

UtahStateUniversity

Crop and Wetland Consumptive Use and Open Water Surface Evaporation for Utah

APPENDIX I:

Updated Consumptive Use Estimates at NWS Stations

Prepared by Robert W. Hill, J. Burdette Barker and Clayton S. Lewis

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Final Report

APPENDIX I - Updated Consumptive Use Estimates at NWS Stations

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UTAH AGRICULTURAL EXPERIMENT STATION RESEARCH REPORT # 213

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UPDATED CONSUMPTIVE USE ESTIMATES AT NWS STATIONS

Introduction

Tables of estimated monthly consumptive use or evaporation (ET) of 19 crops or land covers at 150 locations throughout the state of Utah and 96 within one degree latitude and longitude of its borders are included in this appendix (see Table I1 for explanation of lines in the output tables). These estimates were determined from long-term daily climatic datasets from the National Weather Service (NWS) by applying the ASCE Standardized Reference ET equation (ASCE-EWRI 2005). The NWS datasets at each station site represent the period 1971-2008; however, most stations did not operate the full period. Missing days, months, or years were estimated by the Utah Climate Center (see Appendix A). A precipitation scaling was developed for an NWS site by comparing it to surrounding NWS sites to correct for an overabundance of estimated precipitation events. Since the NWS datasets only included daily maximum and minimum air temperature and daily total precipitation, missing parameters of wind run, dew point temperature, and incident solar radiation were interpolated to each NWS site from the shorter records of 92 electronic weather stations (EWS) in the area. As wind run tended to overestimate ET at high wind locations using daily data, a wind limit was imposed by calculating ET from a subset of the EWS datasets on an hourly and daily time step and then matching the daily to the hourly by reducing the allowable wind run. These calculated wind run limits were then interpolated to the surrounding NWS sites to cap allowable wind. Further adjustments were made to the temperatures to reverse the effects of an NWS site situated in an arid environment, unrepresentative of agricultural conditions. Combined with this site aridity adjustment, another temperature adjustment was applied to calibrate the estimates by matching a reasonable inferred ET range through expected alfalfa yields.

Aside from shallow and deep water, the remaining crop or land cover ET estimates were computed by multiplying a calculated reference crop ET by a factor or crop coefficient. The crop coefficients defined the consumptive use of growth stages and cycles of a unique vegetation (planting, green up, flowering, effective cover, harvest, frost kill, etc.) against that of a reference standard. This standard crop was chosen to be that of a tall reference crop, resembling a healthy stand of alfalfa 12 to 20 inches high all year long. Initiation, termination, and other crop dates to control the phases of the crop coefficients were decided by cumulative growing degree days, a number of days, accumulated Hargreaves ETr (Hargreaves and Samani 1982), and freeze temperatures. Shallow water was calculated by a Penman method employed in the previous update (Hill 1994), while deep water followed the aerodynamic routine of Kondo (1975), calibrated to Bear Lake.

Consumptive use for every crop listed in Table I2 is not estimated at each NWS station, only those which are generally grown in the region. The order in which the crops and land covers appear is the same for every station with garden always on the second page.

Table I1. Explanation of Consumptive Use Table Format

<u>Line</u>	<u>Description</u>
1.	Name of NWS site
2.	Aridity index percent used to adjust the NWS temperatures, calibration temperature adjustment in degrees Fahrenheit added to the daily air temperatures, period of record, site coordinates in decimal degrees, and elevation above msl in feet.
3.	Succeeding columns by month.
4.	Blank.
5.	Unadjusted NWS monthly air temperature average in degrees Fahrenheit calculated from the average of the daily maximum and minimum air temperatures for the period.
6.	Standard deviation of the average monthly temperature average from the calculation on the fifth line and is in degrees Fahrenheit.
7.	Blank.
8.	Average monthly summed precipitation for the period in inches. If the NWS site contained any estimated precipitation records, the monthly sum includes the estimated precipitation scaling.
9.	Standard deviation of the average monthly precipitation sum from the calculation on the eighth line and is in inches.
10.	Blank.
11.	Monthly aridity adjustment temperature in degrees Fahrenheit that is subtracted from daily air temperature to account for a non irrigated environment. These values are the product of the percent aridity adjustment and a monthly aridity curve.
12.	Estimated monthly dewpoint temperature in degrees Fahrenheit for the period determined by subtracting a monthly constant from the daily minimum temperature.
13.	Period monthly average incident solar radiation in langleys per day, which was calculated following Hargreaves and Samani (1982) with an interpolated monthly coefficient by comparing the NWS site to a nearby EWS site.
14.	Monthly average daily wind run in miles per day that was interpolated from data at nearby EWS sites.
15.	Monthly average daily wind limit in miles per day. This calculation was derived by matching the daily time step reference ET at an EWS site to its hourly step reference ET by lowering the allowable wind. These calculated wind limits were interpolated to the NWS site.
16.	Defines the following values as in inches (per month).
17 –	End excluding footnotes and corresponding headers detail the crops or land covers with their respective ET or evaporation averaged over the period of record, the standard deviation of such, and the resulting net loss of water. Net irrigation is determined by subtracting 80 percent of the precipitation for a given month from crop ET. Net evaporation is estimated by subtracting 100 percent of the precipitation for a given month from the open water surface evaporation.

The footnote includes the number of years for which the NWS station was evaluated, which in this report was from 1971-2008 or 38 years. It also indicates that the effective precipitation was 80 percent of the total monthly precipitation for crops, meaning 80 percent of the precipitation for the month enters the root zone of the crop and is available for consumptive use. All of the monthly precipitation, 100% of total, was subtracted from open water surface evaporation to estimate net evaporation.

Using the Consumptive Use Tables

Caution should always be exercised to appropriately make use of the ET or evaporation estimates. These estimated values represent average conditions over a long-term period output from a model. Crop or land cover planting, phenological, and/or termination dates may vary as well as the variety of a given crop. Open water surface estimates do not account for a full energy balance, capitalizing only on air temperature to estimate the evaporative variables of water temperature, content, area, depth, and budget. Consequently, the open water evaporation estimates may be off from actual conditions by 100 percent, especially in the winter months.

Table I2. Crop and Land Covers Included in the Study.

Crop or Land Cover	Comments
Alfalfa (Beef)	Follows a longer interval between cuttings
Alfalfa (Dairy)	Follows a shorter interval between cuttings
Apples / Cherries	With cover crop such as grass
Barley	
Corn	Grain corn
Garden Vegetables	
Melons	
Onion	
Other Hay	Meadow and Grass Hay
Other Orchard	Includes almonds, apricots, peaches, and pecans
Pasture	
Potato	
Safflower	
Small Fruit	Includes raspberries, blackberries, blueberries, and grapes
Sorghum	Forage sorghum or sorghum - sudangrass
Spring Grain	Includes wheat and oats
Turfgrass	
Winter Wheat	
Open Water - Deep	More than 13 ft. deep
Open Water - Shallow	Less than 13 ft. deep
Wetlands - Large	Large areas of wetland vegetation (cattails and bulrushes)
Wetlands - Narrow	Narrow stands such as near canals (cattails and bulrushes)

For additional details see Appendix G of main report.

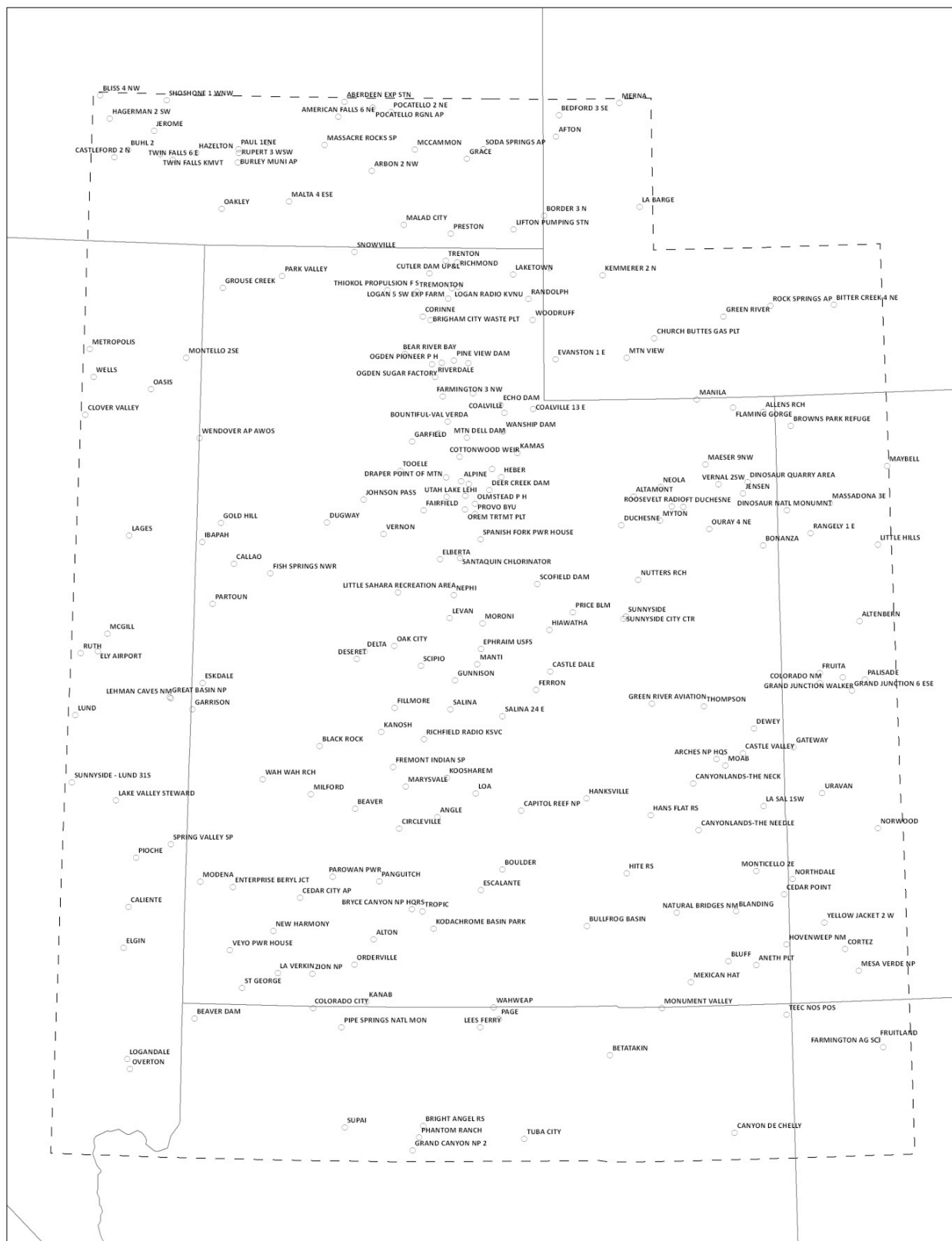


Figure I1. Locations of 246 NWS stations in Utah and in adjacent states within one degree latitude and longitude.

NOTES

Estimated Consumptive Use for NWS Station: ALLENS RCH

Aridity Index: 40%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 40.9, Long: -109.15, Elev: 5490 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.35	29.59	38.76	45.56	55.27	64.31	71.60	69.30	59.34	47.71	35.10	26.74	47.30
St Dev	5.75	3.75	3.33	3.33	2.49	2.66	2.58	2.20	2.54	2.28	3.08	3.61	1.24
Precip (in)	0.52	0.47	0.71	0.91	1.18	0.68	0.60	0.62	0.94	0.96	0.61	0.59	8.78
St Dev	0.48	0.43	0.43	0.79	0.97	0.66	0.59	0.51	0.75	0.93	0.44	0.62	2.57
Aridity Adj. (F)	0.80	0.76	1.08	1.48	2.20	2.72	2.28	2.24	2.28	2.08	1.44	0.96	1.69
Est. Dewpoint (F)	14.82	19.26	20.61	19.69	27.37	30.16	36.47	36.07	28.33	24.94	18.14	15.29	24.26
Rs (langley/day)	197	279	361	476	552	577	564	486	428	316	204	182	385
Wind (mpd)	74	73	104	119	108	96	84	79	77	80	79	72	87
Calc. Wind Limit (mpd)	96	96	96	106	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				0.13	3.87	6.68	6.50	4.08	1.28				22.53
St Dev				0.08	0.56	0.48	1.01	1.34	1.29				2.96
Net Irr					2.93	6.13	6.02	3.58	0.52				19.19
Alfalfa (Dairy)				0.13	3.87	5.98	6.09	4.36	0.68				21.10
St Dev				0.08	0.56	0.33	0.51	1.53	0.76				2.35
Net Irr					2.93	5.43	5.61	3.86					17.83
Other Hay				0.12	4.36	7.73	6.31	2.71	0.89	0.01			22.12
St Dev				0.07	0.54	0.59	0.46	0.18	0.36	0.03			1.13
Net Irr					3.42	7.19	5.83	2.21	0.13				18.77
Pasture				0.10	2.80	5.03	5.52	4.67	1.63	0.02			19.77
St Dev				0.04	0.26	0.38	0.34	0.33	0.79	0.07			1.19
Net Irr					1.85	4.49	5.04	4.18	0.87				16.43
Spring Grain				0.07	1.60	5.42	8.31	4.53	0.33				20.26
St Dev				0.03	0.30	0.93	0.53	1.39	0.37				1.79
Net Irr					0.66	4.87	7.83	4.04					17.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALLENS RCH

Aridity Index: 40%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 40.9, Long: -109.15, Elev: 5490 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.38	2.98	4.56	0.66				9.58
St Dev						0.10	0.19	0.34	0.79				0.92
Net Irr						0.83	2.50	4.07					7.40
Turfgrass				0.17	2.73	4.30	4.87	4.19	1.73	0.03			18.02
St Dev				0.07	0.26	0.32	0.30	0.28	0.74	0.09			1.06
Net Irr					1.79	3.76	4.39	3.70	0.97				14.61
Open Water Deep	0.36	0.33	0.85	1.45	1.92	2.94	3.45	3.21	2.10	1.54	0.90	0.45	19.51
St Dev	0.09	0.10	0.19	0.24	0.23	0.31	0.34	0.27	0.20	0.21	0.17	0.09	1.15
Net Evap			0.28	0.72	0.98	2.40	2.97	2.71	1.34	0.78	0.41		12.60
Open Water Shallow	0.52	0.91	2.04	3.15	4.19	4.77	5.22	4.55	3.42	2.09	0.94	0.53	32.31
St Dev	0.10	0.15	0.27	0.31	0.30	0.27	0.25	0.20	0.20	0.22	0.15	0.10	1.21
Net Evap	0.11	0.54	1.47	2.42	3.24	4.22	4.74	4.05	2.66	1.32	0.45	0.06	25.28
Wetlands Large						1.22	6.21	6.47	1.73				15.62
St Dev						0.38	0.76	1.75	1.53				2.97
Net ET						0.67	5.73	5.97	0.98				13.35
Wetlands Narrow						1.51	8.67	9.24	2.47				21.89
St Dev						0.50	1.11	2.50	2.19				4.24
Net ET						0.96	8.19	8.75	1.72				19.62
ETr	0.59	0.96	2.64	4.35	5.88	7.43	8.12	7.02	5.07	3.07	1.37	0.62	47.14
St Dev	0.19	0.25	0.48	0.56	0.55	0.56	0.50	0.42	0.39	0.47	0.34	0.21	2.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALPINE

Aridity Index: 48%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.46, Long: -111.77, Elev: 5070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.73	33.29	41.66	48.70	57.25	65.92	73.34	71.85	62.46	51.32	38.52	29.58	50.22
St Dev	4.78	3.99	3.41	3.36	2.86	2.58	1.87	1.86	2.46	2.68	3.57	3.23	1.44
Precip (in)	1.92	1.84	1.96	1.95	1.99	0.86	0.67	1.02	1.34	1.96	1.72	1.90	19.13
St Dev	1.20	1.10	1.15	1.27	1.62	0.87	0.52	0.77	1.18	1.20	0.98	1.53	5.24
Aridity Adj. (F)	0.96	0.91	1.30	1.78	2.64	3.26	2.74	2.69	2.74	2.50	1.73	1.15	2.03
Est. Dewpoint (F)	19.42	21.17	24.19	26.21	31.22	34.81	39.82	40.39	34.71	30.31	24.74	20.28	28.94
Rs (langley/day)	171	270	398	498	611	693	670	586	480	331	213	159	423
Wind (mpd)	63	66	93	102	96	86	78	83	73	74	71	63	79
Calc. Wind Limit (mpd)	96	96	98	108	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.68	5.65	6.12	7.30	6.64	2.43	0.15			29.98
St Dev				0.54	0.65	0.48	0.63	0.77	1.03	0.30			2.22
Net Irr				0.12	4.05	5.43	6.76	5.83	1.36				23.56
Alfalfa (Dairy)				1.68	5.55	6.02	6.50	5.79	2.74	0.14			28.42
St Dev				0.54	0.57	0.50	0.37	0.41	1.00	0.26			2.23
Net Irr				0.12	3.96	5.33	5.96	4.98	1.67				22.02
Apples / Cherries					2.80	7.26	9.07	8.16	4.93	0.75			32.97
St Dev					0.26	0.56	0.48	0.46	0.73	0.78			1.94
Net Irr					1.20	6.57	8.53	7.34	3.86				27.51
Barley				0.83	3.62	7.78	7.30	0.75					20.28
St Dev				0.26	0.91	0.84	1.07	0.85					0.89
Net Irr					2.03	7.09	6.76						15.87
Corn					0.54	2.12	6.68	7.60	3.37	0.16			20.48
St Dev					0.09	0.40	0.97	0.45	1.09	0.30			2.15
Net Irr						1.43	6.14	6.79	2.30				16.66
Other Hay				1.82	6.35	7.61	4.28	2.61	1.10	0.02			23.79
St Dev				0.58	0.60	0.61	0.53	0.17	0.19	0.05			1.33
Net Irr				0.26	4.75	6.92	3.74	1.79	0.03				17.50
Other Orchard					2.61	6.91	8.38	7.53	4.51	0.68			30.62
St Dev					0.24	0.54	0.44	0.42	0.66	0.70			1.79
Net Irr					1.02	6.22	7.84	6.72	3.44				25.24
Pasture				1.71	4.30	5.36	5.93	5.31	3.01	0.45			26.06
St Dev				0.39	0.37	0.42	0.31	0.29	0.62	0.50			1.67
Net Irr				0.15	2.70	4.67	5.39	4.50	1.94				19.35
Potato					0.56	2.48	6.14	5.91	2.72	0.16			17.97
St Dev					0.07	0.44	0.55	0.36	0.90	0.31			1.71
Net Irr						1.79	5.60	5.09	1.65				14.15
Safflower					0.77	7.36	8.72	7.59	3.16	0.31			27.93
St Dev					0.15	0.67	0.46	0.43	0.98	0.38			1.96
Net Irr						6.67	8.18	6.78	2.09				23.73
Sorghum					0.67	3.17	7.25	7.03	3.17				21.29
St Dev					0.11	0.30	0.41	0.46	0.88				1.64
Net Irr						2.48	6.71	6.21	2.10				17.51
Spring Grain				0.81	3.42	7.64	7.98	1.56					21.42
St Dev				0.24	0.85	0.89	0.79	1.10					0.95
Net Irr					1.83	6.96	7.44	0.75					16.97
Winter Wheat			0.53	1.33	3.56	7.66	6.27	0.53					19.89
St Dev			0.11	0.24	0.99	0.91	1.48	0.63					0.82
Net Irr					1.97	6.98	5.73						14.67

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALPINE

Aridity Index: 48%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.46, Long: -111.77, Elev: 5070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.70	2.44	4.86	6.16	1.78	0.01			15.95
St Dev					0.08	0.19	0.26	0.71	1.00	0.03			1.52
Net Irr						1.75	4.32	5.35	0.71				12.14
Turfgrass				1.89	3.60	4.73	5.23	4.71	2.94	0.53			23.63
St Dev				0.35	0.31	0.37	0.28	0.26	0.46	0.56			1.48
Net Irr				0.32	2.01	4.04	4.69	3.89	1.87				16.83
Open Water Deep	0.52	0.58	1.16	1.66	2.31	2.97	3.75	4.05	2.34	1.81	1.00	0.52	22.67
St Dev	0.08	0.09	0.18	0.27	0.26	0.32	0.26	0.26	0.22	0.22	0.16	0.08	1.24
Net Evap				0.10	0.72	2.28	3.21	3.23	1.28	0.24			11.05
Open Water Shallow	0.65	1.17	2.51	3.55	4.82	5.62	6.14	5.55	3.97	2.41	1.09	0.59	38.06
St Dev	0.08	0.13	0.24	0.35	0.32	0.35	0.25	0.24	0.23	0.22	0.14	0.08	1.47
Net Evap			0.94	1.99	3.23	4.93	5.60	4.73	2.90	0.84			25.15
Wetlands Large					0.12	4.07	8.71	8.20	4.25	0.28			25.61
St Dev					0.11	0.72	0.57	0.53	1.44	0.55			2.74
Net ET						3.38	8.17	7.38	3.18				22.11
Wetlands Narrow					0.13	5.45	12.41	11.71	6.07	0.40			36.17
St Dev					0.12	1.02	0.83	0.76	2.05	0.79			3.90
Net ET						4.77	11.88	10.90	5.00				32.54
ETr	0.74	1.31	3.08	4.67	6.49	7.88	8.72	7.85	5.27	3.21	1.37	0.66	51.24
St Dev	0.12	0.19	0.35	0.57	0.53	0.62	0.46	0.44	0.39	0.37	0.23	0.13	2.65

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALTAMONT

Aridity Index: 18%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.36, Long: -110.29, Elev: 6370 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	19.38	24.16	34.75	43.03	51.95	60.92	68.16	66.22	57.02	45.73	31.73	21.13	43.68
St Dev	5.41	4.92	3.77	3.44	2.52	2.96	2.58	2.06	2.20	2.55	3.30	4.32	1.53
Precip (in)	0.70	0.68	0.62	0.70	0.95	0.70	0.75	0.80	1.12	1.08	0.64	0.58	9.32
St Dev	0.61	0.52	0.45	0.64	0.70	0.64	0.59	0.51	0.73	0.94	0.56	0.48	2.31
Aridity Adj. (F)	0.36	0.34	0.49	0.67	0.99	1.22	1.03	1.01	1.03	0.94	0.65	0.43	0.76
Est. Dewpoint (F)	10.46	12.86	16.21	19.41	26.08	32.84	39.01	40.58	32.98	27.63	16.74	11.15	23.83
Rs (langley/day)	225	316	422	521	590	656	616	545	466	346	242	194	428
Wind (mpd)	76	85	120	142	139	127	109	103	105	104	89	73	106
Calc. Wind Limit (mpd)	96	96	110	132	132	128	97	96	98	96	96	96	106
.....Inches.....													
Alfalfa (Beef)				0.59	4.94	6.99	7.19	5.16	2.68	0.10			27.65
St Dev				0.22	0.69	0.40	0.70	0.61	1.15	0.24			2.12
Net Irr				0.03	4.18	6.43	6.59	4.52	1.78				23.53
Alfalfa (Dairy)				0.59	4.94	6.37	6.34	5.29	2.42	0.11			26.05
St Dev				0.22	0.69	0.36	0.27	0.37	1.21	0.33			1.94
Net Irr				0.03	4.18	5.81	5.74	4.65	1.52				21.93
Other Hay				0.60	5.68	8.44	5.60	2.65	1.20	0.07			24.24
St Dev				0.22	0.66	0.66	0.43	0.12	0.30	0.11			1.23
Net Irr				0.04	4.92	7.88	5.00	2.01	0.30				20.15
Pasture				0.43	3.65	5.53	5.70	4.85	2.60	0.21			22.98
St Dev				0.09	0.34	0.44	0.24	0.24	0.82	0.38			1.39
Net Irr					2.89	4.98	5.10	4.21	1.70				18.88
Spring Grain				0.29	2.16	6.54	8.55	4.42	0.32				22.28
St Dev				0.07	0.50	1.12	0.32	1.22	0.38				0.78
Net Irr					1.39	5.98	7.95	3.78					19.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALTAMONT

Aridity Index: 18%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.36, Long: -110.29, Elev: 6370 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.13	2.19	3.84	5.32	1.87	0.01			13.37
St Dev					0.04	0.17	0.17	0.53	1.20	0.04			1.59
Net Irr						1.64	3.24	4.68	0.97				10.53
Turfgrass				0.67	3.24	4.81	5.03	4.31	2.60	0.26			20.91
St Dev				0.14	0.29	0.38	0.21	0.18	0.70	0.43			1.22
Net Irr				0.11	2.48	4.25	4.43	3.67	1.70				16.64
Open Water Deep	0.47	0.55	1.23	2.03	2.98	3.90	3.96	3.72	2.65	1.96	1.14	0.51	25.09
St Dev	0.09	0.10	0.21	0.30	0.34	0.44	0.33	0.25	0.20	0.24	0.17	0.09	1.31
Net Evap		0.01	0.74	1.47	2.22	3.34	3.36	3.08	1.75	1.10	0.62	0.05	17.73
Open Water Shallow	0.67	1.13	2.47	3.62	4.74	5.48	5.69	5.06	3.82	2.39	1.16	0.61	36.82
St Dev	0.10	0.14	0.27	0.32	0.32	0.34	0.20	0.17	0.17	0.21	0.14	0.08	1.18
Net Evap	0.11	0.59	1.98	3.06	3.97	4.92	5.09	4.42	2.92	1.52	0.64	0.14	29.37
Wetlands Large						2.67	7.58	7.48	3.58	0.24			21.54
St Dev						0.72	0.64	0.51	1.52	0.57			2.52
Net ET						2.11	6.98	6.84	2.68				18.61
Wetlands Narrow						3.46	10.73	10.69	5.11	0.34			30.33
St Dev						0.98	0.96	0.73	2.17	0.81			3.59
Net ET						2.90	10.13	10.05	4.22				27.29
ETr	0.74	1.25	3.11	4.93	6.72	8.14	8.38	7.21	5.33	3.23	1.56	0.72	51.32
St Dev	0.14	0.19	0.42	0.55	0.59	0.64	0.35	0.30	0.30	0.38	0.24	0.12	2.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALTON

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.44, Long: -112.48, Elev: 7040 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.09	30.84	36.23	43.40	51.68	60.54	66.95	65.08	57.98	48.11	36.49	28.94	46.19
St Dev	3.66	3.47	3.62	3.49	2.85	2.69	2.38	1.86	2.03	2.94	3.49	3.77	1.30
Precip (in)	1.87	1.92	1.70	0.96	0.85	0.46	1.34	1.63	1.51	1.73	1.33	1.39	16.68
St Dev	1.97	1.39	1.38	0.80	0.73	0.50	0.94	1.03	1.33	1.63	1.36	1.27	4.30
Aridity Adj. (F)	0.98	0.93	1.32	1.81	2.70	3.33	2.79	2.74	2.79	2.55	1.76	1.18	2.07
Est. Dewpoint (F)	21.98	20.12	18.85	19.87	24.77	29.01	38.31	39.04	32.08	27.85	20.58	19.94	26.03
Rs (langley/day)	250	336	430	538	606	683	554	524	466	364	246	214	434
Wind (mpd)	117	124	148	168	145	136	109	112	119	122	117	116	128
Calc. Wind Limit (mpd)	96	96	132	132	132	128	96	96	96	100	96	96	108
.....Inches.....													
Alfalfa (Beef)				2.09	6.68	7.32	7.23	6.48	3.24	0.63			33.66
St Dev				0.32	0.80	0.36	0.52	0.76	1.11	0.95			2.26
Net Irr				1.32	6.00	6.95	6.15	5.18	2.04				27.63
Alfalfa (Dairy)				2.09	6.65	7.17	6.32	5.72	3.51	0.57			32.02
St Dev				0.32	0.77	0.47	0.32	0.27	1.01	0.86			2.08
Net Irr				1.32	5.97	6.80	5.24	4.42	2.30				26.06
Other Hay				2.30	7.62	9.11	4.08	2.54	1.30				26.95
St Dev				0.31	0.70	0.58	0.22	0.12	0.15				1.39
Net Irr				1.54	6.94	8.74	3.01	1.23	0.09				21.55
Pasture				1.41	4.93	6.38	5.78	5.20	3.73	1.07	0.01		28.51
St Dev				0.17	0.45	0.41	0.28	0.26	0.67	0.86	0.07		1.98
Net Irr				0.65	4.25	6.01	4.70	3.89	2.53				22.04

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALTON

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.44, Long: -112.48, Elev: 7040 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.36	2.61	4.13	5.94	2.88	0.07			16.00
St Dev					0.06	0.16	0.21	0.40	1.21	0.20			1.60
Net Irr						2.24	3.05	4.64	1.68				11.61
Turfgrass				1.77	4.08	5.63	5.10	4.60	3.51	1.19	0.02		25.90
St Dev				0.20	0.37	0.36	0.25	0.23	0.50	0.87	0.09		1.75
Net Irr				1.01	3.40	5.26	4.02	3.29	2.31				19.29
Open Water Deep	0.98	1.09	1.95	2.55	3.59	4.80	4.32	4.25	3.30	2.84	1.89	1.19	32.76
St Dev	0.18	0.19	0.37	0.36	0.43	0.46	0.36	0.29	0.26	0.36	0.30	0.21	1.76
Net Evap			0.59	1.79	2.91	4.42	3.25	2.95	2.09	1.46	0.83	0.07	20.37
Open Water Shallow	1.12	1.68	2.97	4.08	5.14	5.94	5.44	5.13	4.16	2.94	1.61	1.06	41.26
St Dev	0.16	0.22	0.37	0.35	0.35	0.29	0.21	0.20	0.21	0.27	0.19	0.15	1.29
Net Evap		0.15	1.61	3.31	4.46	5.57	4.36	3.82	2.96	1.55	0.55		28.34
Wetlands Large						4.14	8.24	8.05	5.27	0.88			26.58
St Dev						0.28	0.41	0.40	1.43	1.19			2.59
Net ET						3.77	7.17	6.74	4.07				21.74
Wetlands Narrow						5.44	11.74	11.50	7.53	1.25			37.47
St Dev						0.37	0.58	0.57	2.04	1.70			3.69
Net ET						5.07	10.67	10.19	6.33				32.26
ETr	1.35	2.06	4.05	5.82	7.74	9.39	8.50	7.66	6.13	4.32	2.48	1.50	60.99
St Dev	0.26	0.34	0.65	0.63	0.69	0.61	0.41	0.38	0.38	0.49	0.38	0.28	2.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ANETH PLT

Aridity Index: 100%, Temp. Adj. (F): -10.5, Period: 1971-2008, Lat: 37.26, Long: -109.33, Elev: 4576 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.87	38.67	47.73	55.34	64.88	74.80	80.68	78.94	69.63	56.61	43.23	32.47	56.24
St Dev	4.90	3.79	2.76	2.96	2.81	2.60	2.80	2.52	3.21	3.26	2.84	3.85	1.58
Precip (in)	0.90	0.85	0.72	0.63	0.48	0.23	0.66	0.75	0.90	1.07	0.72	0.71	8.62
St Dev	1.00	0.77	0.74	0.60	0.47	0.33	0.64	0.62	0.76	1.06	0.67	0.77	2.40
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	18.49	21.01	23.80	28.30	35.56	43.27	50.85	50.60	41.91	30.63	23.58	17.82	32.15
Rs (langley/day)	247	323	480	598	631	744	649	591	533	392	258	200	470
Wind (mpd)	104	117	150	169	152	140	120	116	118	122	112	111	128
Calc. Wind Limit (mpd)	96	100	120	120	120	120	100	96	98	104	96	96	105
.....Inches.....													
Alfalfa (Beef)				1.15	5.20	6.23	6.90	5.50	2.60	0.18			27.77
St Dev				0.17	0.70	0.36	0.66	0.81	0.93	0.34			2.02
Net Irr				0.65	4.82	6.05	6.37	4.91	1.87				24.67
Alfalfa (Dairy)				1.15	5.20	6.02	5.90	5.08	2.86	0.20			26.41
St Dev				0.17	0.70	0.40	0.41	0.40	1.00	0.38			2.04
Net Irr				0.65	4.82	5.84	5.37	4.48	2.13				23.29
Apples / Cherries					1.58	6.32	8.19	7.14	4.74	0.90			28.87
St Dev					0.21	0.42	0.59	0.48	1.15	1.00			2.28
Net Irr					1.20	6.14	7.66	6.54	4.02	0.04			25.60
Other Hay				1.21	5.89	8.03	4.48	2.41	1.15	0.07			23.24
St Dev				0.17	0.63	0.54	0.34	0.17	0.26	0.06			1.39
Net Irr				0.71	5.51	7.84	3.95	1.81	0.43				20.25
Other Orchard					1.47	6.06	7.58	6.59	4.36	0.81			26.87
St Dev					0.19	0.41	0.54	0.45	1.06	0.90			2.09
Net Irr					1.08	5.88	7.05	5.99	3.64				23.65
Pasture				0.75	3.76	5.38	5.37	4.65	2.85	0.51			23.26
St Dev				0.10	0.40	0.36	0.38	0.31	0.83	0.62			1.78
Net Irr				0.25	3.38	5.20	4.84	4.05	2.12				19.83
Sorghum					0.30	2.56	6.01	6.13	3.55				18.55
St Dev					0.05	0.17	0.44	0.51	1.21				1.66
Net Irr						2.38	5.48	5.54	2.83				16.22
Spring Grain				0.47	2.60	7.22	7.76	2.49	0.04				20.59
St Dev				0.06	0.55	0.87	0.58	1.33	0.15				1.02
Net Irr					2.22	7.04	7.23	1.89					18.38
Winter Wheat			0.46	1.32	2.93	7.39	6.56	1.00	0.01				19.67
St Dev			0.09	0.20	0.78	1.01	1.17	1.01	0.06				0.88
Net Irr				0.82	2.55	7.21	6.03	0.40					17.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ANETH PLT

Aridity Index: 100%, Temp. Adj. (F): -10.5, Period: 1971-2008, Lat: 37.26, Long: -109.33, Elev: 4576 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden					0.30	2.20	3.83	5.31	2.31	0.02			13.98
St Dev					0.05	0.15	0.28	0.46	1.11	0.07			1.55
Net Irr						2.02	3.30	4.71	1.59				11.62
Turfgrass				1.06	3.17	4.73	4.74	4.12	2.76	0.59			21.16
St Dev				0.14	0.34	0.32	0.34	0.28	0.68	0.67			1.58
Net Irr				0.56	2.79	4.55	4.21	3.52	2.04				17.65
Open Water Deep	0.52	0.76	1.33	1.55	2.11	2.79	2.85	2.83	2.03	1.92	1.06	0.58	20.33
St Dev	0.16	0.16	0.26	0.25	0.31	0.31	0.31	0.28	0.26	0.28	0.21	0.15	1.43
Net Evap		0.08	0.76	1.05	1.72	2.61	2.32	2.23	1.31	1.06	0.48	0.01	13.63
Open Water Shallow	0.74	1.33	2.87	3.93	4.75	5.78	5.69	5.21	4.09	2.57	1.18	0.62	38.77
St Dev	0.17	0.20	0.31	0.34	0.36	0.26	0.30	0.26	0.28	0.26	0.19	0.14	1.49
Net Evap	0.03	0.66	2.30	3.43	4.36	5.60	5.16	4.61	3.37	1.71	0.60	0.05	31.87
Wetlands Large					0.01	3.86	7.80	7.16	4.20	0.31			23.34
St Dev					0.02	0.35	0.58	0.59	1.46	0.52			2.26
Net ET						3.68	7.27	6.56	3.48				20.98
Wetlands Narrow					0.01	5.11	11.12	10.22	6.01	0.44			32.92
St Dev					0.02	0.48	0.84	0.85	2.09	0.75			3.22
Net ET						4.93	10.59	9.63	5.28				30.43
ETr	0.71	1.54	3.56	4.94	6.33	7.91	7.89	6.87	5.16	3.45	1.53	0.72	50.61
St Dev	0.31	0.34	0.57	0.57	0.67	0.53	0.57	0.46	0.48	0.55	0.40	0.31	2.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ANGLE

Aridity Index: 55%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.25, Long: -111.96, Elev: 6400 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.00	29.84	36.67	42.70	51.80	59.68	66.53	64.81	56.13	45.71	33.94	25.35	44.76
St Dev	4.84	3.52	2.84	3.05	2.27	2.42	1.85	1.70	2.10	2.46	3.01	3.64	1.01
Precip (in)	0.64	0.39	0.74	0.71	0.84	0.59	0.99	1.41	1.05	1.10	0.53	0.44	9.43
St Dev	0.67	0.29	0.56	0.45	0.62	0.66	0.61	0.86	0.83	0.93	0.61	0.42	2.20
Aridity Adj. (F)	1.10	1.05	1.49	2.04	3.03	3.74	3.14	3.08	3.14	2.86	1.98	1.32	2.33
Est. Dewpoint (F)	11.70	15.17	14.51	15.60	22.37	25.07	33.22	33.30	25.75	19.45	13.83	10.43	20.03
Rs (langley/day)	244	350	442	565	593	692	590	537	462	382	234	212	442
Wind (mpd)	115	120	160	182	154	140	112	112	112	125	120	121	131
Calc. Wind Limit (mpd)	101	98	132	132	132	132	103	105	96	105	96	96	111
.....Inches.....													
Alfalfa (Beef)					2.57	8.34	6.71	5.15	0.89				23.66
St Dev					0.35	0.76	0.77	1.46	1.22				2.82
Net Irr					1.89	7.86	5.92	4.02	0.05				19.75
Alfalfa (Dairy)					2.57	7.95	6.79	4.59	0.63				22.52
St Dev					0.35	0.60	0.48	1.86	0.77				2.42
Net Irr					1.89	7.47	6.00	3.46					18.82
Barley					1.05	5.60	9.11	5.91	0.32				22.00
St Dev					0.18	0.90	0.63	1.52	0.46				1.90
Net Irr					0.37	5.13	8.32	4.78					18.60
Other Hay					2.67	8.99	8.86	4.01	1.09				25.61
St Dev					0.32	0.68	0.51	0.24	0.55				1.23
Net Irr					2.00	8.51	8.07	2.88	0.25				21.70
Pasture					1.62	5.79	6.11	5.45	1.76				20.73
St Dev					0.19	0.44	0.35	0.36	1.01				1.30
Net Irr					0.95	5.32	5.32	4.32	0.92				16.82
Spring Grain					1.03	5.29	9.03	6.44	0.59				22.37
St Dev					0.17	0.85	0.66	1.67	0.71				2.34
Net Irr					0.35	4.81	8.24	5.31					18.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ANGLE

Aridity Index: 55%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.25, Long: -111.96, Elev: 6400 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.63	3.23	5.29	0.81				10.95
St Dev						0.12	0.19	0.30	0.91				0.98
Net Irr						1.15	2.44	4.16					7.74
Turfgrass					2.08	4.78	5.39	4.87	1.85				18.98
St Dev					0.23	0.36	0.31	0.29	0.98				1.17
Net Irr					1.40	4.31	4.60	3.74	1.01				15.07
Open Water Deep	0.94	0.99	1.88	2.25	3.16	4.27	4.24	4.37	2.87	2.64	1.59	1.04	30.24
St Dev	0.19	0.15	0.28	0.31	0.34	0.40	0.31	0.26	0.22	0.32	0.25	0.17	1.35
Net Evap	0.43	0.68	1.29	1.68	2.49	3.80	3.45	3.24	2.03	1.76	1.17	0.69	22.70
Open Water Shallow	0.98	1.57	2.88	3.92	4.79	5.69	5.50	5.08	3.85	2.80	1.38	0.94	39.38
St Dev	0.15	0.17	0.29	0.34	0.30	0.30	0.22	0.19	0.19	0.25	0.17	0.12	1.17
Net Evap	0.47	1.26	2.29	3.36	4.11	5.21	4.71	3.95	3.01	1.92	0.96	0.58	31.84
Wetlands Large						1.63	7.07	7.44	1.44				17.58
St Dev						0.13	0.42	1.59	1.63				2.93
Net ET						1.16	6.28	6.31	0.60				14.34
Wetlands Narrow						2.03	9.89	10.63	2.05				24.60
St Dev						0.16	0.59	2.27	2.33				4.19
Net ET						1.56	9.10	9.50	1.21				21.37
ETr	1.58	2.10	4.21	5.65	7.38	9.21	8.99	8.14	6.12	4.64	2.51	1.66	62.19
St Dev	0.35	0.33	0.59	0.64	0.65	0.70	0.51	0.45	0.44	0.64	0.47	0.31	2.69

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ARCHES NP HQS

Aridity Index: 92%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.62, Long: -109.62, Elev: 4130 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.58	38.78	48.53	55.81	66.13	76.59	83.12	80.60	70.90	57.11	43.38	32.77	57.11
St Dev	4.93	3.39	3.09	3.29	2.63	2.56	2.04	2.35	2.29	2.57	2.22	3.08	1.12
Precip (in)	0.92	0.72	0.97	0.71	0.66	0.39	0.72	0.81	0.71	1.11	0.74	0.75	9.20
St Dev	1.01	0.73	0.74	0.67	0.69	0.44	0.70	0.61	0.66	1.03	0.68	0.71	2.43
Aridity Adj. (F)	1.84	1.75	2.48	3.40	5.06	6.26	5.24	5.15	5.24	4.78	3.31	2.21	3.89
Est. Dewpoint (F)	20.09	24.56	29.55	28.98	37.10	40.67	50.33	52.08	42.03	33.06	24.47	19.56	33.54
Rs (langley/day)	217	335	435	576	632	703	627	544	440	364	251	217	445
Wind (mpd)	84	90	128	157	137	115	87	85	84	90	90	88	103
Calc. Wind Limit (mpd)	96	96	132	132	132	124	96	96	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)			0.07	3.33	6.74	7.36	6.63	6.05	3.97	0.45			34.60
St Dev			0.12	0.66	0.60	0.76	0.35	0.54	1.20	0.52			1.99
Net Irr				2.76	6.21	7.05	6.05	5.41	3.40				30.88
Alfalfa (Dairy)			0.07	3.33	6.10	6.99	6.62	5.45	3.45	0.38			32.38
St Dev			0.12	0.66	0.48	0.41	0.42	0.35	1.06	0.43			1.80
Net Irr				2.76	5.57	6.68	6.04	4.81	2.88				28.73
Corn					1.39	4.31	8.28	6.15	2.02	0.05			22.20
St Dev					0.25	0.99	0.65	0.46	1.01	0.10			1.20
Net Irr					0.86	4.00	7.70	5.51	1.45				19.52
Melon					1.68	5.44	5.68	4.71	2.23				19.75
St Dev					0.38	0.53	0.32	0.26	0.77				1.16
Net Irr					1.16	5.13	5.11	4.07	1.66				17.12
Other Hay			0.07	3.70	7.64	7.52	3.52	2.17	0.76				25.38
St Dev			0.13	0.76	0.69	0.85	0.27	0.14	0.21				1.34
Net Irr				3.13	7.12	7.21	2.95	1.52	0.19				22.11
Pasture			0.24	2.87	5.03	6.21	5.94	4.92	3.30	0.83	0.02		29.36
St Dev			0.18	0.45	0.44	0.40	0.34	0.27	0.54	0.66	0.07		1.56
Net Irr				2.30	4.50	5.90	5.37	4.27	2.73				25.07
Spring Grain			0.09	1.47	5.22	9.34	5.45	0.15					21.73
St Dev			0.09	0.36	0.97	0.64	1.30	0.23					0.92
Net Irr				0.91	4.69	9.03	4.88						19.51
Winter Wheat		0.02	0.84	1.86	5.44	9.15	3.11	0.02					20.43
St Dev		0.04	0.19	0.35	1.12	0.57	1.45	0.05					0.85
Net Irr			0.06	1.29	4.91	8.84	2.53						17.64

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ARCHES NP HQS

Aridity Index: 92%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.62, Long: -109.62, Elev: 4130 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.91	4.02	6.47	5.45	1.25				19.11
St Dev					0.17	0.26	0.38	0.30	0.33				0.83
Net Irr					1.39	3.71	5.89	4.81	0.68				16.47
Small Fruit					1.74	6.08	8.57	6.80	2.76				25.95
St Dev					0.24	0.56	0.51	0.37	0.88				1.32
Net Irr					1.21	5.77	7.99	6.16	2.19				23.32
Turfgrass			0.38	2.64	4.33	5.48	5.25	4.35	3.16	0.95	0.02		26.56
St Dev			0.27	0.30	0.39	0.35	0.30	0.24	0.43	0.69	0.09		1.39
Net Irr				2.08	3.81	5.17	4.67	3.71	2.58	0.07			22.08
Open Water Deep	0.58	0.75	1.46	2.29	3.21	4.40	3.98	3.49	2.52	2.05	1.29	0.70	26.72
St Dev	0.14	0.13	0.29	0.31	0.37	0.41	0.33	0.27	0.26	0.28	0.20	0.13	1.42
Net Evap		0.17	0.68	1.72	2.68	4.08	3.41	2.85	1.95	1.16	0.70	0.10	19.51
Open Water Shallow	0.73	1.43	2.80	4.20	5.26	6.13	6.04	5.24	3.84	2.59	1.29	0.75	40.30
St Dev	0.15	0.16	0.31	0.32	0.34	0.29	0.27	0.23	0.26	0.25	0.17	0.13	1.33
Net Evap		0.85	2.03	3.63	4.73	5.82	5.46	4.60	3.27	1.70	0.70	0.15	32.93
Wetlands Large					1.16	6.98	9.15	7.61	5.11	0.82			30.83
St Dev					0.46	0.97	0.54	0.42	1.22	0.93			2.42
Net ET					0.63	6.66	8.57	6.97	4.53				27.37
Wetlands Narrow					1.44	9.74	13.07	10.88	7.29	1.18			43.60
St Dev					0.60	1.42	0.78	0.60	1.75	1.33			3.44
Net ET					0.91	9.43	12.49	10.23	6.72	0.29			40.08
ETr	0.80	1.55	3.54	5.61	7.42	9.13	8.74	7.25	5.39	3.58	1.77	0.84	55.62
St Dev	0.26	0.27	0.57	0.56	0.65	0.58	0.50	0.40	0.48	0.49	0.36	0.26	2.65

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEAR RIVER BAY

Aridity Index: 64%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.3, Long: -112.27, Elev: 4210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.84	32.06	42.12	50.00	59.92	69.82	77.41	75.73	64.50	52.77	38.97	29.59	51.73
St Dev	5.54	4.99	4.08	3.54	2.89	3.11	2.55	2.14	2.69	2.59	3.09	3.66	1.52
Precip (in)	1.17	1.05	1.16	1.31	1.50	0.83	0.59	0.64	1.05	1.38	1.02	0.99	12.69
St Dev	0.77	0.63	0.71	0.83	1.11	0.78	0.85	0.75	1.18	0.95	0.56	0.72	3.70
Aridity Adj. (F)	1.28	1.22	1.73	2.37	3.52	4.35	3.65	3.58	3.65	3.33	2.30	1.54	2.71
Est. Dewpoint (F)	25.39	27.31	30.46	33.34	39.36	46.28	50.21	49.65	42.41	37.38	30.23	25.33	36.45
Rs (langley/day)	189	278	366	472	590	648	613	581	432	307	187	133	400
Wind (mpd)	81	93	114	125	116	107	96	98	92	95	84	79	98
Calc. Wind Limit (mpd)	96	96	98	112	100	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				1.91	5.60	5.99	6.84	6.86	4.43	1.66	0.14		33.43
St Dev				0.68	0.49	0.64	0.48	0.48	0.60	0.55	0.24		2.03
Net Irr				0.87	4.39	5.32	6.37	6.35	3.59	0.56			27.45
Alfalfa (Dairy)				1.91	5.09	5.79	6.71	6.12	3.89	1.69	0.10		31.30
St Dev				0.68	0.39	0.44	0.48	0.35	0.42	0.64	0.15		1.90
Net Irr				0.87	3.89	5.13	6.24	5.61	3.05	0.59			25.37
Apples / Cherries				1.06	4.91	7.79	9.26	8.34	4.54	1.85	0.02		37.77
St Dev				0.50	0.70	0.62	0.60	0.39	0.39	0.28	0.06		2.15
Net Irr				0.01	3.71	7.12	8.79	7.82	3.70	0.75			31.91
Barley			0.01	0.97	4.48	7.66	3.98	0.01					17.11
St Dev			0.02	0.37	0.88	0.60	1.57	0.02					0.86
Net Irr					3.28	7.00	3.51						13.78
Corn					0.82	2.74	7.97	6.77	1.93	0.25	0.01		20.49
St Dev					0.24	0.80	0.90	0.74	1.22	0.42	0.04		1.41
Net Irr						2.07	7.50	6.25	1.09				16.92
Onion				0.08	2.77	5.60	8.85	7.89	2.41				27.61
St Dev				0.16	0.47	0.82	0.61	0.34	0.67				1.48
Net Irr					1.57	4.94	8.38	7.37	1.57				23.84
Other Hay				2.01	6.18	7.02	4.14	2.63	1.04	0.02			23.05
St Dev				0.73	0.61	0.65	0.54	0.14	0.21	0.04			1.21
Net Irr				0.96	4.98	6.35	3.67	2.12	0.20				18.29
Other Orchard				0.99	4.69	7.22	8.55	7.67	4.10	1.81	0.02		35.05
St Dev				0.46	0.68	0.56	0.56	0.35	0.35	0.28	0.06		2.00
Net Irr					3.48	6.55	8.08	7.15	3.27	0.71			29.24
Pasture			0.06	1.79	4.16	5.12	6.05	5.53	3.53	1.80	0.28		28.32
St Dev			0.09	0.47	0.37	0.39	0.39	0.29	0.30	0.31	0.25		1.70
Net Irr				0.75	2.95	4.46	5.58	5.02	2.69	0.70			22.15
Safflower					1.96	7.39	8.90	8.04	4.04	0.83			31.15
St Dev					0.95	0.68	0.58	0.38	0.37	0.25			1.85
Net Irr					0.76	6.72	8.43	7.53	3.20				26.64
Sorghum					1.03	3.91	7.75	7.32	2.55				22.57
St Dev					0.31	0.78	0.62	0.38	0.76				1.32
Net Irr						3.25	7.28	6.80	1.71				19.04
Spring Grain			0.01	0.94	4.26	7.69	5.16	0.11					18.17
St Dev			0.02	0.35	0.87	0.63	1.50	0.20					0.93
Net Irr					3.06	7.02	4.69						14.78
Winter Wheat			0.55	1.48	4.77	7.35	2.51	0.01					16.68
St Dev			0.16	0.38	1.04	0.68	1.56	0.04					0.82
Net Irr				0.43	3.57	6.69	2.04						12.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEAR RIVER BAY

Aridity Index: 64%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.3, Long: -112.27, Elev: 4210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.06	1.53	3.31	6.51	6.10	1.44				18.94
St Dev				0.10	0.27	0.49	0.67	0.31	0.47				1.03
Net Irr					0.33	2.65	6.04	5.58	0.60				15.19
Turfgrass			0.09	1.84	3.51	4.52	5.34	4.88	3.14	1.75	0.31		25.40
St Dev			0.14	0.34	0.34	0.34	0.35	0.25	0.27	0.27	0.26		1.52
Net Irr				0.80	2.31	3.86	4.87	4.37	2.30	0.65			19.16
Open Water Deep	0.47	0.57	1.09	1.71	2.43	3.28	4.97	5.13	3.00	2.25	1.10	0.59	26.61
St Dev	0.09	0.12	0.19	0.26	0.28	0.37	0.42	0.35	0.32	0.27	0.18	0.10	1.53
Net Evap			0.16	0.67	1.23	2.62	4.50	4.62	2.16	1.15	0.29		17.40
Open Water Shallow	0.56	1.08	2.37	3.52	4.91	5.63	6.19	5.90	3.91	2.37	0.98	0.46	37.88
St Dev	0.10	0.15	0.27	0.33	0.36	0.37	0.36	0.28	0.30	0.24	0.16	0.08	1.76
Net Evap		0.24	1.45	2.47	3.71	4.96	5.72	5.39	3.07	1.27	0.16		28.43
Wetlands Large					0.36	4.57	9.09	8.54	5.50	2.79	0.21		31.05
St Dev					0.33	0.94	0.72	0.44	0.47	0.71	0.33		2.62
Net ET						3.90	8.62	8.02	4.66	1.69			26.89
Wetlands Narrow					0.42	6.24	12.98	12.20	7.85	3.99	0.30		43.98
St Dev					0.40	1.39	1.03	0.63	0.68	1.01	0.47		3.74
Net ET						5.58	12.50	11.68	7.01	2.89			39.66
ETr	0.35	0.95	2.69	4.33	6.22	7.53	8.90	8.13	5.23	3.01	1.11	0.44	48.90
St Dev	0.13	0.20	0.36	0.47	0.52	0.57	0.58	0.42	0.45	0.37	0.23	0.11	2.58

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEAVER

Aridity Index: 54%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 38.3, Long: -112.65, Elev: 5940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.18	32.45	38.99	45.45	54.41	62.76	69.91	68.05	59.50	48.61	37.15	28.93	47.87
St Dev	4.33	3.09	3.21	3.33	2.75	2.75	1.94	1.57	1.96	2.70	3.02	3.55	1.20
Precip (in)	1.00	0.96	1.21	1.14	0.96	0.54	0.90	1.18	0.85	1.11	0.84	0.91	11.59
St Dev	0.72	0.58	0.73	0.70	0.67	0.50	0.66	0.93	0.80	0.79	0.57	0.52	2.62
Aridity Adj. (F)	1.08	1.03	1.46	2.00	2.97	3.67	3.08	3.02	3.08	2.81	1.94	1.30	2.29
Est. Dewpoint (F)	19.27	20.10	18.85	20.28	26.21	29.93	38.45	38.48	30.43	24.81	19.11	17.21	25.26
Rs (langley/day)	223	332	427	559	569	686	559	544	463	369	229	200	430
Wind (mpd)	117	120	164	182	158	144	117	125	121	130	124	120	135
Calc. Wind Limit (mpd)	96	96	132	132	132	131	96	100	96	100	96	96	108
.....Inches.....													
Alfalfa (Beef)					4.20	7.98	6.91	5.26	2.16				26.51
St Dev					0.56	0.46	0.65	0.72	1.48				2.27
Net Irr					3.43	7.55	6.20	4.32	1.47				22.97
Alfalfa (Dairy)					4.20	7.17	6.39	5.61	1.56				24.93
St Dev					0.56	0.43	0.33	0.60	1.24				1.73
Net Irr					3.43	6.74	5.67	4.67	0.88				21.39
Barley					1.83	6.80	8.60	4.41	0.09				21.73
St Dev					0.38	1.07	0.42	1.18	0.20				0.69
Net Irr					1.06	6.37	7.89	3.46					18.78
Corn						1.27	4.02	7.19	2.51				14.99
St Dev						0.10	0.52	0.72	1.62				2.19
Net Irr						0.84	3.30	6.24	1.83				12.22
Other Hay					4.52	9.22	7.20	3.10	1.19	0.03			25.27
St Dev					0.48	0.62	0.38	0.14	0.50	0.10			1.17
Net Irr					3.76	8.79	6.48	2.16	0.51				21.70
Pasture					2.81	5.97	5.72	5.22	2.18	0.06			21.96
St Dev					0.30	0.40	0.29	0.27	1.07	0.24			1.48
Net Irr					2.04	5.54	5.01	4.27	1.50				18.36
Spring Grain					1.76	6.47	8.62	5.49	0.39				22.74
St Dev					0.36	1.07	0.44	0.96	0.45				0.80
Net Irr					0.99	6.04	7.90	4.55					19.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEAVER

Aridity Index: 54%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 38.3, Long: -112.65, Elev: 5940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.57	3.02	5.06	1.66				11.32
St Dev						0.10	0.16	0.24	1.17				1.22
Net Irr						1.14	2.31	4.12	0.97				8.54
Turfgrass					2.99	5.02	5.05	4.66	2.26	0.07			20.05
St Dev					0.32	0.34	0.25	0.21	1.00	0.27			1.33
Net Irr					2.23	4.59	4.33	3.71	1.58				16.44
Open Water Deep	0.73	0.83	1.69	2.10	3.04	4.14	3.87	4.03	2.84	2.38	1.51	0.90	28.05
St Dev	0.15	0.16	0.33	0.30	0.38	0.40	0.29	0.22	0.22	0.29	0.25	0.15	1.44
Net Evap		0.05	0.72	1.19	2.27	3.71	3.16	3.08	2.16	1.50	0.83	0.17	18.85
Open Water Shallow	0.83	1.44	2.74	3.88	4.64	5.66	5.29	5.11	3.89	2.69	1.32	0.82	38.30
St Dev	0.13	0.19	0.36	0.33	0.33	0.28	0.20	0.16	0.21	0.23	0.18	0.11	1.27
Net Evap	0.03	0.66	1.78	2.96	3.87	5.23	4.58	4.16	3.21	1.80	0.65	0.09	29.03
Wetlands Large						1.88	6.92	7.93	2.68				19.42
St Dev						0.13	0.36	0.70	1.74				2.22
Net ET						1.45	6.21	6.99	2.00				16.65
Wetlands Narrow						2.37	9.73	11.33	3.83				27.26
St Dev						0.16	0.51	0.99	2.49				3.17
Net ET						1.94	9.01	10.39	3.15				24.49
ETr	1.09	1.73	3.84	5.38	7.11	8.93	8.41	7.79	5.96	4.12	2.19	1.25	57.78
St Dev	0.29	0.35	0.70	0.59	0.69	0.61	0.42	0.33	0.44	0.49	0.41	0.25	2.55

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLACK ROCK

Aridity Index: 30%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.71, Long: -112.95, Elev: 4895 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.76	33.73	41.95	48.66	57.10	66.06	73.39	71.21	61.57	49.93	37.73	28.12	49.77
St Dev	6.15	4.04	3.12	2.94	2.48	2.46	1.93	1.70	1.94	2.20	2.98	4.29	1.18
Precip (in)	0.58	0.65	1.05	0.89	0.90	0.48	0.66	0.83	0.74	1.02	0.70	0.60	9.11
St Dev	0.51	0.55	0.72	0.57	0.72	0.54	0.55	0.71	0.82	0.81	0.53	0.43	2.28
Aridity Adj. (F)	0.60	0.57	0.81	1.11	1.65	2.04	1.71	1.68	1.71	1.56	1.08	0.72	1.27
Est. Dewpoint (F)	19.24	20.55	21.09	22.83	29.02	33.22	41.52	40.66	32.40	26.37	21.27	18.29	27.20
Rs (langley/day)	185	295	404	518	568	681	629	609	501	358	226	201	431
Wind (mpd)	94	114	154	164	150	140	119	136	116	112	114	103	126
Calc. Wind Limit (mpd)	96	96	128	132	116	110	96	96	96	96	96	96	105
.....Inches.....													
Alfalfa (Beef)				4.03	7.46	8.64	7.82	7.52	4.76	0.23			40.46
St Dev				0.84	0.45	0.98	0.32	0.69	1.77	0.43			2.62
Net Irr				3.32	6.73	8.25	7.29	6.86	4.17				36.63
Alfalfa (Dairy)				4.03	6.70	7.76	7.89	7.19	4.06	0.21			37.84
St Dev				0.84	0.42	0.45	0.31	0.30	1.53	0.40			2.25
Net Irr				3.32	5.98	7.37	7.36	6.53	3.47				34.03
Barley				1.92	6.71	10.40	3.92						22.95
St Dev				0.49	0.99	0.61	1.66						0.64
Net Irr				1.20	5.98	10.02	3.39						20.60
Corn					1.16	4.91	9.99	7.93	1.72				25.71
St Dev					0.13	0.82	0.46	0.55	0.86				0.94
Net Irr					0.43	4.53	9.46	7.27	1.13				22.82
Other Hay				4.27	8.70	8.81	4.28	2.93	1.11				30.11
St Dev				0.83	0.62	0.69	0.33	0.15	0.21				1.17
Net Irr				3.55	7.98	8.43	3.76	2.27	0.52				26.50
Pasture				2.93	5.69	6.96	7.08	6.50	4.29	0.87			34.32
St Dev				0.37	0.39	0.43	0.25	0.24	0.76	0.79			2.06
Net Irr				2.21	4.96	6.58	6.55	5.84	3.69	0.06			29.89
Sorghum					1.42	5.40	9.16	8.61	3.05				27.63
St Dev					0.15	0.40	0.35	0.32	0.76				1.21
Net Irr					0.70	5.01	8.63	7.94	2.45				24.75
Spring Grain				1.84	6.42	10.48	5.36	0.06					24.16
St Dev				0.46	1.00	0.65	1.63	0.17					0.68
Net Irr				1.13	5.70	10.10	4.83						21.75
Winter Wheat			0.85	2.37	6.75	9.98	2.61	0.01					22.57
St Dev			0.14	0.44	1.19	0.68	1.57	0.04					0.59
Net Irr			0.02	1.66	6.03	9.59	2.08						19.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLACK ROCK

Aridity Index: 30%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.71, Long: -112.95, Elev: 4895 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.45	3.68	6.71	7.70	2.38				21.93
St Dev					0.13	0.22	0.25	0.47	0.92				1.30
Net Irr					0.73	3.30	6.18	7.04	1.79				19.04
Turfgrass				3.10	4.80	6.14	6.25	5.76	4.14	1.03			31.22
St Dev				0.36	0.33	0.38	0.22	0.20	0.56	0.87			1.80
Net Irr				2.38	4.08	5.76	5.72	5.09	3.55	0.22			26.80
Open Water Deep	1.12	1.39	2.67	3.36	4.09	5.36	5.94	5.96	4.22	3.31	2.08	1.24	40.73
St Dev	0.25	0.24	0.37	0.41	0.38	0.47	0.33	0.27	0.28	0.33	0.30	0.22	1.51
Net Evap	0.66	0.87	1.83	2.64	3.37	4.97	5.41	5.29	3.62	2.50	1.52	0.76	33.44
Open Water Shallow	0.94	1.65	3.20	4.35	5.23	6.24	6.43	6.21	4.66	3.05	1.56	0.98	44.49
St Dev	0.17	0.22	0.29	0.31	0.27	0.29	0.17	0.15	0.19	0.22	0.19	0.15	0.97
Net Evap	0.48	1.13	2.36	3.63	4.51	5.85	5.90	5.54	4.07	2.23	1.00	0.50	37.21
Wetlands Large					0.78	6.95	10.83	10.04	5.84	0.55			34.99
St Dev					0.27	0.77	0.42	0.37	1.99	1.09			3.23
Net ET					0.05	6.57	10.30	9.38	5.25				31.54
Wetlands Narrow					0.92	9.61	15.46	14.34	8.35	0.79			49.47
St Dev					0.33	1.13	0.60	0.53	2.84	1.56			4.61
Net ET					0.20	9.22	14.93	13.68	7.75				45.79
ETr	1.50	2.41	5.12	6.96	8.48	10.24	10.41	9.59	7.28	5.01	2.74	1.57	71.32
St Dev	0.37	0.45	0.65	0.67	0.57	0.63	0.37	0.33	0.41	0.53	0.48	0.34	2.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLANDING

Aridity Index: 86%, Temp. Adj. (F): -9, Period: 1971-2008, Lat: 37.61, Long: -109.48, Elev: 6085 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.90	35.14	42.26	49.39	58.91	69.09	74.75	72.48	64.48	52.81	39.93	31.42	51.71
St Dev	4.89	3.44	3.61	3.59	3.37	3.20	2.57	2.37	2.97	3.12	3.28	3.41	2.00
Precip (in)	1.58	1.25	1.07	0.86	0.72	0.44	1.21	1.20	1.33	1.56	1.10	1.11	13.42
St Dev	1.39	1.07	0.90	0.73	0.56	0.47	0.88	0.91	0.91	1.35	0.72	1.00	3.29
Aridity Adj. (F)	1.72	1.63	2.32	3.18	4.73	5.85	4.90	4.82	4.90	4.47	3.10	2.06	3.64
Est. Dewpoint (F)	17.62	19.28	20.58	24.07	31.09	38.87	46.21	45.62	38.69	30.14	22.77	18.70	29.47
Rs (langley/day)	250	324	465	586	640	729	637	598	521	374	263	207	466
Wind (mpd)	103	110	147	173	157	142	116	119	115	122	109	111	127
Calc. Wind Limit (mpd)	104	120	120	120	120	120	120	120	120	120	120	112	118
.....Inches.....													
Alfalfa (Beef)				0.23	4.13	6.77	6.39	5.10	2.71	0.09			25.42
St Dev				0.06	0.54	0.42	0.69	0.45	1.18	0.23			1.83
Net Irr					3.56	6.42	5.42	4.14	1.65				21.18
Alfalfa (Dairy)				0.23	4.13	6.17	5.94	5.22	2.45	0.08			24.22
St Dev				0.06	0.54	0.37	0.33	0.25	1.20	0.20			1.59
Net Irr					3.56	5.82	4.97	4.26	1.39				19.99
Other Hay				0.22	4.72	7.90	5.83	2.65	1.28	0.12			22.72
St Dev				0.06	0.42	0.45	0.31	0.13	0.26	0.16			0.98
Net Irr					4.14	7.55	4.86	1.69	0.22				18.45
Pasture				0.15	2.95	5.14	5.32	4.71	2.74	0.36			21.37
St Dev				0.04	0.26	0.29	0.27	0.23	0.75	0.55			1.44
Net Irr					2.37	4.78	4.35	3.75	1.68				16.94
Spring Grain				0.12	1.68	5.49	7.98	5.34	0.84				21.45
St Dev				0.03	0.39	1.06	0.41	1.42	0.72				0.87
Net Irr					1.10	5.14	7.01	4.39					17.64

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLANDING

Aridity Index: 86%, Temp. Adj. (F): -9, Period: 1971-2008, Lat: 37.61, Long: -109.48, Elev: 6085 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.80	3.23	4.94	2.12	0.03			12.11
St Dev						0.10	0.17	0.37	1.33	0.11			1.58
Net Irr						1.45	2.26	3.98	1.05				8.74
Turfgrass				0.26	2.82	4.40	4.69	4.17	2.67	0.42			19.43
St Dev				0.07	0.25	0.25	0.23	0.20	0.60	0.60			1.27
Net Irr					2.25	4.05	3.72	3.21	1.60				14.84
Open Water Deep	0.60	0.79	1.17	1.40	1.98	2.70	3.14	3.23	2.23	2.03	1.13	0.68	21.10
St Dev	0.13	0.16	0.24	0.21	0.27	0.27	0.27	0.24	0.24	0.29	0.20	0.13	1.19
Net Evap			0.32	0.71	1.41	2.35	2.17	2.27	1.17	0.79	0.25		11.44
Open Water Shallow	0.80	1.33	2.67	3.71	4.66	5.58	5.55	5.19	3.98	2.47	1.19	0.67	37.80
St Dev	0.13	0.19	0.34	0.32	0.32	0.25	0.21	0.19	0.23	0.25	0.16	0.11	1.12
Net Evap		0.33	1.82	3.02	4.09	5.23	4.58	4.23	2.92	1.23	0.31		27.74
Wetlands Large						2.76	7.29	7.30	3.76	0.18			21.29
St Dev						0.31	0.44	0.35	1.44	0.36			1.97
Net ET						2.41	6.32	6.34	2.70				17.76
Wetlands Narrow						3.60	10.35	10.42	5.37	0.26			30.00
St Dev						0.41	0.64	0.51	2.06	0.52			2.81
Net ET						3.24	9.37	9.47	4.31				26.39
ETr	0.75	1.45	3.14	4.51	6.04	7.58	7.82	6.95	5.08	3.18	1.42	0.70	48.62
St Dev	0.20	0.30	0.52	0.48	0.52	0.43	0.39	0.34	0.38	0.44	0.28	0.20	1.69

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLUFF

Aridity Index: 86%, Temp. Adj. (F): -9, Period: 1971-2008, Lat: 37.28, Long: -109.56, Elev: 4320 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.83	37.66	46.43	54.34	63.23	71.96	78.49	76.36	67.03	53.85	40.70	31.20	54.34
St Dev	5.07	3.27	2.47	3.01	2.91	2.78	2.57	2.27	2.23	2.05	2.01	3.76	1.68
Precip (in)	0.83	0.70	0.61	0.46	0.49	0.19	0.73	0.78	0.78	1.04	0.72	0.65	7.98
St Dev	0.79	0.64	0.58	0.42	0.48	0.25	0.66	0.89	0.69	1.10	0.59	0.61	2.31
Aridity Adj. (F)	1.72	1.63	2.32	3.18	4.73	5.85	4.90	4.82	4.90	4.47	3.10	2.06	3.64
Est. Dewpoint (F)	16.41	18.64	21.14	25.91	32.74	38.37	47.80	47.54	37.93	26.81	20.01	15.47	29.06
Rs (langley/day)	269	337	456	578	633	713	676	585	511	379	261	238	470
Wind (mpd)	105	116	150	171	154	141	120	117	118	123	113	112	128
Calc. Wind Limit (mpd)	96	105	120	120	120	120	104	100	105	110	101	96	108
.....Inches.....													
Alfalfa (Beef)				0.65	5.44	6.92	7.53	5.33	2.07	0.05			27.99
St Dev				0.12	0.68	0.54	1.04	1.38	1.30	0.14			3.24
Net Irr				0.28	5.05	6.77	6.94	4.70	1.45				25.19
Alfalfa (Dairy)				0.65	5.44	6.55	6.49	5.13	2.27	0.04			26.57
St Dev				0.12	0.68	0.44	0.47	0.95	1.46	0.10			2.63
Net Irr				0.28	5.05	6.40	5.90	4.51	1.65				23.78
Apples / Cherries					0.66	5.74	8.82	7.59	4.79	0.35			27.94
St Dev					0.12	0.40	0.52	0.54	1.55	0.60			2.29
Net Irr					0.27	5.59	8.24	6.96	4.16				25.22
Other Hay				0.65	5.96	8.97	5.85	2.69	1.27	0.06			25.44
St Dev				0.12	0.55	0.64	0.37	0.19	0.39	0.10			1.34
Net Irr				0.28	5.57	8.82	5.26	2.07	0.64				22.63
Other Orchard					0.65	5.41	8.27	7.00	4.42	0.32			26.07
St Dev					0.11	0.37	0.48	0.50	1.43	0.55			2.11
Net Irr					0.26	5.26	7.69	6.38	3.79				23.38
Pasture				0.42	3.75	5.87	5.93	4.92	2.75	0.17			23.81
St Dev				0.08	0.35	0.42	0.34	0.40	0.99	0.30			1.74
Net Irr				0.05	3.36	5.72	5.34	4.30	2.12				20.90
Sorghum						2.35	5.91	6.39	2.97	0.09			17.72
St Dev						0.17	0.36	0.62	1.77	0.21			2.25
Net Irr						2.20	5.33	5.76	2.35				15.64
Spring Grain				0.30	2.63	7.68	8.61	2.84	0.03				22.08
St Dev				0.05	0.54	0.96	0.63	1.51	0.07				1.23
Net Irr					2.24	7.53	8.03	2.21					20.01
Winter Wheat			0.01	1.42	3.04	7.91	7.50	1.18					21.06
St Dev			0.02	0.17	0.80	1.12	1.35	1.05					1.07
Net Irr				1.05	2.65	7.76	6.91	0.56					18.93

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLUFF

Aridity Index: 86%, Temp. Adj. (F): -9, Period: 1971-2008, Lat: 37.28, Long: -109.56, Elev: 4320 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						2.21	3.75	5.11	1.66				12.74
St Dev						0.16	0.23	0.58	1.32				1.70
Net Irr						2.06	3.17	4.48	1.04				10.75
Turfgrass				0.67	3.36	5.09	5.23	4.38	2.76	0.21			21.70
St Dev				0.12	0.30	0.36	0.30	0.31	0.90	0.36			1.54
Net Irr				0.30	2.98	4.94	4.65	3.75	2.14				18.75
Open Water Deep	0.68	0.99	1.59	1.89	2.53	3.37	3.45	3.31	2.54	2.26	1.26	0.73	24.60
St Dev	0.19	0.18	0.25	0.24	0.32	0.35	0.30	0.23	0.23	0.25	0.18	0.16	1.24
Net Evap	0.02	0.43	1.11	1.52	2.14	3.21	2.87	2.68	1.91	1.43	0.69	0.21	18.21
Open Water Shallow	0.90	1.49	2.88	3.98	4.91	5.69	5.99	5.25	4.06	2.60	1.26	0.80	39.81
St Dev	0.19	0.20	0.29	0.28	0.31	0.27	0.24	0.20	0.20	0.23	0.17	0.16	1.08
Net Evap	0.23	0.93	2.40	3.61	4.52	5.54	5.40	4.62	3.43	1.76	0.69	0.28	33.42
Wetlands Large						2.65	7.80	7.25	3.34	0.12			21.17
St Dev						0.19	0.51	1.40	2.13	0.30			3.31
Net ET						2.50	7.22	6.63	2.72				19.06
Wetlands Narrow						3.42	11.04	10.36	4.78	0.18			29.77
St Dev						0.25	0.72	2.00	3.04	0.43			4.72
Net ET						3.27	10.45	9.73	4.15				27.61
ETr	1.03	1.94	4.00	5.49	7.02	8.64	8.72	7.36	5.78	3.96	1.89	1.04	56.86
St Dev	0.38	0.41	0.59	0.52	0.61	0.61	0.51	0.44	0.46	0.60	0.42	0.36	2.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BONANZA

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.02, Long: -109.18, Elev: 5450 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.11	24.59	38.34	48.19	58.29	67.95	75.54	73.16	63.26	50.50	35.18	23.64	48.06
St Dev	6.73	5.52	3.17	3.03	2.87	2.92	2.89	2.41	2.41	2.37	3.69	5.15	1.64
Precip (in)	1.03	0.55	0.78	0.68	0.98	0.55	0.69	0.59	0.62	0.95	0.51	0.75	8.69
St Dev	1.05	0.41	0.53	0.46	0.75	0.61	0.85	0.68	0.61	0.74	0.35	0.68	2.58
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	9.96	16.20	20.67	20.88	28.29	31.36	39.59	39.51	30.11	26.94	17.93	12.32	24.48
Rs (langleys/day)	206	308	424	532	613	677	643	558	467	339	231	181	432
Wind (mpd)	43	48	92	116	109	98	83	77	68	63	59	48	75
Calc. Wind Limit (mpd)	96	96	96	119	115	101	96	96	96	96	96	96	100
.....Inches.....													
Alfalfa (Beef)			0.01	2.33	6.76	6.90	7.45	6.93	3.41	0.47			34.26
St Dev			0.04	0.97	0.67	0.52	0.52	0.48	1.47	0.62			2.42
Net Irr				1.78	5.98	6.46	6.89	6.45	2.91				30.48
Alfalfa (Dairy)			0.01	2.33	6.39	6.87	7.02	6.00	3.18	0.40			32.20
St Dev			0.04	0.97	0.56	0.45	0.32	0.27	1.22	0.55			2.21
Net Irr				1.78	5.61	6.43	6.46	5.52	2.68				28.49
Barley			0.01	1.15	4.86	9.07	5.89	0.11					21.10
St Dev			0.03	0.46	1.08	0.67	1.51	0.21					1.08
Net Irr				0.60	4.07	8.63	5.34						18.65
Corn					0.98	3.29	8.35	7.29	2.85	0.17			22.94
St Dev					0.29	0.82	0.81	0.36	1.11	0.29			1.38
Net Irr					0.19	2.85	7.80	6.82	2.35				20.01
Other Hay			0.01	2.48	7.41	8.45	4.55	2.65	1.15	0.02			26.73
St Dev			0.04	1.09	0.76	0.67	0.70	0.20	0.24	0.05			1.06
Net Irr				1.94	6.63	8.01	3.99	2.17	0.66				23.40
Pasture			0.03	2.20	5.00	6.07	6.38	5.46	3.54	0.93	0.02		29.64
St Dev			0.06	0.68	0.45	0.38	0.27	0.21	0.51	0.71	0.08		1.86
Net Irr				1.66	4.21	5.63	5.82	4.99	3.04	0.17			25.53
Sorghum					1.24	4.61	8.14	7.22	2.60				23.81
St Dev					0.38	0.96	0.45	0.33	1.04				1.13
Net Irr					0.45	4.17	7.59	6.75	2.10				21.05
Spring Grain			0.01	1.11	4.60	9.00	7.02	0.44					22.19
St Dev			0.03	0.43	1.04	0.74	1.26	0.51					1.12
Net Irr				0.57	3.82	8.56	6.46						19.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BONANZA

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.02, Long: -109.18, Elev: 5450 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.61	3.56	6.52	6.33	1.60				19.62
St Dev					0.20	0.29	0.37	0.29	0.53				0.90
Net Irr					0.83	3.12	5.96	5.85	1.10				16.87
Turfgrass			0.05	2.36	4.21	5.36	5.63	4.83	3.33	1.03	0.03		26.82
St Dev			0.10	0.54	0.41	0.33	0.24	0.19	0.36	0.72	0.10		1.63
Net Irr				1.81	3.42	4.92	5.07	4.36	2.83	0.28			22.69
Open Water Deep	0.33	0.36	1.34	2.62	3.40	4.32	4.89	4.48	2.81	1.82	1.03	0.49	27.88
St Dev	0.09	0.10	0.20	0.32	0.37	0.43	0.41	0.32	0.22	0.19	0.15	0.08	1.20
Net Evap			0.71	2.07	2.62	3.88	4.33	4.01	2.31	1.06	0.62		21.61
Open Water Shallow	0.67	1.15	2.73	4.12	5.26	5.93	6.30	5.56	4.13	2.56	1.26	0.71	40.40
St Dev	0.14	0.21	0.27	0.32	0.35	0.30	0.23	0.19	0.19	0.21	0.14	0.10	1.26
Net Evap		0.71	2.11	3.58	4.47	5.49	5.75	5.09	3.63	1.81	0.86	0.12	33.60
Wetlands Large					0.46	5.39	9.55	8.42	5.01	0.77			29.60
St Dev					0.45	1.22	0.52	0.38	1.57	0.95			2.93
Net ET						4.95	8.99	7.95	4.51	0.01			26.41
Wetlands Narrow					0.55	7.36	13.63	12.03	7.15	1.10			41.82
St Dev					0.56	1.80	0.75	0.55	2.24	1.36			4.19
Net ET						6.92	13.07	11.56	6.65	0.34			38.55
ETr	0.70	1.15	3.43	5.84	7.56	8.93	9.38	8.05	5.70	3.35	1.60	0.81	56.50
St Dev	0.16	0.24	0.41	0.56	0.63	0.55	0.40	0.31	0.31	0.33	0.20	0.12	2.20

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BOULDER

Aridity Index: 29%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 37.9, Long: -111.42, Elev: 6680 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.82	32.97	40.00	46.85	55.62	65.65	71.87	69.50	61.97	51.07	38.17	29.96	49.37
St Dev	4.48	3.61	3.78	3.55	2.94	2.70	2.09	1.55	2.25	3.27	3.36	3.55	1.33
Precip (in)	0.99	0.97	1.05	0.49	0.68	0.33	0.96	1.49	1.24	1.37	0.75	0.67	10.98
St Dev	1.06	0.82	0.89	0.48	0.68	0.36	0.79	0.85	1.05	1.40	0.92	0.61	2.89
Aridity Adj. (F)	0.58	0.55	0.78	1.07	1.60	1.97	1.65	1.62	1.65	1.51	1.04	0.70	1.23
Est. Dewpoint (F)	23.99	23.91	23.57	25.62	33.07	40.17	48.35	47.68	41.35	34.32	25.38	22.20	32.47
Rs (langley/day)	242	343	465	548	617	690	591	582	471	374	257	213	449
Wind (mpd)	110	132	147	158	146	136	111	110	111	114	115	110	125
Calc. Wind Limit (mpd)	96	96	132	132	132	132	97	101	96	103	96	96	109
.....Inches.....													
Alfalfa (Beef)				1.09	5.10	6.38	6.53	5.38	2.69	0.39			27.56
St Dev				0.16	0.61	0.40	0.48	0.65	0.88	0.64			1.61
Net Irr				0.70	4.55	6.12	5.76	4.19	1.70				23.02
Alfalfa (Dairy)				1.09	5.10	6.05	5.57	5.07	2.86	0.40			26.15
St Dev				0.16	0.61	0.34	0.27	0.28	0.91	0.68			1.65
Net Irr				0.70	4.55	5.79	4.80	3.88	1.87				21.60
Other Hay				1.16	5.86	8.06	4.20	2.38	1.16	0.07			22.89
St Dev				0.16	0.53	0.48	0.22	0.13	0.14	0.05			1.09
Net Irr				0.77	5.31	7.80	3.44	1.19	0.17				18.67
Pasture				0.71	3.74	5.40	5.05	4.62	2.93	0.63	0.01		23.09
St Dev				0.09	0.34	0.32	0.25	0.25	0.50	0.63	0.03		1.28
Net Irr				0.32	3.19	5.14	4.28	3.43	1.94				18.31
Spring Grain				0.45	2.41	7.03	7.42	2.79	0.04				20.14
St Dev				0.06	0.53	0.85	0.41	1.12	0.11				0.84
Net Irr				0.06	1.86	6.77	6.65	1.60					16.94

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BOULDER

Aridity Index: 29%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 37.9, Long: -111.42, Elev: 6680 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.61	2.41	4.06	5.53	2.31	0.07			14.98
St Dev					0.08	0.14	0.21	0.30	0.67	0.12			0.81
Net Irr					0.07	2.15	3.29	4.33	1.32				11.16
Turfgrass				1.01	3.15	4.75	4.46	4.08	2.79	0.71	0.01		20.95
St Dev				0.12	0.28	0.28	0.22	0.22	0.38	0.66	0.04		1.15
Net Irr				0.62	2.61	4.49	3.69	2.89	1.80				16.09
Open Water Deep	0.41	0.57	1.32	1.77	2.48	3.63	3.11	3.23	2.22	2.00	1.16	0.62	22.51
St Dev	0.12	0.13	0.27	0.25	0.32	0.34	0.23	0.23	0.20	0.28	0.19	0.14	1.32
Net Evap			0.48	1.38	1.94	3.37	2.34	2.03	1.23	0.91	0.56	0.09	14.32
Open Water Shallow	0.72	1.36	2.81	3.76	4.82	5.74	5.42	5.26	3.86	2.63	1.27	0.72	38.37
St Dev	0.13	0.19	0.34	0.31	0.33	0.26	0.21	0.23	0.21	0.25	0.15	0.12	1.38
Net Evap		0.58	1.97	3.37	4.28	5.48	4.65	4.07	2.88	1.53	0.67	0.19	29.65
Wetlands Large					0.05	3.92	7.36	7.15	4.17	0.58			23.23
St Dev					0.03	0.41	0.39	0.39	1.36	0.85			2.02
Net ET						3.66	6.60	5.95	3.19				19.39
Wetlands Narrow					0.05	5.21	10.50	10.21	5.96	0.83			32.77
St Dev					0.03	0.57	0.56	0.56	1.94	1.22			2.88
Net ET						4.95	9.74	9.02	4.97				28.68
ETr	0.49	1.28	3.25	4.73	6.30	7.95	7.43	6.81	4.87	3.18	1.50	0.69	48.45
St Dev	0.21	0.26	0.51	0.49	0.56	0.47	0.36	0.37	0.32	0.38	0.24	0.21	2.36

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BOUNTIFUL-VAL VERDA

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.85, Long: -111.89, Elev: 4540 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.44	33.63	42.52	49.15	58.72	67.96	76.59	74.66	64.11	52.38	39.60	30.69	51.62
St Dev	4.72	3.96	2.97	3.49	2.69	3.05	2.63	1.82	2.53	2.79	3.41	3.50	1.33
Precip (in)	2.15	2.13	2.75	2.90	2.46	1.14	0.83	0.83	1.55	2.17	2.05	2.01	22.98
St Dev	1.07	1.02	1.40	1.58	1.46	1.07	0.66	0.71	1.49	1.38	1.13	1.39	5.07
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	23.38	25.68	27.86	29.16	34.91	40.71	47.53	46.62	38.94	32.79	27.06	23.31	33.16
Rs (langley/day)	162	283	358	471	582	681	697	593	470	344	211	175	419
Wind (mpd)	63	66	93	103	100	87	80	86	78	77	74	63	81
Calc. Wind Limit (mpd)	96	96	96	100	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				2.08	5.76	5.95	6.99	6.82	4.20	1.29	0.06		33.13
St Dev				0.57	0.52	0.57	0.50	0.43	0.79	0.81	0.19		1.60
Net Irr					3.78	5.04	6.32	6.16	2.96				24.26
Alfalfa (Dairy)				2.08	5.28	5.86	6.74	6.00	3.76	1.21	0.05		30.99
St Dev				0.57	0.38	0.44	0.42	0.26	0.56	0.83	0.15		1.54
Net Irr					3.31	4.95	6.08	5.34	2.52				22.20
Apples / Cherries				1.17	5.09	7.88	9.30	8.17	4.56	1.85	0.01		38.04
St Dev				0.41	0.61	0.60	0.50	0.30	0.31	0.36	0.03		1.77
Net Irr					3.11	6.97	8.64	7.51	3.32	0.12			29.68
Barley			0.01	1.05	4.40	7.77	5.08	0.07					18.38
St Dev			0.03	0.32	0.90	0.62	1.53	0.18					0.65
Net Irr					2.43	6.86	4.42						13.70
Corn					0.82	2.47	7.63	7.15	2.90	0.52			21.50
St Dev					0.20	0.66	1.07	0.43	1.12	0.60			0.85
Net Irr						1.56	6.97	6.49	1.65				16.68
Melon					0.84	3.89	5.81	5.19	3.06	0.10			18.89
St Dev					0.27	0.59	0.31	0.20	0.52	0.21			1.10
Net Irr						2.98	5.15	4.52	1.82				14.47
Onion				0.06	2.86	5.68	8.91	7.75	2.39				27.64
St Dev				0.12	0.43	0.74	0.51	0.29	0.61				1.28
Net Irr					0.89	4.77	8.24	7.08	1.14				22.12
Other Hay				2.21	6.36	7.05	4.04	2.57	1.04	0.01			23.27
St Dev				0.60	0.54	0.58	0.42	0.13	0.17	0.03			1.17
Net Irr					4.38	6.14	3.37	1.90					15.80
Other Orchard				1.09	4.86	7.30	8.59	7.52	4.12	1.82	0.01		35.30
St Dev				0.38	0.59	0.54	0.46	0.28	0.28	0.35	0.03		1.65
Net Irr					2.89	6.39	7.92	6.85	2.88	0.09			27.02
Pasture			0.06	1.99	4.26	5.18	6.08	5.43	3.54	1.71	0.15		28.38
St Dev			0.09	0.41	0.33	0.38	0.33	0.21	0.21	0.45	0.23		1.51
Net Irr					2.29	4.27	5.42	4.76	2.29				19.02
Potato					1.08	3.63	6.82	5.42	1.93	0.17			19.05
St Dev					0.26	0.84	0.43	0.31	0.95	0.40			0.71
Net Irr						2.72	6.15	4.75	0.69				14.31
Spring Grain			0.01	1.02	4.18	7.74	6.19	0.29					19.43
St Dev			0.03	0.31	0.87	0.66	1.29	0.41					0.67
Net Irr					2.21	6.83	5.52						14.56
Winter Wheat			0.68	1.57	4.77	7.62	3.36	0.04					18.05
St Dev			0.15	0.33	1.03	0.58	1.69	0.10					0.64
Net Irr					2.80	6.71	2.70						12.21

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BOUNTIFUL-VAL VERDA

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.85, Long: -111.89, Elev: 4540 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.05	1.58	3.35	6.57	6.00	1.43				18.97
St Dev				0.08	0.25	0.43	0.56	0.30	0.43				0.86
Net Irr						2.44	5.90	5.33	0.19				13.86
Small Fruit					1.11	4.46	8.52	7.64	3.64	0.03			25.39
St Dev					0.31	0.71	0.59	0.28	0.65	0.09			1.36
Net Irr						3.55	7.85	6.98	2.40				20.77
Turfgrass			0.10	2.02	3.61	4.57	5.37	4.79	3.18	1.76	0.18		25.56
St Dev			0.14	0.30	0.30	0.33	0.29	0.18	0.18	0.37	0.26		1.32
Net Irr					1.64	3.66	4.70	4.12	1.93	0.02			16.08
Open Water Deep	0.62	0.66	1.35	1.83	2.52	3.05	4.13	4.57	2.70	2.10	1.25	0.68	25.45
St Dev	0.11	0.10	0.17	0.26	0.28	0.34	0.36	0.26	0.22	0.23	0.18	0.09	1.29
Net Evap					0.55	2.14	3.47	3.91	1.46	0.36			11.88
Open Water Shallow	0.70	1.30	2.51	3.57	4.84	5.68	6.60	5.85	4.09	2.61	1.21	0.72	39.69
St Dev	0.10	0.15	0.21	0.30	0.33	0.36	0.32	0.20	0.20	0.20	0.14	0.08	1.37
Net Evap			0.31	1.25	2.86	4.77	5.94	5.19	2.85	0.87			24.05
Wetlands Large					0.30	4.48	9.10	8.38	5.48	2.09	0.08		29.90
St Dev					0.25	0.88	0.62	0.32	0.47	1.22	0.23		2.05
Net ET						3.57	8.44	7.71	4.23	0.35			24.31
Wetlands Narrow					0.35	6.10	12.99	11.97	7.82	2.98	0.11		42.33
St Dev					0.30	1.28	0.89	0.46	0.68	1.74	0.33		2.92
Net ET						5.19	12.33	11.30	6.58	1.25			36.65
ETr	0.77	1.32	3.10	4.59	6.34	7.61	8.94	7.98	5.29	3.25	1.49	0.74	51.44
St Dev	0.12	0.17	0.30	0.44	0.49	0.55	0.48	0.31	0.29	0.28	0.20	0.10	2.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BRIGHAM CITY WASTE PLT

Aridity Index: 35%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 41.52, Long: -112.04, Elev: 4230 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.71	31.61	41.44	48.75	57.69	66.43	73.86	72.10	62.43	50.69	37.84	28.66	49.85
St Dev	5.63	5.38	3.49	3.00	2.55	2.56	2.41	1.89	2.55	2.25	3.24	4.01	1.39
Precip (in)	1.69	1.39	1.61	1.84	1.96	1.06	0.74	0.82	1.49	1.87	1.39	1.41	17.28
St Dev	1.18	0.83	1.06	1.17	1.42	1.01	0.87	0.81	1.52	1.22	0.82	1.09	5.59
Aridity Adj. (F)	0.70	0.67	0.95	1.30	1.93	2.38	2.00	1.96	2.00	1.82	1.26	0.84	1.48
Est. Dewpoint (F)	22.46	24.55	27.01	28.59	33.45	38.81	42.69	41.63	36.70	31.35	26.36	22.44	31.34
Rs (langleys/day)	166	271	371	491	599	665	685	605	454	311	188	146	413
Wind (mpd)	85	99	119	131	120	111	97	99	93	99	87	85	102
Calc. Wind Limit (mpd)	96	96	103	115	104	96	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)				1.77	6.11	6.30	7.83	7.71	3.52	0.47			33.71
St Dev				0.71	0.58	0.60	0.54	0.53	1.40	0.62			2.62
Net Irr				0.30	4.54	5.44	7.24	7.05	2.33				26.90
Alfalfa (Dairy)				1.77	5.85	6.31	7.35	6.56	3.39	0.35			31.59
St Dev				0.71	0.46	0.51	0.39	0.36	1.13	0.44			2.37
Net Irr				0.30	4.28	5.46	6.76	5.90	2.20				24.90
Apples / Cherries				0.83	5.01	8.41	10.22	9.11	5.08	1.45	0.01		40.12
St Dev				0.37	0.56	0.71	0.47	0.38	0.97	0.91	0.04		2.51
Net Irr					3.44	7.56	9.63	8.45	3.88				32.97
Barley				0.89	4.29	8.31	6.56	0.15					20.21
St Dev				0.35	0.95	0.75	1.42	0.28					0.82
Net Irr					2.72	7.46	5.97						16.15
Corn					0.80	2.79	8.48	8.14	3.35	0.20			23.75
St Dev					0.24	0.78	0.95	0.38	0.95	0.29			1.62
Net Irr						1.94	7.89	7.48	2.16				19.47
Onion				0.04	2.86	5.79	9.69	8.26	2.42				29.06
St Dev				0.09	0.54	0.91	0.57	1.45	0.99				2.87
Net Irr					1.29	4.94	9.10	7.60	1.23				24.16
Other Hay				1.87	6.65	7.91	4.91	2.94	1.26	0.05			25.59
St Dev				0.77	0.63	0.60	0.65	0.14	0.28	0.08			1.22
Net Irr				0.40	5.08	7.06	4.32	2.28	0.06				19.21
Other Orchard				0.78	4.76	7.82	9.44	8.40	4.58	1.39	0.01		37.18
St Dev				0.34	0.56	0.64	0.44	0.35	0.87	0.88	0.04		2.34
Net Irr					3.19	6.97	8.85	7.74	3.39				30.14
Pasture			0.02	1.78	4.52	5.56	6.69	5.97	3.64	1.11	0.01		29.29
St Dev			0.04	0.55	0.38	0.44	0.31	0.29	0.79	0.77	0.05		2.14
Net Irr				0.30	2.95	4.71	6.10	5.31	2.44				21.81
Safflower					1.71	7.93	9.83	8.55	4.05	0.70			32.77
St Dev					0.92	0.83	0.46	0.59	1.10	0.50			2.64
Net Irr					0.14	7.08	9.24	7.89	2.85				27.21
Sorghum					1.00	3.96	8.45	7.93	3.09				24.43
St Dev					0.31	0.82	0.56	0.35	0.87				1.41
Net Irr						3.11	7.86	7.27	1.89				20.14
Spring Grain				0.87	4.06	8.25	7.67	0.58					21.44
St Dev				0.34	0.91	0.79	1.16	0.59					0.88
Net Irr					2.49	7.40	7.08						16.97
Winter Wheat			0.53	1.49	4.50	8.25	4.85	0.10					19.71
St Dev			0.18	0.29	1.03	0.74	1.59	0.17					0.73
Net Irr				0.02	2.93	7.40	4.26						14.60

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BRIGHAM CITY WASTE PLT

Aridity Index: 35%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 41.52, Long: -112.04, Elev: 4230 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.03	1.57	3.42	6.96	6.59	1.58				20.14
St Dev				0.07	0.30	0.53	0.68	1.15	0.64				1.94
Net Irr						2.57	6.37	5.93	0.38				15.25
Turfgrass			0.03	1.94	3.79	4.91	5.90	5.29	3.39	1.23	0.02		26.49
St Dev			0.07	0.46	0.33	0.39	0.27	0.23	0.65	0.79	0.06		1.90
Net Irr				0.47	2.22	4.06	5.31	4.63	2.20				18.88
Open Water Deep	0.49	0.64	1.25	1.95	2.75	3.50	5.02	5.18	3.23	2.50	1.23	0.65	28.39
St Dev	0.10	0.13	0.21	0.30	0.29	0.38	0.37	0.29	0.29	0.30	0.20	0.11	1.44
Net Evap				0.48	1.18	2.65	4.43	4.52	2.03	1.00	0.13		16.42
Open Water Shallow	0.49	1.06	2.41	3.63	4.95	5.65	6.55	5.93	4.03	2.43	1.02	0.50	38.66
St Dev	0.09	0.15	0.25	0.34	0.32	0.35	0.24	0.19	0.22	0.22	0.14	0.08	1.44
Net Evap			1.12	2.16	3.39	4.80	5.96	5.27	2.83	0.94			26.47
Wetlands Large					0.24	4.56	9.90	9.26	5.43	0.72			30.11
St Dev					0.28	1.05	0.65	0.40	1.34	0.89			3.12
Net ET						3.71	9.31	8.60	4.24				25.85
Wetlands Narrow					0.28	6.17	14.12	13.22	7.76	1.04			42.59
St Dev					0.34	1.52	0.94	0.58	1.92	1.27			4.45
Net ET						5.32	13.53	12.56	6.57				37.98
ETr	0.44	1.11	3.04	4.91	6.85	8.18	9.83	8.81	5.94	3.68	1.44	0.58	54.81
St Dev	0.17	0.24	0.41	0.59	0.53	0.64	0.46	0.39	0.43	0.47	0.29	0.16	2.74

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BRYCE CANYON NP HQRS

Aridity Index: 69%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.64, Long: -112.17, Elev: 7915 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.75	25.18	31.47	38.57	47.47	57.03	63.37	61.10	53.21	42.84	30.97	23.36	41.44
St Dev	3.67	3.08	3.41	3.50	2.59	2.83	1.89	1.55	1.97	2.80	3.39	4.09	1.00
Precip (in)	1.60	1.62	1.50	0.87	0.92	0.56	1.44	2.03	1.59	1.75	1.24	1.04	16.15
St Dev	1.78	1.38	1.27	0.80	0.89	0.65	1.10	1.35	1.49	1.53	1.52	0.83	4.66
Aridity Adj. (F)	1.38	1.31	1.86	2.55	3.80	4.69	3.93	3.86	3.93	3.59	2.48	1.66	2.92
Est. Dewpoint (F)	16.00	13.99	13.79	15.23	20.92	26.44	34.95	35.02	27.32	21.66	15.40	13.30	21.17
Rs (langley/day)	260	350	425	541	614	713	562	567	491	390	277	230	452
Wind (mpd)	126	133	146	165	154	149	124	122	132	131	126	120	136
Calc. Wind Limit (mpd)	96	96	132	132	132	131	96	96	96	99	96	96	108
.....Inches.....													
Alfalfa (Beef)					3.56	7.88	5.98	4.94	1.88	0.01			24.26
St Dev					0.42	0.59	0.42	1.06	1.47	0.08			2.29
Net Irr					2.83	7.44	4.83	3.31	0.61				19.02
Alfalfa (Dairy)					3.56	7.38	5.96	4.92	1.26	0.01			23.09
St Dev					0.42	0.45	0.29	1.17	0.89	0.04			1.55
Net Irr					2.83	6.93	4.80	3.29					17.86
Other Hay					3.96	8.79	7.00	2.96	1.29	0.09			24.08
St Dev					0.38	0.60	0.34	0.15	0.43	0.18			1.05
Net Irr					3.22	8.35	5.84	1.33	0.02				18.76
Pasture					2.44	5.70	5.34	4.87	2.41	0.19			20.95
St Dev					0.24	0.39	0.25	0.25	1.02	0.41			1.46
Net Irr					1.70	5.25	4.19	3.25	1.14				15.53

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BRYCE CANYON NP HQRS

Aridity Index: 69%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.64, Long: -112.17, Elev: 7915 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.58	2.88	4.74	1.39				10.58
St Dev						0.11	0.14	0.28	1.06				1.22
Net Irr						1.13	1.72	3.11	0.12				6.09
Turfgrass					2.68	4.76	4.71	4.33	2.41	0.22			19.12
St Dev					0.25	0.32	0.22	0.22	0.88	0.46			1.30
Net Irr					1.94	4.31	3.56	2.70	1.14				13.66
Open Water Deep	0.81	0.88	1.61	2.05	2.90	4.00	3.61	3.53	2.65	2.30	1.47	0.98	26.81
St Dev	0.14	0.14	0.26	0.29	0.31	0.40	0.24	0.20	0.21	0.29	0.23	0.19	1.14
Net Evap			0.42	1.36	2.17	3.55	2.45	1.91	1.39	0.90	0.48	0.15	14.77
Open Water Shallow	1.03	1.54	2.68	3.74	4.81	5.77	5.21	5.11	3.98	2.79	1.50	0.99	39.15
St Dev	0.14	0.18	0.29	0.34	0.30	0.29	0.18	0.20	0.22	0.25	0.18	0.15	1.11
Net Evap		0.24	1.48	3.05	4.07	5.33	4.06	3.48	2.71	1.39	0.51	0.16	26.48
Wetlands Large						1.95	6.59	7.09	2.67	0.02			18.32
St Dev						0.14	0.32	1.28	1.80	0.13			2.59
Net ET						1.51	5.43	5.46	1.40				13.80
Wetlands Narrow						2.48	9.27	10.13	3.81	0.03			25.71
St Dev						0.18	0.45	1.83	2.57	0.19			3.71
Net ET						2.03	8.11	8.50	2.54				21.18
ETr	1.22	1.83	3.53	5.06	6.83	8.57	7.86	7.22	5.58	3.88	2.08	1.35	55.01
St Dev	0.24	0.29	0.48	0.58	0.55	0.58	0.37	0.37	0.38	0.47	0.33	0.27	2.09

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BULLFROG BASIN

Aridity Index: 97%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 37.53, Long: -110.72, Elev: 3822 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	35.80	41.32	50.03	57.76	68.25	78.47	85.02	82.43	73.17	60.13	46.47	36.70	59.63
St Dev	4.08	3.81	3.13	3.16	2.83	2.73	1.96	1.65	2.02	2.51	2.52	2.98	1.14
Precip (in)	0.58	0.42	0.54	0.36	0.35	0.15	0.34	0.54	0.69	0.96	0.55	0.47	5.93
St Dev	0.57	0.35	0.52	0.37	0.42	0.22	0.30	0.40	0.69	1.22	0.53	0.47	2.13
Aridity Adj. (F)	1.94	1.84	2.62	3.59	5.34	6.60	5.53	5.43	5.53	5.04	3.49	2.33	4.11
Est. Dewpoint (F)	28.62	29.34	30.04	32.56	40.70	46.26	55.89	55.81	47.55	38.22	30.77	26.95	38.56
Rs (langley/day)	241	327	450	509	620	662	576	578	456	351	257	207	436
Wind (mpd)	95	134	142	162	161	141	115	113	116	112	113	103	126
Calc. Wind Limit (mpd)	106	111	132	132	132	132	117	117	113	125	114	103	119
.....Inches.....													
Alfalfa (Beef)			0.56	4.56	6.35	8.45	7.67	6.45	5.15	2.76	0.18		42.13
St Dev			0.41	0.78	0.39	0.65	0.83	0.40	0.59	1.18	0.30		1.83
Net Irr			0.13	4.28	6.07	8.34	7.40	6.02	4.60	1.99			38.81
Alfalfa (Dairy)			0.56	4.56	6.09	7.13	7.11	6.40	4.72	2.51	0.20		39.27
St Dev			0.41	0.78	0.44	0.34	0.35	0.31	0.32	0.88	0.36		1.62
Net Irr			0.13	4.28	5.81	7.01	6.84	5.96	4.17	1.74			35.93
Barley			0.36	2.59	7.48	8.65	1.15						20.22
St Dev			0.20	0.73	0.95	0.80	1.12						0.62
Net Irr				2.30	7.20	8.53	0.87						18.91
Other Hay			0.57	4.95	8.23	6.46	3.53	2.31	0.49				26.54
St Dev			0.43	0.75	0.58	0.91	0.24	0.19	0.26				1.11
Net Irr			0.14	4.67	7.95	6.34	3.26	1.87					24.23
Pasture			0.75	3.56	5.42	6.56	6.45	5.81	4.21	2.40	0.39		35.55
St Dev			0.35	0.43	0.39	0.33	0.32	0.26	0.26	0.48	0.42		1.29
Net Irr			0.32	3.27	5.14	6.44	6.18	5.38	3.66	1.63			32.02
Potato				0.37	2.41	6.68	6.97	3.21	0.08				19.72
St Dev				0.21	0.55	0.81	0.39	1.23	0.31				0.79
Net Irr				0.09	2.13	6.56	6.70	2.78					18.26
Spring Grain			0.35	2.46	7.29	9.20	2.05						21.35
St Dev			0.19	0.69	0.99	0.58	1.40						0.61
Net Irr				2.17	7.01	9.08	1.77						20.04

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BULLFROG BASIN

Aridity Index: 97%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 37.53, Long: -110.72, Elev: 3822 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.75	2.61	5.69	7.68	4.70	0.32				21.75
St Dev				0.29	0.35	0.65	0.40	0.75	0.36				0.68
Net Irr				0.47	2.33	5.57	7.41	4.26					20.03
Turfgrass			1.01	3.00	4.76	5.79	5.69	5.12	3.77	2.38	0.40		31.93
St Dev			0.40	0.31	0.36	0.29	0.28	0.23	0.23	0.38	0.40		1.10
Net Irr			0.58	2.72	4.48	5.67	5.42	4.69	3.22	1.62			28.40
Open Water Deep	0.73	1.17	2.22	2.82	3.92	5.61	5.82	5.45	3.87	3.13	1.93	0.99	37.66
St Dev	0.19	0.24	0.37	0.36	0.43	0.48	0.39	0.29	0.29	0.39	0.28	0.17	1.52
Net Evap	0.27	0.84	1.79	2.53	3.64	5.49	5.55	5.02	3.32	2.36	1.49	0.62	32.91
Open Water Shallow	0.91	1.64	3.31	4.19	5.57	6.26	6.14	5.99	4.37	2.92	1.54	0.86	43.68
St Dev	0.18	0.24	0.34	0.30	0.31	0.25	0.23	0.21	0.21	0.27	0.19	0.14	1.05
Net Evap	0.45	1.30	2.88	3.90	5.29	6.14	5.86	5.56	3.82	2.15	1.10	0.49	38.94
Wetlands Large					2.03	8.28	9.95	8.97	6.59	3.58	0.39		39.81
St Dev					0.78	0.98	0.50	0.41	0.41	1.21	0.59		2.31
Net ET					1.75	8.17	9.68	8.54	6.04	2.81			36.99
Wetlands Narrow					2.60	11.69	14.22	12.81	9.42	5.12	0.55		56.41
St Dev					1.06	1.45	0.71	0.58	0.58	1.73	0.84		3.30
Net ET					2.32	11.57	13.95	12.38	8.87	4.35	0.12		53.55
ETr	0.82	1.88	4.39	5.97	7.98	9.65	9.49	8.54	6.28	4.16	2.09	0.98	62.23
St Dev	0.29	0.39	0.61	0.55	0.58	0.48	0.47	0.39	0.39	0.52	0.38	0.26	1.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CALLAO

Aridity Index: 38%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.9, Long: -113.71, Elev: 4330 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.08	32.98	42.28	49.26	57.69	66.81	74.17	72.36	62.00	49.87	37.36	28.25	50.01
St Dev	5.51	4.29	3.02	3.08	2.53	2.65	2.33	2.00	2.25	2.27	2.87	3.77	1.30
Precip (in)	0.40	0.37	0.45	0.57	0.88	0.50	0.48	0.64	0.53	0.73	0.38	0.25	6.18
St Dev	0.34	0.31	0.37	0.49	0.81	0.64	0.57	0.61	0.67	0.69	0.34	0.25	2.02
Aridity Adj. (F)	0.76	0.72	1.03	1.41	2.09	2.58	2.17	2.13	2.17	1.98	1.37	0.91	1.61
Est. Dewpoint (F)	19.02	20.82	22.91	26.78	32.30	37.27	42.77	41.90	33.41	27.91	21.65	18.57	28.78
Rs (langley/day)	222	281	414	531	561	646	586	573	471	346	244	195	422
Wind (mpd)	86	123	113	140	134	122	126	146	132	104	113	88	119
Calc. Wind Limit (mpd)	96	96	121	132	109	106	96	102	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				2.02	5.95	6.30	7.33	7.35	2.52	0.06			31.54
St Dev				0.49	0.72	0.46	0.49	0.88	1.25	0.14			2.26
Net Irr				1.56	5.25	5.90	6.95	6.84	2.09				28.60
Alfalfa (Dairy)				2.02	5.79	6.32	6.69	6.29	2.59	0.04			29.74
St Dev				0.49	0.56	0.49	0.34	0.49	1.21	0.11			1.92
Net Irr				1.56	5.09	5.91	6.31	5.78	2.16				26.82
Apples / Cherries					3.02	7.69	9.32	8.89	5.29	0.61			34.83
St Dev					0.34	0.54	0.43	0.36	1.33	0.88			2.53
Net Irr					2.32	7.29	8.94	8.38	4.86	0.03			31.83
Barley				0.82	3.75	8.25	7.01	0.43					20.26
St Dev				0.18	0.84	0.77	1.01	0.49					0.62
Net Irr				0.36	3.05	7.85	6.63						17.89
Corn					0.63	2.47	7.39	8.04	3.27	0.04			21.85
St Dev					0.10	0.49	0.91	0.53	1.28	0.10			1.93
Net Irr						2.07	7.01	7.53	2.84				19.46
Other Hay				2.17	6.59	7.95	4.27	2.82	1.19				25.00
St Dev				0.50	0.65	0.54	0.35	0.10	0.28				1.36
Net Irr				1.71	5.89	7.54	3.89	2.31	0.76				22.12
Other Orchard					2.82	7.31	8.61	8.21	4.84	0.55			32.34
St Dev					0.32	0.51	0.40	0.33	1.21	0.80			2.31
Net Irr					2.12	6.90	8.23	7.70	4.42				29.37
Pasture				1.37	4.29	5.61	6.10	5.77	3.18	0.37			26.69
St Dev				0.23	0.42	0.40	0.28	0.29	0.97	0.58			1.99
Net Irr				0.91	3.59	5.20	5.72	5.25	2.76				23.44
Spring Grain				0.81	3.54	8.13	7.82	1.13					21.44
St Dev				0.18	0.78	0.82	0.71	0.78					0.66
Net Irr				0.35	2.84	7.73	7.44	0.62					18.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CALLAO

Aridity Index: 38%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.9, Long: -113.71, Elev: 4330 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.82	2.65	5.20	6.88	1.85				17.39
St Dev					0.10	0.19	0.25	0.59	1.07				1.60
Net Irr					0.12	2.24	4.82	6.37	1.42				14.97
Turfgrass				1.70	3.55	4.95	5.38	5.13	3.16	0.44			24.31
St Dev				0.26	0.34	0.35	0.25	0.21	0.82	0.65			1.75
Net Irr				1.24	2.85	4.54	5.00	4.62	2.74				20.99
Open Water Deep	0.63	0.88	1.62	2.25	2.71	3.73	4.65	5.07	3.25	2.39	1.44	0.74	29.34
St Dev	0.18	0.17	0.24	0.35	0.34	0.37	0.36	0.27	0.26	0.29	0.21	0.14	1.58
Net Evap	0.31	0.58	1.26	1.79	2.01	3.32	4.26	4.56	2.82	1.81	1.13	0.55	24.40
Open Water Shallow	0.74	1.26	2.74	3.88	4.64	5.52	5.76	5.64	4.09	2.56	1.28	0.69	38.78
St Dev	0.17	0.18	0.26	0.36	0.34	0.31	0.21	0.16	0.21	0.23	0.16	0.12	1.42
Net Evap	0.42	0.96	2.37	3.42	3.93	5.11	5.38	5.13	3.66	1.98	0.97	0.49	33.84
Wetlands Large					0.22	4.57	9.06	8.89	4.57	0.10			27.41
St Dev					0.17	0.85	0.61	0.63	1.84	0.22			2.91
Net ET						4.17	8.68	8.38	4.15				25.37
Wetlands Narrow					0.25	6.19	12.92	12.69	6.53	0.14			38.72
St Dev					0.19	1.23	0.88	0.90	2.63	0.32			4.15
Net ET						5.79	12.54	12.18	6.11				36.62
ETr	0.84	1.62	3.76	5.43	6.69	8.24	8.97	8.58	6.14	3.88	1.90	0.93	56.98
St Dev	0.30	0.34	0.49	0.68	0.64	0.58	0.42	0.33	0.40	0.47	0.35	0.25	2.78

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CANYONLANDS-THE NECK

Aridity Index: 82%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 38.46, Long: -109.82, Elev: 5930 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.84	34.64	43.06	50.83	60.94	72.29	78.38	75.75	66.80	54.10	39.89	29.83	52.95
St Dev	4.70	3.43	3.42	3.49	2.92	3.13	2.57	1.80	2.55	3.23	3.50	3.26	1.27
Precip (in)	0.60	0.53	0.86	0.78	0.74	0.42	0.88	0.97	0.94	1.31	0.75	0.69	9.47
St Dev	0.51	0.50	0.67	0.68	0.64	0.43	0.70	0.70	0.73	1.21	0.62	0.65	2.06
Aridity Adj. (F)	1.64	1.56	2.21	3.03	4.51	5.58	4.67	4.59	4.67	4.26	2.95	1.97	3.47
Est. Dewpoint (F)	20.94	24.01	28.11	28.31	36.47	46.39	53.39	51.11	42.82	35.43	25.18	19.88	34.34
Rs (langley/day)	227	346	435	572	632	731	690	620	498	376	264	209	467
Wind (mpd)	84	89	124	152	132	112	85	84	83	89	90	87	101
Calc. Wind Limit (mpd)	96	96	120	120	120	120	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				0.63	4.17	5.66	6.33	4.78	2.42	0.23			24.22
St Dev				0.11	0.45	0.34	0.59	0.44	0.92	0.42			1.47
Net Irr					3.58	5.33	5.63	4.00	1.67				20.21
Alfalfa (Dairy)				0.63	4.17	5.26	5.44	4.68	2.51	0.21			22.89
St Dev				0.11	0.45	0.33	0.29	0.27	0.92	0.39			1.42
Net Irr					3.58	4.93	4.74	3.90	1.75				18.90
Other Hay				0.65	4.79	7.09	4.57	2.28	1.05	0.09			20.51
St Dev				0.11	0.38	0.50	0.26	0.13	0.16	0.08			1.10
Net Irr				0.02	4.19	6.75	3.87	1.51	0.30				16.64
Pasture				0.41	3.03	4.67	4.92	4.26	2.45	0.39			20.13
St Dev				0.07	0.24	0.33	0.27	0.24	0.55	0.47			1.38
Net Irr					2.44	4.33	4.21	3.49	1.70				16.17
Sorghum					0.06	2.00	5.13	5.63	2.98	0.11			15.92
St Dev					0.02	0.14	0.29	0.31	1.13	0.14			1.29
Net Irr						1.66	4.43	4.86	2.22				13.18
Spring Grain				0.28	1.84	5.76	7.29	3.08	0.11				18.36
St Dev				0.04	0.39	0.86	0.39	1.19	0.18				1.02
Net Irr					1.24	5.42	6.59	2.30					15.56
Winter Wheat			0.06	1.02	1.95	5.69	6.75	1.56	0.03				17.07
St Dev			0.02	0.13	0.38	1.10	0.61	1.07	0.06				0.98
Net Irr				0.40	1.36	5.35	6.05	0.79					13.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CANYONLANDS-THE NECK

Aridity Index: 82%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 38.46, Long: -109.82, Elev: 5930 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.06	1.83	3.25	4.71	2.06	0.04			11.95
St Dev					0.02	0.13	0.19	0.26	0.98	0.15			1.13
Net Irr						1.49	2.55	3.94	1.30				9.28
Turfgrass				0.63	2.65	4.07	4.34	3.77	2.37	0.45			18.27
St Dev				0.10	0.21	0.29	0.24	0.21	0.40	0.51			1.22
Net Irr					2.05	3.73	3.64	2.99	1.61				14.03
Open Water Deep	0.23	0.32	0.57	1.16	1.65	2.08	2.01	2.17	1.52	1.19	0.75	0.34	13.99
St Dev	0.06	0.08	0.15	0.19	0.20	0.25	0.19	0.18	0.17	0.20	0.13	0.07	1.03
Net Evap				0.54	1.05	1.75	1.30	1.39	0.77	0.14	0.15		7.09
Open Water Shallow	0.53	1.16	2.26	3.57	4.58	5.60	5.86	5.29	3.77	2.28	1.05	0.52	36.46
St Dev	0.09	0.15	0.27	0.32	0.28	0.31	0.26	0.23	0.23	0.25	0.14	0.08	1.45
Net Evap	0.06	0.73	1.58	2.95	3.98	5.26	5.16	4.51	3.01	1.23	0.45		28.92
Wetlands Large						2.84	6.93	6.58	3.47	0.38			20.19
St Dev						0.29	0.42	0.36	1.31	0.58			1.86
Net ET						2.50	6.22	5.80	2.72				17.25
Wetlands Narrow						3.72	9.86	9.40	4.96	0.54			28.47
St Dev						0.39	0.60	0.51	1.88	0.83			2.65
Net ET						3.39	9.15	8.62	4.20				25.37
ETr	0.21	0.85	2.15	4.02	5.45	6.87	7.23	6.28	4.31	2.35	0.94	0.27	40.92
St Dev	0.12	0.17	0.37	0.45	0.43	0.49	0.39	0.35	0.32	0.34	0.19	0.11	2.29

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CANYONLANDS-THE NEEDLE

Aridity Index: 98%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 38.15, Long: -109.78, Elev: 4998 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.97	36.15	44.75	52.21	62.22	72.67	78.92	76.52	66.99	54.15	40.51	30.40	53.71
St Dev	5.54	4.00	3.29	3.09	2.82	2.77	2.08	1.98	2.06	2.73	2.90	3.45	1.47
Precip (in)	0.65	0.71	0.86	0.72	0.63	0.33	0.81	1.02	0.86	1.24	0.66	0.65	9.14
St Dev	0.48	0.95	0.68	0.62	0.62	0.37	0.60	0.62	0.68	1.10	0.46	0.53	2.08
Aridity Adj. (F)	1.96	1.86	2.65	3.63	5.39	6.66	5.59	5.49	5.59	5.10	3.53	2.35	4.15
Est. Dewpoint (F)	16.16	20.28	24.13	25.36	32.95	40.98	48.87	47.42	37.84	29.32	20.72	15.78	29.98
Rs (langley/day)	234	328	469	587	637	719	630	570	501	369	257	203	459
Wind (mpd)	146	144	182	211	185	160	127	134	133	149	144	148	155
Calc. Wind Limit (mpd)	96	113	120	120	120	120	115	113	119	120	120	101	115
.....Inches.....													
Alfalfa (Beef)				0.09	4.31	6.75	7.08	5.16	2.75	0.05			26.20
St Dev				0.04	0.45	0.61	0.80	0.55	1.08	0.20			1.45
Net Irr					3.81	6.49	6.43	4.35	2.06				23.14
Alfalfa (Dairy)				0.09	4.31	6.11	6.26	5.31	2.36	0.05			24.50
St Dev				0.04	0.45	0.43	0.54	0.38	1.26	0.17			1.37
Net Irr					3.81	5.85	5.61	4.50	1.67				21.45
Other Hay				0.08	4.71	8.19	6.44	2.79	1.28	0.06			23.56
St Dev				0.04	0.40	0.57	0.54	0.17	0.38	0.10			1.19
Net Irr					4.21	7.93	5.80	1.98	0.59				20.51
Pasture				0.06	2.94	5.31	5.61	4.89	2.55	0.12			21.48
St Dev				0.03	0.25	0.37	0.45	0.29	0.95	0.22			1.34
Net Irr					2.44	5.05	4.96	4.07	1.86				18.38
Sorghum						2.14	5.60	6.44	3.09	0.07			17.34
St Dev						0.15	0.46	0.47	1.33	0.19			1.36
Net Irr						1.88	4.95	5.63	2.40				14.86
Spring Grain				0.05	1.83	6.19	8.41	4.14	0.25				20.86
St Dev				0.02	0.32	0.81	0.71	1.23	0.32				1.36
Net Irr					1.33	5.93	7.76	3.33					18.35
Winter Wheat				1.15	2.25	6.48	7.86	1.88	0.04				19.66
St Dev				0.13	0.40	1.03	1.03	1.12	0.09				1.29
Net Irr				0.57	1.75	6.22	7.21	1.07					16.82

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CANYONLANDS-THE NEEDLE

Aridity Index: 98%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 38.15, Long: -109.78, Elev: 4998 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						2.02	3.55	5.14	1.82	0.01			12.54
St Dev						0.14	0.29	0.49	1.18	0.09			1.47
Net Irr						1.76	2.90	4.33	1.13				10.12
Turfgrass				0.11	2.93	4.53	4.95	4.34	2.57	0.15			19.58
St Dev				0.04	0.24	0.31	0.40	0.26	0.83	0.28			1.18
Net Irr					2.43	4.27	4.30	3.53	1.88				16.40
Open Water Deep	0.51	0.76	1.07	1.52	2.13	2.89	3.45	3.51	2.67	2.13	1.35	0.64	22.62
St Dev	0.14	0.16	0.24	0.21	0.24	0.29	0.35	0.26	0.27	0.31	0.22	0.13	1.09
Net Evap		0.19	0.38	0.94	1.63	2.63	2.80	2.69	1.98	1.14	0.82	0.12	15.32
Open Water Shallow	0.68	1.28	2.64	3.77	4.73	5.62	5.65	5.14	3.98	2.45	1.20	0.63	37.77
St Dev	0.15	0.18	0.30	0.27	0.28	0.26	0.32	0.21	0.24	0.25	0.16	0.12	1.08
Net Evap	0.16	0.71	1.95	3.19	4.23	5.35	5.01	4.32	3.29	1.45	0.67	0.11	30.46
Wetlands Large						2.93	7.73	7.53	3.60	0.10			21.90
St Dev						0.20	0.63	0.55	1.55	0.29			1.61
Net ET						2.67	7.08	6.72	2.91				19.38
Wetlands Narrow						3.83	10.97	10.76	5.14	0.14			30.85
St Dev						0.27	0.90	0.79	2.22	0.41			2.30
Net ET						3.57	10.33	9.95	4.45				28.29
ETr	0.72	1.47	3.15	4.78	6.33	7.87	8.24	7.23	5.60	3.51	1.72	0.79	51.40
St Dev	0.27	0.35	0.54	0.48	0.51	0.55	0.66	0.44	0.54	0.56	0.37	0.26	2.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CAPITOL REEF NP

Aridity Index: 93%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 38.29, Long: -111.26, Elev: 5500 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.04	36.18	45.10	52.54	61.94	72.28	78.22	75.48	67.23	55.27	40.84	31.26	53.87
St Dev	4.47	3.60	3.47	3.68	2.67	2.85	1.98	1.62	2.22	3.16	3.09	3.49	1.00
Precip (in)	0.54	0.44	0.64	0.54	0.63	0.37	0.87	1.18	0.79	0.86	0.64	0.31	7.81
St Dev	0.64	0.47	0.58	0.56	0.53	0.36	0.68	0.81	0.77	1.01	0.74	0.31	2.26
Aridity Adj. (F)	1.86	1.77	2.51	3.44	5.12	6.32	5.30	5.21	5.30	4.84	3.35	2.23	3.94
Est. Dewpoint (F)	23.18	26.01	28.16	27.72	35.25	43.15	50.95	49.00	40.93	35.14	25.12	21.17	33.82
Rs (langley/day)	237	336	455	531	617	679	601	578	465	372	257	219	446
Wind (mpd)	81	99	112	125	116	106	84	84	87	87	90	82	96
Calc. Wind Limit (mpd)	96	96	120	120	120	120	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				1.69	4.88	5.58	5.90	5.04	2.38	0.30			25.77
St Dev				0.41	0.59	0.42	0.58	0.57	0.86	0.60			1.71
Net Irr				1.26	4.38	5.28	5.20	4.10	1.75				21.96
Alfalfa (Dairy)				1.69	4.88	5.35	5.15	4.60	2.58	0.30			24.55
St Dev				0.41	0.57	0.36	0.33	0.35	0.71	0.56			1.60
Net Irr				1.26	4.37	5.05	4.46	3.65	1.96				20.74
Apples / Cherries					1.88	5.98	7.15	6.42	4.35	0.92			26.70
St Dev					0.19	0.46	0.45	0.44	0.62	0.74			1.75
Net Irr					1.38	5.68	6.45	5.48	3.72	0.23			22.93
Barley				0.73	2.66	6.51	6.60	1.64	0.01				18.14
St Dev				0.15	0.67	0.88	0.57	1.10	0.03				0.89
Net Irr				0.29	2.16	6.21	5.90	0.70					15.25
Other Hay				1.93	5.71	6.61	3.20	2.02	0.90	0.01			20.39
St Dev				0.47	0.53	0.53	0.40	0.16	0.16	0.04			1.20
Net Irr				1.50	5.21	6.31	2.51	1.07	0.27				16.87
Other Orchard					1.74	5.73	6.60	5.93	4.00	0.83			24.83
St Dev					0.17	0.44	0.42	0.41	0.56	0.66			1.61
Net Irr					1.24	5.43	5.90	4.99	3.37	0.14			21.06
Pasture				1.34	3.77	4.74	4.68	4.19	2.68	0.55			21.94
St Dev				0.18	0.32	0.37	0.30	0.29	0.49	0.48			1.35
Net Irr				0.91	3.27	4.44	3.98	3.24	2.05				17.88
Spring Grain				0.72	2.53	6.33	6.86	2.58	0.09				19.10
St Dev				0.14	0.64	0.91	0.50	1.15	0.19				0.95
Net Irr				0.28	2.02	6.03	6.16	1.64					16.13

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CAPITOL REEF NP

Aridity Index: 93%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 38.29, Long: -111.26, Elev: 5500 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.56	2.12	3.75	5.02	1.84	0.02			13.31
St Dev					0.07	0.16	0.25	0.34	0.71	0.07			1.03
Net Irr					0.06	1.82	3.05	4.07	1.21				10.21
Turfgrass				1.56	3.13	4.18	4.13	3.71	2.56	0.63			19.90
St Dev				0.19	0.27	0.32	0.26	0.25	0.37	0.51			1.21
Net Irr				1.13	2.63	3.88	3.43	2.76	1.93				15.76
Open Water Deep	0.16	0.32	0.71	1.40	1.81	2.29	2.17	2.28	1.75	1.27	0.80	0.33	15.30
St Dev	0.09	0.12	0.15	0.22	0.23	0.28	0.21	0.21	0.21	0.21	0.16	0.09	1.19
Net Evap			0.20	0.97	1.30	1.99	1.47	1.34	1.12	0.58	0.29	0.08	9.36
Open Water Shallow	0.52	1.12	2.48	3.50	4.55	5.27	5.21	4.96	3.60	2.30	1.05	0.55	35.11
St Dev	0.13	0.19	0.24	0.30	0.29	0.31	0.25	0.27	0.25	0.24	0.16	0.10	1.49
Net Evap	0.09	0.78	1.97	3.06	4.04	4.97	4.51	4.01	2.97	1.61	0.55	0.30	28.86
Wetlands Large					0.07	3.50	6.83	6.49	3.81	0.47			21.16
St Dev					0.05	0.51	0.46	0.45	1.10	0.74			1.85
Net ET						3.20	6.13	5.54	3.18				18.04
Wetlands Narrow					0.07	4.67	9.73	9.27	5.44	0.68			29.86
St Dev					0.06	0.71	0.66	0.64	1.58	1.06			2.63
Net ET						4.37	9.04	8.32	4.81				26.54
ETr	0.19	0.86	2.59	4.33	5.75	6.97	6.88	6.18	4.47	2.51	1.08	0.35	42.16
St Dev	0.19	0.28	0.36	0.47	0.49	0.54	0.43	0.42	0.40	0.35	0.26	0.15	2.53

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CASTLE DALE

Aridity Index: 38%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.21, Long: -111.01, Elev: 5620 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.96	29.62	39.56	47.05	56.10	65.22	71.70	69.29	60.64	49.21	35.74	25.50	47.72
St Dev	6.36	5.04	3.14	2.82	2.49	2.46	2.33	2.01	2.19	2.29	2.51	3.83	1.43
Precip (in)	0.65	0.60	0.64	0.50	0.59	0.44	0.71	0.96	0.90	0.96	0.53	0.41	7.87
St Dev	0.61	0.59	0.56	0.55	0.52	0.45	0.62	0.77	0.72	0.91	0.58	0.37	2.14
Aridity Adj. (F)	0.76	0.72	1.03	1.41	2.09	2.58	2.17	2.13	2.17	1.98	1.37	0.91	1.61
Est. Dewpoint (F)	11.28	17.02	24.95	18.97	29.37	29.21	36.95	38.94	29.84	26.81	14.97	9.60	23.99
Rs (langleys/day)	181	295	414	536	580	660	618	522	497	355	267	196	427
Wind (mpd)	50	53	84	140	108	133	110	91	97	74	64	53	88
Calc. Wind Limit (mpd)	96	96	132	132	132	123	110	105	96	96	96	96	109
.....Inches.....													
Alfalfa (Beef)				0.53	4.86	7.48	8.35	5.26	2.25				28.74
St Dev				0.15	0.52	0.44	0.70	1.00	1.36				2.31
Net Irr				0.13	4.40	7.14	7.78	4.49	1.53				25.47
Alfalfa (Dairy)				0.53	4.86	6.94	7.12	5.33	2.22				27.02
St Dev				0.15	0.52	0.39	0.40	0.51	1.51				2.20
Net Irr				0.13	4.40	6.59	6.56	4.56	1.50				23.74
Barley				0.26	2.28	7.93	9.41	2.59	0.01				22.48
St Dev				0.06	0.43	0.96	0.48	1.22	0.06				0.70
Net Irr					1.81	7.58	8.84	1.83					20.06
Corn					0.06	2.04	6.08	7.14	2.84	0.01			18.18
St Dev					0.02	0.23	0.91	0.74	1.72	0.05			2.53
Net Irr						1.69	5.52	6.38	2.13				15.71
Other Hay				0.53	5.43	9.43	6.53	2.77	1.20	0.04			25.93
St Dev				0.15	0.46	0.61	0.42	0.11	0.43	0.10			1.22
Net Irr				0.13	4.96	9.08	5.96	2.00	0.49				22.62
Pasture				0.36	3.43	6.16	6.43	5.00	2.49	0.13			23.98
St Dev				0.08	0.28	0.40	0.36	0.21	1.10	0.33			1.66
Net Irr					2.96	5.81	5.86	4.24	1.77				20.63
Sorghum					0.07	2.64	6.70	6.52	2.75	0.01			18.70
St Dev					0.03	0.17	0.40	0.67	1.68	0.06			2.14
Net Irr						2.29	6.13	5.76	2.04				16.22
Spring Grain				0.26	2.18	7.65	9.61	3.77	0.13				23.59
St Dev				0.06	0.40	0.98	0.51	1.14	0.24				0.67
Net Irr					1.71	7.30	9.04	3.00					21.05

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CASTLE DALE

Aridity Index: 38%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.21, Long: -111.01, Elev: 5620 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.07	2.42	4.24	5.26	1.52				13.52
St Dev					0.03	0.16	0.25	0.69	1.40				1.93
Net Irr						2.07	3.67	4.49	0.81				11.04
Turfgrass				0.58	3.12	5.33	5.67	4.47	2.54	0.15			21.85
St Dev				0.13	0.25	0.35	0.32	0.18	0.98	0.37			1.44
Net Irr				0.18	2.65	4.98	5.10	3.70	1.83				18.43
Open Water Deep	0.34	0.37	0.68	2.29	2.37	4.45	4.93	3.77	2.98	1.63	0.98	0.49	25.28
St Dev	0.10	0.10	0.20	0.30	0.26	0.41	0.41	0.23	0.24	0.22	0.15	0.10	1.33
Net Evap			0.17	1.88	1.90	4.10	4.37	3.00	2.26	0.86	0.56	0.17	19.27
Open Water Shallow	0.61	1.11	2.30	3.84	4.57	5.67	5.90	4.94	4.12	2.43	1.31	0.72	37.51
St Dev	0.14	0.19	0.32	0.32	0.27	0.28	0.25	0.15	0.21	0.24	0.16	0.12	1.26
Net Evap	0.09	0.63	1.79	3.43	4.10	5.32	5.33	4.18	3.41	1.66	0.88	0.39	31.21
Wetlands Large						2.69	8.42	7.61	3.21	0.01			21.95
St Dev						0.32	0.56	0.78	1.96	0.07			2.51
Net ET						2.34	7.85	6.85	2.50				19.54
Wetlands Narrow						3.47	11.91	10.88	4.59	0.02			30.86
St Dev						0.43	0.81	1.11	2.80	0.10			3.57
Net ET						3.12	11.34	10.11	3.87				28.45
ETr	0.78	1.24	2.76	5.58	6.55	9.07	9.45	7.45	6.10	3.36	1.74	0.94	55.03
St Dev	0.22	0.27	0.55	0.61	0.51	0.59	0.53	0.30	0.43	0.47	0.31	0.20	2.55

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CASTLE VALLEY

Aridity Index: 46%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.65, Long: -109.4, Elev: 4725 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.65	36.68	45.56	53.34	63.14	73.21	79.60	76.80	67.58	55.15	41.41	31.16	54.44
St Dev	5.12	3.89	3.15	3.64	2.97	2.89	2.18	2.11	2.46	2.72	2.75	3.77	1.28
Precip (in)	0.84	0.88	1.24	0.85	0.94	0.43	0.68	0.77	0.86	1.36	0.98	1.05	10.87
St Dev	0.66	0.75	0.92	0.71	0.83	0.49	0.63	0.59	0.82	1.19	0.89	1.22	2.95
Aridity Adj. (F)	0.92	0.87	1.24	1.70	2.53	3.13	2.62	2.58	2.62	2.39	1.66	1.10	1.95
Est. Dewpoint (F)	20.18	24.07	28.65	29.47	37.91	41.89	50.85	52.18	42.98	35.34	25.63	20.82	34.16
Rs (langley/day)	238	346	445	566	599	672	575	567	468	365	257	210	442
Wind (mpd)	98	104	142	170	148	128	105	102	101	104	104	101	117
Calc. Wind Limit (mpd)	96	96	132	132	132	128	97	96	96	96	96	96	108
.....Inches.....													
Alfalfa (Beef)			0.14	3.54	6.40	7.82	6.55	6.31	4.61	0.58			35.94
St Dev			0.21	0.72	0.62	1.00	0.31	1.15	0.85	0.63			1.72
Net Irr				2.86	5.65	7.47	6.01	5.70	3.92				31.61
Alfalfa (Dairy)			0.14	3.54	5.85	7.06	6.59	5.91	3.95	0.61			33.64
St Dev			0.21	0.72	0.51	0.44	0.34	0.97	0.67	0.74			1.50
Net Irr				2.86	5.10	6.72	6.04	5.30	3.26				29.27
Corn				0.05	1.41	4.70	8.28	6.25	1.66	0.04			22.38
St Dev				0.08	0.25	1.20	0.63	1.12	1.06	0.11			1.28
Net Irr					0.65	4.35	7.73	5.64	0.97				19.35
Melon				0.04	1.81	5.63	5.66	5.08	2.25				20.47
St Dev				0.07	0.45	0.60	0.26	0.81	0.78				1.04
Net Irr					1.06	5.28	5.11	4.47	1.56				17.49
Other Hay			0.14	3.92	7.49	7.34	3.44	2.29	0.73				25.36
St Dev			0.22	0.79	0.68	0.96	0.28	0.45	0.25				1.32
Net Irr				3.25	6.74	7.00	2.90	1.68	0.04				21.60
Pasture			0.32	2.97	4.92	6.33	5.92	5.30	3.58	1.19	0.04		30.57
St Dev			0.19	0.44	0.44	0.41	0.28	0.82	0.55	0.77	0.12		1.76
Net Irr				2.29	4.17	5.99	5.38	4.69	2.89	0.10			25.50
Spring Grain			0.14	1.60	5.44	9.49	4.63	0.06					21.37
St Dev			0.12	0.45	1.03	0.64	1.59	0.15					0.80
Net Irr				0.92	4.69	9.15	4.09						18.85
Winter Wheat		0.04	0.86	1.91	5.55	9.08	2.53						19.97
St Dev		0.05	0.18	0.42	1.13	0.68	1.52						0.73
Net Irr				1.23	4.80	8.74	1.99						16.75

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CASTLE VALLEY

Aridity Index: 46%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.65, Long: -109.4, Elev: 4725 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.29	2.05	4.65	6.82	5.34	0.84				20.00
St Dev				0.11	0.21	0.41	0.34	1.09	0.29				1.06
Net Irr					1.30	4.31	6.28	4.73	0.15				16.77
Small Fruit				0.12	2.06	6.82	8.61	7.23	2.41				27.25
St Dev				0.09	0.38	0.84	0.42	1.23	0.83				1.39
Net Irr					1.31	6.48	8.07	6.62	1.72				24.19
Turfgrass			0.48	2.66	4.26	5.59	5.22	4.69	3.36	1.30	0.05		27.62
St Dev			0.27	0.31	0.39	0.36	0.24	0.74	0.39	0.78	0.14		1.51
Net Irr				1.99	3.51	5.24	4.68	4.08	2.67	0.21			22.38
Open Water Deep	0.70	0.86	1.56	2.36	3.33	5.08	4.53	4.09	2.94	2.28	1.44	0.77	29.93
St Dev	0.17	0.17	0.28	0.35	0.40	0.51	0.33	0.64	0.29	0.29	0.23	0.16	1.36
Net Evap	0.03	0.15	0.56	1.68	2.58	4.74	3.98	3.48	2.25	1.19	0.65		21.31
Open Water Shallow	0.83	1.52	2.90	4.22	5.15	6.12	5.79	5.65	4.13	2.71	1.37	0.75	41.14
St Dev	0.16	0.19	0.31	0.37	0.36	0.31	0.21	0.88	0.26	0.25	0.18	0.16	1.17
Net Evap	0.16	0.81	1.90	3.54	4.40	5.78	5.25	5.04	3.45	1.62	0.58		32.54
Wetlands Large					1.22	7.19	9.11	8.21	5.65	1.10			32.49
St Dev					0.55	1.14	0.44	1.30	0.84	1.20			2.17
Net ET					0.47	6.85	8.57	7.60	4.96	0.02			28.46
Wetlands Narrow					1.52	10.06	13.01	11.73	8.07	1.57			45.97
St Dev					0.72	1.68	0.63	1.86	1.20	1.72			3.10
Net ET					0.77	9.71	12.47	11.12	7.38	0.49			41.95
ETr	0.84	1.63	3.54	5.57	7.26	9.31	8.71	7.82	5.75	3.61	1.80	0.81	56.63
St Dev	0.27	0.31	0.52	0.60	0.65	0.61	0.41	1.24	0.47	0.45	0.36	0.28	2.19

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CEDAR CITY AP

Aridity Index: 57%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.71, Long: -113.09, Elev: 5586 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.23	34.70	41.36	47.84	56.94	67.08	74.33	72.33	63.34	51.33	39.03	30.55	50.75
St Dev	5.08	3.66	3.27	3.18	3.01	2.77	1.93	1.56	2.58	2.74	3.23	4.23	1.28
Precip (in)	0.90	1.00	1.31	1.02	0.84	0.47	0.91	1.05	0.76	1.29	0.94	0.77	11.26
St Dev	0.76	0.58	0.86	0.65	0.57	0.52	0.78	0.98	0.75	0.92	0.74	0.44	2.50
Aridity Adj. (F)	1.14	1.08	1.54	2.11	3.14	3.88	3.25	3.19	3.25	2.96	2.05	1.37	2.41
Est. Dewpoint (F)	22.16	22.87	23.31	24.17	29.86	33.15	43.45	44.58	35.76	29.66	21.83	20.72	29.29
Rs (langley/day)	230	305	420	528	585	652	575	564	476	361	242	203	428
Wind (mpd)	111	112	144	166	126	127	96	106	107	105	106	118	119
Calc. Wind Limit (mpd)	100	105	132	132	126	126	96	105	101	108	105	105	112
.....Inches.....													
Alfalfa (Beef)				2.34	6.56	7.20	7.28	7.18	3.06	0.43			34.05
St Dev				0.46	0.81	0.42	0.61	0.60	1.55	0.86			2.56
Net Irr				1.53	5.88	6.83	6.56	6.34	2.45				29.58
Alfalfa (Dairy)				2.34	6.38	7.22	6.63	6.17	3.02	0.34			32.10
St Dev				0.46	0.70	0.50	0.31	0.31	1.35	0.71			2.21
Net Irr				1.53	5.71	6.85	5.90	5.33	2.41				27.72
Barley				0.93	4.13	9.37	6.78	0.37					21.58
St Dev				0.19	0.91	0.84	1.23	0.53					0.68
Net Irr				0.12	3.45	9.00	6.05						18.62
Corn					0.48	2.63	7.19	7.98	3.55	0.27			22.10
St Dev					0.08	0.45	0.76	0.28	1.31	0.54			1.71
Net Irr						2.26	6.47	7.14	2.94				18.80
Other Hay				2.58	7.33	8.82	4.01	2.69	1.16	0.01			26.60
St Dev				0.48	0.77	0.57	0.40	0.14	0.23	0.02			1.35
Net Irr				1.76	6.66	8.45	3.28	1.85	0.55				22.55
Pasture				1.60	4.78	6.38	6.04	5.63	3.39	0.61			28.44
St Dev				0.22	0.48	0.39	0.26	0.25	0.94	0.76			1.87
Net Irr				0.79	4.10	6.01	5.32	4.79	2.78				23.79
Spring Grain				0.92	3.89	9.24	7.62	1.02					22.69
St Dev				0.18	0.86	0.90	0.94	0.84					0.68
Net Irr				0.10	3.22	8.86	6.89	0.18					19.26

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CEDAR CITY AP

Aridity Index: 57%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.71, Long: -113.09, Elev: 5586 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.60	2.77	4.68	6.69	2.52	0.04			17.29
St Dev					0.09	0.17	0.21	0.30	1.20	0.13			1.53
Net Irr						2.39	3.95	5.85	1.91				14.10
Turfgrass				1.90	3.96	5.63	5.33	5.00	3.32	0.70			25.86
St Dev				0.24	0.40	0.35	0.23	0.21	0.73	0.82			1.64
Net Irr				1.09	3.29	5.26	4.61	4.16	2.71				21.11
Open Water Deep	0.90	1.10	1.86	2.38	3.30	5.07	4.71	4.97	3.52	2.81	1.89	1.07	33.59
St Dev	0.21	0.22	0.35	0.34	0.43	0.47	0.32	0.28	0.31	0.36	0.31	0.22	1.67
Net Evap	0.19	0.30	0.81	1.56	2.63	4.70	3.98	4.13	2.91	1.77	1.14	0.45	24.58
Open Water Shallow	0.96	1.51	2.89	3.95	4.96	5.87	5.75	5.61	4.29	2.84	1.51	0.89	41.03
St Dev	0.17	0.22	0.36	0.34	0.37	0.28	0.19	0.19	0.24	0.27	0.21	0.15	1.31
Net Evap	0.24	0.71	1.84	3.13	4.29	5.50	5.02	4.77	3.67	1.81	0.76	0.28	32.02
Wetlands Large					0.12	4.90	8.91	8.75	4.88	0.60			28.17
St Dev					0.05	0.50	0.41	0.38	1.87	1.13			2.77
Net ET						4.52	8.18	7.91	4.27				24.89
Wetlands Narrow					0.13	6.57	12.71	12.51	6.98	0.86			39.75
St Dev					0.05	0.70	0.60	0.54	2.67	1.61			3.95
Net ET						6.19	11.98	11.67	6.36				36.21
ETr	1.17	1.92	3.94	5.53	7.32	9.39	8.89	8.34	6.34	4.27	2.40	1.27	60.76
St Dev	0.32	0.41	0.67	0.61	0.72	0.58	0.39	0.36	0.46	0.54	0.46	0.33	2.63

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CEDAR POINT

Aridity Index: 53%, Temp. Adj. (F): -8, Period: 1971-2008, Lat: 37.72, Long: -109.08, Elev: 6760 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.10	29.96	36.95	44.63	53.91	64.04	70.26	67.97	59.99	48.77	36.13	27.49	47.18
St Dev	4.32	3.51	3.36	3.04	2.62	2.82	1.98	1.77	2.15	2.57	3.30	3.54	1.30
Precip (in)	1.51	1.41	1.35	1.08	0.99	0.45	1.25	1.31	1.65	2.06	1.42	1.24	15.73
St Dev	1.34	1.14	1.02	0.82	0.78	0.50	0.84	0.92	1.11	1.68	1.03	1.06	3.53
Aridity Adj. (F)	1.06	1.01	1.43	1.96	2.92	3.60	3.02	2.97	3.02	2.76	1.91	1.27	2.24
Est. Dewpoint (F)	14.02	14.29	16.89	21.09	27.85	35.48	42.86	42.45	35.84	27.51	20.15	15.05	26.12
Rs (langley/day)	239	356	476	573	621	704	610	568	486	367	254	208	455
Wind (mpd)	162	163	196	221	196	171	134	137	144	161	160	162	167
Calc. Wind Limit (mpd)	113	120	120	120	120	120	120	120	120	120	120	120	119
.....Inches.....													
Alfalfa (Beef)					3.59	6.94	6.14	5.12	2.49	0.02			24.28
St Dev					0.53	0.59	0.69	0.45	1.31	0.06			2.28
Net Irr					2.79	6.58	5.13	4.07	1.17				19.73
Alfalfa (Dairy)					3.59	6.50	6.01	5.14	1.80	0.03			23.06
St Dev					0.53	0.38	0.50	0.43	1.08	0.10			1.87
Net Irr					2.79	6.14	5.01	4.08	0.48				18.51
Other Hay					4.09	7.81	6.49	2.72	1.31	0.13			22.55
St Dev					0.47	0.65	0.53	0.19	0.33	0.18			1.55
Net Irr					3.30	7.45	5.48	1.67					17.90
Pasture					2.55	5.06	5.37	4.69	2.67	0.31			20.66
St Dev					0.30	0.42	0.43	0.34	0.87	0.49			1.73
Net Irr					1.76	4.70	4.37	3.64	1.35				15.82
Spring Grain					1.38	4.68	8.00	6.34	1.39	0.01			21.79
St Dev					0.30	1.01	0.73	0.64	0.79	0.03			1.27
Net Irr					0.58	4.32	6.99	5.29	0.07				17.25

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CEDAR POINT

Aridity Index: 53%, Temp. Adj. (F): -8, Period: 1971-2008, Lat: 37.72, Long: -109.08, Elev: 6760 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.79	3.27	4.91	1.61				11.58
St Dev						0.15	0.27	0.43	1.09				1.41
Net Irr						1.43	2.26	3.86	0.29				7.85
Turfgrass					2.64	4.28	4.74	4.15	2.60	0.37			18.79
St Dev					0.30	0.35	0.38	0.30	0.73	0.54			1.55
Net Irr					1.85	3.93	3.74	3.10	1.28				13.89
Open Water Deep	0.69	0.83	1.06	1.32	1.95	2.76	3.39	3.35	2.38	2.07	1.26	0.78	21.85
St Dev	0.14	0.13	0.22	0.22	0.29	0.33	0.37	0.32	0.27	0.31	0.24	0.15	1.63
Net Evap				0.46	1.16	2.40	2.39	2.30	1.06	0.43	0.12		10.31
Open Water Shallow	0.79	1.38	2.57	3.53	4.48	5.39	5.38	4.97	3.77	2.45	1.18	0.70	36.60
St Dev	0.13	0.16	0.33	0.35	0.37	0.33	0.31	0.26	0.26	0.27	0.18	0.12	1.75
Net Evap		0.25	1.49	2.66	3.68	5.04	4.38	3.92	2.45	0.81	0.05		24.72
Wetlands Large						2.16	6.96	7.25	3.17	0.06			19.61
St Dev						0.45	0.77	0.52	1.43	0.21			2.26
Net ET						1.81	5.96	6.20	1.85				15.81
Wetlands Narrow						2.78	9.83	10.36	4.53	0.09			27.59
St Dev						0.60	1.11	0.74	2.04	0.31			3.21
Net ET						2.43	8.83	9.30	3.21				23.77
ETr	0.86	1.52	2.91	4.26	5.86	7.52	7.90	6.92	5.07	3.25	1.52	0.84	48.43
St Dev	0.22	0.24	0.50	0.53	0.64	0.62	0.64	0.50	0.47	0.50	0.35	0.23	3.20

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CIRCLEVILLE

Aridity Index: 44%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.17, Long: -112.28, Elev: 6050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.88	32.61	38.73	45.46	54.41	63.96	70.61	68.26	59.79	48.70	36.93	28.84	48.02
St Dev	4.31	3.02	3.28	3.36	2.76	2.82	2.09	1.63	2.06	2.50	2.99	3.25	1.25
Precip (in)	0.58	0.56	0.76	0.61	0.83	0.56	0.92	1.36	0.97	0.98	0.52	0.52	9.16
St Dev	0.52	0.45	0.55	0.48	0.65	0.59	0.64	0.91	0.81	0.82	0.41	0.43	2.35
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	18.31	19.78	17.54	19.02	26.24	30.89	39.45	38.26	31.86	24.61	19.04	16.11	25.09
Rs (langley/day)	225	335	434	560	562	675	567	543	466	370	243	213	433
Wind (mpd)	109	111	161	188	157	141	111	113	108	123	117	120	130
Calc. Wind Limit (mpd)	109	106	132	132	132	132	109	113	105	111	100	103	115
.....Inches.....													
Alfalfa (Beef)					2.73	8.09	6.69	5.35	1.58				24.43
St Dev					0.37	0.56	0.49	0.82	1.52				2.43
Net Irr					2.07	7.64	5.95	4.26	0.80				20.72
Alfalfa (Dairy)					2.73	7.36	6.54	5.41	1.03				23.07
St Dev					0.37	0.43	0.39	1.11	1.03				1.98
Net Irr					2.07	6.91	5.80	4.33	0.26				19.36
Barley					1.12	5.92	8.82	5.21	0.24				21.30
St Dev					0.21	1.01	0.47	1.30	0.37				0.89
Net Irr					0.46	5.47	8.08	4.13					18.13
Other Hay					2.83	8.80	8.34	3.71	1.11	0.01			24.79
St Dev					0.32	0.60	0.46	0.22	0.52	0.05			1.16
Net Irr					2.16	8.35	7.60	2.62	0.33				21.07
Pasture					1.71	5.69	5.86	5.34	1.84	0.02			20.47
St Dev					0.19	0.39	0.32	0.36	0.98	0.08			1.38
Net Irr					1.05	5.24	5.13	4.25	1.07				16.74
Potato						1.28	4.24	5.94	1.65				13.11
St Dev						0.12	0.59	0.55	1.19				1.75
Net Irr						0.83	3.51	4.85	0.88				10.06
Spring Grain					1.09	5.58	8.79	6.14	0.52				22.12
St Dev					0.20	0.98	0.49	1.14	0.58				1.20
Net Irr					0.43	5.13	8.05	5.06					18.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CIRCLEVILLE

Aridity Index: 44%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.17, Long: -112.28, Elev: 6050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.57	3.10	5.16	1.26				11.09
St Dev						0.11	0.17	0.30	1.04				1.23
Net Irr						1.12	2.36	4.07	0.49				8.04
Turfgrass					2.11	4.69	5.17	4.77	1.92	0.02			18.69
St Dev					0.23	0.32	0.28	0.29	0.93	0.10			1.22
Net Irr					1.45	4.24	4.44	3.68	1.15				14.96
Open Water Deep	0.72	0.81	1.57	2.02	2.84	4.17	4.20	4.39	2.85	2.51	1.41	0.89	28.36
St Dev	0.17	0.16	0.29	0.29	0.34	0.43	0.33	0.27	0.23	0.32	0.23	0.16	1.39
Net Evap	0.26	0.36	0.96	1.54	2.18	3.71	3.47	3.30	2.07	1.72	0.99	0.47	21.03
Open Water Shallow	0.78	1.39	2.68	3.80	4.51	5.62	5.39	5.13	3.87	2.67	1.30	0.82	37.97
St Dev	0.14	0.18	0.32	0.33	0.30	0.29	0.21	0.20	0.20	0.25	0.17	0.13	1.11
Net Evap	0.32	0.95	2.08	3.32	3.85	5.17	4.65	4.05	3.09	1.88	0.88	0.40	30.64
Wetlands Large						1.87	7.09	7.78	2.03				18.78
St Dev						0.15	0.39	1.19	1.77				2.74
Net ET						1.42	6.36	6.69	1.26				15.73
Wetlands Narrow						2.36	9.97	11.11	2.90				26.34
St Dev						0.19	0.55	1.70	2.54				3.91
Net ET						1.91	9.23	10.02	2.13				23.29
ETr	1.01	1.68	3.72	5.30	6.82	8.87	8.62	7.97	5.88	4.19	2.08	1.23	57.37
St Dev	0.35	0.38	0.63	0.61	0.62	0.61	0.47	0.45	0.42	0.57	0.40	0.32	2.34

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COALVILLE

Aridity Index: 47%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 40.91, Long: -111.4, Elev: 5550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.05	28.30	37.32	44.42	52.45	60.32	67.12	65.40	56.84	46.75	34.36	25.07	45.20
St Dev	4.87	4.12	2.96	2.88	2.10	2.18	2.49	2.26	2.09	2.08	3.20	3.76	1.33
Precip (in)	1.30	1.23	1.59	1.73	1.89	1.13	0.95	1.03	1.34	1.62	1.66	1.34	16.82
St Dev	0.95	0.63	0.66	0.90	0.95	0.95	0.66	0.91	1.12	0.99	0.87	0.98	3.76
Aridity Adj. (F)	0.94	0.89	1.27	1.74	2.59	3.20	2.68	2.63	2.68	2.44	1.69	1.13	1.99
Est. Dewpoint (F)	15.74	17.80	20.55	21.74	26.85	32.29	36.70	35.58	28.80	23.29	19.11	15.44	24.49
Rs (langley/day)	181	255	375	495	574	608	613	559	480	321	211	159	403
Wind (mpd)	55	55	77	92	90	78	71	76	70	70	70	58	72
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				0.15	4.17	6.26	6.26	3.66	0.60				21.10
St Dev				0.06	0.48	0.43	1.10	1.57	0.83				3.09
Net Irr					2.65	5.35	5.50	2.83					16.34
Alfalfa (Dairy)				0.15	4.17	5.51	5.91	4.18	0.35				20.26
St Dev				0.06	0.48	0.40	0.40	1.83	0.55				2.42
Net Irr					2.65	4.60	5.15	3.35					15.75
Barley				0.08	1.82	5.47	8.04	3.73	0.05				19.19
St Dev				0.03	0.33	0.83	0.51	1.51	0.11				1.69
Net Irr					0.31	4.56	7.28	2.90					15.05
Other Hay				0.14	4.68	7.23	5.98	2.73	0.77				21.54
St Dev				0.06	0.43	0.63	0.41	0.23	0.44				1.26
Net Irr					3.17	6.33	5.22	1.90					16.62
Pasture				0.10	2.93	4.70	5.33	4.70	1.41				19.18
St Dev				0.04	0.27	0.41	0.35	0.52	0.88				1.44
Net Irr					1.42	3.79	4.57	3.87	0.33				13.99
Spring Grain				0.08	1.75	5.21	8.05	4.49	0.17				19.75
St Dev				0.03	0.31	0.85	0.53	1.71	0.26				2.05
Net Irr					0.24	4.30	7.29	3.66					15.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COALVILLE

Aridity Index: 47%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 40.91, Long: -111.4, Elev: 5550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.17	2.77	4.66	0.45				9.04
St Dev						0.10	0.19	0.26	0.60				0.80
Net Irr						0.27	2.01	3.83					6.10
Turfgrass				0.18	2.87	4.02	4.71	4.25	1.51				17.54
St Dev				0.06	0.25	0.35	0.31	0.39	0.89				1.27
Net Irr					1.35	3.11	3.95	3.42	0.44				12.27
Open Water Deep	0.38	0.39	0.86	1.39	1.95	2.18	2.74	3.08	1.99	1.68	0.97	0.46	18.07
St Dev	0.06	0.07	0.16	0.23	0.22	0.25	0.28	0.23	0.18	0.20	0.17	0.09	1.05
Net Evap				0.01	0.44	1.28	1.98	2.25	0.91	0.38			7.26
Open Water Shallow	0.59	0.99	2.22	3.34	4.37	4.75	5.35	4.97	3.72	2.27	1.06	0.55	34.18
St Dev	0.08	0.12	0.25	0.34	0.29	0.31	0.27	0.20	0.21	0.22	0.16	0.09	1.25
Net Evap			0.95	1.96	2.85	3.84	4.59	4.14	2.65	0.98			21.96
Wetlands Large						1.21	6.14	6.12	0.89				14.36
St Dev						0.17	0.48	2.32	1.13				3.20
Net ET						0.30	5.38	5.29					10.97
Wetlands Narrow						1.50	8.59	8.74	1.27				20.11
St Dev						0.22	0.68	3.31	1.61				4.57
Net ET						0.60	7.83	7.91	0.20				16.54
ETr	0.69	1.14	2.82	4.53	6.16	6.94	7.84	7.28	5.22	3.40	1.53	0.70	48.27
St Dev	0.13	0.18	0.41	0.59	0.53	0.61	0.52	0.38	0.41	0.45	0.34	0.18	2.34

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COALVILLE 13 E

Aridity Index: 58%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.94, Long: -111.15, Elev: 6510 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.09	24.65	32.64	40.62	49.00	56.71	63.79	62.48	53.82	43.87	31.34	22.81	41.99
St Dev	4.51	3.52	3.65	3.32	2.46	2.33	1.97	2.34	2.33	2.51	3.61	4.07	1.47
Precip (in)	1.07	1.04	1.25	1.65	1.87	1.06	0.87	0.96	1.40	1.48	1.52	1.16	15.33
St Dev	0.61	0.66	0.56	0.86	1.05	1.00	0.62	0.77	1.09	0.98	0.89	0.84	3.45
Aridity Adj. (F)	1.16	1.10	1.57	2.15	3.19	3.94	3.31	3.25	3.31	3.02	2.09	1.39	2.46
Est. Dewpoint (F)	10.97	11.00	14.81	17.93	22.93	27.20	31.83	32.00	25.09	20.03	13.86	10.33	19.83
Rs (langley/day)	179	257	369	508	589	624	630	542	486	327	215	165	408
Wind (mpd)	70	69	93	108	107	95	88	94	87	85	89	73	88
Calc. Wind Limit (mpd)	96	96	96	105	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					2.09	6.11	5.96	4.07	0.38				18.61
St Dev					0.27	0.62	0.75	2.46	0.53				3.48
Net Irr					0.59	5.26	5.27	3.30					14.42
Alfalfa (Dairy)					2.09	6.08	5.92	3.36	0.50				17.96
St Dev					0.27	0.59	0.92	2.11	0.75				3.38
Net Irr					0.59	5.23	5.22	2.60					13.64
Other Hay					2.27	6.86	7.93	3.34	0.67	0.01			21.07
St Dev					0.26	0.56	0.42	0.58	0.57	0.03			1.43
Net Irr					0.78	6.01	7.23	2.58					16.59
Pasture					1.38	4.43	5.52	4.57	1.07	0.01			16.97
St Dev					0.16	0.36	0.29	0.95	1.01	0.04			1.87
Net Irr						3.58	4.83	3.80					12.21
Spring Grain					0.83	3.46	7.84	5.49	0.61				18.23
St Dev					0.13	0.62	0.62	2.60	0.83				3.57
Net Irr						2.61	7.15	4.72					14.48

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COALVILLE 13 E

Aridity Index: 58%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.94, Long: -111.15, Elev: 6510 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.95	2.65	4.39	1.07				9.06
St Dev						0.08	0.14	0.21	0.69				0.78
Net Irr						0.10	1.96	3.63					5.68
Turfgrass					1.73	3.65	4.88	4.14	1.13	0.01			15.55
St Dev					0.19	0.30	0.25	0.79	0.99	0.06			1.68
Net Irr					0.24	2.80	4.18	3.38	0.01				10.61
Open Water Deep	0.57	0.55	0.95	1.43	1.88	2.45	3.21	3.51	2.31	1.88	1.24	0.65	20.62
St Dev	0.09	0.07	0.17	0.22	0.22	0.26	0.24	0.24	0.19	0.22	0.21	0.11	1.11
Net Evap				0.11	0.39	1.60	2.52	2.74	1.19	0.69	0.02		9.26
Open Water Shallow	0.67	1.02	2.10	3.29	4.30	4.76	5.43	4.84	3.73	2.28	1.12	0.64	34.18
St Dev	0.09	0.11	0.24	0.32	0.32	0.30	0.22	0.17	0.19	0.21	0.15	0.09	1.23
Net Evap		0.19	1.10	1.97	2.81	3.91	4.74	4.07	2.61	1.09			22.48
Wetlands Large						0.76	5.65	5.99	0.89				13.29
St Dev						0.20	0.58	2.31	1.21				3.29
Net ET							4.95	5.22					10.17
Wetlands Narrow						0.91	7.83	8.55	1.28				18.56
St Dev						0.24	0.86	3.30	1.72				4.69
Net ET						0.06	7.13	7.78	0.16				15.13
ETr	0.94	1.35	2.71	4.29	5.82	6.96	8.13	7.36	5.36	3.45	1.77	0.97	49.12
St Dev	0.17	0.18	0.38	0.51	0.53	0.57	0.42	0.33	0.35	0.42	0.32	0.18	2.19

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CORINNE

Aridity Index: 41%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.55, Long: -112.11, Elev: 4230 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.91	30.13	39.98	48.23	57.49	66.26	74.19	72.62	62.40	50.30	37.43	27.86	49.40
St Dev	6.14	6.24	4.57	3.33	2.95	3.06	3.22	2.56	2.90	2.51	3.20	4.23	1.88
Precip (in)	1.70	1.62	1.72	1.77	2.19	1.19	0.72	0.82	1.40	1.70	1.40	1.60	17.83
St Dev	1.02	0.99	0.96	1.17	1.52	1.14	0.80	0.94	1.38	1.09	0.77	1.04	5.17
Aridity Adj. (F)	0.82	0.78	1.11	1.52	2.26	2.79	2.34	2.30	2.34	2.13	1.48	0.98	1.74
Est. Dewpoint (F)	20.52	21.91	24.56	26.73	31.65	37.28	41.65	41.47	35.28	30.00	24.87	20.46	29.70
Rs (langley/day)	180	278	391	497	604	682	671	611	462	320	198	149	420
Wind (mpd)	96	114	135	142	128	120	98	100	93	106	94	94	110
Calc. Wind Limit (mpd)	96	96	106	117	107	96	96	96	96	96	96	96	100
.....Inches.....													
Alfalfa (Beef)				1.49	5.68	6.21	7.91	7.30	3.26	0.24			32.08
St Dev				0.82	0.80	0.51	0.72	0.66	1.05	0.49			2.71
Net Irr				0.07	3.93	5.25	7.33	6.64	2.13				25.37
Alfalfa (Dairy)				1.49	5.57	6.07	7.09	6.39	3.34	0.18			30.13
St Dev				0.82	0.69	0.54	0.48	0.38	0.85	0.38			2.43
Net Irr				0.07	3.83	5.12	6.51	5.73	2.22				23.48
Apples / Cherries				0.21	4.12	7.95	9.89	8.92	5.28	0.96			37.34
St Dev				0.11	0.53	0.72	0.66	0.46	0.74	0.84			2.54
Net Irr					2.37	7.00	9.32	8.27	4.15				31.11
Barley				0.75	3.61	7.85	7.61	0.73					20.55
St Dev				0.37	1.04	0.97	1.32	0.97					0.70
Net Irr					1.86	6.89	7.04	0.07					15.86
Corn					0.67	2.36	7.49	8.16	3.80	0.16			22.64
St Dev					0.29	0.68	1.49	0.40	0.84	0.30			2.23
Net Irr						1.41	6.91	7.50	2.68				18.50
Onion					2.30	5.06	9.29	8.09	2.48				27.21
St Dev					0.48	0.63	0.73	1.29	1.17				2.91
Net Irr					0.55	4.10	8.72	7.43	1.36				22.16
Other Hay				1.59	6.30	7.79	5.09	2.93	1.29	0.06			25.04
St Dev				0.90	0.83	0.68	1.00	0.20	0.23	0.09			1.51
Net Irr				0.18	4.55	6.83	4.51	2.27	0.17				18.52
Other Orchard				0.21	3.88	7.47	9.13	8.24	4.79	0.89			34.61
St Dev				0.11	0.50	0.67	0.61	0.43	0.66	0.79			2.35
Net Irr					2.13	6.52	8.56	7.58	3.67				28.45
Pasture			0.02	1.57	4.33	5.41	6.47	5.82	3.46	0.65			27.73
St Dev			0.04	0.66	0.48	0.45	0.43	0.30	0.65	0.65			2.28
Net Irr				0.16	2.58	4.46	5.90	5.16	2.33				20.59
Safflower					1.38	7.51	9.51	8.32	3.65	0.40			30.77
St Dev					0.94	1.04	0.63	0.47	0.96	0.40			2.85
Net Irr						6.55	8.94	7.67	2.53				25.69
Sorghum					0.84	3.60	8.01	7.72	3.35				23.53
St Dev					0.37	0.86	0.79	0.40	0.81				1.74
Net Irr						2.64	7.44	7.07	2.23				19.38
Spring Grain				0.74	3.41	7.71	8.44	1.52	0.01				21.82
St Dev				0.35	0.99	1.03	0.97	1.35	0.02				0.72
Net Irr					1.66	6.75	7.87	0.86					17.15
Winter Wheat			0.45	1.32	3.58	7.74	6.55	0.52					20.16
St Dev			0.22	0.26	1.05	1.04	1.62	0.68					0.65
Net Irr					1.83	6.79	5.98						14.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CORINNE

Aridity Index: 41%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.55, Long: -112.11, Elev: 4230 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.25	2.99	6.31	6.67	1.82				19.04
St Dev					0.25	0.38	0.66	0.92	0.75				1.93
Net Irr						2.04	5.73	6.02	0.70				14.48
Turfgrass			0.03	1.74	3.64	4.77	5.71	5.15	3.32	0.75			25.11
St Dev			0.07	0.57	0.41	0.40	0.38	0.27	0.49	0.68			2.03
Net Irr				0.33	1.89	3.82	5.13	4.49	2.20				17.86
Open Water Deep	0.48	0.56	1.12	1.83	2.65	3.25	4.77	4.87	3.04	2.27	1.20	0.63	26.66
St Dev	0.11	0.14	0.24	0.31	0.33	0.40	0.53	0.41	0.34	0.30	0.21	0.11	1.98
Net Evap				0.42	0.90	2.29	4.19	4.21	1.92	0.91	0.09		14.93
Open Water Shallow	0.48	1.00	2.35	3.53	4.85	5.61	6.35	5.87	3.97	2.36	1.00	0.46	37.82
St Dev	0.10	0.17	0.33	0.36	0.36	0.38	0.35	0.25	0.27	0.24	0.15	0.09	1.76
Net Evap			0.97	2.12	3.10	4.65	5.78	5.21	2.85	1.00			25.68
Wetlands Large					0.16	3.96	9.33	9.01	5.26	0.36			28.08
St Dev					0.25	1.22	0.97	0.47	1.14	0.59			3.27
Net ET						3.01	8.76	8.35	4.14				24.26
Wetlands Narrow					0.19	5.32	13.29	12.87	7.51	0.51			39.69
St Dev					0.30	1.74	1.42	0.67	1.63	0.84			4.66
Net ET						4.36	12.72	12.21	6.39				35.69
ETr	0.38	1.00	2.84	4.73	6.67	7.96	9.51	8.58	5.78	3.50	1.37	0.52	52.86
St Dev	0.18	0.25	0.50	0.61	0.61	0.67	0.63	0.45	0.49	0.49	0.30	0.19	3.09

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COTTONWOOD WEIR

Aridity Index: 66%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.62, Long: -111.79, Elev: 4960 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.25	35.46	43.60	50.97	60.18	70.38	78.96	77.05	66.77	54.47	40.64	31.37	53.34
St Dev	4.75	4.05	3.44	3.86	2.99	3.10	2.46	1.93	2.86	3.29	3.79	3.59	1.49
Precip (in)	2.03	2.22	2.97	3.14	2.86	1.31	0.96	1.08	2.04	2.61	2.43	2.18	25.83
St Dev	1.06	1.19	1.31	1.51	1.85	1.06	0.88	0.86	2.03	1.57	1.30	1.20	6.14
Aridity Adj. (F)	1.32	1.25	1.78	2.44	3.63	4.49	3.76	3.70	3.76	3.43	2.38	1.58	2.79
Est. Dewpoint (F)	21.83	24.76	27.83	30.61	36.16	41.98	48.87	49.05	42.57	36.44	28.59	23.02	34.31
Rs (langley/day)	173	261	391	488	603	680	659	569	472	322	207	159	415
Wind (mpd)	69	74	96	106	94	86	79	86	75	75	72	71	82
Calc. Wind Limit (mpd)	96	96	102	112	96	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				2.55	5.90	6.61	6.85	6.62	4.43	1.29	0.06		34.31
St Dev				0.65	0.36	0.72	0.34	0.47	0.77	0.92	0.17		1.90
Net Irr				0.04	3.61	5.57	6.08	5.76	2.80				23.85
Alfalfa (Dairy)				2.55	5.37	6.14	6.79	6.06	3.84	1.32	0.05		32.14
St Dev				0.65	0.33	0.33	0.29	0.21	0.64	0.91	0.15		1.75
Net Irr				0.04	3.08	5.09	6.03	5.20	2.21				21.66
Apples / Cherries				1.49	5.58	8.36	9.34	8.17	4.52	1.76			39.22
St Dev				0.44	0.58	0.49	0.36	0.24	0.26	0.31			1.36
Net Irr					3.29	7.31	8.57	7.31	2.88				29.37
Barley			0.03	1.31	5.15	8.12	3.30						17.91
St Dev			0.05	0.41	0.94	0.47	1.57						0.56
Net Irr					2.86	7.08	2.53						12.47
Corn					1.01	3.40	8.38	6.01	0.93	0.01			19.74
St Dev					0.21	0.92	0.58	1.03	0.87	0.05			0.91
Net Irr						2.36	7.61	5.15					15.12
Other Hay				2.67	6.75	7.22	3.87	2.52	0.96				24.00
St Dev				0.65	0.48	0.55	0.34	0.12	0.18				0.86
Net Irr				0.16	4.46	6.18	3.11	1.66					15.56
Other Orchard				1.39	5.33	7.72	8.63	7.51	4.09	1.74			36.41
St Dev				0.41	0.55	0.44	0.33	0.22	0.23	0.30			1.27
Net Irr					3.04	6.68	7.86	6.65	2.46				26.68
Pasture			0.11	2.27	4.49	5.47	6.11	5.46	3.60	1.77	0.20		29.49
St Dev			0.12	0.38	0.29	0.31	0.24	0.17	0.19	0.40	0.26		1.39
Net Irr					2.20	4.43	5.34	4.60	1.97				18.53
Spring Grain			0.03	1.26	4.91	8.20	4.50	0.05					18.95
St Dev			0.05	0.38	0.95	0.49	1.59	0.13					0.56
Net Irr					2.62	7.16	3.73						13.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COTTONWOOD WEIR

Aridity Index: 66%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.62, Long: -111.79, Elev: 4960 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.13	1.77	3.76	6.81	5.79	1.16				19.42
St Dev				0.14	0.21	0.45	0.44	0.33	0.39				0.58
Net Irr						2.72	6.04	4.93					13.69
Turfgrass			0.18	2.23	3.83	4.83	5.39	4.82	3.22	1.79	0.24		26.52
St Dev			0.18	0.27	0.27	0.27	0.21	0.15	0.15	0.32	0.28		1.19
Net Irr					1.54	3.78	4.62	3.96	1.59				15.49
Open Water Deep	0.75	0.85	1.46	2.05	2.66	3.53	4.61	5.00	2.80	2.11	1.21	0.78	27.82
St Dev	0.12	0.14	0.19	0.29	0.27	0.35	0.33	0.27	0.22	0.25	0.19	0.11	1.26
Net Evap					0.37	2.48	3.84	4.14	1.17	0.02			12.03
Open Water Shallow	0.80	1.33	2.73	3.78	5.08	5.93	6.54	5.86	4.25	2.55	1.20	0.72	40.76
St Dev	0.10	0.16	0.21	0.29	0.28	0.29	0.23	0.17	0.18	0.20	0.14	0.08	1.12
Net Evap			0.35	1.28	2.80	4.88	5.77	5.00	2.61	0.47			23.15
Wetlands Large					0.57	5.34	9.30	8.43	5.47	2.14	0.11		31.38
St Dev					0.34	0.82	0.40	0.26	0.56	1.27	0.26		2.44
Net ET						4.30	8.54	7.57	3.84	0.06			24.31
Wetlands Narrow					0.68	7.37	13.29	12.05	7.82	3.06	0.15		44.42
St Dev					0.43	1.22	0.57	0.37	0.81	1.82	0.38		3.48
Net ET						6.33	12.52	11.19	6.19	0.98			37.19
ETr	0.94	1.54	3.33	4.90	6.66	8.05	8.98	8.03	5.36	3.19	1.46	0.85	53.30
St Dev	0.13	0.21	0.30	0.44	0.43	0.46	0.35	0.25	0.24	0.27	0.19	0.12	1.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CUTLER DAM UP&L

Aridity Index: 11%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.83, Long: -112.06, Elev: 4290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.62	29.81	40.96	49.35	58.38	67.18	75.59	73.88	63.15	51.21	37.95	27.06	50.01
St Dev	6.03	5.59	4.42	3.43	2.82	2.85	3.12	2.35	3.33	3.06	3.57	4.37	1.91
Precip (in)	1.71	1.52	1.64	1.81	2.30	1.07	0.73	0.79	1.30	1.67	1.38	1.49	17.40
St Dev	1.22	0.94	0.98	1.25	1.44	0.79	0.78	0.84	1.26	1.23	0.87	1.14	5.64
Aridity Adj. (F)	0.22	0.21	0.30	0.41	0.61	0.75	0.63	0.62	0.63	0.57	0.40	0.26	0.47
Est. Dewpoint (F)	24.40	26.87	30.67	32.27	40.00	47.04	49.59	47.00	40.22	35.44	29.39	23.45	35.53
Rs (langleys/day)	160	287	381	452	539	649	667	590	474	319	175	128	402
Wind (mpd)	84	79	109	128	110	101	99	99	96	92	87	82	97
Calc. Wind Limit (mpd)	96	96	103	121	101	96	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)				1.35	5.05	5.62	7.35	7.24	4.09	1.05	0.01		31.76
St Dev				0.69	0.62	0.61	0.57	0.65	0.97	0.79	0.05		2.45
Net Irr					3.21	4.76	6.77	6.61	3.05				24.40
Alfalfa (Dairy)				1.35	4.85	5.57	6.86	6.21	3.87	0.92	0.01		29.65
St Dev				0.69	0.53	0.52	0.42	0.31	0.65	0.78	0.05		2.29
Net Irr					3.02	4.72	6.28	5.58	2.84				22.43
Apples / Cherries				0.66	4.12	7.41	9.54	8.59	5.10	1.65	0.01		37.08
St Dev				0.47	0.73	0.75	0.55	0.42	0.49	0.69	0.05		2.49
Net Irr					2.29	6.56	8.96	7.96	4.06	0.31			30.14
Barley				0.72	3.56	7.35	5.75	0.14					17.52
St Dev				0.34	0.91	0.77	1.64	0.27					0.85
Net Irr					1.73	6.50	5.17						13.39
Corn					0.53	2.20	7.58	7.59	3.31	0.44	0.01		21.65
St Dev					0.23	0.65	1.20	0.58	1.22	0.52	0.03		1.49
Net Irr						1.35	6.99	6.96	2.27				17.58
Onion				0.01	2.14	4.82	8.97	8.20	3.09	0.02			27.25
St Dev				0.03	0.56	0.82	0.62	0.40	0.84	0.07			1.81
Net Irr					0.31	3.97	8.39	7.57	2.05				22.29
Other Hay				1.40	5.46	7.14	4.92	2.84	1.31	0.07			23.15
St Dev				0.73	0.69	0.66	0.88	0.19	0.20	0.09			1.43
Net Irr					3.62	6.29	4.34	2.21	0.27				16.73
Other Orchard				0.62	3.92	6.91	8.81	7.91	4.61	1.58	0.01		34.37
St Dev				0.43	0.71	0.67	0.51	0.39	0.44	0.67	0.05		2.31
Net Irr					2.08	6.05	8.23	7.28	3.58	0.24			27.46
Pasture			0.01	1.42	3.76	4.94	6.24	5.65	3.71	1.34	0.04		27.12
St Dev			0.03	0.55	0.42	0.45	0.36	0.29	0.41	0.63	0.10		1.98
Net Irr					1.93	4.09	5.66	5.02	2.68				19.36
Safflower					0.98	6.77	9.17	8.24	4.43	0.91			30.51
St Dev					0.71	0.97	0.53	0.42	0.71	0.46			2.34
Net Irr						5.92	8.59	7.61	3.39				25.52
Sorghum					0.66	3.12	7.64	7.48	3.69	0.01			22.60
St Dev					0.29	0.72	0.67	0.38	0.82	0.05			1.29
Net Irr						2.27	7.06	6.85	2.65				18.83
Spring Grain				0.70	3.37	7.30	6.80	0.47					18.65
St Dev				0.32	0.87	0.81	1.40	0.56					0.93
Net Irr					1.54	6.44	6.22						14.21
Winter Wheat			0.38	1.29	3.75	7.27	4.24	0.09					17.03
St Dev			0.17	0.26	1.00	0.77	1.78	0.17					0.83
Net Irr					1.92	6.42	3.66						11.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CUTLER DAM UP&L

Aridity Index: 11%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.83, Long: -112.06, Elev: 4290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.01	1.18	2.85	6.22	6.56	2.05	0.01			18.86
St Dev				0.02	0.31	0.48	0.71	0.36	0.56	0.03			1.10
Net Irr						1.99	5.64	5.93	1.01				14.57
Turfgrass			0.02	1.59	3.15	4.36	5.50	4.99	3.38	1.41	0.05		24.45
St Dev			0.05	0.47	0.36	0.40	0.32	0.25	0.31	0.61	0.12		1.75
Net Irr				0.14	1.32	3.50	4.92	4.36	2.35	0.07			16.65
Open Water Deep	0.21	0.20	0.79	1.70	2.07	2.70	4.53	4.95	3.09	2.10	0.98	0.38	23.72
St Dev	0.06	0.07	0.19	0.30	0.30	0.36	0.44	0.32	0.35	0.31	0.19	0.08	1.61
Net Evap				0.25	0.23	1.85	3.95	4.32	2.06	0.77			13.42
Open Water Shallow	0.29	0.86	2.20	3.33	4.41	5.40	6.41	5.85	4.12	2.35	0.84	0.30	36.36
St Dev	0.07	0.13	0.29	0.33	0.38	0.40	0.31	0.25	0.28	0.25	0.14	0.07	1.61
Net Evap			0.89	1.88	2.57	4.55	5.83	5.22	3.09	1.01			25.03
Wetlands Large					0.07	3.27	8.83	8.73	5.79	1.69	0.03		28.41
St Dev					0.14	1.02	0.85	0.44	0.76	1.25	0.10		2.97
Net ET						2.42	8.25	8.10	4.75	0.35			23.86
Wetlands Narrow					0.08	4.35	12.56	12.47	8.26	2.41	0.05		40.18
St Dev					0.16	1.43	1.25	0.63	1.09	1.79	0.15		4.24
Net ET						3.50	11.98	11.84	7.23	1.07			35.61
ETr	-0.01	0.54	2.36	4.32	5.78	7.26	9.17	8.31	5.66	3.10	1.00	0.19	47.69
St Dev		0.16	0.40	0.55	0.61	0.66	0.53	0.42	0.48	0.43	0.27	0.14	2.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DEER CREEK DAM

Aridity Index: 79%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.4, Long: -111.53, Elev: 5270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.18	24.73	34.85	43.04	51.27	59.47	66.78	65.18	56.50	46.29	34.49	24.78	44.05
St Dev	5.90	5.70	3.50	3.05	2.11	2.27	2.07	1.85	2.02	2.10	3.20	3.90	1.49
Precip (in)	2.92	2.67	2.30	1.77	1.85	1.05	0.82	1.05	1.56	2.15	2.32	2.54	23.00
St Dev	2.84	2.18	1.58	0.92	1.20	0.79	0.77	0.73	1.28	1.53	1.67	1.73	6.61
Aridity Adj. (F)	1.58	1.50	2.13	2.92	4.35	5.37	4.50	4.42	4.50	4.11	2.84	1.90	3.34
Est. Dewpoint (F)	9.05	9.41	14.50	17.91	22.18	24.92	29.24	29.69	23.83	20.74	16.45	12.95	19.24
Rs (langley/day)	179	268	362	460	573	645	626	577	463	318	230	161	405
Wind (mpd)	56	58	85	94	99	85	73	77	68	74	69	55	74
Calc. Wind Limit (mpd)	96	96	99	112	96	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				0.60	4.49	6.65	6.81	4.98	1.70	0.01			25.23
St Dev				0.42	0.67	0.48	0.61	0.81	1.34	0.04			2.22
Net Irr					3.01	5.80	6.15	4.14	0.45				19.56
Alfalfa (Dairy)				0.60	4.49	5.96	6.25	5.41	1.20	0.01			23.93
St Dev				0.42	0.67	0.37	0.29	0.66	1.18	0.05			1.90
Net Irr					3.01	5.12	5.59	4.57					18.29
Barley				0.34	2.14	6.01	8.45	4.61	0.15				21.70
St Dev				0.17	0.48	1.01	0.37	1.20	0.27				0.83
Net Irr					0.66	5.17	7.79	3.77					17.40
Other Hay				0.64	5.26	7.62	5.49	2.78	1.02	0.03			22.84
St Dev				0.46	0.78	0.61	0.89	0.17	0.34	0.07			1.11
Net Irr					3.78	6.78	4.84	1.95					17.34
Pasture				0.63	3.66	5.04	5.61	5.06	2.09	0.07			22.17
St Dev				0.22	0.35	0.40	0.25	0.31	0.83	0.17			1.41
Net Irr					2.18	4.20	4.95	4.23	0.84				16.41
Spring Grain				0.34	2.04	5.74	8.47	5.61	0.46				22.66
St Dev				0.17	0.45	1.01	0.39	0.96	0.45				0.99
Net Irr					0.57	4.90	7.81	4.77					18.04

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DEER CREEK DAM

Aridity Index: 79%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.4, Long: -111.53, Elev: 5270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.63	3.29	5.05	0.86				10.82
St Dev						0.13	0.15	0.47	0.95				1.24
Net Irr						0.79	2.63	4.22					7.63
Turfgrass				0.89	3.12	4.42	4.95	4.53	2.18	0.08			20.18
St Dev				0.28	0.25	0.36	0.22	0.21	0.76	0.21			1.25
Net Irr					1.64	3.58	4.29	3.70	0.93				14.14
Open Water Deep	0.52	0.55	1.13	1.58	2.27	2.72	3.35	3.55	2.19	1.91	1.15	0.56	21.49
St Dev	0.09	0.10	0.18	0.22	0.21	0.27	0.23	0.17	0.16	0.19	0.17	0.09	0.90
Net Evap				0.17	0.80	1.88	2.69	2.71	0.94	0.19			9.38
Open Water Shallow	0.70	1.11	2.25	3.23	4.41	5.05	5.55	5.19	3.70	2.34	1.24	0.67	35.45
St Dev	0.09	0.14	0.24	0.30	0.27	0.32	0.20	0.13	0.19	0.19	0.16	0.09	1.09
Net Evap			0.41	1.81	2.94	4.21	4.90	4.35	2.45	0.62			21.69
Wetlands Large						1.59	6.75	7.73	2.16	0.03			18.26
St Dev						0.45	0.64	0.72	1.63	0.13			2.27
Net ET						0.75	6.09	6.89	0.91				14.64
Wetlands Narrow						2.01	9.48	11.04	3.08	0.04			25.66
St Dev						0.59	0.95	1.03	2.33	0.19			3.24
Net ET						1.17	8.82	10.21	1.83				22.03
ETr	0.92	1.39	3.04	4.51	6.27	7.41	8.26	7.62	5.22	3.53	1.74	0.87	50.77
St Dev	0.11	0.20	0.40	0.52	0.48	0.59	0.37	0.27	0.35	0.39	0.29	0.15	1.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DELTA

Aridity Index: 20%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.34, Long: -112.59, Elev: 4623 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.07	32.48	41.45	48.36	57.68	67.38	75.16	73.07	62.79	50.41	36.80	26.80	49.87
St Dev	6.75	4.90	3.29	3.10	2.73	2.78	2.25	2.06	2.38	2.53	3.28	4.23	1.30
Precip (in)	0.58	0.66	0.90	0.86	0.91	0.47	0.52	0.65	0.77	1.03	0.59	0.52	8.45
St Dev	0.41	0.50	0.60	0.58	0.76	0.49	0.50	0.48	0.73	0.69	0.47	0.43	2.45
Aridity Adj. (F)	0.40	0.38	0.54	0.74	1.10	1.36	1.14	1.12	1.14	1.04	0.72	0.48	0.85
Est. Dewpoint (F)	19.49	20.92	22.14	25.30	32.35	37.88	44.28	42.92	34.62	28.72	21.78	18.76	29.10
Rs (langley/day)	177	297	385	489	554	648	597	562	479	337	212	183	410
Wind (mpd)	77	86	131	137	121	113	102	109	93	87	83	78	101
Calc. Wind Limit (mpd)	96	96	130	132	118	111	104	113	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)			0.04	3.58	7.14	8.49	8.01	8.01	5.41	0.52			41.21
St Dev			0.14	0.94	0.59	1.07	0.52	0.52	1.26	0.72			2.51
Net Irr				2.89	6.42	8.11	7.60	7.49	4.79				37.30
Alfalfa (Dairy)			0.04	3.58	6.48	7.54	8.08	7.66	4.56	0.52			38.46
St Dev			0.14	0.94	0.56	0.58	0.59	0.41	1.20	0.71			2.33
Net Irr				2.89	5.76	7.16	7.67	7.14	3.95				34.57
Barley			0.06	1.83	6.68	9.93	3.00						21.49
St Dev			0.10	0.55	1.16	0.78	1.57						1.17
Net Irr				1.14	5.95	9.55	2.59						19.22
Corn					1.33	5.20	10.24	7.80	1.17				25.73
St Dev					0.39	1.43	0.86	0.81	0.90				1.66
Net Irr					0.60	4.82	9.82	7.28	0.55				23.08
Other Hay			0.04	3.77	8.40	8.67	4.50	3.13	1.15	0.01			29.68
St Dev			0.14	1.01	0.89	0.93	0.44	0.18	0.28	0.02			1.89
Net Irr				3.08	7.68	8.29	4.09	2.61	0.54				26.29
Pasture			0.20	3.07	5.56	6.78	7.26	6.89	4.40	1.26			35.43
St Dev			0.18	0.60	0.55	0.54	0.51	0.35	0.67	0.89			2.45
Net Irr				2.38	4.84	6.40	6.85	6.37	3.78	0.44			31.06
Sorghum					1.64	5.79	9.45	9.14	2.59				28.61
St Dev					0.46	1.05	0.74	0.47	1.03				1.75
Net Irr					0.92	5.41	9.03	8.62	1.97				25.96
Spring Grain			0.06	1.75	6.42	10.12	4.33	0.01					22.69
St Dev			0.10	0.51	1.18	0.79	1.71	0.05					1.19
Net Irr				1.06	5.69	9.74	3.91						20.41
Winter Wheat		0.02	1.11	2.46	7.05	9.08	1.64						21.36
St Dev		0.04	0.28	0.57	1.24	1.08	1.16						1.16
Net Irr			0.39	1.77	6.32	8.71	1.23						18.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DELTA

Aridity Index: 20%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.34, Long: -112.59, Elev: 4623 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					2.08	4.34	7.84	7.68	1.67				23.61
St Dev					0.26	0.42	0.64	0.37	0.52				1.29
Net Irr					1.35	3.96	7.43	7.16	1.06				20.96
Turfgrass			0.32	2.97	4.76	5.98	6.41	6.09	4.14	1.42	0.01		32.10
St Dev			0.28	0.42	0.50	0.47	0.45	0.31	0.49	0.92	0.03		2.16
Net Irr				2.28	4.03	5.60	5.99	5.57	3.53	0.60			27.61
Open Water Deep	0.81	1.14	2.60	3.18	4.13	5.49	6.75	7.32	4.29	3.05	1.72	0.91	41.39
St Dev	0.19	0.22	0.38	0.42	0.49	0.57	0.61	0.47	0.33	0.32	0.26	0.18	2.19
Net Evap	0.35	0.61	1.89	2.49	3.41	5.11	6.33	6.80	3.68	2.23	1.25	0.50	34.63
Open Water Shallow	0.81	1.55	3.07	4.13	5.19	6.12	6.41	6.15	4.59	2.90	1.42	0.83	43.17
St Dev	0.15	0.21	0.29	0.32	0.37	0.36	0.33	0.22	0.22	0.23	0.17	0.14	1.65
Net Evap	0.34	1.02	2.35	3.44	4.46	5.75	5.99	5.64	3.98	2.08	0.95	0.42	36.40
Wetlands Large					0.70	6.56	11.03	10.66	6.56	1.02			36.53
St Dev					0.50	1.29	0.88	0.54	1.33	1.32			3.04
Net ET						6.18	10.62	10.14	5.95	0.20			33.09
Wetlands Narrow					0.84	9.04	15.75	15.23	9.37	1.46			51.69
St Dev					0.62	1.90	1.26	0.78	1.89	1.88			4.33
Net ET					0.12	8.66	15.34	14.71	8.76	0.64			48.22
ETr	1.15	2.10	4.86	6.51	8.25	9.97	10.68	10.15	7.13	4.60	2.34	1.22	68.97
St Dev	0.28	0.38	0.65	0.67	0.80	0.79	0.75	0.52	0.44	0.49	0.39	0.29	3.87

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DESERET

Aridity Index: 42%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.29, Long: -112.65, Elev: 4590 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.16	32.53	41.77	48.83	57.93	67.73	75.34	73.03	62.49	50.06	36.83	26.81	49.96
St Dev	6.61	4.63	3.28	3.20	2.80	2.92	2.19	2.06	2.32	2.41	3.19	4.13	1.45
Precip (in)	0.63	0.65	0.82	0.89	1.01	0.45	0.52	0.64	0.78	1.05	0.72	0.55	8.73
St Dev	0.47	0.53	0.61	0.62	0.89	0.50	0.55	0.56	0.81	0.73	0.59	0.40	2.64
Aridity Adj. (F)	0.84	0.80	1.13	1.55	2.31	2.86	2.39	2.35	2.39	2.18	1.51	1.01	1.78
Est. Dewpoint (F)	19.19	20.65	21.62	24.39	30.64	35.62	42.63	41.20	32.48	26.82	21.19	18.54	27.91
Rs (langley/day)	195	313	394	527	595	702	653	605	510	360	225	198	440
Wind (mpd)	77	87	130	137	121	113	102	109	92	87	83	78	101
Calc. Wind Limit (mpd)	96	96	129	132	117	110	103	111	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)			0.08	3.86	7.33	8.68	8.27	8.15	4.84	0.22			41.43
St Dev			0.15	0.99	0.56	1.04	0.45	0.76	1.63	0.37			2.75
Net Irr				3.15	6.53	8.32	7.85	7.63	4.22				37.70
Alfalfa (Dairy)			0.08	3.86	6.67	7.79	8.29	7.73	4.17	0.21			38.81
St Dev			0.15	0.99	0.50	0.48	0.46	0.43	1.43	0.36			2.52
Net Irr				3.15	5.86	7.44	7.87	7.22	3.54				35.08
Barley			0.08	1.92	6.73	10.30	3.70						22.72
St Dev			0.10	0.57	1.20	0.64	2.03						1.24
Net Irr				1.20	5.92	9.94	3.28						20.34
Corn					1.42	5.44	10.57	8.06	1.33	0.01			26.82
St Dev					0.28	1.22	0.64	0.93	1.01	0.04			1.57
Net Irr					0.61	5.08	10.15	7.55	0.71				24.09
Other Hay			0.07	4.13	8.61	8.66	4.53	3.13	1.06				30.20
St Dev			0.15	1.07	0.74	0.89	0.41	0.18	0.28				1.37
Net Irr				3.42	7.80	8.30	4.11	2.62	0.44				26.69
Pasture			0.20	3.19	5.68	6.98	7.45	6.98	4.13	0.81			35.43
St Dev			0.13	0.58	0.46	0.46	0.38	0.34	0.79	0.82			2.16
Net Irr				2.48	4.87	6.62	7.03	6.46	3.51				30.97
Sorghum					1.76	6.18	9.74	9.26	2.32				29.27
St Dev					0.33	0.85	0.55	0.47	0.90				1.37
Net Irr					0.95	5.83	9.32	8.74	1.69				26.54
Spring Grain			0.08	1.84	6.45	10.46	5.11	0.06					24.00
St Dev			0.10	0.53	1.19	0.68	2.01	0.17					1.30
Net Irr				1.13	5.64	10.10	4.70						21.56
Winter Wheat		0.02	1.14	2.52	7.06	9.55	2.20						22.49
St Dev		0.03	0.27	0.61	1.32	0.96	1.64						1.21
Net Irr			0.48	1.80	6.25	9.19	1.78						19.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DESERET

Aridity Index: 42%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.29, Long: -112.65, Elev: 4590 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.86	4.17	7.72	7.88	1.79				23.43
St Dev					0.16	0.29	0.43	1.05	0.70				1.45
Net Irr					1.05	3.81	7.30	7.36	1.17				20.70
Turfgrass			0.33	3.06	4.86	6.16	6.57	6.19	4.02	0.95			32.16
St Dev			0.22	0.41	0.41	0.41	0.33	0.31	0.57	0.89			1.89
Net Irr				2.35	4.05	5.80	6.16	5.68	3.40	0.10			27.54
Open Water Deep	0.79	1.12	2.57	3.18	4.04	5.38	6.55	7.07	4.11	2.90	1.66	0.87	40.23
St Dev	0.19	0.21	0.38	0.42	0.42	0.52	0.42	0.41	0.29	0.31	0.24	0.17	1.96
Net Evap	0.28	0.60	1.91	2.47	3.23	5.02	6.13	6.56	3.48	2.06	1.08	0.43	33.25
Open Water Shallow	0.84	1.59	3.09	4.32	5.37	6.40	6.73	6.38	4.70	2.95	1.43	0.85	44.63
St Dev	0.17	0.22	0.30	0.33	0.32	0.31	0.24	0.21	0.20	0.23	0.17	0.15	1.48
Net Evap	0.34	1.07	2.44	3.61	4.57	6.04	6.31	5.86	4.07	2.10	0.86	0.40	37.65
Wetlands Large					1.01	7.36	11.41	10.80	6.23	0.51			37.32
St Dev					0.49	1.17	0.64	0.54	1.60	0.90			3.07
Net ET					0.20	7.00	11.00	10.29	5.61				34.09
Wetlands Narrow					1.23	10.22	16.30	15.43	8.90	0.73			52.82
St Dev					0.63	1.72	0.92	0.78	2.28	1.28			4.39
Net ET					0.42	9.86	15.88	14.92	8.28				49.36
ETr	1.13	2.08	4.88	6.67	8.41	10.27	10.96	10.32	7.18	4.57	2.29	1.17	69.92
St Dev	0.29	0.41	0.65	0.67	0.66	0.68	0.56	0.52	0.44	0.51	0.40	0.29	3.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DEWEY

Aridity Index: 62%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.81, Long: -109.3, Elev: 4120 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.86	34.73	46.20	53.83	63.64	73.14	80.35	78.11	67.04	54.17	40.33	30.10	53.96
St Dev	7.83	5.91	2.98	3.10	2.32	2.67	2.53	2.59	3.05	1.94	2.51	3.82	1.38
Precip (in)	0.75	0.71	0.85	0.70	0.80	0.37	0.62	0.66	0.71	1.19	0.79	0.77	8.92
St Dev	0.67	0.74	0.69	0.56	0.88	0.39	0.59	0.53	0.69	1.08	0.62	0.60	3.02
Aridity Adj. (F)	1.24	1.18	1.67	2.29	3.41	4.22	3.53	3.47	3.53	3.22	2.23	1.49	2.62
Est. Dewpoint (F)	14.40	21.24	26.01	25.30	32.96	35.50	45.58	47.20	35.78	29.00	20.93	16.66	29.21
Rs (langley/day)	255	359	440	563	619	674	567	549	462	350	245	243	444
Wind (mpd)	91	99	136	161	142	124	103	98	98	99	98	92	112
Calc. Wind Limit (mpd)	96	96	106	132	121	105	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				3.44	7.39	7.83	7.39	7.18	3.65	0.10			36.98
St Dev				0.87	0.53	0.84	0.42	0.61	1.79	0.23			2.39
Net Irr				2.88	6.75	7.54	6.89	6.66	3.08				33.79
Alfalfa (Dairy)				3.44	6.67	7.46	7.36	6.54	3.18	0.06			34.70
St Dev				0.87	0.51	0.45	0.48	0.38	1.53	0.13			2.07
Net Irr				2.88	6.03	7.16	6.87	6.01	2.61				31.55
Corn					1.06	4.38	9.26	7.51	2.21				24.41
St Dev					0.12	0.72	0.69	0.41	0.84				0.97
Net Irr					0.42	4.09	8.76	6.98	1.63				21.88
Melon					1.05	5.00	6.32	5.54	2.20				20.12
St Dev					0.12	0.34	0.37	0.62	1.29				1.52
Net Irr					0.41	4.70	5.83	5.02	1.63				17.59
Other Hay				3.69	8.32	8.62	4.11	2.71	1.10				28.56
St Dev				0.90	0.67	0.70	0.43	0.19	0.22				1.45
Net Irr				3.13	7.68	8.32	3.62	2.19	0.53				25.47
Pasture				2.45	5.44	6.62	6.61	5.90	3.57	0.31			30.90
St Dev				0.38	0.42	0.42	0.38	0.34	0.83	0.49			1.71
Net Irr				1.89	4.80	6.32	6.12	5.37	3.00				27.50
Spring Grain				1.44	5.54	9.96	6.19	0.19					23.30
St Dev				0.40	1.03	0.68	1.43	0.30					0.99
Net Irr				0.88	4.90	9.66	5.69						21.12
Winter Wheat			0.56	1.95	5.62	9.79	3.73	0.04					21.68
St Dev			0.12	0.37	1.18	0.64	1.66	0.10					0.90
Net Irr				1.39	4.98	9.49	3.23						19.09

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DEWEY

Aridity Index: 62%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.81, Long: -109.3, Elev: 4120 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.33	3.44	6.16	6.96	1.93				19.80
St Dev					0.13	0.21	0.37	0.77	1.00				1.38
Net Irr					0.69	3.14	5.66	6.43	1.36				17.27
Small Fruit					1.01	4.89	8.94	8.14	2.89				25.86
St Dev					0.10	0.30	0.53	0.94	1.72				2.15
Net Irr					0.36	4.59	8.45	7.62	2.32				23.33
Turfgrass				2.66	4.57	5.84	5.84	5.24	3.60	0.38			28.12
St Dev				0.38	0.35	0.37	0.34	0.30	0.70	0.56			1.53
Net Irr				2.10	3.92	5.54	5.34	4.71	3.03				24.65
Open Water Deep	0.65	0.82	1.48	2.73	3.55	4.60	5.18	4.87	3.41	2.52	1.53	0.83	32.17
St Dev	0.22	0.24	0.26	0.39	0.35	0.43	0.47	0.43	0.36	0.28	0.23	0.18	1.71
Net Evap	0.05	0.25	0.80	2.17	2.90	4.31	4.69	4.34	2.84	1.57	0.90	0.22	25.04
Open Water Shallow	0.82	1.48	2.88	4.29	5.32	6.00	5.85	5.55	4.15	2.67	1.36	0.86	41.22
St Dev	0.22	0.26	0.29	0.35	0.29	0.28	0.25	0.24	0.27	0.23	0.18	0.16	1.36
Net Evap	0.22	0.91	2.20	3.73	4.67	5.70	5.35	5.02	3.58	1.72	0.73	0.25	34.08
Wetlands Large					0.56	6.23	10.06	9.17	5.21	0.18			31.41
St Dev					0.16	0.53	0.61	0.53	1.74	0.41			2.11
Net ET						5.93	9.57	8.64	4.64				28.79
Wetlands Narrow					0.66	8.55	14.37	13.10	7.45	0.25			44.38
St Dev					0.19	0.76	0.87	0.76	2.49	0.59			3.00
Net ET					0.01	8.26	13.88	12.57	6.88				41.60
ETr	0.97	1.73	3.95	6.42	8.17	9.74	9.73	8.73	6.65	4.35	2.19	1.09	63.72
St Dev	0.38	0.48	0.58	0.75	0.63	0.62	0.57	0.51	0.59	0.59	0.45	0.40	3.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DINOSAUR QUARRY AREA

Aridity Index: 45%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.44, Long: -109.3, Elev: 4800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.17	25.62	39.91	49.36	59.10	68.60	75.45	72.95	62.90	50.03	35.26	22.47	48.32
St Dev	8.81	7.37	3.65	3.13	2.50	2.88	2.43	1.68	2.45	2.17	2.97	5.46	2.09
Precip (in)	0.63	0.62	0.70	0.82	0.99	0.54	0.63	0.62	0.98	1.20	0.63	0.54	8.90
St Dev	0.49	0.44	0.58	0.57	0.76	0.43	0.69	0.46	0.82	1.04	0.46	0.52	2.21
Aridity Adj. (F)	0.90	0.86	1.22	1.67	2.48	3.06	2.57	2.52	2.57	2.34	1.62	1.08	1.91
Est. Dewpoint (F)	9.45	17.40	22.36	21.46	29.52	32.18	40.15	39.87	29.40	26.50	18.62	9.86	24.73
Rs (langleys/day)	188	280	385	491	576	661	633	563	460	328	209	158	411
Wind (mpd)	49	49	97	126	126	112	96	91	74	66	67	55	84
Calc. Wind Limit (mpd)	96	96	96	126	126	111	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				1.83	7.04	7.67	8.20	7.66	3.08	0.15			35.64
St Dev				1.10	0.98	0.60	0.71	0.61	1.38	0.31			2.76
Net Irr				1.17	6.25	7.24	7.70	7.16	2.30				31.82
Alfalfa (Dairy)				1.83	6.70	7.58	7.69	6.68	3.00	0.13			33.60
St Dev				1.10	0.78	0.51	0.47	0.30	1.11	0.26			2.38
Net Irr				1.17	5.91	7.14	7.19	6.18	2.22				29.81
Barley				0.94	4.99	10.01	6.31	0.14					22.40
St Dev				0.52	1.31	0.75	2.01	0.28					0.84
Net Irr				0.28	4.20	9.58	5.81						19.87
Corn					0.76	3.71	9.20	8.04	2.73	0.03			24.47
St Dev					0.34	1.03	1.02	0.48	0.79	0.10			1.52
Net Irr						3.28	8.69	7.54	1.94				21.46
Other Hay				1.90	7.57	9.75	5.69	3.07	1.32	0.06			29.36
St Dev				1.17	1.17	0.71	1.25	0.25	0.26	0.13			1.53
Net Irr				1.24	6.78	9.32	5.18	2.57	0.54				25.64
Pasture				1.77	5.19	6.73	6.98	6.02	3.37	0.45			30.52
St Dev				0.80	0.66	0.42	0.41	0.26	0.70	0.54			2.26
Net Irr				1.11	4.41	6.30	6.47	5.52	2.59				26.40
Sorghum					0.95	4.27	8.56	8.01	3.37				25.17
St Dev					0.42	0.86	0.79	0.36	0.67				1.75
Net Irr					0.16	3.84	8.06	7.51	2.59				22.16
Spring Grain				0.92	4.72	9.94	7.54	0.53					23.65
St Dev				0.49	1.26	0.83	1.72	0.65					0.90
Net Irr				0.26	3.93	9.51	7.04	0.03					20.76

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DINOSAUR QUARRY AREA

Aridity Index: 45%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.44, Long: -109.3, Elev: 4800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.27	3.43	6.38	7.20	2.01				20.29
St Dev					0.22	0.28	0.52	0.38	0.85				1.45
Net Irr					0.48	3.00	5.87	6.70	1.23				17.28
Turfgrass				2.05	4.38	5.93	6.16	5.34	3.31	0.53			27.69
St Dev				0.77	0.51	0.38	0.36	0.24	0.53	0.60			1.99
Net Irr				1.39	3.59	5.49	5.65	4.84	2.53				23.49
Open Water Deep	0.32	0.30	1.29	2.81	3.95	5.13	5.61	5.15	3.06	1.85	1.05	0.51	31.02
St Dev	0.11	0.09	0.28	0.39	0.44	0.51	0.47	0.27	0.26	0.21	0.15	0.12	1.89
Net Evap			0.74	2.15	3.17	4.70	5.10	4.65	2.28	0.89	0.55	0.07	24.29
Open Water Shallow	0.56	0.97	2.50	3.94	5.16	6.02	6.34	5.67	4.10	2.46	1.14	0.61	39.46
St Dev	0.16	0.20	0.34	0.34	0.36	0.29	0.27	0.18	0.23	0.22	0.15	0.13	1.58
Net Evap	0.06	0.47	1.94	3.28	4.37	5.59	5.83	5.18	3.32	1.50	0.63	0.18	32.35
Wetlands Large					0.21	4.86	10.04	9.34	4.84	0.26			29.55
St Dev					0.30	1.47	0.95	0.42	1.23	0.56			3.17
Net ET						4.43	9.53	8.84	4.06				26.86
Wetlands Narrow					0.24	6.52	14.30	13.35	6.91	0.37			41.69
St Dev					0.35	2.11	1.40	0.60	1.76	0.79			4.54
Net ET						6.09	13.79	12.85	6.13				38.86
ETr	0.67	1.05	3.44	6.12	8.17	9.91	10.26	8.90	6.09	3.54	1.65	0.85	60.64
St Dev	0.23	0.26	0.66	0.70	0.78	0.62	0.60	0.40	0.44	0.47	0.29	0.22	3.24

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DRAPER POINT OF MTN

Aridity Index: 36%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.49, Long: -111.9, Elev: 4500 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	32.01	36.22	44.93	51.42	61.95	70.82	78.47	77.01	66.47	54.07	41.16	31.93	53.87
St Dev	4.76	3.80	2.97	3.68	3.04	3.01	2.65	2.14	2.72	2.91	3.54	3.51	1.43
Precip (in)	1.56	1.48	1.55	1.68	1.53	0.83	0.62	0.85	0.98	1.53	1.37	1.36	15.34
St Dev	1.27	1.03	0.74	1.12	1.12	0.82	0.45	0.71	0.78	0.99	0.97	1.12	5.13
Aridity Adj. (F)	0.72	0.68	0.97	1.33	1.98	2.45	2.05	2.02	2.05	1.87	1.30	0.86	1.52
Est. Dewpoint (F)	23.33	24.93	27.78	29.70	36.62	41.04	46.26	47.04	40.02	34.38	28.10	23.18	33.53
Rs (langleys/day)	169	254	392	494	597	670	655	558	459	324	202	152	411
Wind (mpd)	70	74	100	110	98	90	83	89	78	77	75	70	84
Calc. Wind Limit (mpd)	96	96	101	111	96	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				2.77	6.31	7.30	7.21	6.89	4.75	0.65	0.02		35.90
St Dev				0.64	0.41	0.85	0.33	0.46	0.99	0.67	0.08		1.97
Net Irr				1.43	5.09	6.64	6.71	6.21	3.96				30.04
Alfalfa (Dairy)				2.77	5.73	6.54	7.24	6.52	4.02	0.74	0.02		33.57
St Dev				0.64	0.34	0.36	0.36	0.30	0.80	0.83	0.09		1.91
Net Irr				1.43	4.50	5.88	6.74	5.83	3.23				27.62
Apples / Cherries				1.61	6.09	8.97	9.95	8.77	4.87	1.81			42.06
St Dev				0.41	0.62	0.58	0.46	0.36	0.42	0.52			1.75
Net Irr				0.26	4.87	8.30	9.45	8.08	4.09	0.59			35.65
Barley			0.03	1.41	5.78	8.64	2.95						18.80
St Dev			0.04	0.40	0.98	0.50	1.62						0.68
Net Irr				0.06	4.56	7.97	2.46						15.05
Corn					1.16	4.29	9.11	6.33	0.86	0.01			21.77
St Dev					0.26	1.13	0.52	1.09	0.81	0.03			1.13
Net Irr						3.63	8.62	5.65	0.07				17.98
Other Hay				2.89	7.36	7.72	4.10	2.70	1.03				25.80
St Dev				0.65	0.60	0.61	0.35	0.14	0.19				1.16
Net Irr				1.54	6.14	7.06	3.60	2.01	0.24				20.60
Other Orchard				1.49	5.83	8.28	9.18	8.05	4.41	1.79			39.04
St Dev				0.38	0.59	0.53	0.42	0.33	0.38	0.51			1.64
Net Irr				0.15	4.61	7.62	8.69	7.37	3.62	0.57			32.62
Pasture			0.12	2.44	4.89	5.87	6.50	5.85	3.83	1.67	0.08		31.26
St Dev			0.12	0.39	0.38	0.38	0.30	0.25	0.38	0.58	0.14		1.50
Net Irr				1.10	3.67	5.21	6.01	5.17	3.05	0.45			24.65
Spring Grain			0.03	1.35	5.54	8.77	4.17	0.03					19.90
St Dev			0.04	0.37	0.99	0.54	1.71	0.09					0.73
Net Irr				0.01	4.32	8.11	3.68						16.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DRAPER POINT OF MTN

Aridity Index: 36%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.49, Long: -111.9, Elev: 4500 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.15	1.95	4.06	7.28	6.16	1.18				20.79
St Dev				0.13	0.23	0.46	0.47	0.38	0.40				0.80
Net Irr					0.73	3.40	6.79	5.48	0.40				16.79
Turfgrass			0.19	2.39	4.17	5.18	5.74	5.17	3.47	1.77	0.10		28.19
St Dev			0.18	0.28	0.33	0.33	0.27	0.22	0.29	0.53	0.18		1.30
Net Irr				1.05	2.95	4.52	5.24	4.48	2.69	0.54			21.48
Open Water Deep	0.75	0.82	1.60	2.20	3.03	3.99	5.08	5.50	3.14	2.28	1.29	0.74	30.43
St Dev	0.12	0.13	0.21	0.33	0.35	0.41	0.40	0.34	0.28	0.28	0.21	0.11	1.46
Net Evap			0.35	0.86	1.81	3.33	4.58	4.82	2.36	1.05	0.20		19.36
Open Water Shallow	0.78	1.28	2.78	3.85	5.22	5.97	6.55	5.86	4.22	2.60	1.20	0.68	41.00
St Dev	0.10	0.15	0.23	0.32	0.34	0.32	0.26	0.21	0.22	0.22	0.15	0.09	1.20
Net Evap		0.10	1.54	2.51	3.99	5.31	6.05	5.18	3.44	1.38	0.11		29.61
Wetlands Large					0.68	5.86	9.93	9.04	5.79	1.39	0.03		32.72
St Dev					0.36	0.89	0.49	0.38	0.88	1.27	0.13		2.56
Net ET						5.19	9.43	8.36	5.00	0.17			28.16
Wetlands Narrow					0.82	8.09	14.18	12.92	8.27	1.99	0.04		46.31
St Dev					0.47	1.32	0.70	0.55	1.25	1.81	0.18		3.65
Net ET						7.43	13.68	12.23	7.48	0.77			41.60
ETr	0.93	1.53	3.60	5.25	7.25	8.63	9.56	8.61	5.84	3.55	1.61	0.85	57.23
St Dev	0.13	0.22	0.36	0.53	0.55	0.55	0.44	0.36	0.35	0.37	0.24	0.14	2.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DUCHESNE

Aridity Index: 49%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.17, Long: -110.4, Elev: 5520 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	19.22	25.94	38.28	47.07	55.96	64.39	70.73	68.52	59.58	48.01	33.54	21.91	46.10
St Dev	7.11	6.32	4.06	3.31	2.21	2.97	1.80	1.83	1.94	2.11	3.19	4.82	1.78
Precip (in)	0.70	0.59	0.68	0.87	1.12	0.73	0.97	1.25	1.04	1.07	0.56	0.58	10.15
St Dev	0.68	0.43	0.52	0.66	0.78	0.63	0.78	0.93	0.84	0.94	0.40	0.49	2.68
Aridity Adj. (F)	0.98	0.93	1.32	1.81	2.70	3.33	2.79	2.74	2.79	2.55	1.76	1.18	2.07
Est. Dewpoint (F)	9.63	12.21	16.02	20.67	27.45	32.59	38.26	39.99	33.20	25.45	16.41	11.47	23.61
Rs (langleys/day)	216	306	423	532	604	644	574	495	430	336	241	190	416
Wind (mpd)	79	91	130	144	123	105	85	74	77	90	91	75	97
Calc. Wind Limit (mpd)	96	96	115	128	115	103	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				1.86	6.25	6.40	7.00	5.72	2.44	0.17			29.84
St Dev				0.78	0.71	0.40	0.59	0.64	0.91	0.32			2.14
Net Irr				1.16	5.35	5.82	6.22	4.72	1.61				24.88
Alfalfa (Dairy)				1.86	6.17	6.31	6.18	4.99	2.64	0.17			28.32
St Dev				0.78	0.64	0.47	0.23	0.27	0.92	0.32			2.14
Net Irr				1.16	5.27	5.73	5.40	3.99	1.81				23.36
Barley				0.86	3.86	8.13	7.21	0.86					20.92
St Dev				0.31	0.86	0.86	0.91	0.82					0.64
Net Irr				0.17	2.96	7.54	6.43						17.10
Corn					0.67	2.35	6.44	6.61	3.42	0.22			19.72
St Dev					0.17	0.51	0.89	0.26	0.95	0.36			1.88
Net Irr						1.77	5.66	5.61	2.59				15.63
Other Hay				2.01	6.96	8.06	4.29	2.28	1.06	0.03			24.70
St Dev				0.86	0.69	0.60	0.75	0.16	0.19	0.08			1.19
Net Irr				1.31	6.07	7.48	3.51	1.29	0.23				19.88
Pasture				1.58	4.68	5.62	5.65	4.57	2.82	0.45			25.36
St Dev				0.41	0.40	0.39	0.21	0.20	0.64	0.52			1.64
Net Irr				0.88	3.78	5.03	4.87	3.58	1.99				20.12
Sorghum					0.84	3.52	6.99	6.08	2.97				20.40
St Dev					0.21	0.45	0.39	0.27	0.65				1.31
Net Irr						2.93	6.21	5.09	2.14				16.37
Spring Grain				0.85	3.65	7.97	7.76	1.70	0.01				21.95
St Dev				0.29	0.81	0.92	0.67	1.06	0.08				0.71
Net Irr				0.15	2.75	7.38	6.99	0.70					17.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DUCHESNE

Aridity Index: 49%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.17, Long: -110.4, Elev: 5520 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.95	2.69	4.88	5.38	1.71	0.01			15.62
St Dev					0.11	0.18	0.21	0.59	0.87	0.03			1.45
Net Irr					0.05	2.11	4.10	4.38	0.88				11.52
Turfgrass				1.89	3.89	4.95	4.98	4.06	2.76	0.54			23.08
St Dev				0.41	0.32	0.35	0.18	0.18	0.48	0.58			1.46
Net Irr				1.20	2.99	4.36	4.20	3.06	1.93				17.75
Open Water Deep	0.56	0.80	1.78	2.52	3.13	3.73	3.98	3.28	2.38	2.28	1.37	0.60	26.41
St Dev	0.14	0.18	0.30	0.33	0.29	0.40	0.23	0.20	0.17	0.23	0.20	0.12	1.24
Net Evap		0.33	1.24	1.82	2.23	3.14	3.20	2.29	1.55	1.42	0.92	0.14	18.29
Open Water Shallow	0.69	1.25	2.80	3.99	5.02	5.49	5.51	4.75	3.65	2.51	1.27	0.65	37.57
St Dev	0.13	0.20	0.29	0.31	0.30	0.30	0.16	0.16	0.18	0.20	0.15	0.10	1.11
Net Evap	0.13	0.78	2.26	3.29	4.12	4.90	4.73	3.75	2.81	1.66	0.82	0.19	29.46
Wetlands Large					0.17	4.24	8.25	7.10	4.17	0.30			24.22
St Dev					0.17	0.97	0.52	0.32	1.19	0.49			2.47
Net ET						3.65	7.47	6.10	3.34				20.56
Wetlands Narrow					0.19	5.70	11.75	10.14	5.96	0.42			34.17
St Dev					0.19	1.38	0.77	0.45	1.70	0.69			3.52
Net ET						5.11	10.98	9.14	5.13				30.36
ETr	0.85	1.55	3.87	5.71	7.28	8.26	8.30	6.76	5.12	3.66	1.83	0.83	54.04
St Dev	0.18	0.28	0.51	0.56	0.57	0.58	0.31	0.30	0.31	0.38	0.28	0.17	2.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DUGWAY

Aridity Index: 50%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.18, Long: -112.92, Elev: 4340 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.71	33.79	42.02	49.31	58.84	69.31	77.87	75.44	64.05	50.70	37.72	28.23	51.17
St Dev	6.27	4.88	3.25	3.32	2.66	2.91	2.31	2.16	2.45	2.38	3.12	3.93	1.33
Precip (in)	0.64	0.65	0.87	0.87	1.10	0.49	0.48	0.58	0.67	0.87	0.59	0.52	8.33
St Dev	0.51	0.46	0.64	0.62	0.81	0.59	0.52	0.56	0.57	0.61	0.47	0.46	2.75
Aridity Adj. (F)	1.00	0.95	1.35	1.85	2.75	3.40	2.85	2.80	2.85	2.60	1.80	1.20	2.12
Est. Dewpoint (F)	17.30	21.41	22.57	26.44	31.96	37.51	43.44	42.55	33.97	27.99	21.11	17.50	28.65
Rs (langleys/day)	165	235	346	473	580	652	625	551	446	330	203	157	397
Wind (mpd)	82	93	152	166	154	123	124	168	127	101	131	88	126
Calc. Wind Limit (mpd)	96	96	113	125	107	99	96	105	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				2.05	6.71	7.09	8.04	8.20	4.00	0.30			36.40
St Dev				0.80	0.73	0.67	0.46	0.68	1.52	0.49			2.98
Net Irr				1.36	5.82	6.70	7.66	7.74	3.46				32.75
Alfalfa (Dairy)				2.05	6.23	7.00	7.79	7.22	3.70	0.24			34.23
St Dev				0.80	0.48	0.48	0.50	0.42	1.27	0.38			2.64
Net Irr				1.36	5.35	6.61	7.41	6.75	3.16				30.64
Apples / Cherries				0.43	4.88	9.16	10.78	10.01	6.02	1.48	0.04		42.79
St Dev				0.18	0.54	0.67	0.59	0.52	0.81	1.13	0.12		2.56
Net Irr					4.00	8.77	10.40	9.54	5.48	0.79			38.98
Barley				1.06	5.11	9.23	4.75	0.01					20.16
St Dev				0.41	1.13	0.69	1.68	0.08					0.81
Net Irr				0.36	4.23	8.85	4.36						17.80
Corn					0.87	3.63	9.56	8.08	1.94	0.01			24.08
St Dev					0.29	0.99	0.93	0.58	1.04	0.02			1.31
Net Irr						3.24	9.17	7.61	1.40				21.43
Other Hay				2.12	7.28	8.78	5.19	3.22	1.44	0.05			28.07
St Dev				0.83	0.85	0.61	0.69	0.15	0.24	0.10			1.42
Net Irr				1.42	6.39	8.39	4.80	2.75	0.90				24.66
Other Orchard				0.43	4.60	8.58	9.95	9.24	5.45	1.38	0.04		39.66
St Dev				0.18	0.51	0.62	0.54	0.48	0.73	1.07	0.12		2.38
Net Irr					3.72	8.19	9.57	8.77	4.91	0.69			35.84
Pasture			0.02	2.02	4.95	6.16	7.05	6.53	4.06	1.07	0.03		31.89
St Dev			0.03	0.61	0.52	0.42	0.38	0.34	0.72	0.92	0.09		2.29
Net Irr				1.33	4.07	5.77	6.67	6.06	3.53	0.38			27.79
Sorghum					1.08	4.35	8.90	8.66	3.60				26.59
St Dev					0.35	0.88	0.72	0.45	0.89				1.61
Net Irr					0.20	3.96	8.51	8.20	3.06				23.93
Spring Grain				1.03	4.84	9.23	6.13	0.11					21.34
St Dev				0.39	1.09	0.74	1.50	0.25					0.87
Net Irr				0.33	3.96	8.84	5.75						18.88
Winter Wheat			0.69	1.81	5.50	8.99	3.01	0.01					20.02
St Dev			0.23	0.39	1.23	0.62	1.62	0.05					0.79
Net Irr				1.12	4.62	8.60	2.63						16.97

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DUGWAY

Aridity Index: 50%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.18, Long: -112.92, Elev: 4340 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.61	3.63	7.20	7.52	1.92				21.88
St Dev					0.31	0.44	0.70	0.39	0.72				1.42
Net Irr					0.73	3.24	6.81	7.05	1.38				19.22
Turfgrass			0.03	2.22	4.15	5.44	6.22	5.78	3.85	1.19	0.04		28.91
St Dev			0.06	0.55	0.45	0.37	0.34	0.30	0.55	0.94	0.13		2.04
Net Irr				1.53	3.27	5.05	5.84	5.31	3.31	0.50			24.80
Open Water Deep	0.85	1.13	1.97	2.59	3.38	4.53	6.29	6.81	4.09	2.91	1.82	1.01	37.39
St Dev	0.20	0.20	0.30	0.41	0.39	0.46	0.49	0.44	0.34	0.34	0.29	0.17	2.02
Net Evap	0.34	0.61	1.27	1.90	2.49	4.14	5.91	6.35	3.55	2.21	1.34	0.60	30.72
Open Water Shallow	0.76	1.29	2.64	3.80	5.08	5.92	6.52	5.96	4.27	2.71	1.33	0.76	41.04
St Dev	0.15	0.17	0.28	0.38	0.38	0.32	0.28	0.23	0.24	0.25	0.18	0.13	1.76
Net Evap	0.25	0.77	1.94	3.11	4.20	5.53	6.14	5.50	3.73	2.02	0.86	0.35	34.37
Wetlands Large					0.28	4.98	10.40	10.11	5.90	0.54			32.22
St Dev					0.29	1.21	0.86	0.53	1.31	0.89			3.34
Net ET						4.59	10.02	9.64	5.36				29.62
Wetlands Narrow					0.32	6.74	14.84	14.44	8.43	0.78			45.55
St Dev					0.35	1.76	1.25	0.75	1.88	1.28			4.77
Net ET						6.35	14.45	13.98	7.89	0.08			42.76
ETr	1.13	1.84	3.96	5.65	7.51	9.06	10.36	9.63	6.72	4.31	2.24	1.23	63.66
St Dev	0.30	0.33	0.55	0.73	0.71	0.61	0.57	0.50	0.48	0.56	0.44	0.28	3.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ECHO DAM

Aridity Index: 68%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.97, Long: -111.43, Elev: 5470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.47	26.41	36.44	44.28	52.60	61.00	68.65	67.06	57.80	47.03	34.04	24.41	45.18
St Dev	5.31	4.50	3.17	3.00	2.16	2.40	2.17	1.94	2.35	2.25	3.56	4.09	1.28
Precip (in)	1.09	1.02	1.33	1.45	1.84	1.05	0.81	0.87	1.32	1.55	1.52	1.12	14.98
St Dev	0.80	0.56	0.60	0.79	1.03	0.88	0.54	0.75	1.23	0.96	0.80	0.81	3.15
Aridity Adj. (F)	1.36	1.29	1.84	2.52	3.74	4.62	3.88	3.81	3.88	3.54	2.45	1.63	2.88
Est. Dewpoint (F)	14.81	16.48	20.60	22.73	27.99	33.51	39.05	37.70	30.18	24.04	19.52	15.33	25.16
Rs (langley/day)	153	289	416	474	528	649	650	568	468	318	186	128	402
Wind (mpd)	53	54	76	93	91	79	71	76	71	70	70	59	72
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)					2.81	6.16	5.73	4.07	0.65				19.42
St Dev					0.34	0.58	0.47	1.47	0.97				2.60
Net Irr					1.34	5.32	5.09	3.37					15.12
Alfalfa (Dairy)					2.81	5.74	5.75	3.85	0.45	0.01			18.61
St Dev					0.34	0.45	0.52	1.79	0.71	0.05			2.52
Net Irr					1.34	4.90	5.10	3.16					14.50
Barley					1.14	4.32	7.81	4.65	0.18				18.10
St Dev					0.21	0.71	0.48	1.70	0.29				2.09
Net Irr						3.47	7.17	3.96					14.60
Other Hay					3.11	6.80	6.81	2.80	0.77				20.29
St Dev					0.32	0.57	0.39	0.20	0.47				1.09
Net Irr					1.64	5.96	6.16	2.11					15.87
Pasture					1.92	4.41	5.20	4.53	1.33	0.01			17.40
St Dev					0.20	0.37	0.30	0.43	0.91	0.03			1.32
Net Irr					0.45	3.56	4.56	3.84	0.28				12.68
Spring Grain					1.11	4.08	7.76	5.15	0.36				18.45
St Dev					0.19	0.66	0.49	1.88	0.47				2.42
Net Irr						3.23	7.11	4.45					14.80

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ECHO DAM

Aridity Index: 68%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.97, Long: -111.43, Elev: 5470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.01	2.59	4.31	0.84				8.76
St Dev						0.09	0.15	0.20	0.71				0.82
Net Irr						0.17	1.95	3.62					5.74
Turfgrass					2.11	3.68	4.59	4.09	1.41	0.01			15.89
St Dev					0.21	0.31	0.26	0.31	0.89	0.05			1.16
Net Irr					0.64	2.84	3.95	3.39	0.35				11.16
Open Water Deep	0.28	0.29	0.67	1.17	1.63	1.89	2.47	2.82	1.81	1.47	0.82	0.38	15.71
St Dev	0.05	0.06	0.13	0.20	0.19	0.23	0.22	0.17	0.16	0.19	0.17	0.08	0.84
Net Evap				0.01	0.16	1.04	1.82	2.13	0.75	0.23			6.15
Open Water Shallow	0.45	0.96	2.22	3.07	3.91	4.81	5.49	4.94	3.55	2.13	0.89	0.42	32.83
St Dev	0.07	0.13	0.24	0.31	0.27	0.32	0.25	0.16	0.19	0.20	0.16	0.09	1.14
Net Evap		0.14	1.16	1.91	2.44	3.97	4.85	4.25	2.49	0.89			22.09
Wetlands Large						0.98	5.71	6.22	1.06	0.01			13.99
St Dev						0.23	0.54	1.78	1.34	0.06			2.70
Net ET						0.14	5.07	5.53					10.73
Wetlands Narrow						1.20	7.97	8.89	1.51	0.01			19.58
St Dev						0.30	0.78	2.54	1.91	0.08			3.86
Net ET						0.36	7.32	8.19	0.46				16.33
ETr	0.51	0.98	2.52	3.98	5.35	6.62	7.65	6.97	4.85	3.02	1.26	0.55	44.28
St Dev	0.11	0.17	0.36	0.51	0.47	0.56	0.43	0.31	0.35	0.39	0.32	0.17	1.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ELBERTA

Aridity Index: 51%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.95, Long: -111.95, Elev: 4690 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.85	32.77	41.45	48.61	57.94	67.41	75.66	74.05	63.84	51.42	38.17	28.63	50.65
St Dev	5.33	4.64	3.24	3.25	2.75	3.07	2.54	1.71	2.39	2.62	3.53	3.40	1.38
Precip (in)	0.89	0.92	1.03	1.08	1.10	0.59	0.63	0.62	0.81	1.08	0.90	0.71	10.35
St Dev	0.60	0.57	0.53	0.70	0.82	0.48	0.67	0.54	0.88	0.69	0.60	0.43	2.96
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	20.60	21.06	21.49	25.42	30.53	35.17	41.78	41.47	33.26	28.71	21.60	19.44	28.38
Rs (langley/day)	182	270	360	467	559	656	650	563	479	331	202	160	407
Wind (mpd)	71	67	102	107	94	85	74	77	71	64	68	66	79
Calc. Wind Limit (mpd)	96	96	107	118	99	96	96	101	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)				1.78	6.01	6.35	7.29	6.91	3.09	0.26			31.70
St Dev				0.66	0.63	0.43	0.52	0.55	1.25	0.50			2.20
Net Irr				0.92	5.14	5.87	6.79	6.41	2.44				27.58
Alfalfa (Dairy)				1.78	5.79	6.32	6.74	6.01	3.09	0.19			29.92
St Dev				0.66	0.49	0.45	0.27	0.20	1.13	0.38			1.95
Net Irr				0.92	4.91	5.85	6.24	5.51	2.45				25.88
Apples / Cherries					2.64	7.40	9.36	8.39	5.41	0.89			34.09
St Dev					0.25	0.46	0.34	0.23	0.75	0.86			1.65
Net Irr					1.77	6.93	8.86	7.89	4.76	0.03			30.23
Barley				0.89	4.11	8.30	6.04	0.23					19.58
St Dev				0.31	0.94	0.70	1.47	0.43					0.61
Net Irr				0.03	3.23	7.83	5.54						16.63
Corn					0.60	2.65	7.76	7.43	2.98	0.07			21.49
St Dev					0.15	0.52	0.79	0.30	0.85	0.15			1.12
Net Irr						2.18	7.26	6.93	2.34				18.71
Melon					0.54	3.53	5.84	5.18	2.25	0.05			17.39
St Dev					0.15	0.43	0.22	0.32	1.06	0.13			1.49
Net Irr						3.05	5.34	4.68	1.61				14.68
Other Hay				1.89	6.60	7.98	4.52	2.70	1.21	0.03			24.93
St Dev				0.73	0.62	0.62	0.61	0.14	0.21	0.06			0.98
Net Irr				1.02	5.72	7.51	4.01	2.20	0.57				21.04
Other Orchard					2.46	7.06	8.64	7.74	4.96	0.80			31.67
St Dev					0.23	0.44	0.31	0.21	0.68	0.77			1.50
Net Irr					1.58	6.59	8.14	7.24	4.32				27.87
Pasture				1.78	4.49	5.60	6.12	5.46	3.29	0.52			27.26
St Dev				0.46	0.36	0.36	0.22	0.15	0.64	0.54			1.55
Net Irr				0.92	3.61	5.13	5.62	4.96	2.65				22.89
Potato					0.66	3.09	6.72	5.78	2.57	0.06			18.88
St Dev					0.08	0.54	0.42	0.21	0.72	0.15			0.89
Net Irr						2.62	6.22	5.28	1.93				16.04
Safflower					0.96	7.74	9.00	7.80	3.48	0.37			29.35
St Dev					0.35	0.70	0.32	0.33	1.05	0.41			1.92
Net Irr					0.08	7.27	8.50	7.30	2.83				25.99
Sorghum					0.74	3.41	7.52	7.26	3.60				22.53
St Dev					0.18	0.40	0.41	0.20	0.74				1.09
Net Irr						2.94	7.02	6.76	2.95				19.67
Spring Grain				0.87	3.88	8.22	7.08	0.61					20.65
St Dev				0.30	0.89	0.76	1.11	0.71					0.60
Net Irr				0.01	3.00	7.74	6.58	0.11					17.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ELBERTA

Aridity Index: 51%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.95, Long: -111.95, Elev: 4690 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.59	1.49	4.20	8.23	4.72	0.15					19.39
St Dev			0.15	0.26	1.05	0.73	1.72	0.27					0.55
Net Irr				0.63	3.33	7.76	4.22						15.94
Garden					0.84	2.64	5.21	6.52	2.22	0.02			17.45
St Dev					0.08	0.17	0.20	0.41	0.90	0.05			1.16
Net Irr						2.17	4.71	6.02	1.57				14.47
Small Fruit					0.57	3.47	7.80	7.74	2.99	0.06			22.62
St Dev					0.07	0.28	0.34	0.52	1.44	0.16			1.90
Net Irr						3.00	7.30	7.24	2.34				19.87
Turfgrass				1.98	3.76	4.94	5.40	4.84	3.21	0.61			24.75
St Dev				0.41	0.32	0.31	0.19	0.13	0.46	0.61			1.36
Net Irr				1.12	2.88	4.47	4.90	4.34	2.56				20.27
Open Water Deep	0.57	0.67	1.60	1.98	2.65	3.41	4.16	4.40	2.77	1.82	1.18	0.62	25.84
St Dev	0.12	0.13	0.24	0.29	0.29	0.35	0.31	0.20	0.22	0.21	0.18	0.10	1.24
Net Evap			0.78	1.12	1.77	2.94	3.66	3.90	2.13	0.96	0.47	0.04	17.77
Open Water Shallow	0.69	1.23	2.54	3.53	4.70	5.59	6.22	5.59	4.17	2.51	1.20	0.65	38.62
St Dev	0.12	0.17	0.24	0.30	0.29	0.29	0.19	0.12	0.19	0.20	0.14	0.09	1.09
Net Evap		0.50	1.72	2.67	3.82	5.12	5.72	5.09	3.53	1.65	0.48	0.08	30.37
Wetlands Large					0.07	3.91	8.82	8.47	4.96	0.38			26.61
St Dev					0.09	0.78	0.53	0.23	1.27	0.65			2.34
Net ET						3.44	8.32	7.97	4.31				24.04
Wetlands Narrow					0.08	5.20	12.57	12.10	7.09	0.54			37.58
St Dev					0.10	1.11	0.79	0.33	1.82	0.93			3.34
Net ET						4.73	12.07	11.60	6.44				34.84
ETr	0.79	1.45	3.62	5.06	6.80	8.24	9.00	8.07	5.76	3.38	1.71	0.82	54.70
St Dev	0.17	0.24	0.43	0.54	0.51	0.52	0.32	0.22	0.31	0.33	0.24	0.16	1.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ENTERPRISE BERYL JCT

Aridity Index: 60%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.77, Long: -113.66, Elev: 5150 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.84	32.82	39.74	45.84	54.68	63.46	70.51	69.00	60.12	49.10	36.61	27.96	48.14
St Dev	5.11	3.67	2.81	2.91	2.61	2.40	1.98	1.88	1.99	2.44	2.86	4.11	1.14
Precip (in)	0.78	0.94	1.28	0.83	0.75	0.48	1.02	1.03	0.85	1.15	0.76	0.72	10.61
St Dev	0.74	0.73	1.12	0.67	0.60	0.60	0.91	0.71	0.90	0.84	0.61	0.63	2.45
Aridity Adj. (F)	1.20	1.14	1.62	2.22	3.30	4.08	3.42	3.36	3.42	3.12	2.16	1.44	2.54
Est. Dewpoint (F)	16.63	19.38	19.46	19.73	24.93	26.84	37.16	38.52	29.56	23.87	18.08	14.90	24.09
Rs (langleys/day)	248	310	431	563	623	695	607	561	483	372	272	220	449
Wind (mpd)	107	107	143	168	140	143	120	122	116	114	107	101	124
Calc. Wind Limit (mpd)	106	97	132	132	132	132	100	121	115	104	96	96	114
.....Inches.....													
Alfalfa (Beef)				0.78	6.90	8.23	8.69	8.26	2.80	0.10			35.76
St Dev				0.15	0.84	0.44	0.70	0.91	1.39	0.40			1.88
Net Irr				0.12	6.30	7.85	7.87	7.43	2.12				31.68
Alfalfa (Dairy)				0.78	6.90	8.11	7.49	7.13	3.07	0.08			33.56
St Dev				0.15	0.84	0.55	0.38	0.66	1.54	0.35			2.30
Net Irr				0.12	6.30	7.72	6.67	6.30	2.39				29.50
Barley				0.35	3.68	10.24	8.91	1.02					24.21
St Dev				0.06	0.69	0.99	0.94	0.76					0.77
Net Irr					3.08	9.85	8.09	0.20					21.23
Corn					0.08	2.63	7.63	9.54	3.71	0.06			23.65
St Dev					0.03	0.32	0.72	0.42	1.69	0.21			2.02
Net Irr						2.25	6.81	8.71	3.03				20.80
Other Hay				0.77	7.34	11.07	6.72	3.64	1.63	0.08			31.25
St Dev				0.15	0.71	0.71	0.38	0.15	0.51	0.15			1.44
Net Irr				0.11	6.74	10.68	5.90	2.81	0.95				27.19
Pasture				0.50	4.62	7.25	6.85	6.65	3.50	0.24			29.61
St Dev				0.09	0.45	0.46	0.35	0.29	1.36	0.49			1.83
Net Irr					4.02	6.86	6.03	5.82	2.82				25.56
Potato					0.08	2.81	6.74	7.49	3.13	0.07			20.32
St Dev					0.03	0.39	0.58	0.35	1.46	0.25			1.79
Net Irr						2.43	5.92	6.66	2.45				17.46
Spring Grain				0.35	3.51	10.01	9.55	2.11					25.52
St Dev				0.06	0.64	1.02	0.70	1.06					0.81
Net Irr					2.91	9.62	8.73	1.28					22.54

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ENTERPRISE BERYL JCT

Aridity Index: 60%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.77, Long: -113.66, Elev: 5150 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.10	2.84	4.53	7.22	2.22	0.01			16.92
St Dev					0.04	0.18	0.23	0.68	1.69	0.06			2.11
Net Irr						2.46	3.71	6.39	1.54				14.10
Turfgrass				0.79	4.15	6.29	6.04	5.92	3.54	0.29			27.03
St Dev				0.14	0.39	0.40	0.31	0.25	1.21	0.57			1.62
Net Irr				0.13	3.55	5.90	5.23	5.10	2.86				22.76
Open Water Deep	1.37	1.31	2.37	2.88	4.09	5.73	5.37	6.43	4.52	3.33	1.98	1.33	40.72
St Dev	0.31	0.23	0.40	0.37	0.46	0.49	0.37	0.35	0.32	0.35	0.29	0.23	1.89
Net Evap	0.75	0.55	1.34	2.22	3.49	5.34	4.55	5.60	3.84	2.42	1.37	0.75	32.23
Open Water Shallow	1.22	1.66	3.16	4.31	5.39	6.22	6.03	5.81	4.51	3.07	1.70	1.11	44.18
St Dev	0.22	0.23	0.37	0.34	0.37	0.28	0.22	0.17	0.23	0.24	0.21	0.16	1.39
Net Evap	0.60	0.90	2.13	3.65	4.79	5.83	5.21	4.98	3.83	2.15	1.09	0.53	35.69
Wetlands Large						3.51	9.21	10.31	4.81	0.12			27.96
St Dev						0.22	0.47	0.52	2.27	0.44			2.57
Net ET						3.12	8.39	9.48	4.13				25.12
Wetlands Narrow						4.55	13.05	14.73	6.87	0.17			39.36
St Dev						0.29	0.67	0.74	3.24	0.63			3.68
Net ET						4.16	12.23	13.90	6.19				36.48
ETr	1.89	2.37	4.91	6.61	8.67	10.67	10.07	9.87	7.75	5.28	2.88	1.90	72.85
St Dev	0.52	0.49	0.86	0.71	0.80	0.68	0.52	0.41	0.59	0.63	0.54	0.41	3.30

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: EPHRAIM USFS

Aridity Index: 37%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.36, Long: -111.6, Elev: 5510 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.59	30.69	38.93	46.04	55.03	64.55	72.01	70.08	60.56	49.01	36.34	25.75	47.80
St Dev	5.67	4.58	3.93	3.37	3.03	2.83	2.26	2.33	2.61	2.91	2.95	4.75	1.67
Precip (in)	0.98	1.04	1.35	1.13	1.28	0.66	0.71	0.83	1.15	1.37	1.08	0.96	12.52
St Dev	0.70	0.71	0.69	0.64	0.84	0.62	0.51	0.53	0.87	0.85	0.77	0.58	2.97
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	21.48	23.70	23.08	24.30	31.60	37.61	42.41	41.38	34.25	28.63	22.66	19.25	29.20
Rs (langley/day)	176	290	414	496	549	675	626	571	454	307	185	157	408
Wind (mpd)	71	73	106	129	111	95	82	91	76	75	70	68	87
Calc. Wind Limit (mpd)	96	96	106	124	111	96	96	96	96	96	96	96	100
.....Inches.....													
Alfalfa (Beef)				1.81	5.72	6.33	7.31	6.89	2.46	0.20			30.72
St Dev				0.77	0.96	0.47	0.67	0.78	1.24	0.57			2.73
Net Irr				0.90	4.69	5.80	6.74	6.23	1.54				25.91
Alfalfa (Dairy)				1.81	5.61	6.24	6.51	6.01	2.56	0.17			28.92
St Dev				0.77	0.84	0.57	0.52	0.52	1.16	0.48			2.58
Net Irr				0.90	4.59	5.72	5.94	5.35	1.64				24.15
Barley				0.81	3.48	7.98	7.22	0.76					20.25
St Dev				0.27	1.00	1.03	1.07	0.89					1.05
Net Irr					2.46	7.45	6.65	0.10					16.67
Corn					0.43	2.25	6.84	7.89	3.09	0.13			20.63
St Dev					0.15	0.53	1.19	0.44	1.25	0.37			2.04
Net Irr						1.72	6.27	7.23	2.17				17.40
Other Hay				1.98	6.42	7.85	4.36	2.73	1.00	0.03			24.38
St Dev				0.85	0.95	0.59	0.58	0.17	0.31	0.08			1.59
Net Irr				1.07	5.40	7.33	3.79	2.07	0.08				19.75
Pasture				1.49	4.30	5.54	5.95	5.51	2.64	0.38			25.81
St Dev				0.36	0.54	0.47	0.45	0.35	0.98	0.52			2.02
Net Irr				0.59	3.28	5.01	5.39	4.84	1.72				20.82
Safflower					0.52	7.24	8.75	7.72	2.74	0.28			27.26
St Dev					0.19	0.89	0.66	0.68	1.35	0.40			2.49
Net Irr						6.71	8.19	7.06	1.82				23.78
Sorghum					0.53	3.01	7.04	7.35	3.19				21.13
St Dev					0.18	0.38	0.68	0.49	1.20				1.73
Net Irr						2.48	6.48	6.69	2.27				17.92
Spring Grain				0.79	3.29	7.83	7.92	1.61					21.44
St Dev				0.26	0.94	1.10	0.81	1.26					1.09
Net Irr					2.27	7.30	7.35	0.95					17.86
Winter Wheat			0.55	1.43	3.48	7.84	6.18	0.58					20.06
St Dev			0.16	0.28	1.16	1.15	1.54	0.71					1.10
Net Irr				0.53	2.46	7.31	5.61						15.91

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: EPHRAIM USFS

Aridity Index: 37%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.36, Long: -111.6, Elev: 5510 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.60	2.44	4.69	6.49	1.86	0.02			16.10
St Dev					0.10	0.20	0.36	0.65	1.11	0.08			1.59
Net Irr						1.92	4.12	5.83	0.94				12.81
Turfgrass				1.76	3.57	4.89	5.25	4.92	2.62	0.45			23.46
St Dev				0.36	0.45	0.42	0.40	0.31	0.83	0.59			1.78
Net Irr				0.86	2.55	4.36	4.69	4.26	1.70				18.40
Open Water Deep	0.33	0.47	1.29	2.07	2.62	3.16	3.85	4.39	2.51	1.90	1.05	0.48	24.13
St Dev	0.09	0.11	0.29	0.34	0.39	0.37	0.39	0.38	0.24	0.25	0.18	0.11	1.84
Net Evap			0.22	1.17	1.60	2.64	3.29	3.73	1.59	0.80	0.19		15.22
Open Water Shallow	0.51	1.15	2.62	3.65	4.54	5.60	5.90	5.53	3.89	2.35	1.07	0.55	37.33
St Dev	0.10	0.17	0.36	0.37	0.40	0.36	0.34	0.26	0.24	0.23	0.16	0.10	1.86
Net Evap		0.31	1.54	2.74	3.52	5.07	5.34	4.86	2.97	1.25	0.21		27.81
Wetlands Large					0.03	3.58	8.41	8.58	4.01	0.24			24.85
St Dev					0.04	0.99	0.97	0.57	1.65	0.64			2.99
Net ET						3.05	7.84	7.92	3.09				21.90
Wetlands Narrow					0.03	4.74	11.97	12.25	5.72	0.35			35.06
St Dev					0.04	1.37	1.43	0.82	2.35	0.91			4.26
Net ET						4.21	11.40	11.59	4.80				32.01
ETr	0.49	1.18	3.31	5.11	6.60	8.15	8.75	8.20	5.48	3.44	1.60	0.68	53.00
St Dev	0.19	0.23	0.60	0.67	0.77	0.69	0.66	0.52	0.44	0.46	0.35	0.20	3.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ESCALANTE

Aridity Index: 43%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.77, Long: -111.6, Elev: 5810 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.44	34.73	42.27	49.26	58.15	67.45	73.47	70.95	62.76	51.87	39.37	30.73	50.87
St Dev	4.81	3.52	3.52	3.39	2.97	2.80	2.38	2.19	2.37	2.99	2.97	3.42	1.64
Precip (in)	0.95	0.85	0.87	0.47	0.59	0.35	0.80	1.50	1.06	1.26	0.75	0.59	10.03
St Dev	1.06	0.81	0.77	0.53	0.61	0.40	0.69	0.86	1.04	1.25	0.95	0.55	2.78
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	22.43	23.84	23.36	24.99	31.23	36.19	44.30	43.96	36.98	30.71	23.57	20.76	30.19
Rs (langley/day)	239	335	460	528	614	676	586	571	473	374	254	212	443
Wind (mpd)	121	138	153	154	136	131	109	108	106	114	117	115	125
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	100	96	103	96	96	109
.....Inches.....													
Alfalfa (Beef)				1.07	5.63	7.10	7.15	5.75	2.41	0.06			29.17
St Dev				0.19	0.80	0.41	0.61	1.01	1.00	0.17			2.11
Net Irr				0.69	5.16	6.82	6.51	4.55	1.57				25.30
Alfalfa (Dairy)				1.07	5.63	6.70	6.15	5.48	2.62	0.05			27.68
St Dev				0.19	0.80	0.46	0.38	0.33	0.89	0.13			1.95
Net Irr				0.69	5.16	6.42	5.51	4.28	1.77				23.83
Corn					0.17	2.08	5.53	7.30	3.27	0.10			18.45
St Dev					0.03	0.31	0.91	0.46	1.15	0.24			2.00
Net Irr						1.80	4.89	6.11	2.43				15.22
Other Hay				1.12	6.42	8.99	4.78	2.62	1.22	0.07			25.21
St Dev				0.18	0.69	0.65	0.34	0.16	0.24	0.08			1.54
Net Irr				0.75	5.95	8.71	4.14	1.42	0.37				21.34
Pasture				0.70	4.10	6.00	5.55	5.02	2.89	0.36			24.62
St Dev				0.10	0.44	0.43	0.37	0.31	0.76	0.55			1.68
Net Irr				0.32	3.63	5.72	4.91	3.82	2.05				20.45
Spring Grain				0.45	2.70	7.81	8.15	3.36	0.13				22.60
St Dev				0.06	0.67	1.11	0.49	1.38	0.23				0.58
Net Irr				0.07	2.23	7.53	7.51	2.16					19.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ESCALANTE

Aridity Index: 43%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.77, Long: -111.6, Elev: 5810 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.21	2.40	3.81	5.68	1.94				14.04
St Dev					0.04	0.17	0.26	0.38	1.07				1.28
Net Irr						2.12	3.17	4.48	1.10				10.87
Turfgrass				1.01	3.47	5.26	4.90	4.45	2.85	0.42			22.37
St Dev				0.14	0.37	0.38	0.32	0.28	0.62	0.61			1.50
Net Irr				0.63	3.00	4.98	4.26	3.25	2.01				18.13
Open Water Deep	0.41	0.57	1.39	1.88	2.77	4.02	3.48	3.51	2.42	2.10	1.19	0.61	24.36
St Dev	0.14	0.16	0.30	0.29	0.41	0.44	0.36	0.31	0.26	0.32	0.21	0.14	1.91
Net Evap			0.70	1.51	2.30	3.74	2.84	2.32	1.57	1.09	0.59	0.14	16.80
Open Water Shallow	0.68	1.31	2.79	3.68	4.87	5.67	5.41	5.19	3.86	2.61	1.25	0.69	38.03
St Dev	0.15	0.21	0.35	0.33	0.38	0.30	0.27	0.24	0.24	0.27	0.17	0.12	1.65
Net Evap		0.63	2.10	3.31	4.40	5.39	4.77	3.99	3.02	1.60	0.65	0.22	30.09
Wetlands Large						3.63	7.81	7.78	3.74	0.12			23.08
St Dev						0.36	0.55	0.49	1.39	0.31			2.17
Net ET						3.35	7.17	6.59	2.90				19.99
Wetlands Narrow						4.75	11.11	11.12	5.34	0.18			32.50
St Dev						0.49	0.79	0.70	1.98	0.45			3.08
Net ET						4.47	10.47	9.92	4.50				29.36
ETr	0.59	1.34	3.50	5.05	7.00	8.82	8.17	7.41	5.43	3.63	1.70	0.79	53.42
St Dev	0.26	0.34	0.61	0.58	0.74	0.64	0.54	0.46	0.45	0.51	0.34	0.25	3.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ESKDALE

Aridity Index: 77%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.11, Long: -113.95, Elev: 4980 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.24	33.81	42.39	49.55	58.29	68.04	75.41	73.20	63.09	51.18	38.24	28.82	50.86
St Dev	5.74	4.03	3.61	3.63	2.75	2.67	1.90	1.99	2.14	2.51	3.14	4.04	1.25
Precip (in)	0.30	0.40	0.67	0.65	0.74	0.56	0.54	0.57	0.69	0.70	0.40	0.22	6.45
St Dev	0.34	0.44	0.53	0.56	0.75	0.62	0.64	0.56	0.67	0.62	0.35	0.21	2.27
Aridity Adj. (F)	1.54	1.46	2.08	2.85	4.24	5.24	4.39	4.31	4.39	4.00	2.77	1.85	3.26
Est. Dewpoint (F)	18.37	20.33	22.56	24.88	30.00	34.34	43.30	42.30	32.85	26.80	20.69	17.54	27.83
Rs (langley/day)	236	294	418	520	561	648	592	580	478	353	245	200	427
Wind (mpd)	87	108	123	136	133	133	122	141	127	106	110	95	118
Calc. Wind Limit (mpd)	96	96	129	132	117	115	96	103	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)			0.01	3.81	7.01	7.83	7.37	7.56	3.95	0.16			37.70
St Dev			0.03	0.70	0.56	0.85	0.32	0.62	1.75	0.35			2.44
Net Irr				3.29	6.42	7.39	6.94	7.10	3.39				34.53
Alfalfa (Dairy)			0.01	3.81	6.35	7.31	7.35	7.01	3.52	0.16			35.52
St Dev			0.03	0.70	0.43	0.49	0.34	0.26	1.46	0.32			2.09
Net Irr				3.29	5.75	6.86	6.92	6.56	2.97				32.35
Barley			0.01	1.77	5.98	9.76	4.37	0.02					21.90
St Dev			0.02	0.46	1.02	0.66	1.69	0.06					0.66
Net Irr				1.25	5.39	9.31	3.93						19.88
Corn					1.07	4.13	9.13	7.95	2.22	0.01			24.51
St Dev					0.12	0.81	0.56	0.55	1.01	0.04			0.90
Net Irr					0.48	3.69	8.69	7.50	1.66				22.02
Other Hay			0.01	4.13	8.08	8.00	3.91	2.80	0.99				27.92
St Dev			0.02	0.68	0.62	0.70	0.22	0.12	0.19				1.27
Net Irr				3.61	7.48	7.55	3.48	2.35	0.43				24.90
Pasture			0.01	2.79	5.27	6.51	6.60	6.31	3.91	0.75			32.16
St Dev			0.02	0.30	0.40	0.44	0.27	0.23	0.77	0.82			1.92
Net Irr				2.27	4.67	6.06	6.17	5.85	3.36	0.19			28.58
Sorghum					1.33	5.09	8.56	8.39	2.92				26.28
St Dev					0.13	0.35	0.35	0.29	0.51				0.95
Net Irr					0.73	4.64	8.12	7.94	2.36				23.80
Spring Grain			0.01	1.70	5.70	9.80	5.72	0.14					23.07
St Dev			0.02	0.43	1.01	0.69	1.60	0.26					0.68
Net Irr				1.18	5.11	9.35	5.29						20.92
Winter Wheat			0.98	2.27	6.14	9.36	2.90	0.02					21.67
St Dev			0.16	0.63	1.26	0.86	1.71	0.06					0.73
Net Irr			0.44	1.75	5.55	8.91	2.47						19.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ESKDALE

Aridity Index: 77%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.11, Long: -113.95, Elev: 4980 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.34	3.45	6.26	7.48	1.95				20.49
St Dev					0.13	0.23	0.26	0.45	0.96				1.29
Net Irr					0.75	3.00	5.83	7.03	1.40				18.01
Turfgrass			0.02	2.90	4.47	5.75	5.83	5.59	3.82	0.88			29.25
St Dev			0.04	0.30	0.34	0.39	0.24	0.19	0.58	0.90			1.68
Net Irr				2.38	3.87	5.30	5.39	5.14	3.27	0.32			25.67
Open Water Deep	1.06	1.32	2.31	3.02	3.74	5.18	5.54	6.00	3.95	3.09	1.97	1.23	38.40
St Dev	0.24	0.24	0.35	0.43	0.39	0.49	0.34	0.31	0.28	0.35	0.29	0.20	1.57
Net Evap	0.82	1.00	1.77	2.50	3.15	4.73	5.11	5.55	3.39	2.53	1.65	1.05	33.25
Open Water Shallow	1.08	1.60	3.13	4.22	5.05	5.95	6.10	5.98	4.42	2.92	1.56	0.98	42.99
St Dev	0.19	0.23	0.29	0.34	0.30	0.31	0.19	0.16	0.19	0.24	0.19	0.13	1.06
Net Evap	0.84	1.28	2.59	3.70	4.46	5.50	5.66	5.53	3.87	2.36	1.25	0.80	37.83
Wetlands Large					0.54	6.16	10.06	9.79	5.59	0.38			32.53
St Dev					0.13	0.53	0.42	0.34	1.66	0.82			2.46
Net ET						5.72	9.63	9.34	5.04				29.72
Wetlands Narrow					0.64	8.47	14.37	13.98	7.99	0.55			45.99
St Dev					0.16	0.75	0.60	0.48	2.38	1.17			3.51
Net ET					0.04	8.03	13.93	13.53	7.43				42.96
ETr	1.50	2.29	4.61	6.33	7.83	9.58	9.71	9.32	6.84	4.66	2.57	1.58	66.83
St Dev	0.37	0.47	0.58	0.65	0.60	0.64	0.39	0.32	0.39	0.52	0.43	0.31	2.19

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FAIRFIELD

Aridity Index: 33%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.27, Long: -112.09, Elev: 4880 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.08	30.31	39.21	46.03	54.42	62.97	70.22	68.46	59.30	48.15	35.86	26.40	47.20
St Dev	5.98	4.68	2.95	2.98	2.30	2.26	1.92	1.94	2.25	2.38	3.14	3.70	1.39
Precip (in)	1.11	1.12	1.20	1.19	1.24	0.71	1.01	0.97	1.01	1.32	1.02	1.02	12.91
St Dev	0.64	0.78	0.71	0.66	0.92	0.69	1.03	0.99	0.93	0.87	0.74	0.89	3.55
Aridity Adj. (F)	0.66	0.63	0.89	1.22	1.82	2.24	1.88	1.85	1.88	1.72	1.19	0.79	1.40
Est. Dewpoint (F)	13.50	15.76	18.92	21.47	26.39	29.83	34.73	34.27	27.54	23.69	18.00	14.16	23.19
Rs (langleys/day)	163	254	378	484	584	659	634	552	453	317	200	149	402
Wind (mpd)	74	74	110	119	108	98	91	97	85	80	82	69	91
Calc. Wind Limit (mpd)	96	96	104	112	96	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				0.86	5.50	6.68	8.32	6.44	1.86	0.01			29.67
St Dev				0.26	0.66	0.38	0.64	1.55	1.30	0.07			2.54
Net Irr					4.51	6.12	7.50	5.66	1.05				24.84
Alfalfa (Dairy)				0.86	5.50	6.45	7.05	6.01	2.05	0.01			27.94
St Dev				0.26	0.66	0.48	0.30	0.95	1.40	0.06			2.32
Net Irr					4.51	5.89	6.24	5.23	1.24				23.12
Barley				0.39	2.89	8.00	8.89	1.53					21.70
St Dev				0.08	0.55	0.84	0.58	0.91					0.65
Net Irr					1.90	7.44	8.07	0.75					18.16
Other Hay				0.88	6.09	8.76	5.90	3.13	1.23	0.03			26.03
St Dev				0.26	0.58	0.59	0.33	0.12	0.37	0.07			1.18
Net Irr					5.10	8.19	5.09	2.36	0.43				21.17
Pasture				0.59	3.90	5.78	6.43	5.84	2.66	0.09			25.28
St Dev				0.11	0.36	0.40	0.28	0.28	0.98	0.19			1.47
Net Irr					2.91	5.22	5.62	5.06	1.85				20.66
Potato					0.11	2.15	6.08	6.39	1.96	0.01			16.70
St Dev					0.03	0.30	0.55	0.97	1.37	0.05			2.10
Net Irr						1.59	5.27	5.61	1.16				13.62
Safflower					0.11	6.17	9.45	8.21	2.53	0.05			26.53
St Dev					0.03	0.41	0.42	0.61	1.18	0.12			1.95
Net Irr						5.61	8.64	7.43	1.73				23.40
Sorghum					0.14	2.54	6.85	7.42	2.49	0.01			19.44
St Dev					0.04	0.17	0.32	1.16	1.76	0.05			2.52
Net Irr						1.98	6.03	6.64	1.68				16.34
Spring Grain				0.39	2.74	7.77	9.35	2.76					23.01
St Dev				0.08	0.52	0.87	0.45	1.16					0.72
Net Irr					1.75	7.20	8.53	1.98					19.47
Winter Wheat			0.13	1.38	3.04	7.94	7.94	1.01					21.44
St Dev			0.04	0.19	0.72	1.05	1.11	0.77					0.63
Net Irr				0.42	2.05	7.37	7.13	0.24					17.21

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FAIRFIELD

Aridity Index: 33%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.27, Long: -112.09, Elev: 4880 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.14	2.29	4.34	6.22	1.38	0.01			14.38
St Dev					0.04	0.16	0.20	0.84	1.36	0.04			1.98
Net Irr						1.73	3.52	5.44	0.58				11.27
Small Fruit					0.08	2.29	6.69	7.99	1.49	0.01			18.56
St Dev					0.02	0.15	0.31	1.01	1.54	0.06			2.34
Net Irr						1.72	5.88	7.22	0.69				15.50
Turfgrass				0.88	3.37	5.05	5.67	5.20	2.74	0.12			23.03
St Dev				0.16	0.31	0.35	0.25	0.21	0.88	0.24			1.29
Net Irr					2.38	4.49	4.86	4.43	1.93				18.09
Open Water Deep	0.72	0.79	1.57	2.07	2.58	3.62	4.67	5.01	3.10	2.23	1.43	0.73	28.51
St Dev	0.14	0.15	0.24	0.29	0.28	0.32	0.30	0.27	0.23	0.26	0.22	0.12	1.33
Net Evap			0.61	1.12	1.59	3.06	3.85	4.24	2.29	1.18	0.61		18.55
Open Water Shallow	0.71	1.20	2.56	3.58	4.72	5.52	6.01	5.44	3.96	2.46	1.22	0.67	38.04
St Dev	0.11	0.17	0.26	0.31	0.33	0.29	0.21	0.15	0.19	0.21	0.15	0.10	1.21
Net Evap		0.30	1.60	2.63	3.73	4.95	5.20	4.66	3.15	1.40	0.40		28.03
Wetlands Large						2.72	8.57	8.66	2.90	0.01			22.86
St Dev						0.34	0.49	1.36	2.05	0.08			3.00
Net ET						2.15	7.76	7.88	2.10				19.89
Wetlands Narrow						3.52	12.13	12.37	4.15	0.02			32.18
St Dev						0.46	0.71	1.94	2.93	0.11			4.29
Net ET						2.95	11.32	11.59	3.34				29.21
ETr	1.10	1.64	3.67	5.29	6.90	8.50	9.45	8.70	6.20	3.96	2.06	1.09	58.57
St Dev	0.21	0.29	0.51	0.59	0.62	0.59	0.42	0.32	0.41	0.47	0.36	0.21	2.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FARMINGTON 3 NW

Aridity Index: 38%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.02, Long: -111.94, Elev: 4380 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.26	34.11	42.87	50.36	59.20	68.76	76.69	74.77	64.79	52.89	39.94	30.61	52.02
St Dev	4.88	3.94	3.08	3.70	2.71	3.13	2.66	2.39	2.70	2.71	3.46	3.42	1.55
Precip (in)	2.07	2.13	2.53	2.67	2.69	1.34	0.83	0.80	1.57	2.16	1.97	1.96	22.71
St Dev	1.06	1.29	1.41	1.58	1.66	1.20	0.76	0.83	1.54	1.34	1.19	1.61	5.84
Aridity Adj. (F)	0.76	0.72	1.03	1.41	2.09	2.58	2.17	2.13	2.17	1.98	1.37	0.91	1.61
Est. Dewpoint (F)	24.81	27.32	29.15	31.48	37.51	44.93	50.47	49.04	41.87	34.59	28.70	24.53	35.37
Rs (langley/day)	157	267	343	451	549	641	664	572	449	329	200	161	399
Wind (mpd)	65	70	100	101	111	94	86	93	86	81	78	63	86
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			0.01	2.39	5.95	7.07	7.26	7.00	5.25	1.71	0.10		36.75
St Dev			0.03	0.78	0.39	0.80	0.37	0.41	0.60	0.98	0.23		2.21
Net Irr				0.26	3.80	6.00	6.60	6.36	3.99				27.01
Alfalfa (Dairy)			0.01	2.39	5.38	6.32	7.29	6.64	4.48	1.99	0.08		34.59
St Dev			0.03	0.78	0.38	0.38	0.32	0.33	0.49	0.99	0.18		2.21
Net Irr				0.26	3.22	5.25	6.62	6.01	3.23	0.26			24.86
Apples / Cherries				1.30	5.51	8.66	10.01	8.97	5.18	2.29	0.02		41.94
St Dev				0.53	0.69	0.59	0.41	0.39	0.37	0.32	0.05		1.94
Net Irr					3.36	7.59	9.35	8.33	3.93	0.56			33.11
Barley			0.02	1.30	5.55	8.27	2.68						17.81
St Dev			0.04	0.49	0.94	0.53	1.52						1.01
Net Irr					3.39	7.19	2.02						12.61
Corn					0.94	3.82	9.09	6.46	0.89	0.01			21.20
St Dev					0.29	1.08	0.54	1.08	0.92	0.03			1.44
Net Irr						2.74	8.43	5.83					17.00
Melon					0.96	4.33	6.26	5.70	3.49	0.12			20.85
St Dev					0.35	0.71	0.26	0.28	0.50	0.21			1.31
Net Irr						3.26	5.59	5.06	2.23				16.14
Onion				0.12	3.12	6.31	9.58	8.46	2.59				30.18
St Dev				0.17	0.50	0.90	0.43	0.34	0.71				1.35
Net Irr					0.96	5.24	8.92	7.83	1.33				24.28
Other Hay			0.01	2.43	6.88	7.71	4.36	2.81	1.16	0.01			25.37
St Dev			0.03	0.79	0.60	0.64	0.44	0.13	0.22	0.03			1.15
Net Irr				0.30	4.72	6.63	3.70	2.17					17.53
Other Orchard				1.21	5.26	8.02	9.24	8.25	4.68	2.25	0.02		38.94
St Dev				0.49	0.67	0.53	0.38	0.36	0.33	0.31	0.05		1.81
Net Irr					3.11	6.95	8.58	7.61	3.43	0.52			30.19
Pasture			0.08	2.15	4.61	5.69	6.55	5.96	4.06	2.24	0.30		31.64
St Dev			0.12	0.50	0.36	0.37	0.27	0.29	0.27	0.38	0.36		1.74
Net Irr				0.02	2.45	4.61	5.88	5.32	2.80	0.51			21.61
Potato				0.01	1.31	4.87	7.31	4.64	0.38				18.52
St Dev				0.03	0.43	0.84	0.30	1.06	0.58				1.16
Net Irr						3.80	6.65	4.01					14.45
Spring Grain			0.02	1.25	5.33	8.45	3.86	0.02					18.92
St Dev			0.04	0.46	0.95	0.51	1.63	0.07					1.01
Net Irr					3.17	7.37	3.20						13.74
Winter Wheat			0.74	2.00	6.09	7.29	1.24						17.37
St Dev			0.20	0.54	0.97	1.03	1.03						0.97
Net Irr					3.94	6.21	0.58						10.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FARMINGTON 3 NW

Aridity Index: 38%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.02, Long: -111.94, Elev: 4380 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.08	1.72	3.73	7.10	6.51	1.54				20.68
St Dev				0.12	0.29	0.53	0.58	0.33	0.50				0.89
Net Irr						2.66	6.44	5.87	0.28				15.25
Small Fruit					1.26	4.98	9.18	8.38	4.07	0.01			27.88
St Dev					0.39	0.90	0.58	0.35	0.74	0.05			1.61
Net Irr						3.90	8.51	7.74	2.81				22.97
Turfgrass			0.13	2.18	3.91	5.02	5.78	5.26	3.62	2.23	0.34		28.46
St Dev			0.19	0.37	0.33	0.33	0.24	0.26	0.24	0.30	0.37		1.54
Net Irr				0.05	1.75	3.94	5.11	4.62	2.36	0.50			18.34
Open Water Deep	0.64	0.73	1.54	2.05	2.97	3.88	5.06	5.64	3.52	2.65	1.48	0.71	30.87
St Dev	0.13	0.14	0.22	0.32	0.31	0.41	0.38	0.39	0.32	0.30	0.22	0.10	1.69
Net Evap					0.81	2.81	4.40	5.01	2.26	0.92			16.21
Open Water Shallow	0.68	1.28	2.55	3.65	4.91	5.80	6.66	6.00	4.25	2.75	1.26	0.71	40.51
St Dev	0.12	0.18	0.24	0.33	0.30	0.32	0.23	0.24	0.24	0.23	0.15	0.09	1.55
Net Evap			0.53	1.52	2.75	4.73	6.00	5.36	3.00	1.02			24.91
Wetlands Large					0.38	5.04	9.82	9.20	6.26	3.07	0.17		33.95
St Dev					0.34	1.05	0.56	0.45	0.57	1.23	0.35		3.00
Net ET						3.97	9.16	8.57	5.00	1.34			28.03
Wetlands Narrow					0.45	6.88	14.02	13.15	8.94	4.39	0.24		48.07
St Dev					0.42	1.55	0.81	0.64	0.82	1.76	0.51		4.28
Net ET						5.81	13.36	12.51	7.68	2.66			42.02
ETr	0.78	1.41	3.39	4.98	6.87	8.36	9.63	8.76	6.03	3.82	1.73	0.80	56.58
St Dev	0.17	0.25	0.40	0.54	0.52	0.55	0.40	0.43	0.41	0.39	0.25	0.14	2.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FERRON

Aridity Index: 32%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 39.09, Long: -111.13, Elev: 5930 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.39	30.51	40.02	47.82	57.21	67.14	73.52	70.96	62.24	50.51	36.49	26.21	48.92
St Dev	5.17	4.56	3.59	3.49	2.86	2.98	2.65	1.83	2.29	2.84	2.98	3.65	1.58
Precip (in)	0.67	0.65	0.71	0.54	0.66	0.47	0.94	0.92	0.99	1.05	0.59	0.43	8.64
St Dev	0.65	0.63	0.59	0.64	0.58	0.50	0.74	0.62	0.90	1.02	0.63	0.39	2.26
Aridity Adj. (F)	0.64	0.61	0.86	1.18	1.76	2.18	1.82	1.79	1.82	1.66	1.15	0.77	1.35
Est. Dewpoint (F)	15.44	20.72	27.55	23.06	33.57	35.47	42.59	43.78	34.82	30.84	18.24	12.96	28.25
Rs (langleys/day)	168	289	410	537	593	644	606	508	508	344	259	195	422
Wind (mpd)	46	59	100	141	119	123	105	92	96	78	72	50	90
Calc. Wind Limit (mpd)	96	96	128	132	132	115	100	99	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)				0.77	4.73	6.55	7.29	5.12	2.43	0.08			26.97
St Dev				0.23	0.59	0.37	0.60	0.89	1.24	0.27			2.10
Net Irr				0.33	4.20	6.18	6.54	4.38	1.64				23.27
Alfalfa (Dairy)				0.77	4.73	6.13	6.28	4.94	2.51	0.10			25.45
St Dev				0.23	0.59	0.31	0.30	0.36	1.35	0.33			2.12
Net Irr				0.33	4.20	5.75	5.53	4.20	1.72				21.73
Barley				0.35	2.29	7.17	8.10	1.96	0.01				19.89
St Dev				0.07	0.51	0.90	0.48	1.16	0.04				0.50
Net Irr					1.76	6.80	7.36	1.22					17.13
Corn					0.14	1.79	5.18	6.55	3.44	0.16			17.26
St Dev					0.04	0.21	0.93	0.52	1.69	0.42			2.56
Net Irr						1.41	4.43	5.81	2.65				14.30
Other Hay				0.79	5.35	8.26	5.27	2.46	1.28	0.08			23.50
St Dev				0.24	0.53	0.48	0.37	0.10	0.29	0.10			1.15
Net Irr				0.36	4.82	7.89	4.52	1.72	0.49				19.80
Pasture				0.54	3.44	5.45	5.69	4.60	2.94	0.27			22.92
St Dev				0.09	0.31	0.32	0.29	0.21	0.87	0.37			1.62
Net Irr				0.10	2.91	5.08	4.94	3.86	2.15				19.03
Sorghum					0.18	2.45	6.16	6.03	3.29	0.02			18.12
St Dev					0.05	0.15	0.34	0.45	1.63	0.05			1.98
Net Irr						2.08	5.41	5.29	2.50				15.27
Spring Grain				0.35	2.18	6.94	8.36	2.98	0.10				20.92
St Dev				0.07	0.48	0.94	0.38	1.25	0.20				0.54
Net Irr					1.65	6.56	7.61	2.24					18.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FERRON

Aridity Index: 32%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 39.09, Long: -111.13, Elev: 5930 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.18	2.18	3.91	5.05	1.91				13.23
St Dev					0.04	0.13	0.21	0.56	1.26				1.68
Net Irr						1.80	3.16	4.31	1.12				10.39
Turfgrass				0.81	2.97	4.76	5.02	4.08	2.89	0.33			20.87
St Dev				0.12	0.26	0.28	0.26	0.17	0.73	0.42			1.42
Net Irr				0.38	2.44	4.39	4.27	3.34	2.10				16.92
Open Water Deep	0.23	0.28	0.55	1.92	2.20	3.72	4.04	3.40	2.66	1.50	0.95	0.37	21.81
St Dev	0.06	0.08	0.17	0.27	0.28	0.37	0.37	0.22	0.22	0.22	0.15	0.07	1.29
Net Evap				1.49	1.67	3.34	3.29	2.66	1.87	0.66	0.47	0.03	15.47
Open Water Shallow	0.50	1.00	2.17	3.70	4.58	5.45	5.68	4.78	4.13	2.31	1.22	0.63	36.16
St Dev	0.10	0.17	0.29	0.30	0.30	0.26	0.24	0.16	0.20	0.23	0.15	0.10	1.14
Net Evap		0.48	1.60	3.27	4.05	5.07	4.93	4.04	3.34	1.47	0.74	0.29	29.29
Wetlands Large						2.87	7.76	7.03	3.83	0.20			21.70
St Dev						0.54	0.59	0.53	1.91	0.51			2.85
Net ET						2.50	7.01	6.29	3.04				18.84
Wetlands Narrow						3.74	11.01	10.05	5.48	0.28			30.56
St Dev						0.73	0.87	0.75	2.72	0.73			4.07
Net ET						3.37	10.26	9.31	4.69				27.62
ETr	0.55	0.98	2.34	4.88	6.09	8.02	8.36	6.80	5.57	2.97	1.53	0.70	48.78
St Dev	0.13	0.22	0.45	0.49	0.51	0.47	0.43	0.29	0.33	0.39	0.24	0.14	1.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FILLMORE

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.97, Long: -112.33, Elev: 5120 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.44	34.41	42.83	49.68	58.57	68.27	75.67	73.76	64.67	52.63	39.44	30.03	51.62
St Dev	5.15	3.92	3.61	3.61	3.07	3.00	2.29	1.84	2.34	3.07	3.78	4.12	1.50
Precip (in)	1.38	1.43	1.94	1.79	1.60	0.75	0.76	0.84	1.09	1.77	1.46	1.40	16.21
St Dev	0.77	0.87	0.93	1.01	1.00	0.74	0.51	0.62	0.99	1.24	0.98	0.88	3.64
Aridity Adj. (F)	0.98	0.93	1.32	1.81	2.70	3.33	2.79	2.74	2.79	2.55	1.76	1.18	2.07
Est. Dewpoint (F)	22.89	23.64	25.09	27.44	33.55	38.59	46.03	45.16	37.68	31.79	26.60	23.68	31.84
Rs (langley/day)	189	297	404	520	609	731	690	653	540	363	234	201	453
Wind (mpd)	68	75	119	132	110	102	79	78	69	71	70	67	87
Calc. Wind Limit (mpd)	96	96	113	132	99	97	96	96	96	96	96	96	101
.....Inches.....													
Alfalfa (Beef)			0.09	3.84	6.38	8.00	7.20	6.84	4.77	0.94	0.01		38.07
St Dev			0.19	0.78	0.42	0.95	0.43	0.50	1.00	1.05	0.04		2.19
Net Irr				2.41	5.10	7.41	6.60	6.17	3.90				31.58
Alfalfa (Dairy)			0.09	3.84	5.84	6.98	7.21	6.55	4.21	0.95	0.01		35.68
St Dev			0.19	0.78	0.34	0.37	0.33	0.24	0.80	0.98	0.04		1.94
Net Irr				2.41	4.56	6.38	6.60	5.87	3.34				29.17
Barley			0.11	1.99	6.23	9.21	2.81						20.34
St Dev			0.12	0.56	0.97	0.51	1.74						0.77
Net Irr				0.55	4.95	8.61	2.20						16.31
Corn				0.02	1.39	4.93	9.12	6.28	0.85				22.59
St Dev				0.07	0.26	1.23	0.45	1.14	0.83				1.12
Net Irr					0.11	4.33	8.52	5.61					18.56
Other Hay			0.09	4.10	7.67	7.58	3.82	2.58	0.84				26.68
St Dev			0.20	0.81	0.51	0.73	0.26	0.15	0.21				1.05
Net Irr				2.67	6.38	6.98	3.21	1.91					21.16
Pasture			0.32	3.18	5.04	6.31	6.48	5.88	3.90	1.69	0.11		32.92
St Dev			0.23	0.45	0.34	0.36	0.29	0.21	0.43	0.84	0.23		1.98
Net Irr				1.75	3.76	5.71	5.87	5.21	3.03	0.27			25.61
Sorghum				0.03	1.81	6.04	8.52	7.77	1.42				25.59
St Dev				0.08	0.39	0.82	0.39	0.31	0.81				0.92
Net Irr					0.53	5.44	7.92	7.10	0.55				21.54
Spring Grain			0.11	1.90	5.98	9.40	4.05	0.03					21.47
St Dev			0.12	0.53	1.01	0.52	1.87	0.10					0.79
Net Irr				0.47	4.70	8.80	3.44						17.41
Winter Wheat		0.04	1.04	2.53	6.51	8.36	1.63						20.11
St Dev		0.05	0.19	0.67	1.06	1.01	1.35						0.84
Net Irr				1.10	5.23	7.76	1.02						15.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FILLMORE

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.97, Long: -112.33, Elev: 5120 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.37	2.13	4.73	7.51	5.78	0.82				21.35
St Dev				0.20	0.19	0.50	0.42	0.43	0.33				0.77
Net Irr					0.85	4.13	6.90	5.11					16.99
Turfgrass			0.49	2.91	4.35	5.57	5.72	5.20	3.59	1.77	0.13		29.73
St Dev			0.31	0.30	0.30	0.32	0.26	0.19	0.28	0.82	0.25		1.69
Net Irr				1.48	3.07	4.97	5.11	4.52	2.72	0.35			22.23
Open Water Deep	0.76	0.98	2.13	3.03	3.19	4.42	4.76	4.79	2.99	2.40	1.39	0.75	31.58
St Dev	0.15	0.17	0.30	0.40	0.34	0.44	0.35	0.25	0.24	0.26	0.24	0.13	1.42
Net Evap			0.58	1.59	1.91	3.82	4.15	4.11	2.13	0.98	0.22		19.49
Open Water Shallow	0.89	1.56	3.06	4.27	5.31	6.44	6.74	6.44	4.78	2.95	1.44	0.86	44.74
St Dev	0.14	0.20	0.26	0.31	0.29	0.30	0.25	0.17	0.20	0.22	0.19	0.13	1.16
Net Evap		0.42	1.51	2.84	4.03	5.84	6.14	5.77	3.91	1.53	0.27		32.25
Wetlands Large					1.10	7.00	9.97	9.10	6.00	1.70	0.03		34.89
St Dev					0.51	0.98	0.45	0.33	0.86	1.48	0.13		2.79
Net ET						6.40	9.36	8.42	5.13	0.28			29.60
Wetlands Narrow					1.37	9.77	14.24	12.99	8.57	2.43	0.04		49.40
St Dev					0.67	1.44	0.64	0.47	1.23	2.11	0.18		4.00
Net ET					0.09	9.17	13.63	12.32	7.70	1.01			43.92
ETr	1.07	1.87	4.24	6.14	7.44	9.28	9.53	8.66	6.07	3.88	1.88	0.96	61.03
St Dev	0.23	0.31	0.45	0.55	0.50	0.54	0.43	0.31	0.32	0.33	0.30	0.19	2.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FISH SPRINGS NWR

Aridity Index: 77%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.84, Long: -113.4, Elev: 4335 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.00	34.45	44.11	51.30	61.05	71.47	79.87	77.73	66.11	52.70	39.50	29.96	53.10
St Dev	5.75	4.68	3.23	3.54	2.83	3.30	2.77	2.03	2.41	2.72	3.40	4.13	1.51
Precip (in)	0.46	0.52	0.80	0.99	1.00	0.56	0.51	0.61	0.70	0.86	0.57	0.35	7.92
St Dev	0.25	0.41	0.61	0.77	0.83	0.58	0.41	0.70	0.61	0.67	0.41	0.31	2.39
Aridity Adj. (F)	1.54	1.46	2.08	2.85	4.24	5.24	4.39	4.31	4.39	4.00	2.77	1.85	3.26
Est. Dewpoint (F)	21.52	22.51	24.89	28.95	34.88	40.78	47.31	46.02	36.02	29.75	23.14	20.91	31.39
Rs (langley/day)	228	282	413	529	570	657	579	577	472	349	243	191	424
Wind (mpd)	80	115	132	154	146	129	127	163	132	104	122	90	124
Calc. Wind Limit (mpd)	96	96	121	132	110	106	96	103	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)			0.02	2.56	6.00	6.39	7.16	7.44	3.69	0.37			33.63
St Dev			0.06	0.76	0.65	0.60	0.49	0.63	1.26	0.60			2.43
Net Irr				1.77	5.20	5.94	6.75	6.94	3.13				29.74
Alfalfa (Dairy)			0.02	2.56	5.58	6.35	6.82	6.55	3.54	0.27			31.69
St Dev			0.06	0.76	0.50	0.48	0.40	0.34	1.07	0.45			2.13
Net Irr				1.77	4.78	5.91	6.41	6.06	2.99				27.91
Other Hay			0.02	2.83	6.67	7.28	3.94	2.73	1.04	0.01			24.52
St Dev			0.06	0.87	0.71	0.69	0.48	0.14	0.24	0.03			1.26
Net Irr				2.04	5.87	6.84	3.53	2.23	0.49				21.00
Pasture			0.10	2.32	4.43	5.60	6.17	5.91	3.64	0.83	0.02		29.01
St Dev			0.09	0.51	0.44	0.40	0.32	0.27	0.63	0.72	0.10		2.11
Net Irr				1.53	3.63	5.15	5.76	5.41	3.08	0.15			24.71
Spring Grain			0.03	1.17	4.18	8.32	6.41	0.36					20.47
St Dev			0.05	0.36	0.99	0.75	1.31	0.49					0.81
Net Irr				0.37	3.37	7.88	6.00						17.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FISH SPRINGS NWR

Aridity Index: 77%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.84, Long: -113.4, Elev: 4335 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.44	3.33	6.36	6.82	1.64				19.58
St Dev					0.19	0.29	0.43	0.29	0.65				1.10
Net Irr					0.64	2.88	5.95	6.33	1.08				16.87
Turfgrass			0.17	2.30	3.77	4.94	5.44	5.23	3.48	0.95	0.02		26.31
St Dev			0.15	0.40	0.39	0.36	0.29	0.23	0.44	0.76	0.12		1.86
Net Irr				1.51	2.97	4.49	5.03	4.74	2.93	0.27			21.94
Open Water Deep	0.54	0.85	1.69	2.14	2.70	3.82	5.03	5.50	3.38	2.39	1.44	0.70	30.17
St Dev	0.15	0.19	0.29	0.33	0.34	0.43	0.45	0.35	0.26	0.31	0.24	0.16	1.67
Net Evap	0.17	0.44	1.05	1.35	1.89	3.37	4.62	5.00	2.83	1.70	0.99	0.43	23.84
Open Water Shallow	0.73	1.26	2.77	3.86	4.73	5.68	5.91	5.87	4.19	2.59	1.28	0.65	39.50
St Dev	0.16	0.21	0.30	0.34	0.35	0.33	0.25	0.21	0.21	0.25	0.17	0.13	1.49
Net Evap	0.36	0.84	2.13	3.07	3.93	5.23	5.50	5.37	3.63	1.90	0.82	0.37	33.17
Wetlands Large					0.46	5.16	9.29	9.15	5.57	0.57			30.22
St Dev					0.40	1.11	0.65	0.41	1.09	0.91			2.65
Net ET						4.72	8.88	8.66	5.01				27.28
Wetlands Narrow					0.55	7.08	13.27	13.08	7.96	0.82			42.75
St Dev					0.50	1.63	0.95	0.58	1.55	1.30			3.78
Net ET						6.64	12.86	12.58	7.40	0.14			39.61
ETr	0.68	1.51	3.66	5.16	6.59	8.23	9.07	8.72	6.09	3.73	1.79	0.75	55.98
St Dev	0.23	0.37	0.54	0.58	0.63	0.59	0.48	0.39	0.38	0.48	0.33	0.25	2.70

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FLAMING GORGE

Aridity Index: 79%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.93, Long: -109.41, Elev: 6270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.70	26.18	34.91	42.74	51.78	60.83	68.14	66.25	56.97	46.01	32.63	24.06	44.43
St Dev	5.19	4.13	3.16	3.31	2.40	2.68	2.59	2.12	2.33	2.29	3.90	3.76	1.46
Precip (in)	0.55	0.57	1.08	1.48	1.64	1.04	0.95	1.25	1.22	1.41	0.79	0.57	12.54
St Dev	0.34	0.36	0.58	0.95	1.17	0.88	0.71	0.92	0.81	1.13	0.61	0.47	2.77
Aridity Adj. (F)	1.58	1.50	2.13	2.92	4.35	5.37	4.50	4.42	4.50	4.11	2.84	1.90	3.34
Est. Dewpoint (F)	12.66	14.30	16.16	16.26	22.03	25.10	32.07	33.13	25.63	22.46	14.88	11.73	20.54
Rs (langley/day)	203	288	389	480	543	583	570	509	439	320	208	169	392
Wind (mpd)	68	67	97	109	94	83	70	66	67	72	71	63	77
Calc. Wind Limit (mpd)	96	96	96	104	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					3.14	6.49	5.72	4.31	1.13				20.80
St Dev					0.40	0.53	0.79	1.05	1.23				2.44
Net Irr					1.83	5.66	4.96	3.31	0.15				15.92
Alfalfa (Dairy)					3.14	6.02	5.65	4.14	0.69				19.64
St Dev					0.40	0.41	0.74	1.38	0.80				2.34
Net Irr					1.83	5.19	4.89	3.14					15.05
Other Hay					3.45	7.20	6.76	2.65	0.92	0.01			20.99
St Dev					0.36	0.56	0.35	0.13	0.38	0.05			1.13
Net Irr					2.14	6.37	6.00	1.65					16.16
Pasture					2.13	4.67	5.15	4.33	1.61	0.02			17.92
St Dev					0.21	0.36	0.27	0.27	0.78	0.09			1.25
Net Irr					0.83	3.84	4.40	3.33	0.63				13.03
Spring Grain					1.24	4.39	7.62	5.19	0.54				18.98
St Dev					0.21	0.81	0.66	1.31	0.64				1.87
Net Irr						3.56	6.86	4.19					14.61

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FLAMING GORGE

Aridity Index: 79%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.93, Long: -109.41, Elev: 6270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.24	2.72	4.20	0.76				8.92
St Dev						0.10	0.15	0.19	0.84				0.96
Net Irr						0.41	1.96	3.20					5.58
Turfgrass					2.35	3.90	4.55	3.87	1.68	0.03			16.38
St Dev					0.23	0.30	0.24	0.19	0.73	0.12			1.10
Net Irr					1.04	3.07	3.79	2.87	0.71				11.48
Open Water Deep	0.51	0.49	1.06	1.64	2.10	2.62	3.01	2.77	1.96	1.58	0.98	0.56	19.27
St Dev	0.08	0.08	0.18	0.25	0.23	0.28	0.27	0.18	0.17	0.19	0.17	0.09	1.17
Net Evap	0.07	0.03	0.20	0.46	0.79	1.79	2.26	1.76	0.98	0.45	0.35	0.10	9.24
Open Water Shallow	0.69	1.09	2.27	3.28	4.19	4.71	5.17	4.62	3.49	2.20	1.05	0.63	33.40
St Dev	0.09	0.13	0.26	0.34	0.30	0.29	0.22	0.14	0.20	0.21	0.15	0.08	1.32
Net Evap	0.25	0.63	1.40	2.10	2.89	3.88	4.41	3.62	2.51	1.07	0.42	0.17	23.36
Wetlands Large						1.05	5.67	6.26	1.54	0.01			14.53
St Dev						0.33	0.65	1.15	1.60	0.03			2.57
Net ET						0.22	4.92	5.26	0.56				10.96
Wetlands Narrow						1.30	7.91	8.95	2.20	0.01			20.36
St Dev						0.43	0.96	1.64	2.28	0.05			3.66
Net ET						0.47	7.15	7.95	1.22				16.79
ETr	0.85	1.28	2.94	4.55	5.98	7.02	7.58	6.50	4.82	3.08	1.51	0.85	46.96
St Dev	0.14	0.19	0.43	0.59	0.53	0.55	0.40	0.24	0.34	0.38	0.28	0.14	2.34

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FREMONT INDIAN SP

Aridity Index: 59%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.58, Long: -112.34, Elev: 5920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.82	31.83	39.64	45.27	54.56	63.09	71.38	69.14	59.96	48.28	36.27	27.30	47.88
St Dev	4.71	3.70	3.06	3.03	2.63	2.73	1.98	1.57	2.15	2.50	3.11	3.71	1.25
Precip (in)	0.88	0.83	0.99	0.94	1.10	0.66	0.97	1.21	0.85	1.29	0.80	0.79	11.31
St Dev	0.64	0.50	0.53	0.72	0.74	0.62	0.63	0.90	0.71	1.03	0.54	0.62	2.45
Aridity Adj. (F)	1.18	1.12	1.59	2.18	3.25	4.01	3.36	3.30	3.36	3.07	2.12	1.42	2.50
Est. Dewpoint (F)	16.60	17.35	17.74	18.69	24.95	28.45	37.28	36.35	28.38	22.60	18.13	14.79	23.44
Rs (langley/day)	179	301	409	541	612	688	640	627	524	352	229	196	442
Wind (mpd)	93	99	145	159	136	123	101	105	96	102	99	96	113
Calc. Wind Limit (mpd)	96	96	132	132	127	117	96	96	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)				0.29	5.51	7.91	8.46	6.23	2.51				30.91
St Dev				0.08	0.65	1.29	0.71	0.78	1.41				2.65
Net Irr					4.63	7.38	7.68	5.26	1.83				26.78
Alfalfa (Dairy)				0.29	5.51	7.25	7.29	6.39	2.12				28.85
St Dev				0.08	0.65	1.11	0.37	0.46	1.44				2.32
Net Irr					4.63	6.72	6.51	5.42	1.44				24.72
Barley				0.15	2.57	8.18	9.46	2.79	0.01				23.17
St Dev				0.04	0.48	1.93	0.87	1.42	0.05				0.72
Net Irr					1.69	7.66	8.69	1.82					19.86
Melon						1.46	5.15	5.44	1.17				13.21
St Dev						0.24	0.25	0.60	1.10				1.59
Net Irr						0.93	4.37	4.47	0.49				10.26
Other Hay				0.28	6.03	9.83	7.16	3.37	1.28	0.02			27.97
St Dev				0.08	0.52	1.52	0.37	0.14	0.49	0.05			1.92
Net Irr					5.15	9.30	6.38	2.40	0.60				23.83
Pasture				0.19	3.77	6.39	6.56	5.94	2.48	0.04			25.37
St Dev				0.05	0.32	0.99	0.31	0.30	1.12	0.10			1.89
Net Irr					2.89	5.86	5.78	4.97	1.80				21.30
Spring Grain				0.15	2.46	7.89	9.70	4.19	0.09				24.48
St Dev				0.04	0.45	1.99	0.68	1.50	0.22				0.81
Net Irr					1.58	7.36	8.93	3.22					21.08

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FREMONT INDIAN SP

Aridity Index: 59%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.58, Long: -112.34, Elev: 5920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.74	3.53	5.83	1.81				12.92
St Dev						0.28	0.17	0.26	1.25				1.43
Net Irr						1.21	2.76	4.86	1.13				9.96
Turfgrass				0.33	3.62	5.48	5.78	5.31	2.60	0.05			23.17
St Dev				0.09	0.30	0.85	0.27	0.22	1.06	0.13			1.66
Net Irr					2.73	4.95	5.01	4.34	1.92				18.95
Open Water Deep	0.95	1.04	2.06	2.40	3.31	4.29	4.64	4.65	3.30	2.59	1.62	1.02	31.87
St Dev	0.18	0.18	0.30	0.31	0.36	0.78	0.33	0.23	0.24	0.28	0.24	0.17	1.50
Net Evap	0.25	0.38	1.28	1.64	2.43	3.76	3.86	3.67	2.61	1.55	0.98	0.39	22.82
Open Water Shallow	0.86	1.46	2.87	3.93	5.03	5.90	6.07	5.88	4.41	2.71	1.37	0.87	41.35
St Dev	0.13	0.18	0.27	0.30	0.30	0.91	0.22	0.15	0.18	0.21	0.16	0.12	1.32
Net Evap	0.16	0.79	2.08	3.18	4.14	5.38	5.29	4.91	3.73	1.67	0.74	0.24	32.30
Wetlands Large						1.99	7.93	9.15	3.18				22.24
St Dev						0.34	0.38	0.67	1.87				2.36
Net ET						1.46	7.15	8.18	2.50				19.29
Wetlands Narrow						2.50	11.14	13.07	4.55				31.25
St Dev						0.43	0.54	0.96	2.67				3.36
Net ET						1.98	10.36	12.10	3.87				28.30
ETr	1.47	2.06	4.37	5.80	7.73	9.43	9.64	8.88	6.74	4.43	2.35	1.47	64.38
St Dev	0.30	0.37	0.58	0.57	0.63	1.46	0.46	0.33	0.40	0.47	0.39	0.29	2.58

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FT DUCHESNE

Aridity Index: 60%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.28, Long: -109.86, Elev: 5050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	16.90	23.62	38.04	47.31	56.84	66.08	73.51	70.89	60.79	48.53	34.00	20.63	46.43
St Dev	7.94	7.85	4.04	3.48	2.98	2.98	2.43	2.46	2.58	2.73	3.14	5.23	2.26
Precip (in)	0.44	0.34	0.45	0.51	0.66	0.48	0.47	0.70	0.62	0.99	0.36	0.40	6.42
St Dev	0.61	0.27	0.40	0.45	0.54	0.50	0.58	0.69	0.67	0.95	0.34	0.39	2.13
Aridity Adj. (F)	1.20	1.14	1.62	2.22	3.30	4.08	3.42	3.36	3.42	3.12	2.16	1.44	2.54
Est. Dewpoint (F)	7.07	10.89	17.53	20.07	27.40	31.36	38.09	38.66	30.31	24.82	16.16	9.12	22.62
Rs (langley/day)	207	307	416	519	597	664	637	561	467	339	229	177	427
Wind (mpd)	54	62	100	121	110	99	84	78	76	74	67	55	82
Calc. Wind Limit (mpd)	96	96	96	120	111	99	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)				1.94	6.56	6.99	7.75	6.91	2.89	0.12			33.15
St Dev				0.94	0.91	0.56	0.59	0.66	1.12	0.27			2.37
Net Irr				1.53	6.03	6.60	7.37	6.35	2.40				30.28
Alfalfa (Dairy)				1.94	6.33	6.90	7.09	6.02	2.98	0.09			31.35
St Dev				0.94	0.75	0.50	0.39	0.30	1.06	0.21			2.05
Net Irr				1.53	5.80	6.51	6.72	5.46	2.48				28.50
Barley				0.90	4.36	9.00	6.89	0.36					21.51
St Dev				0.38	1.21	0.84	1.69	0.49					0.85
Net Irr				0.49	3.83	8.61	6.52						19.45
Corn					0.74	3.07	8.19	7.48	3.17	0.06			22.71
St Dev					0.25	0.78	1.01	0.51	0.93	0.19			1.47
Net Irr					0.21	2.69	7.82	6.92	2.67				20.31
Other Hay				2.05	7.18	8.79	5.00	2.73	1.26	0.04			27.07
St Dev				1.01	1.00	0.61	1.08	0.22	0.24	0.11			1.38
Net Irr				1.64	6.66	8.41	4.63	2.17	0.77				24.27
Pasture				1.60	4.85	6.13	6.45	5.45	3.35	0.59			28.41
St Dev				0.50	0.54	0.42	0.34	0.24	0.69	0.61			2.02
Net Irr				1.19	4.32	5.74	6.07	4.89	2.86				25.07
Sorghum					0.93	3.95	7.99	7.24	3.29	0.01			23.40
St Dev					0.32	0.67	0.64	0.33	0.59	0.05			1.35
Net Irr					0.40	3.56	7.62	6.68	2.80				21.05
Spring Grain				0.88	4.12	8.88	7.85	0.91					22.65
St Dev				0.36	1.15	0.92	1.36	0.86					0.85
Net Irr				0.47	3.60	8.50	7.47	0.35					20.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FT DUCHESNE

Aridity Index: 60%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.28, Long: -109.86, Elev: 5050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.10	3.03	5.74	6.59	2.06				18.53
St Dev					0.15	0.23	0.34	0.30	0.79				0.96
Net Irr					0.57	2.65	5.37	6.03	1.56				16.19
Turfgrass				1.92	4.05	5.40	5.69	4.83	3.25	0.68			25.82
St Dev				0.52	0.42	0.37	0.30	0.22	0.50	0.68			1.79
Net Irr				1.50	3.52	5.01	5.32	4.27	2.76				22.38
Open Water Deep	0.40	0.53	1.51	2.60	3.35	4.21	4.79	4.25	2.85	2.09	1.14	0.49	28.23
St Dev	0.12	0.14	0.27	0.34	0.40	0.42	0.40	0.27	0.24	0.27	0.16	0.10	1.63
Net Evap	0.05	0.26	1.14	2.19	2.82	3.83	4.42	3.69	2.36	1.30	0.85	0.17	23.09
Open Water Shallow	0.66	1.17	2.72	3.99	5.10	5.79	6.19	5.47	4.04	2.55	1.25	0.64	39.57
St Dev	0.15	0.22	0.33	0.30	0.38	0.31	0.26	0.19	0.23	0.23	0.16	0.11	1.40
Net Evap	0.30	0.90	2.36	3.58	4.57	5.41	5.81	4.91	3.55	1.77	0.96	0.32	34.44
Wetlands Large					0.25	4.74	9.42	8.45	4.83	0.23			27.92
St Dev					0.25	1.29	0.81	0.38	1.17	0.55			2.84
Net ET						4.36	9.04	7.89	4.33				25.62
Wetlands Narrow					0.29	6.40	13.42	12.07	6.90	0.33			39.40
St Dev					0.30	1.86	1.19	0.54	1.67	0.78			4.05
Net ET						6.01	13.04	11.51	6.40				36.97
ETr	0.78	1.37	3.69	5.92	7.59	9.01	9.48	8.05	5.88	3.70	1.75	0.82	58.05
St Dev	0.20	0.29	0.56	0.55	0.72	0.61	0.49	0.36	0.43	0.44	0.27	0.16	2.61

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GARFIELD

Aridity Index: 94%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.72, Long: -112.2, Elev: 4330 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.34	34.96	44.05	51.74	61.48	72.03	80.76	78.47	67.22	54.43	41.26	32.12	54.07
St Dev	4.84	4.20	3.28	3.56	3.17	3.28	2.87	2.27	2.96	2.77	3.23	3.43	1.64
Precip (in)	1.29	1.40	1.88	2.30	2.35	1.02	1.03	0.87	1.58	1.92	1.72	1.35	18.71
St Dev	0.74	0.82	0.84	1.40	1.45	0.86	0.95	0.99	1.83	1.35	0.97	0.91	4.89
Aridity Adj. (F)	1.88	1.79	2.54	3.48	5.17	6.39	5.36	5.26	5.36	4.89	3.38	2.26	3.98
Est. Dewpoint (F)	23.15	25.92	29.00	31.97	37.79	44.06	51.17	50.43	42.80	36.38	29.59	24.59	35.57
Rs (langley/day)	162	251	378	475	580	639	632	551	450	313	198	150	398
Wind (mpd)	79	81	115	127	115	107	105	114	98	92	93	69	99
Calc. Wind Limit (mpd)	96	96	96	108	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)			0.01	2.55	5.70	6.81	7.20	6.73	5.01	2.16	0.32		36.50
St Dev			0.03	0.77	0.32	0.89	0.42	0.45	0.58	0.71	0.39		2.34
Net Irr				0.72	3.82	6.00	6.38	6.04	3.75	0.63			27.32
Alfalfa (Dairy)			0.01	2.55	5.19	6.10	7.19	6.32	4.34	2.20	0.21		34.11
St Dev			0.03	0.77	0.30	0.37	0.39	0.30	0.38	0.64	0.28		2.13
Net Irr				0.72	3.31	5.28	6.36	5.63	3.08	0.66			25.04
Apples / Cherries				1.48	5.51	8.35	9.87	8.50	4.88	1.91	0.01		40.50
St Dev				0.56	0.73	0.60	0.50	0.32	0.32	0.30	0.03		1.96
Net Irr					3.63	7.53	9.05	7.80	3.61	0.37			31.99
Barley			0.03	1.35	5.30	7.99	2.75						17.42
St Dev			0.05	0.45	0.99	0.50	1.58						0.72
Net Irr					3.42	7.18	1.93						12.53
Corn					1.00	3.53	8.82	5.59	0.68	0.01			19.64
St Dev					0.28	1.15	0.64	1.47	0.90	0.06			0.90
Net Irr						2.72	8.00	4.89					15.61
Other Hay			0.01	2.65	6.67	7.19	4.13	2.62	1.03	0.01			24.31
St Dev			0.03	0.81	0.59	0.61	0.41	0.13	0.22	0.02			1.09
Net Irr				0.81	4.79	6.38	3.31	1.92					17.21
Other Orchard				1.39	5.26	7.72	9.11	7.80	4.42	1.88	0.01		37.59
St Dev				0.51	0.70	0.54	0.46	0.29	0.28	0.28	0.03		1.83
Net Irr					3.38	6.91	8.29	7.10	3.15	0.35			29.18
Pasture			0.11	2.23	4.44	5.47	6.45	5.68	3.91	2.05	0.43	0.01	30.78
St Dev			0.13	0.48	0.35	0.38	0.33	0.24	0.22	0.28	0.35	0.03	1.82
Net Irr				0.39	2.55	4.66	5.63	4.98	2.64	0.51			21.37
Spring Grain			0.03	1.29	5.08	8.14	3.93	0.02					18.49
St Dev			0.05	0.43	1.01	0.54	1.75	0.07					0.75
Net Irr					3.20	7.32	3.11						13.63

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GARFIELD

Aridity Index: 94%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.72, Long: -112.2, Elev: 4330 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden				0.15	1.73	3.76	7.17	6.01	1.28				20.10
St Dev				0.14	0.27	0.54	0.63	0.34	0.51				0.88
Net Irr						2.95	6.35	5.31	0.01				14.62
Turfgrass			0.18	2.20	3.78	4.83	5.69	5.01	3.47	1.98	0.47	0.01	27.63
St Dev			0.20	0.34	0.32	0.33	0.29	0.21	0.19	0.21	0.35	0.03	1.57
Net Irr				0.36	1.90	4.02	4.87	4.31	2.21	0.45			18.12
Open Water Deep	0.87	0.91	1.52	2.15	2.80	3.99	5.83	5.84	3.66	2.58	1.62	0.80	32.56
St Dev	0.14	0.14	0.22	0.30	0.32	0.44	0.53	0.39	0.31	0.28	0.23	0.11	1.94
Net Evap			0.01	0.31	0.92	3.17	5.01	5.14	2.40	1.04	0.24		18.25
Open Water Shallow	0.78	1.29	2.71	3.78	5.02	5.79	6.59	5.90	4.25	2.57	1.24	0.71	40.63
St Dev	0.10	0.15	0.27	0.33	0.34	0.35	0.30	0.23	0.21	0.21	0.15	0.08	1.69
Net Evap		0.17	1.20	1.94	3.14	4.97	5.77	5.20	2.99	1.03			26.42
Wetlands Large					0.56	5.28	9.78	8.77	6.05	3.24	0.48		34.18
St Dev					0.41	1.09	0.61	0.37	0.36	0.74	0.56		2.86
Net ET						4.47	8.96	8.07	4.79	1.71			28.00
Wetlands Narrow					0.68	7.28	13.96	12.53	8.65	4.64	0.69		48.42
St Dev					0.51	1.61	0.88	0.53	0.52	1.05	0.80		4.07
Net ET						6.47	13.14	11.83	7.38	3.10			41.92
ETr	0.94	1.47	3.32	4.89	6.59	8.05	9.49	8.35	5.78	3.37	1.63	0.84	54.72
St Dev	0.14	0.20	0.38	0.49	0.49	0.55	0.48	0.35	0.31	0.32	0.23	0.11	2.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GARRISON

Aridity Index: 51%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.93, Long: -114.03, Elev: 5260 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.51	34.75	41.72	48.44	57.54	67.02	74.78	73.05	62.98	51.05	38.80	30.11	50.81
St Dev	5.15	3.63	3.46	3.38	2.77	2.85	1.96	1.95	2.26	2.60	3.36	4.06	1.24
Precip (in)	0.45	0.61	0.84	0.72	0.90	0.53	0.68	0.77	0.88	0.93	0.50	0.34	8.15
St Dev	0.41	0.56	0.64	0.56	0.99	0.63	0.61	0.69	0.91	0.75	0.43	0.38	2.72
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	21.32	23.20	22.88	24.67	30.70	35.28	44.65	44.82	35.03	29.07	23.09	20.39	29.59
Rs (langley/day)	256	320	418	531	568	676	611	579	477	356	247	192	436
Wind (mpd)	88	100	118	130	127	127	117	131	122	102	106	91	113
Calc. Wind Limit (mpd)	96	96	130	132	119	118	96	105	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)			0.21	4.25	6.97	8.36	7.42	7.36	4.90	0.41			39.88
St Dev			0.17	0.81	0.49	1.05	0.37	0.51	1.29	0.56			2.73
Net Irr				3.67	6.25	7.94	6.87	6.74	4.19				35.67
Alfalfa (Dairy)			0.21	4.25	6.34	7.41	7.44	7.00	4.34	0.52			37.51
St Dev			0.17	0.81	0.40	0.44	0.36	0.30	1.03	0.76			2.28
Net Irr				3.67	5.62	6.99	6.89	6.39	3.64				33.19
Barley			0.14	1.96	6.43	9.97	3.69	0.01					22.20
St Dev			0.06	0.55	1.07	0.63	1.68	0.04					0.80
Net Irr				1.38	5.71	9.55	3.15						19.78
Corn					1.20	4.57	9.34	7.60	1.71	0.02			24.44
St Dev					0.15	0.91	0.58	0.58	0.95	0.06			0.89
Net Irr					0.48	4.15	8.79	6.99	1.00				21.41
Other Hay			0.21	4.71	8.29	7.45	3.81	2.66	0.77				27.90
St Dev			0.16	0.82	0.64	0.78	0.17	0.13	0.22				1.33
Net Irr				4.13	7.57	7.02	3.26	2.05	0.07				24.10
Pasture			0.22	3.18	5.42	6.69	6.68	6.29	4.13	1.16	0.02		33.78
St Dev			0.07	0.38	0.42	0.45	0.30	0.28	0.62	0.97	0.11		2.16
Net Irr				2.60	4.70	6.26	6.13	5.67	3.43	0.41			29.21
Sorghum					1.48	5.56	8.71	8.35	2.66				26.76
St Dev					0.16	0.43	0.41	0.36	0.27				1.01
Net Irr					0.76	5.14	8.16	7.74	1.95				23.75
Spring Grain			0.14	1.88	6.16	10.06	5.00	0.07					23.32
St Dev			0.06	0.52	1.07	0.68	1.63	0.18					0.81
Net Irr				1.30	5.44	9.63	4.45						20.83
Winter Wheat			1.00	2.28	6.40	9.57	2.54	0.01					21.81
St Dev			0.15	0.58	1.24	0.75	1.59	0.05					0.73
Net Irr			0.33	1.70	5.68	9.15	1.99						18.86

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GARRISON

Aridity Index: 51%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.93, Long: -114.03, Elev: 5260 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.50	3.69	6.54	7.46	2.37				21.56
St Dev					0.15	0.24	0.31	0.32	0.66				1.07
Net Irr					0.78	3.26	5.99	6.85	1.67				18.55
Turfgrass			0.36	2.98	4.66	5.90	5.89	5.57	3.94	1.30	0.03		30.63
St Dev			0.11	0.33	0.36	0.40	0.26	0.24	0.41	1.01	0.13		1.88
Net Irr				2.40	3.94	5.48	5.34	4.95	3.24	0.56			25.91
Open Water Deep	1.07	1.30	2.22	2.97	3.89	5.40	5.62	6.17	4.05	3.13	2.02	1.20	39.04
St Dev	0.24	0.25	0.32	0.42	0.41	0.54	0.37	0.37	0.33	0.38	0.32	0.20	1.88
Net Evap	0.71	0.81	1.55	2.39	3.17	4.97	5.07	5.56	3.34	2.39	1.62	0.93	32.52
Open Water Shallow	1.16	1.71	3.12	4.28	5.15	6.20	6.27	6.05	4.49	2.98	1.60	0.97	43.98
St Dev	0.19	0.26	0.29	0.36	0.30	0.33	0.22	0.20	0.22	0.26	0.20	0.14	1.36
Net Evap	0.80	1.22	2.45	3.70	4.43	5.77	5.72	5.44	3.78	2.24	1.20	0.70	37.46
Wetlands Large					0.91	7.01	10.26	9.74	6.30	0.99			35.22
St Dev					0.26	0.76	0.50	0.42	1.18	1.30			2.85
Net ET					0.19	6.59	9.71	9.13	5.60	0.25			31.47
Wetlands Narrow					1.10	9.74	14.65	13.91	9.01	1.42			49.83
St Dev					0.33	1.10	0.72	0.60	1.68	1.85			4.06
Net ET					0.38	9.32	14.10	13.30	8.30	0.68			46.08
ETr	1.43	2.22	4.51	6.34	7.99	9.84	9.82	9.28	6.82	4.59	2.52	1.49	66.85
St Dev	0.35	0.47	0.53	0.68	0.61	0.66	0.44	0.40	0.42	0.54	0.44	0.30	2.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GOLD HILL

Aridity Index: 100%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.17, Long: -113.83, Elev: 5250 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.13	34.72	42.64	49.19	59.35	69.13	77.70	76.06	64.57	52.10	38.92	30.58	52.09
St Dev	5.04	4.02	3.48	3.48	3.11	2.95	2.38	2.53	2.68	2.55	3.24	4.04	1.29
Precip (in)	0.75	0.72	1.01	1.20	1.60	0.73	0.80	1.01	1.01	1.26	0.72	0.55	11.37
St Dev	0.59	0.50	0.66	0.94	1.30	0.64	0.75	1.12	1.36	1.08	0.57	0.50	3.91
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	24.03	25.38	25.38	28.17	33.23	38.16	45.21	45.39	36.39	31.68	25.48	23.38	31.82
Rs (langleys/day)	255	323	438	573	605	689	595	597	486	355	248	202	447
Wind (mpd)	88	118	111	138	131	120	125	138	127	103	109	86	116
Calc. Wind Limit (mpd)	96	96	118	129	107	102	96	106	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)			0.23	3.35	6.19	6.57	7.01	7.41	4.30	0.75	0.01		35.80
St Dev			0.23	0.73	0.56	0.83	0.46	0.54	1.09	0.76	0.06		2.25
Net Irr				2.39	4.91	5.98	6.36	6.60	3.49				29.73
Alfalfa (Dairy)			0.23	3.35	5.67	6.31	6.83	6.58	3.85	0.61	0.01		33.44
St Dev			0.23	0.73	0.42	0.43	0.35	0.34	0.90	0.67	0.05		1.94
Net Irr				2.39	4.39	5.73	6.18	5.77	3.04				27.50
Barley			0.19	1.51	4.96	8.40	5.05	0.06					20.15
St Dev			0.13	0.45	1.05	0.66	1.61	0.17					0.87
Net Irr				0.55	3.68	7.81	4.40						16.44
Corn					1.21	3.07	8.06	7.72	2.86	0.28			23.19
St Dev					0.19	0.84	0.83	0.56	1.18	0.48			1.32
Net Irr						2.48	7.42	6.91	2.05				18.86
Other Hay			0.23	3.87	6.97	6.13	3.53	2.50	0.67				23.89
St Dev			0.25	0.83	0.65	0.90	0.25	0.15	0.25				1.44
Net Irr				2.91	5.69	5.55	2.88	1.69					18.71
Pasture			0.44	2.89	4.58	5.59	6.17	5.93	3.69	1.27	0.05		30.61
St Dev			0.26	0.49	0.42	0.44	0.29	0.27	0.53	0.79	0.11		1.89
Net Irr				1.92	3.30	5.01	5.53	5.12	2.88	0.26			24.03
Sorghum					1.61	5.34	8.12	7.87	1.47				24.41
St Dev					0.27	0.66	0.39	0.36	0.56				0.99
Net Irr					0.33	4.75	7.48	7.07	0.66				20.29
Spring Grain			0.19	1.45	4.71	8.38	6.24	0.28					21.25
St Dev			0.13	0.42	1.03	0.70	1.42	0.41					0.89
Net Irr				0.48	3.43	7.80	5.59						17.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GOLD HILL

Aridity Index: 100%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.17, Long: -113.83, Elev: 5250 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.62	3.50	6.57	6.64	1.65				19.98
St Dev					0.17	0.26	0.31	0.60	0.32				1.05
Net Irr					0.34	2.91	5.93	5.83	0.84				15.85
Turfgrass			0.63	2.53	3.99	4.94	5.45	5.25	3.45	1.37	0.06		27.65
St Dev			0.33	0.35	0.37	0.39	0.25	0.24	0.34	0.80	0.13		1.62
Net Irr				1.57	2.71	4.35	4.80	4.44	2.64	0.36			20.87
Open Water Deep	0.74	0.92	1.63	2.17	2.80	3.77	5.17	5.78	3.38	2.41	1.46	0.78	31.00
St Dev	0.16	0.17	0.24	0.37	0.35	0.42	0.39	0.41	0.28	0.28	0.23	0.14	1.49
Net Evap	0.14	0.34	0.82	1.21	1.52	3.18	4.53	4.97	2.57	1.40	0.89	0.34	21.90
Open Water Shallow	0.94	1.48	2.95	4.15	5.02	5.88	6.04	6.06	4.29	2.66	1.32	0.75	41.54
St Dev	0.15	0.20	0.28	0.41	0.39	0.39	0.24	0.24	0.22	0.23	0.18	0.11	1.47
Net Evap	0.34	0.90	2.14	3.19	3.74	5.29	5.40	5.25	3.49	1.65	0.75	0.31	32.44
Wetlands Large					1.18	6.47	9.50	9.19	5.72	1.20	0.01		33.26
St Dev					0.53	1.09	0.45	0.43	0.84	1.20	0.08		2.61
Net ET						5.88	8.85	8.38	4.91	0.19			28.21
Wetlands Narrow					1.47	9.05	13.56	13.12	8.16	1.72	0.02		47.12
St Dev					0.70	1.61	0.65	0.61	1.20	1.71	0.11		3.73
Net ET					0.19	8.47	12.92	12.31	7.36	0.71			41.96
ETr	0.79	1.52	3.59	5.19	6.75	8.23	9.08	8.75	5.91	3.48	1.62	0.74	55.64
St Dev	0.23	0.29	0.42	0.65	0.63	0.64	0.42	0.41	0.35	0.39	0.28	0.17	2.42

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GREEN RIVER AVIATION

Aridity Index: 43%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.99, Long: -110.15, Elev: 4070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.92	33.80	45.21	53.78	63.60	73.01	79.72	77.09	66.75	53.65	39.11	28.56	53.26
St Dev	8.13	5.86	3.15	3.25	2.73	2.80	2.36	2.34	2.36	2.59	2.43	3.46	1.94
Precip (in)	0.61	0.76	0.80	0.65	0.58	0.30	0.66	0.69	0.84	1.02	0.77	0.65	8.33
St Dev	0.63	1.59	0.80	0.64	0.48	0.35	0.79	0.61	0.70	1.07	1.30	1.56	4.05
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	15.16	21.03	27.13	26.51	36.38	38.40	45.80	46.76	36.76	30.69	19.11	15.32	29.92
Rs (langleys/day)	263	338	391	610	668	733	670	555	504	375	218	203	461
Wind (mpd)	50	61	112	145	129	99	71	61	56	62	61	56	80
Calc. Wind Limit (mpd)	96	96	112	132	129	99	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				2.74	7.14	7.31	6.87	6.00	2.89	0.22			33.17
St Dev				0.80	0.67	0.53	0.38	0.51	1.36	0.41			2.29
Net Irr				2.23	6.68	7.06	6.34	5.45	2.22				29.98
Alfalfa (Dairy)				2.74	6.61	7.19	6.67	5.25	2.64	0.16			31.26
St Dev				0.80	0.49	0.44	0.35	0.26	1.14	0.30			2.03
Net Irr				2.23	6.14	6.95	6.14	4.70	1.97				28.13
Barley				1.17	5.20	9.53	5.08	0.06					21.04
St Dev				0.35	1.06	0.63	1.47	0.19					0.85
Net Irr				0.66	4.74	9.28	4.55						19.23
Corn					1.10	4.10	8.35	6.12	1.99	0.02			21.68
St Dev					0.17	0.79	0.58	0.39	0.84	0.06			1.11
Net Irr					0.64	3.86	7.82	5.57	1.32				19.21
Melon					1.14	4.94	5.77	4.45	1.82	0.01			18.13
St Dev					0.18	0.40	0.27	0.42	0.98	0.05			1.31
Net Irr					0.68	4.70	5.24	3.90	1.15				15.66
Other Hay				2.92	7.88	8.72	4.04	2.27	0.98	0.01			26.83
St Dev				0.84	0.76	0.61	0.58	0.15	0.18	0.04			1.22
Net Irr				2.40	7.41	8.48	3.52	1.72	0.31				23.84
Pasture				1.94	5.17	6.35	6.03	4.77	3.02	0.43			27.70
St Dev				0.38	0.46	0.38	0.28	0.19	0.51	0.46			1.57
Net Irr				1.42	4.71	6.11	5.51	4.21	2.35				24.30
Sorghum					1.37	5.02	7.82	6.31	2.21				22.73
St Dev					0.19	0.45	0.38	0.27	0.59				0.94
Net Irr					0.90	4.77	7.29	5.76	1.54				20.27
Spring Grain				1.14	4.92	9.48	6.25	0.30					22.10
St Dev				0.33	1.01	0.68	1.24	0.43					0.89
Net Irr				0.62	4.46	9.24	5.73						20.05

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GREEN RIVER AVIATION

Aridity Index: 43%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.99, Long: -110.15, Elev: 4070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.42	3.42	5.81	5.55	1.48				17.68
St Dev					0.14	0.19	0.29	0.51	0.70				1.12
Net Irr					0.96	3.18	5.28	4.99	0.81				15.23
Turfgrass				2.24	4.30	5.60	5.32	4.22	2.94	0.52			25.14
St Dev				0.38	0.38	0.34	0.25	0.16	0.38	0.51			1.38
Net Irr				1.72	3.84	5.36	4.80	3.67	2.27				21.65
Open Water Deep	0.26	0.42	1.20	2.48	3.23	3.97	3.60	2.88	1.86	1.43	0.90	0.43	22.65
St Dev	0.10	0.13	0.28	0.38	0.39	0.38	0.28	0.18	0.16	0.20	0.12	0.09	1.25
Net Evap			0.56	1.96	2.77	3.72	3.07	2.32	1.19	0.62	0.28		16.50
Open Water Shallow	0.70	1.25	2.45	4.43	5.50	6.23	6.25	5.22	4.08	2.53	1.13	0.65	40.41
St Dev	0.19	0.23	0.31	0.33	0.32	0.27	0.24	0.16	0.22	0.24	0.13	0.12	1.16
Net Evap	0.21	0.64	1.80	3.91	5.03	5.99	5.73	4.67	3.41	1.71	0.51	0.13	33.75
Wetlands Large					1.12	6.92	9.25	7.36	4.32	0.35			29.33
St Dev					0.47	1.00	0.46	0.31	1.43	0.58			2.64
Net ET					0.66	6.68	8.73	6.81	3.65				26.53
Wetlands Narrow					1.39	9.64	13.22	10.52	6.17	0.50			41.44
St Dev					0.61	1.48	0.65	0.44	2.05	0.82			3.77
Net ET					0.93	9.40	12.69	9.96	5.50				38.48
ETr	0.63	1.34	3.39	6.15	7.88	9.34	8.87	7.03	5.18	3.23	1.63	0.77	55.45
St Dev	0.25	0.36	0.64	0.70	0.66	0.56	0.42	0.27	0.36	0.44	0.28	0.21	2.15

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GROUSE CREEK

Aridity Index: 60%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 41.71, Long: -113.87, Elev: 5320 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.23	27.68	36.11	42.95	51.95	60.36	69.09	67.43	57.64	46.25	33.28	24.28	45.02
St Dev	4.28	4.29	3.43	3.17	2.53	2.74	2.98	2.36	2.73	2.86	3.49	3.94	1.40
Precip (in)	1.05	0.84	0.92	1.11	1.48	0.97	0.84	0.71	0.74	0.97	0.98	1.08	11.68
St Dev	0.58	0.54	0.62	0.74	1.23	0.71	0.89	0.64	0.80	0.96	0.56	0.97	3.27
Aridity Adj. (F)	1.20	1.14	1.62	2.22	3.30	4.08	3.42	3.36	3.42	3.12	2.16	1.44	2.54
Est. Dewpoint (F)	13.71	17.24	20.56	22.59	28.84	34.21	39.41	37.06	30.87	24.47	19.17	13.88	25.17
Rs (langley/day)	178	268	370	486	574	645	635	556	449	311	196	150	402
Wind (mpd)	111	98	131	171	145	130	126	124	121	119	121	100	125
Calc. Wind Limit (mpd)	113	128	132	132	132	127	109	109	103	114	110	101	117
.....Inches.....													
Alfalfa (Beef)				0.02	4.07	7.03	7.34	5.25	1.38	0.01			25.09
St Dev				0.03	0.61	0.61	0.79	1.44	1.53	0.03			3.26
Net Irr					2.88	6.25	6.67	4.69	0.79				21.28
Alfalfa (Dairy)				0.02	4.07	6.29	6.97	5.58	0.94	0.01			23.88
St Dev				0.03	0.61	0.36	0.48	1.65	1.25	0.03			2.82
Net Irr					2.88	5.51	6.30	5.01	0.35				20.06
Barley				0.01	1.74	5.77	9.43	4.59	0.06				21.60
St Dev				0.02	0.39	1.02	0.61	1.53	0.16				1.43
Net Irr					0.56	4.99	8.76	4.03					18.33
Other Hay				0.02	4.53	8.02	7.37	3.22	0.98	0.02			24.15
St Dev				0.03	0.55	0.74	0.50	0.29	0.61	0.06			1.52
Net Irr					3.35	7.24	6.70	2.66	0.38				20.33
Pasture				0.01	2.85	5.20	6.26	5.47	1.84	0.04			21.68
St Dev				0.02	0.33	0.48	0.42	0.63	1.31	0.11			2.03
Net Irr					1.67	4.42	5.60	4.91	1.24				17.84
Safflower						2.27	9.09	7.73	1.86	0.02			20.98
St Dev						0.23	0.60	1.11	1.51	0.07			2.62
Net Irr						1.50	8.42	7.16	1.26				18.35
Spring Grain				0.01	1.68	5.49	9.43	5.59	0.25				22.46
St Dev				0.02	0.36	1.01	0.64	1.56	0.30				1.77
Net Irr					0.50	4.71	8.76	5.03					19.00
Winter Wheat				0.99	2.04	5.58	9.24	3.42	0.07				21.34
St Dev				0.16	0.42	1.28	0.63	1.62	0.11				1.34
Net Irr				0.10	0.86	4.81	8.57	2.86					17.19

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GROUSE CREEK

Aridity Index: 60%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 41.71, Long: -113.87, Elev: 5320 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.25	3.19	5.32	1.20				10.96
St Dev						0.11	0.21	0.28	1.03				1.20
Net Irr						0.47	2.52	4.76	0.61				8.36
Turfgrass				0.02	2.91	4.42	5.53	4.95	1.91	0.06			19.79
St Dev				0.04	0.32	0.40	0.37	0.48	1.25	0.15			1.81
Net Irr					1.73	3.65	4.86	4.38	1.31				15.92
Open Water Deep	0.85	0.72	1.35	1.75	2.55	3.29	4.40	4.73	2.93	2.60	1.42	0.83	27.42
St Dev	0.11	0.13	0.25	0.32	0.35	0.41	0.46	0.35	0.30	0.35	0.25	0.12	1.69
Net Evap	0.01	0.05	0.61	0.87	1.37	2.51	3.73	4.17	2.34	1.83	0.63		18.11
Open Water Shallow	0.66	1.06	2.25	3.30	4.43	5.15	5.86	5.29	3.73	2.33	1.03	0.58	35.68
St Dev	0.07	0.13	0.26	0.36	0.37	0.35	0.30	0.20	0.23	0.22	0.16	0.08	1.40
Net Evap		0.39	1.52	2.41	3.25	4.37	5.19	4.73	3.14	1.55	0.24		26.80
Wetlands Large						1.35	7.20	7.96	1.78	0.02			18.31
St Dev						0.24	0.60	2.11	1.87	0.11			3.72
Net ET						0.58	6.53	7.39	1.19				15.69
Wetlands Narrow						1.68	10.07	11.37	2.55	0.04			25.70
St Dev						0.30	0.86	3.02	2.68	0.15			5.31
Net ET						0.90	9.40	10.80	1.95				23.06
ETr	1.00	1.33	3.01	4.53	6.32	7.71	9.21	8.45	5.83	3.94	1.72	0.96	54.00
St Dev	0.14	0.23	0.47	0.67	0.71	0.71	0.61	0.44	0.48	0.50	0.39	0.19	2.80

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GUNNISON

Aridity Index: 37%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.15, Long: -111.82, Elev: 5146 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.44	33.13	40.36	46.52	56.07	64.75	71.98	69.98	60.73	49.37	36.77	27.36	48.62
St Dev	4.73	4.45	3.09	3.39	2.67	2.70	1.89	1.80	2.29	2.50	3.16	3.71	1.33
Precip (in)	0.70	0.68	0.96	0.87	0.88	0.48	0.46	0.62	0.79	0.97	0.77	0.67	8.85
St Dev	0.51	0.45	0.57	0.49	0.59	0.45	0.34	0.36	0.73	0.58	0.62	0.49	2.64
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	20.14	22.87	21.66	22.00	29.09	33.13	38.93	38.45	30.50	26.29	20.21	18.12	26.78
Rs (langleys/day)	195	305	385	541	581	705	647	593	490	356	207	174	432
Wind (mpd)	74	77	117	134	116	107	93	97	85	80	77	72	94
Calc. Wind Limit (mpd)	96	96	116	132	113	101	96	101	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				2.70	7.05	7.28	8.00	7.93	2.85	0.16			35.95
St Dev				0.64	0.67	0.48	0.51	0.58	1.64	0.49			2.57
Net Irr				2.00	6.34	6.90	7.64	7.43	2.22				32.52
Alfalfa (Dairy)				2.70	6.69	7.25	7.53	6.85	2.76	0.12			33.89
St Dev				0.64	0.57	0.50	0.39	0.37	1.46	0.37			2.34
Net Irr				2.00	5.98	6.87	7.17	6.35	2.12				30.49
Apples / Cherries					2.24	7.80	10.45	9.61	5.65	0.75	0.01		36.49
St Dev					0.23	0.45	0.47	0.34	1.53	1.13	0.06		2.76
Net Irr					1.53	7.42	10.08	9.11	5.01				33.15
Barley				1.13	4.82	9.54	6.88	0.24					22.61
St Dev				0.28	0.99	0.74	1.50	0.42					0.62
Net Irr				0.44	4.12	9.15	6.51						20.22
Corn					0.45	2.83	8.52	8.73	3.16	0.05			23.74
St Dev					0.06	0.43	0.72	0.28	1.23	0.12			1.65
Net Irr						2.45	8.15	8.24	2.52				21.36
Other Hay				2.90	7.81	8.82	4.53	2.98	1.16	0.01			28.21
St Dev				0.64	0.65	0.53	0.33	0.11	0.28	0.02			1.27
Net Irr				2.20	7.11	8.44	4.16	2.48	0.53				24.92
Other Orchard					2.07	7.48	9.65	8.87	5.20	0.67	0.01		33.95
St Dev					0.21	0.44	0.43	0.31	1.41	1.02	0.06		2.53
Net Irr					1.37	7.10	9.29	8.37	4.56				30.69
Pasture				1.92	5.12	6.39	6.84	6.22	3.29	0.43	0.01		30.21
St Dev				0.26	0.40	0.38	0.31	0.25	1.09	0.71	0.04		2.23
Net Irr				1.22	4.41	6.01	6.47	5.72	2.66				26.50
Safflower					0.50	8.19	10.06	8.78	3.38	0.31			31.21
St Dev					0.07	0.48	0.45	0.62	1.54	0.54			2.78
Net Irr						7.81	9.69	8.28	2.74				28.53
Sorghum					0.56	3.35	8.02	8.31	3.78				24.02
St Dev					0.08	0.19	0.37	0.29	1.49				1.65
Net Irr						2.97	7.65	7.82	3.15				21.58
Spring Grain				1.11	4.56	9.45	8.00	0.74					23.86
St Dev				0.26	0.94	0.80	1.15	0.75					0.60
Net Irr				0.41	3.86	9.07	7.63	0.24					21.21
Winter Wheat			0.69	1.83	4.90	9.42	5.40	0.18					22.41
St Dev			0.12	0.35	1.24	0.77	1.90	0.29					0.66
Net Irr				1.14	4.19	9.04	5.03						19.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GUNNISON

Aridity Index: 37%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.15, Long: -111.82, Elev: 5146 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.56	2.73	5.19	7.05	2.18				17.72
St Dev					0.08	0.16	0.24	0.95	1.39				2.14
Net Irr						2.35	4.82	6.55	1.55				15.27
Turfgrass				2.24	4.25	5.64	6.03	5.54	3.29	0.50	0.01		27.51
St Dev				0.29	0.33	0.34	0.27	0.19	0.91	0.77	0.05		1.97
Net Irr				1.54	3.54	5.26	5.67	5.04	2.66				23.72
Open Water Deep	0.63	0.83	1.90	2.72	3.38	4.18	5.14	5.37	3.38	2.43	1.46	0.76	32.17
St Dev	0.11	0.16	0.29	0.40	0.37	0.39	0.35	0.27	0.25	0.27	0.22	0.12	1.56
Net Evap	0.07	0.28	1.13	2.02	2.67	3.80	4.78	4.87	2.75	1.66	0.84	0.22	25.10
Open Water Shallow	0.77	1.45	2.78	4.14	5.03	6.05	6.31	5.89	4.35	2.79	1.32	0.77	41.64
St Dev	0.11	0.19	0.28	0.36	0.30	0.28	0.22	0.15	0.18	0.22	0.15	0.09	1.21
Net Evap	0.21	0.90	2.01	3.45	4.32	5.67	5.94	5.39	3.71	2.01	0.71	0.23	34.56
Wetlands Large						4.39	9.86	9.70	4.60	0.22			28.77
St Dev						0.29	0.46	0.34	1.95	0.60			2.55
Net ET						4.00	9.49	9.20	3.97				26.67
Wetlands Narrow						5.79	14.06	13.86	6.58	0.32			40.60
St Dev						0.39	0.66	0.49	2.79	0.85			3.63
Net ET						5.41	13.69	13.36	5.94				38.40
ETr	0.98	1.76	4.15	6.18	7.79	9.40	10.06	9.24	6.63	4.23	2.15	1.11	63.68
St Dev	0.19	0.30	0.56	0.71	0.61	0.57	0.45	0.32	0.37	0.45	0.33	0.19	2.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HANKSVILLE

Aridity Index: 56%, Temp. Adj. (F): -9, Period: 1971-2008, Lat: 38.37, Long: -110.72, Elev: 4308 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.33	35.64	45.68	54.24	64.02	73.96	80.45	77.55	67.41	54.02	39.30	29.17	54.06
St Dev	6.51	4.57	3.25	3.25	2.68	2.67	2.53	1.99	2.08	2.50	2.83	3.43	1.69
Precip (in)	0.51	0.30	0.53	0.46	0.49	0.26	0.48	0.64	0.83	0.79	0.47	0.31	6.07
St Dev	0.55	0.22	0.47	0.47	0.54	0.29	0.40	0.47	0.71	1.03	0.50	0.29	1.73
Aridity Adj. (F)	1.12	1.06	1.51	2.07	3.08	3.81	3.19	3.14	3.19	2.91	2.02	1.34	2.37
Est. Dewpoint (F)	16.59	22.57	26.83	26.96	35.36	41.75	49.71	47.58	37.17	29.83	19.26	15.11	30.73
Rs (langley/day)	226	316	416	545	627	701	677	582	451	332	230	195	442
Wind (mpd)	61	68	83	99	88	81	61	63	67	67	70	62	73
Calc. Wind Limit (mpd)	96	96	120	120	120	120	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				1.02	5.64	6.27	6.81	5.97	1.62	0.02			27.36
St Dev				0.19	0.61	0.41	0.58	0.77	1.02	0.09			1.78
Net Irr				0.65	5.26	6.06	6.43	5.46	0.96				24.82
Alfalfa (Dairy)				1.02	5.63	6.26	6.04	5.01	1.93	0.01			25.90
St Dev				0.19	0.60	0.44	0.33	0.60	1.02	0.05			1.72
Net Irr				0.65	5.24	6.06	5.66	4.49	1.27				23.37
Barley				0.43	3.21	8.09	6.53	0.39					18.65
St Dev				0.07	0.57	0.74	0.95	0.46					0.75
Net Irr				0.06	2.82	7.89	6.15						16.92
Other Hay				1.03	6.08	8.41	4.92	2.51	1.04	0.04			24.04
St Dev				0.19	0.52	0.58	0.31	0.15	0.33	0.06			1.18
Net Irr				0.66	5.69	8.21	4.54	2.00	0.38				21.47
Pasture				0.65	3.88	5.58	5.55	4.72	2.34	0.12			22.84
St Dev				0.10	0.32	0.38	0.30	0.31	0.91	0.18			1.45
Net Irr				0.28	3.49	5.38	5.17	4.21	1.68				20.21
Spring Grain				0.43	3.05	7.95	7.20	0.97					19.60
St Dev				0.07	0.54	0.77	0.80	0.69					0.83
Net Irr				0.06	2.66	7.75	6.81	0.46					17.75

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HANKSVILLE

Aridity Index: 56%, Temp. Adj. (F): -9, Period: 1971-2008, Lat: 38.37, Long: -110.72, Elev: 4308 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden					0.32	2.29	3.97	5.22	1.47				13.25
St Dev					0.05	0.15	0.22	0.62	1.20				1.63
Net Irr						2.08	3.58	4.70	0.80				11.17
Turfgrass				0.96	3.32	4.89	4.90	4.21	2.37	0.16			20.80
St Dev				0.14	0.27	0.34	0.26	0.26	0.81	0.24			1.28
Net Irr				0.59	2.93	4.68	4.51	3.70	1.71				18.13
Open Water Deep	0.29	0.39	0.78	1.62	2.01	2.66	2.45	2.56	1.97	1.40	0.90	0.42	17.45
St Dev	0.11	0.14	0.19	0.25	0.24	0.29	0.21	0.17	0.20	0.21	0.15	0.09	1.04
Net Evap		0.15	0.35	1.25	1.62	2.46	2.06	2.05	1.30	0.77	0.52	0.17	12.71
Open Water Shallow	0.60	1.16	2.40	3.79	4.88	5.70	6.02	5.27	3.71	2.25	1.10	0.61	37.50
St Dev	0.15	0.21	0.29	0.32	0.30	0.30	0.25	0.21	0.23	0.24	0.16	0.11	1.21
Net Evap	0.20	0.91	1.98	3.42	4.50	5.49	5.64	4.76	3.05	1.62	0.72	0.35	32.64
Wetlands Large						3.43	7.83	7.21	2.91	0.03			21.40
St Dev						0.24	0.44	0.60	1.63	0.13			2.13
Net ET						3.22	7.45	6.70	2.25				19.62
Wetlands Narrow						4.49	11.15	10.30	4.16	0.04			30.14
St Dev						0.32	0.63	0.86	2.32	0.19			3.05
Net ET						4.29	10.76	9.79	3.49				28.34
ETr	0.67	1.29	3.04	5.18	6.73	8.21	8.16	7.04	5.16	3.17	1.62	0.79	51.06
St Dev	0.26	0.38	0.51	0.58	0.55	0.56	0.44	0.40	0.44	0.49	0.35	0.23	2.35

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HANS FLAT RS

Aridity Index: 94%, Temp. Adj. (F): -8.5, Period: 1971-2008, Lat: 38.26, Long: -110.18, Elev: 6600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.15	33.76	42.03	48.78	59.26	69.80	76.11	73.62	65.13	52.82	39.09	29.64	51.60
St Dev	4.75	4.07	3.61	3.59	3.10	3.14	2.78	2.04	2.45	3.29	3.62	3.50	1.57
Precip (in)	0.76	0.54	0.97	0.81	0.71	0.42	1.02	1.08	0.97	1.35	0.90	0.72	10.25
St Dev	0.62	0.39	0.85	0.73	0.61	0.46	0.75	0.68	0.66	1.28	0.62	0.59	2.33
Aridity Adj. (F)	1.88	1.79	2.54	3.48	5.17	6.39	5.36	5.26	5.36	4.89	3.38	2.26	3.98
Est. Dewpoint (F)	23.28	25.14	28.35	26.59	35.35	43.48	50.60	48.79	40.83	34.32	24.38	20.59	33.48
Rs (langley/day)	230	356	453	582	662	738	676	607	502	384	251	211	471
Wind (mpd)	73	79	104	126	111	97	74	74	76	78	80	75	87
Calc. Wind Limit (mpd)	96	96	120	120	120	120	98	96	96	101	98	96	105
.....Inches.....													
Alfalfa (Beef)				0.82	4.12	5.67	5.89	4.40	2.61	0.21			23.73
St Dev				0.12	0.47	0.35	0.63	0.54	0.81	0.41			1.57
Net Irr				0.17	3.56	5.34	5.08	3.54	1.83				19.50
Alfalfa (Dairy)				0.82	4.12	5.19	5.22	4.48	2.46	0.20			22.48
St Dev				0.12	0.47	0.32	0.30	0.24	0.86	0.38			1.40
Net Irr				0.17	3.56	4.85	4.40	3.62	1.68				18.27
Other Hay				0.88	4.91	6.73	4.02	2.11	0.97	0.06			19.67
St Dev				0.13	0.41	0.43	0.27	0.11	0.16	0.05			0.97
Net Irr				0.23	4.34	6.39	3.20	1.24	0.20				15.60
Pasture				0.55	3.13	4.49	4.69	4.04	2.35	0.33			19.57
St Dev				0.07	0.26	0.28	0.27	0.21	0.55	0.43			1.19
Net Irr					2.57	4.15	3.87	3.17	1.57				15.33
Spring Grain				0.35	1.75	5.26	7.02	3.80	0.40				18.59
St Dev				0.04	0.40	0.91	0.42	1.24	0.44				0.98
Net Irr					1.19	4.92	6.20	2.94					15.25

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HANS FLAT RS

Aridity Index: 94%, Temp. Adj. (F): -8.5, Period: 1971-2008, Lat: 38.26, Long: -110.18, Elev: 6600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.06	1.76	3.10	4.40	1.97	0.04			11.33
St Dev					0.02	0.11	0.19	0.33	1.07	0.14			1.28
Net Irr						1.42	2.28	3.54	1.19				8.43
Turfgrass				0.79	2.66	3.94	4.14	3.57	2.28	0.39			17.76
St Dev				0.09	0.22	0.25	0.24	0.18	0.42	0.46			1.05
Net Irr				0.14	2.09	3.60	3.32	2.71	1.50				13.36
Open Water Deep	0.14	0.21	0.42	1.12	1.43	1.76	1.74	1.87	1.38	1.03	0.70	0.29	12.08
St Dev	0.06	0.07	0.13	0.17	0.19	0.19	0.18	0.14	0.14	0.17	0.12	0.06	0.83
Net Evap				0.48	0.87	1.42	0.92	1.00	0.60				5.29
Open Water Shallow	0.53	1.17	2.31	3.57	4.67	5.49	5.65	5.08	3.74	2.30	1.04	0.54	36.09
St Dev	0.09	0.15	0.27	0.30	0.31	0.27	0.28	0.22	0.22	0.23	0.14	0.09	1.32
Net Evap		0.73	1.54	2.92	4.11	5.15	4.83	4.22	2.97	1.22	0.31		28.00
Wetlands Large						3.02	6.72	6.23	3.59	0.37			19.94
St Dev						0.32	0.43	0.36	1.07	0.63			1.70
Net ET						2.68	5.91	5.37	2.82				16.77
Wetlands Narrow						3.98	9.58	8.90	5.13	0.53			28.13
St Dev						0.44	0.62	0.51	1.52	0.89			2.42
Net ET						3.64	8.77	8.04	4.36				24.80
ETr	0.15	0.78	2.09	3.92	5.34	6.60	6.89	5.96	4.18	2.28	0.96	0.29	39.44
St Dev	0.14	0.17	0.34	0.40	0.44	0.42	0.40	0.30	0.29	0.31	0.18	0.12	2.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HEBER

Aridity Index: 26%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 40.49, Long: -111.43, Elev: 5630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.27	27.73	37.40	44.94	53.55	61.58	68.83	67.33	58.68	48.22	35.61	25.19	46.03
St Dev	5.27	4.99	3.61	3.09	2.98	2.71	2.58	2.62	2.68	2.60	3.88	4.40	2.05
Precip (in)	1.79	1.61	1.39	1.25	1.33	0.82	0.71	0.88	1.24	1.64	1.45	1.47	15.58
St Dev	1.63	1.05	0.73	0.63	0.94	0.76	0.71	0.66	1.04	1.25	0.89	1.01	4.30
Aridity Adj. (F)	0.52	0.49	0.70	0.96	1.43	1.77	1.48	1.46	1.48	1.35	0.94	0.62	1.10
Est. Dewpoint (F)	12.57	14.20	18.74	21.53	26.78	30.46	34.85	35.55	29.20	25.07	19.24	14.22	23.54
Rs (langley/day)	180	266	362	471	579	653	631	584	466	312	224	160	407
Wind (mpd)	46	50	74	84	99	83	69	72	62	73	64	45	68
Calc. Wind Limit (mpd)	96	96	100	115	96	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				0.21	4.19	6.54	6.54	4.68	1.45	0.01			23.63
St Dev				0.14	0.75	0.45	0.76	1.07	1.31	0.06			2.75
Net Irr					3.13	5.89	5.97	3.98	0.46				19.42
Alfalfa (Dairy)				0.21	4.19	5.93	6.02	4.89	1.14	0.02			22.40
St Dev				0.14	0.75	0.38	0.35	1.22	1.12	0.09			2.62
Net Irr					3.13	5.28	5.45	4.19	0.15				18.19
Barley				0.12	1.88	5.79	8.09	4.05	0.13				20.07
St Dev				0.05	0.49	1.05	0.44	1.46	0.26				1.00
Net Irr					0.82	5.13	7.52	3.35					16.82
Other Hay				0.20	4.72	7.65	5.97	2.70	0.89	0.02			22.16
St Dev				0.13	0.73	0.62	0.44	0.32	0.42	0.07			1.55
Net Irr					3.66	6.99	5.40	2.00					18.06
Pasture				0.17	3.09	4.99	5.40	4.70	1.73	0.05			20.13
St Dev				0.06	0.34	0.39	0.32	0.70	0.93	0.15			1.94
Net Irr					2.02	4.33	4.83	4.00	0.74				15.92
Spring Grain				0.12	1.81	5.52	8.13	4.93	0.35				20.86
St Dev				0.05	0.46	1.07	0.48	1.37	0.43				1.30
Net Irr					0.74	4.87	7.56	4.23					17.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HEBER

Aridity Index: 26%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 40.49, Long: -111.43, Elev: 5630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.48	3.04	4.75	0.76				10.02
St Dev						0.12	0.19	0.47	0.83				1.30
Net Irr						0.83	2.47	4.05					7.34
Turfgrass				0.29	2.90	4.29	4.77	4.22	1.79	0.06			18.33
St Dev				0.09	0.31	0.34	0.28	0.54	0.88	0.19			1.72
Net Irr					1.84	3.63	4.20	3.52	0.80				13.99
Open Water Deep	0.30	0.35	0.78	1.17	2.05	2.48	2.89	3.04	1.81	1.67	0.86	0.32	17.72
St Dev	0.06	0.07	0.16	0.19	0.29	0.28	0.27	0.27	0.20	0.22	0.18	0.07	1.38
Net Evap				0.17	0.99	1.83	2.32	2.34	0.82	0.37			8.83
Open Water Shallow	0.57	0.98	2.09	3.11	4.41	5.09	5.53	5.16	3.65	2.22	1.08	0.51	34.39
St Dev	0.08	0.13	0.28	0.30	0.36	0.31	0.26	0.23	0.24	0.22	0.17	0.09	1.60
Net Evap			0.98	2.10	3.34	4.43	4.95	4.46	2.66	0.92			23.84
Wetlands Large						1.56	6.49	7.07	2.00	0.05			17.17
St Dev						0.45	0.76	1.43	1.64	0.22			3.25
Net ET						0.91	5.92	6.37	1.01				14.20
Wetlands Narrow						1.98	9.12	10.10	2.85	0.06			24.11
St Dev						0.60	1.12	2.04	2.34	0.31			4.63
Net ET						1.32	8.55	9.39	1.86				21.12
ETr	0.63	1.10	2.61	4.09	6.17	7.35	7.95	7.27	4.90	3.29	1.41	0.58	47.36
St Dev	0.11	0.17	0.44	0.50	0.66	0.58	0.46	0.41	0.41	0.45	0.32	0.14	2.79

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HIAWATHA

Aridity Index: 56%, Temp. Adj. (F): -5, Period: 1971-2008, Lat: 39.48, Long: -111.02, Elev: 7284 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.51	26.84	33.91	41.54	51.19	60.66	67.72	65.65	57.23	46.51	32.50	24.35	44.30
St Dev	4.06	3.45	3.36	3.67	2.76	3.19	2.35	1.89	2.30	3.37	3.27	3.66	1.21
Precip (in)	1.20	1.14	1.24	1.00	1.19	0.69	1.19	1.39	1.53	1.55	1.06	0.98	14.16
St Dev	1.07	0.90	0.88	0.75	0.93	0.54	0.96	0.87	1.08	1.26	1.00	0.79	3.57
Aridity Adj. (F)	1.12	1.06	1.51	2.07	3.08	3.81	3.19	3.14	3.19	2.91	2.02	1.34	2.37
Est. Dewpoint (F)	17.99	18.92	21.18	19.17	28.04	31.12	37.78	39.35	31.63	28.89	17.59	14.84	25.54
Rs (langley/day)	220	309	410	528	576	707	595	553	471	344	235	161	426
Wind (mpd)	68	78	131	164	143	133	120	111	107	99	93	73	110
Calc. Wind Limit (mpd)	96	96	132	132	132	132	128	121	110	109	96	96	115
.....Inches.....													
Alfalfa (Beef)				0.14	3.66	7.12	6.34	5.13	2.69	0.07			25.15
St Dev				0.05	0.48	0.56	0.54	0.39	1.36	0.24			2.07
Net Irr					2.70	6.57	5.39	4.02	1.47				20.15
Alfalfa (Dairy)				0.14	3.66	6.54	6.20	5.16	2.02	0.06			23.79
St Dev				0.05	0.48	0.38	0.46	0.33	1.27	0.18			1.68
Net Irr					2.70	5.99	5.25	4.05	0.80				18.80
Other Hay				0.13	4.28	7.99	6.25	2.65	1.17	0.08			22.55
St Dev				0.05	0.47	0.58	0.47	0.14	0.35	0.12			1.23
Net Irr					3.33	7.44	5.30	1.54					17.61
Pasture				0.10	2.69	5.19	5.55	4.66	2.40	0.18			20.77
St Dev				0.03	0.27	0.37	0.40	0.25	0.90	0.31			1.46
Net Irr					1.74	4.64	4.60	3.54	1.18				15.70

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HIAWATHA

Aridity Index: 56%, Temp. Adj. (F): -5, Period: 1971-2008, Lat: 39.48, Long: -111.02, Elev: 7284 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.89	3.45	4.93	1.75				12.02
St Dev						0.14	0.25	0.37	1.18				1.41
Net Irr						1.34	2.50	3.82	0.53				8.18
Turfgrass				0.17	2.62	4.44	4.90	4.14	2.38	0.22			18.86
St Dev				0.05	0.26	0.32	0.35	0.23	0.76	0.35			1.30
Net Irr					1.67	3.89	3.95	3.03	1.16				13.68
Open Water Deep	0.29	0.35	0.79	1.57	2.15	3.44	4.19	3.66	2.56	1.68	1.04	0.47	22.19
St Dev	0.06	0.07	0.21	0.24	0.27	0.39	0.41	0.28	0.23	0.26	0.18	0.08	1.41
Net Evap				0.77	1.19	2.89	3.24	2.54	1.34	0.44	0.19		12.61
Open Water Shallow	0.61	1.05	2.15	3.39	4.31	5.57	5.49	4.99	3.77	2.27	1.10	0.55	35.25
St Dev	0.09	0.13	0.29	0.32	0.32	0.32	0.31	0.22	0.23	0.24	0.15	0.07	1.42
Net Evap		0.14	1.15	2.59	3.35	5.02	4.54	3.88	2.55	1.03	0.25		24.50
Wetlands Large						2.00	6.97	7.24	3.41	0.16			19.79
St Dev						0.62	0.89	0.40	1.60	0.47			2.48
Net ET						1.45	6.02	6.13	2.19				15.79
Wetlands Narrow						2.56	9.83	10.34	4.88	0.23			27.84
St Dev						0.83	1.31	0.57	2.28	0.67			3.54
Net ET						2.01	8.88	9.23	3.66				23.77
ETr	0.46	0.95	2.32	4.20	5.63	7.67	8.17	6.89	5.06	2.78	1.36	0.63	46.12
St Dev	0.12	0.17	0.46	0.48	0.55	0.55	0.59	0.38	0.38	0.38	0.24	0.11	2.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HITE RS

Aridity Index: 97%, Temp. Adj. (F): -12, Period: 1971-2008, Lat: 37.88, Long: -110.39, Elev: 4000 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	37.66	41.78	50.72	58.62	69.87	80.21	86.75	84.08	74.84	61.78	47.78	37.90	61.00
St Dev	4.99	3.79	3.50	3.47	3.03	3.02	2.39	1.89	2.14	2.90	3.11	3.23	1.61
Precip (in)	0.72	0.53	0.77	0.45	0.44	0.28	0.65	0.56	0.79	1.19	0.70	0.53	7.62
St Dev	0.69	0.45	0.69	0.39	0.37	0.38	0.57	0.41	0.76	1.17	0.62	0.47	2.58
Aridity Adj. (F)	1.94	1.84	2.62	3.59	5.34	6.60	5.53	5.43	5.53	5.04	3.49	2.33	4.11
Est. Dewpoint (F)	29.51	30.27	33.46	35.01	44.19	52.63	60.72	58.49	49.05	40.99	31.95	27.48	41.15
Rs (langley/day)	247	333	455	594	589	701	626	573	499	361	254	202	453
Wind (mpd)	76	95	113	135	129	114	90	91	93	92	90	83	100
Calc. Wind Limit (mpd)	96	106	120	120	120	120	111	106	109	115	109	96	111
.....Inches.....													
Alfalfa (Beef)			0.08	2.49	4.99	5.46	5.49	5.23	3.55	0.72	0.03		28.05
St Dev			0.16	0.56	0.43	0.46	0.54	0.51	0.69	0.62	0.13		1.49
Net Irr				2.13	4.64	5.23	4.97	4.78	2.92				24.66
Alfalfa (Dairy)			0.08	2.49	4.61	5.32	5.27	4.64	3.19	0.70	0.02		26.33
St Dev			0.16	0.56	0.41	0.37	0.36	0.35	0.55	0.62	0.09		1.38
Net Irr				2.13	4.26	5.09	4.75	4.19	2.56				22.98
Apples / Cherries				0.86	4.19	7.16	7.29	6.38	4.01	1.29			31.17
St Dev				0.11	0.36	0.48	0.48	0.48	0.38	0.51			1.63
Net Irr				0.50	3.83	6.93	6.77	5.93	3.38	0.34			27.68
Other Hay			0.08	2.84	5.62	5.62	2.83	1.84	0.65				19.49
St Dev			0.17	0.66	0.46	0.81	0.35	0.20	0.23				1.17
Net Irr				2.48	5.27	5.39	2.31	1.40	0.02				16.86
Other Orchard				0.81	4.00	6.64	6.73	5.87	3.61	1.26			28.91
St Dev				0.10	0.35	0.44	0.44	0.45	0.34	0.50			1.52
Net Irr				0.44	3.64	6.41	6.21	5.43	2.98	0.30			25.42
Pasture			0.20	2.20	3.71	4.70	4.77	4.20	2.98	1.05	0.04		23.84
St Dev			0.16	0.35	0.31	0.32	0.31	0.32	0.35	0.48	0.11		1.29
Net Irr				1.83	3.35	4.47	4.24	3.75	2.35	0.09			20.10
Sorghum				0.03	1.37	4.57	6.27	5.56	0.99				18.80
St Dev				0.06	0.31	0.65	0.40	0.42	0.80				0.98
Net Irr					1.02	4.35	5.74	5.11	0.36				16.59
Spring Grain			0.08	1.05	3.55	7.00	5.05	0.37					17.10
St Dev			0.10	0.28	0.78	0.55	1.33	0.47					1.04
Net Irr				0.69	3.20	6.77	4.53						15.19
Winter Wheat		0.02	0.56	1.28	3.45	6.88	3.53	0.13					15.86
St Dev		0.02	0.14	0.25	0.92	0.52	1.71	0.21					0.92
Net Irr				0.92	3.10	6.66	3.01						13.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HITE RS

Aridity Index: 97%, Temp. Adj. (F): -12, Period: 1971-2008, Lat: 37.88, Long: -110.39, Elev: 4000 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.12	1.49	3.29	5.37	4.42	0.90				15.60
St Dev				0.05	0.13	0.23	0.34	0.38	0.18				0.78
Net Irr					1.14	3.06	4.85	3.98	0.27				13.30
Turfgrass			0.30	2.00	3.20	4.15	4.21	3.71	2.73	1.12	0.05		21.46
St Dev			0.23	0.23	0.27	0.28	0.27	0.28	0.26	0.45	0.12		1.13
Net Irr				1.64	2.84	3.92	3.68	3.26	2.10	0.17			17.61
Open Water Deep	0.09	0.25	0.55	1.13	1.62	2.07	1.99	2.27	1.74	1.27	0.72	0.23	13.92
St Dev	0.11	0.14	0.19	0.18	0.22	0.25	0.24	0.25	0.20	0.26	0.16	0.10	1.01
Net Evap				0.76	1.27	1.84	1.47	1.82	1.11	0.31	0.16		8.74
Open Water Shallow	0.54	1.12	2.47	3.81	4.49	5.52	5.55	5.10	3.93	2.27	1.01	0.44	36.27
St Dev	0.16	0.23	0.30	0.29	0.28	0.27	0.26	0.27	0.22	0.28	0.17	0.12	1.13
Net Evap		0.70	1.85	3.45	4.14	5.30	5.03	4.66	3.30	1.32	0.45	0.02	30.21
Wetlands Large					0.80	5.15	7.32	6.49	4.64	1.18	0.05		25.63
St Dev					0.47	0.80	0.47	0.49	0.57	0.95	0.18		1.84
Net ET					0.44	4.93	6.79	6.04	4.01	0.23			22.44
Wetlands Narrow					0.99	7.18	10.45	9.27	6.62	1.69	0.07		36.28
St Dev					0.62	1.18	0.67	0.70	0.81	1.36	0.26		2.62
Net ET					0.64	6.96	9.93	8.83	5.99	0.73			33.07
ETr	0.04	0.73	2.38	4.23	5.47	6.91	7.01	6.18	4.58	2.39	0.85	0.08	40.86
St Dev	0.24	0.32	0.45	0.42	0.47	0.46	0.46	0.46	0.37	0.46	0.26	0.20	2.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HOVENWEEP NM

Aridity Index: 98%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.39, Long: -109.08, Elev: 5210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.68	35.10	42.82	50.08	59.56	69.57	76.20	74.13	65.18	52.45	39.45	29.62	51.90
St Dev	4.67	3.20	2.54	2.86	2.47	2.68	2.14	1.77	2.06	2.14	2.44	3.39	1.18
Precip (in)	1.04	1.02	1.10	0.80	0.74	0.32	0.92	1.04	1.17	1.42	1.07	0.91	11.53
St Dev	0.93	0.84	1.01	0.71	0.63	0.40	0.69	0.78	0.84	1.32	0.78	0.70	2.82
Aridity Adj. (F)	1.96	1.86	2.65	3.63	5.39	6.66	5.59	5.49	5.59	5.10	3.53	2.35	4.15
Est. Dewpoint (F)	13.53	16.09	17.15	19.39	26.52	29.49	41.98	43.89	35.25	24.93	18.50	13.64	25.03
Rs (langley/day)	245	324	448	563	663	725	669	591	508	379	270	224	467
Wind (mpd)	113	124	154	171	151	139	119	114	118	124	117	117	130
Calc. Wind Limit (mpd)	96	98	128	132	132	124	98	96	96	102	96	96	108
.....Inches.....													
Alfalfa (Beef)					3.70	8.35	7.10	5.20	2.57	0.01			26.92
St Dev					0.43	0.56	0.60	0.49	1.43	0.05			2.03
Net Irr					3.11	8.09	6.36	4.37	1.63				23.56
Alfalfa (Dairy)					3.70	7.51	6.72	5.49	1.94	0.01			25.36
St Dev					0.43	0.49	0.38	0.56	1.24	0.05			1.59
Net Irr					3.11	7.25	5.98	4.66	1.01				22.00
Apples / Cherries						4.70	8.37	7.70	4.53	0.29			25.59
St Dev						0.27	0.42	0.50	1.64	0.51			2.13
Net Irr						4.44	7.64	6.87	3.60				22.55
Other Hay					3.88	9.39	8.15	3.15	1.41	0.07			26.06
St Dev					0.35	0.53	0.40	0.20	0.48	0.12			1.05
Net Irr					3.30	9.14	7.41	2.32	0.48				22.64
Other Orchard						4.40	7.94	7.11	4.18	0.27			23.90
St Dev						0.25	0.40	0.46	1.51	0.47			1.97
Net Irr						4.15	7.20	6.28	3.25				20.88
Pasture					2.37	6.09	6.01	5.01	2.63	0.13			22.25
St Dev					0.22	0.34	0.29	0.37	1.06	0.23			1.47
Net Irr					1.79	5.84	5.28	4.18	1.69				18.77
Sorghum						1.96	5.29	6.59	2.82	0.03			16.69
St Dev						0.11	0.29	0.47	1.41	0.14			1.68
Net Irr						1.70	4.56	5.76	1.88				13.90
Spring Grain					1.50	6.39	9.06	5.30	0.44				22.68
St Dev					0.25	0.90	0.45	1.09	0.41				0.95
Net Irr					0.91	6.13	8.32	4.47					19.83
Winter Wheat				0.86	2.35	6.88	8.79	2.83	0.08				21.80
St Dev				0.10	0.33	1.21	0.58	1.37	0.13				0.97
Net Irr				0.22	1.76	6.62	8.06	2.01					18.67

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HOVENWEEP NM

Aridity Index: 98%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.39, Long: -109.08, Elev: 5210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.94	3.44	5.09	1.67				12.14
St Dev						0.11	0.18	0.36	1.11				1.33
Net Irr						1.68	2.70	4.26	0.74				9.38
Turfgrass					2.71	5.06	5.31	4.44	2.61	0.17			20.30
St Dev					0.23	0.28	0.26	0.29	0.95	0.29			1.33
Net Irr					2.12	4.80	4.57	3.61	1.68				16.78
Open Water Deep	0.76	0.95	1.70	2.15	2.93	4.12	3.70	3.38	2.46	2.19	1.29	0.80	26.42
St Dev	0.17	0.16	0.26	0.28	0.32	0.35	0.24	0.22	0.22	0.26	0.19	0.15	1.21
Net Evap		0.14	0.82	1.51	2.34	3.86	2.96	2.55	1.53	1.05	0.43	0.07	17.26
Open Water Shallow	0.89	1.45	2.83	3.88	5.09	5.90	5.97	5.29	4.04	2.62	1.34	0.82	40.14
St Dev	0.17	0.19	0.29	0.31	0.30	0.24	0.21	0.20	0.21	0.24	0.17	0.14	1.12
Net Evap	0.06	0.64	1.95	3.24	4.50	5.65	5.24	4.46	3.10	1.48	0.49	0.09	30.91
Wetlands Large						2.10	7.41	7.75	3.29	0.04			20.58
St Dev						0.13	0.39	0.55	1.65	0.16			1.99
Net ET						1.85	6.67	6.92	2.35				17.79
Wetlands Narrow						2.66	10.42	11.06	4.70	0.05			28.90
St Dev						0.17	0.55	0.79	2.35	0.23			2.84
Net ET						2.41	9.69	10.24	3.76				26.09
ETr	1.16	1.90	4.00	5.61	7.43	9.24	8.84	7.47	5.68	3.90	1.95	1.13	58.30
St Dev	0.33	0.36	0.59	0.60	0.60	0.52	0.43	0.38	0.42	0.54	0.39	0.30	2.35

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HUNTSVILLE MONASTERY

Aridity Index: 44%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.24, Long: -111.71, Elev: 5140 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.09	26.71	36.28	44.82	52.85	60.79	68.30	67.02	57.56	46.56	33.93	23.60	45.04
St Dev	4.84	3.99	3.35	2.99	2.21	2.49	2.75	1.96	2.25	2.10	3.54	4.19	1.28
Precip (in)	2.40	2.14	2.11	2.02	2.06	1.18	0.76	0.82	1.53	1.99	2.14	2.40	21.56
St Dev	1.76	1.35	1.04	1.10	1.24	0.94	0.67	0.77	1.47	1.33	1.26	1.92	5.22
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	15.05	17.65	20.88	23.76	28.06	32.57	37.13	36.15	30.30	24.76	20.56	14.82	25.14
Rs (langley/day)	155	248	381	502	540	666	656	566	456	315	180	130	400
Wind (mpd)	65	68	92	106	103	92	86	90	85	81	78	68	85
Calc. Wind Limit (mpd)	96	96	96	100	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				1.41	5.71	6.41	7.97	7.34	2.15	0.04			31.02
St Dev				0.59	0.74	0.44	0.66	0.83	1.04	0.09			1.62
Net Irr					4.06	5.47	7.36	6.68	0.92				24.49
Alfalfa (Dairy)				1.41	5.66	6.34	7.01	6.36	2.50	0.03			29.31
St Dev				0.59	0.68	0.55	0.37	0.41	1.09	0.08			1.73
Net Irr					4.01	5.40	6.40	5.70	1.28				22.79
Barley				0.74	3.60	8.22	8.11	0.92					21.59
St Dev				0.28	0.85	0.88	0.92	0.86					0.99
Net Irr					1.95	7.27	7.50	0.26					16.98
Other Hay				1.49	6.31	8.27	5.11	2.98	1.26	0.05			25.47
St Dev				0.64	0.71	0.59	0.59	0.18	0.34	0.09			1.23
Net Irr					4.66	7.33	4.50	2.32	0.03				18.84
Pasture				1.51	4.34	5.64	6.41	5.81	3.01	0.29			27.01
St Dev				0.49	0.43	0.44	0.35	0.38	0.98	0.47			1.78
Net Irr					2.69	4.70	5.79	5.15	1.78				20.12
Potato					0.59	2.64	6.59	6.53	2.73	0.06			19.15
St Dev					0.10	0.50	0.64	0.36	1.09	0.14			1.51
Net Irr						1.70	5.98	5.87	1.51				15.06
Spring Grain				0.73	3.40	8.07	8.76	1.87					22.84
St Dev				0.27	0.79	0.93	0.66	1.16					1.04
Net Irr					1.75	7.13	8.15	1.22					18.25

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HUNTSVILLE MONASTERY

Aridity Index: 44%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.24, Long: -111.71, Elev: 5140 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.77	2.62	5.35	6.23	1.11				16.08
St Dev					0.09	0.20	0.30	1.68	1.06				2.44
Net Irr						1.68	4.74	5.57					11.99
Small Fruit					0.50	3.36	8.03	7.33	1.32				20.54
St Dev					0.09	0.37	0.54	1.95	1.32				2.93
Net Irr						2.42	7.42	6.67	0.10				16.61
Turfgrass				1.77	3.61	4.98	5.65	5.18	3.02	0.35			24.57
St Dev				0.45	0.37	0.39	0.31	0.29	0.85	0.54			1.57
Net Irr				0.16	1.96	4.04	5.04	4.52	1.80				17.52
Open Water Deep	0.57	0.60	1.25	1.89	2.60	3.29	4.32	4.79	3.05	2.31	1.30	0.68	26.66
St Dev	0.08	0.08	0.20	0.28	0.29	0.34	0.38	0.30	0.28	0.26	0.20	0.10	1.38
Net Evap				0.27	0.95	2.35	3.71	4.13	1.83	0.72			13.96
Open Water Shallow	0.62	1.07	2.45	3.69	4.52	5.50	6.12	5.52	3.97	2.47	1.10	0.60	37.63
St Dev	0.07	0.10	0.24	0.35	0.31	0.32	0.26	0.20	0.24	0.22	0.14	0.09	1.37
Net Evap			0.76	2.07	2.87	4.56	5.51	4.86	2.75	0.88			24.26
Wetlands Large						3.37	8.92	9.05	4.21	0.10			25.66
St Dev						0.86	0.79	0.55	1.68	0.23			2.38
Net ET						2.43	8.31	8.39	2.99				22.12
Wetlands Narrow						4.42	12.68	12.93	6.01	0.14			36.20
St Dev						1.17	1.17	0.78	2.41	0.33			3.40
Net ET						3.48	12.07	12.27	4.79				32.62
ETr	0.88	1.37	3.25	5.09	6.70	8.30	9.42	8.67	6.09	3.88	1.77	0.95	56.37
St Dev	0.13	0.16	0.41	0.62	0.61	0.64	0.51	0.44	0.50	0.48	0.30	0.17	2.77

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: IBAPAH

Aridity Index: 24%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.04, Long: -113.99, Elev: 5280 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.94	31.49	39.16	45.04	53.27	61.80	69.48	67.20	58.22	47.46	35.73	27.51	46.94
St Dev	5.05	3.62	3.34	3.25	2.62	2.59	2.30	2.52	2.55	2.75	3.35	3.71	1.25
Precip (in)	0.83	0.77	0.98	1.29	1.34	0.89	0.88	0.79	0.83	1.05	0.66	0.55	10.85
St Dev	0.69	0.46	0.61	0.88	1.00	0.84	0.75	0.92	0.99	0.91	0.50	0.51	3.00
Aridity Adj. (F)	0.48	0.46	0.65	0.89	1.32	1.63	1.37	1.34	1.37	1.25	0.86	0.58	1.02
Est. Dewpoint (F)	15.35	16.61	17.81	20.45	24.96	28.24	32.80	31.12	25.17	21.89	17.00	14.83	22.18
Rs (langley/day)	216	282	421	545	575	642	579	549	466	350	240	189	421
Wind (mpd)	89	126	105	133	128	118	125	137	131	104	109	87	116
Calc. Wind Limit (mpd)	96	96	120	132	109	105	96	102	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				1.66	6.91	7.31	8.64	8.41	1.47				34.41
St Dev				0.30	0.90	0.65	0.70	1.57	1.07				2.74
Net Irr				0.64	5.84	6.60	7.94	7.78	0.81				29.59
Alfalfa (Dairy)				1.66	6.80	7.38	7.81	7.01	1.84				32.51
St Dev				0.30	0.76	0.71	0.47	1.08	1.30				2.64
Net Irr				0.64	5.73	6.67	7.10	6.38	1.18				27.69
Barley				0.67	4.14	9.61	8.34	0.43					23.19
St Dev				0.12	0.85	1.00	1.07	0.46					0.74
Net Irr					3.07	8.89	7.63						19.59
Other Hay				1.72	7.49	9.68	5.75	3.49	1.34	0.02			29.49
St Dev				0.27	0.78	0.86	0.35	0.22	0.46	0.05			1.80
Net Irr				0.69	6.42	8.97	5.04	2.86	0.67				24.66
Pasture				1.05	4.79	6.54	7.15	6.74	3.02	0.15			29.45
St Dev				0.17	0.51	0.58	0.42	0.49	1.27	0.40			2.19
Net Irr				0.02	3.72	5.82	6.45	6.11	2.36				24.49
Sorghum					0.37	3.13	8.04	8.84	2.79				23.17
St Dev					0.07	0.27	0.49	1.00	1.87				2.57
Net Irr						2.42	7.33	8.21	2.13				20.09
Spring Grain				0.67	3.91	9.45	9.28	1.29					24.60
St Dev				0.12	0.79	1.05	0.88	0.75					0.79
Net Irr					2.84	8.73	8.57	0.66					20.81

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: IBAPAH

Aridity Index: 24%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.04, Long: -113.99, Elev: 5280 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.37	2.68	5.13	7.13	1.14				16.46
St Dev					0.07	0.23	0.31	1.36	1.18				2.50
Net Irr						1.97	4.42	6.50	0.48				13.38
Turfgrass				1.46	4.01	5.75	6.31	6.04	3.15	0.18			26.91
St Dev				0.22	0.42	0.51	0.37	0.39	1.17	0.48			1.95
Net Irr				0.43	2.94	5.04	5.60	5.41	2.48				21.91
Open Water Deep	1.20	1.38	2.06	2.94	3.52	4.68	5.85	6.24	4.17	3.26	2.10	1.24	38.66
St Dev	0.21	0.20	0.31	0.44	0.42	0.51	0.47	0.51	0.37	0.41	0.32	0.17	2.14
Net Evap	0.54	0.77	1.28	1.91	2.45	3.96	5.14	5.61	3.51	2.43	1.57	0.80	29.98
Open Water Shallow	1.08	1.57	3.05	4.24	5.02	5.73	5.96	5.70	4.34	2.93	1.59	0.98	42.18
St Dev	0.13	0.16	0.30	0.40	0.38	0.37	0.24	0.23	0.24	0.26	0.18	0.11	1.55
Net Evap	0.41	0.95	2.26	3.21	3.95	5.02	5.25	5.07	3.68	2.09	1.06	0.54	33.50
Wetlands Large						3.84	10.01	10.32	3.25				27.42
St Dev						0.34	0.60	1.17	2.19				3.01
Net ET						3.12	9.30	9.69	2.59				24.71
Wetlands Narrow						5.03	14.23	14.74	4.65	0.01			38.65
St Dev						0.45	0.86	1.67	3.12	0.04			4.30
Net ET						4.31	13.52	14.11	3.99				35.93
ETr	1.79	2.46	4.58	6.53	7.96	9.62	10.52	10.11	7.53	5.21	2.90	1.77	70.95
St Dev	0.29	0.35	0.59	0.84	0.82	0.85	0.62	0.60	0.58	0.70	0.49	0.28	3.67

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: JENSEN

Aridity Index: 26%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.36, Long: -109.34, Elev: 4750 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.10	24.50	38.71	48.01	57.46	66.15	72.54	70.07	60.69	48.69	33.94	20.85	46.56
St Dev	8.86	7.74	3.87	3.20	2.34	2.49	2.31	2.10	2.40	2.16	2.98	5.88	2.27
Precip (in)	0.58	0.52	0.65	0.77	0.85	0.51	0.59	0.60	0.97	1.18	0.59	0.53	8.34
St Dev	0.46	0.31	0.57	0.52	0.62	0.51	0.65	0.45	0.70	0.89	0.41	0.52	2.03
Aridity Adj. (F)	0.52	0.49	0.70	0.96	1.43	1.77	1.48	1.46	1.48	1.35	0.94	0.62	1.10
Est. Dewpoint (F)	8.96	17.17	21.47	20.32	28.89	31.68	39.03	38.67	28.08	26.18	17.69	8.28	23.87
Rs (langley/day)	188	281	386	490	575	657	628	564	461	328	210	157	410
Wind (mpd)	50	49	99	130	130	116	100	94	76	67	68	56	86
Calc. Wind Limit (mpd)	96	96	99	130	131	116	100	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				1.67	6.95	7.50	8.14	7.39	2.59	0.13			34.36
St Dev				1.01	1.01	0.49	0.63	0.78	1.26	0.30			3.01
Net Irr				1.05	6.27	7.09	7.66	6.91	1.81				30.80
Alfalfa (Dairy)				1.67	6.67	7.46	7.50	6.41	2.58	0.09			32.37
St Dev				1.01	0.81	0.49	0.42	0.39	1.21	0.22			2.79
Net Irr				1.05	5.99	7.05	7.02	5.93	1.80				28.84
Barley				0.82	4.68	9.77	7.05	0.33					22.66
St Dev				0.42	1.26	0.81	1.63	0.52					0.81
Net Irr				0.20	4.00	9.36	6.58						20.15
Corn					0.69	3.36	8.72	8.07	2.83	0.05			23.72
St Dev					0.33	0.88	1.10	0.42	1.04	0.14			2.24
Net Irr					0.01	2.95	8.24	7.59	2.05				20.84
Other Hay				1.73	7.45	9.68	5.72	3.03	1.33	0.07			29.01
St Dev				1.07	1.18	0.65	1.26	0.24	0.33	0.14			1.52
Net Irr				1.12	6.77	9.27	5.25	2.55	0.55				25.50
Pasture				1.44	5.09	6.62	6.82	5.87	3.33	0.42			29.60
St Dev				0.60	0.61	0.42	0.37	0.36	0.88	0.48			2.39
Net Irr				0.83	4.41	6.21	6.35	5.39	2.55				25.74
Sorghum					0.86	4.03	8.29	7.82	3.19				24.19
St Dev					0.41	0.78	0.79	0.40	1.04				2.34
Net Irr					0.18	3.62	7.81	7.33	2.41				21.36
Spring Grain				0.80	4.44	9.67	8.12	0.87					23.89
St Dev				0.41	1.19	0.89	1.26	0.88					0.85
Net Irr				0.19	3.76	9.26	7.64	0.38					21.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: JENSEN

Aridity Index: 26%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.36, Long: -109.34, Elev: 4750 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.15	3.26	6.05	6.99	1.91				19.36
St Dev					0.19	0.25	0.43	0.68	1.02				1.71
Net Irr					0.47	2.85	5.57	6.51	1.13				16.53
Turfgrass				1.78	4.28	5.82	6.02	5.21	3.25	0.50			26.87
St Dev				0.66	0.42	0.38	0.32	0.26	0.74	0.54			2.12
Net Irr				1.17	3.60	5.41	5.55	4.73	2.47				22.93
Open Water Deep	0.31	0.27	1.31	2.85	4.01	5.07	5.41	4.97	3.01	1.84	1.06	0.51	30.60
St Dev	0.11	0.09	0.27	0.39	0.41	0.45	0.43	0.29	0.24	0.19	0.16	0.13	1.78
Net Evap			0.79	2.24	3.33	4.66	4.93	4.48	2.23	0.90	0.59	0.08	24.23
Open Water Shallow	0.54	0.95	2.48	3.92	5.14	5.94	6.20	5.58	4.05	2.45	1.13	0.60	38.99
St Dev	0.16	0.21	0.33	0.34	0.31	0.28	0.25	0.16	0.21	0.20	0.15	0.13	1.42
Net Evap	0.08	0.53	1.96	3.30	4.46	5.53	5.73	5.10	3.28	1.51	0.66	0.18	32.32
Wetlands Large					0.16	4.52	9.71	9.12	4.33	0.17			28.01
St Dev					0.24	1.43	0.98	0.46	1.62	0.40			3.62
Net ET						4.11	9.24	8.64	3.55				25.53
Wetlands Narrow					0.18	6.04	13.82	13.03	6.18	0.24			39.49
St Dev					0.27	2.04	1.45	0.66	2.31	0.57			5.17
Net ET						5.63	13.35	12.54	5.40				36.92
ETr	0.65	1.01	3.47	6.19	8.19	9.74	10.03	8.73	6.04	3.53	1.68	0.86	60.11
St Dev	0.23	0.26	0.63	0.70	0.67	0.61	0.54	0.35	0.39	0.40	0.30	0.23	2.75

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: JOHNSON PASS

Aridity Index: 37%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.34, Long: -112.61, Elev: 5630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.44	32.58	39.59	46.63	56.15	66.16	74.85	72.81	62.86	50.86	37.45	29.09	49.79
St Dev	4.40	3.55	3.53	3.70	3.22	3.33	2.66	1.94	2.67	3.14	3.65	3.66	1.30
Precip (in)	1.49	1.59	1.78	1.70	1.95	0.94	1.05	0.97	1.17	1.53	1.31	1.37	16.88
St Dev	0.84	0.97	1.07	1.13	1.53	0.95	0.89	0.91	0.98	1.03	0.90	1.12	4.70
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	19.36	20.70	21.86	25.51	31.27	36.18	42.44	42.33	36.09	31.65	23.18	19.49	29.17
Rs (langley/day)	187	262	363	493	584	662	649	573	465	343	216	176	414
Wind (mpd)	87	90	134	146	133	122	123	138	112	101	108	70	114
Calc. Wind Limit (mpd)	96	96	102	111	96	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				1.58	5.68	6.38	7.99	7.29	3.31	0.53			32.77
St Dev				0.49	0.75	0.48	0.61	0.71	1.27	0.78			2.40
Net Irr				0.21	4.11	5.63	7.15	6.52	2.37				26.00
Alfalfa (Dairy)				1.58	5.53	6.33	7.17	6.36	3.44	0.51			30.93
St Dev				0.49	0.62	0.52	0.46	0.33	1.11	0.81			2.09
Net Irr				0.21	3.97	5.58	6.34	5.58	2.50				24.18
Barley				0.73	3.57	8.22	7.06	0.34					19.92
St Dev				0.18	0.92	0.89	1.43	0.49					0.49
Net Irr					2.01	7.46	6.22						15.69
Corn					0.45	2.29	7.77	8.03	3.67	0.33			22.55
St Dev					0.08	0.51	1.12	0.26	0.96	0.53			1.45
Net Irr						1.54	6.93	7.26	2.73				18.45
Other Hay				1.68	6.30	8.10	4.88	2.87	1.33	0.04			25.21
St Dev				0.52	0.68	0.55	0.46	0.12	0.18	0.07			1.40
Net Irr				0.32	4.74	7.35	4.04	2.10	0.39				18.94
Pasture				1.29	4.21	5.62	6.56	5.78	3.65	0.96	0.01		28.09
St Dev				0.20	0.40	0.43	0.38	0.27	0.63	0.84	0.05		2.09
Net Irr					2.65	4.87	5.72	5.01	2.71				20.96
Sorghum					0.57	3.13	7.86	7.67	4.09				23.31
St Dev					0.10	0.28	0.50	0.35	0.80				1.21
Net Irr						2.37	7.02	6.89	3.15				19.43
Spring Grain				0.72	3.38	8.09	8.01	0.88					21.08
St Dev				0.17	0.87	0.95	1.08	0.83					0.44
Net Irr					1.82	7.33	7.17	0.11					16.43

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: JOHNSON PASS

Aridity Index: 37%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.34, Long: -112.61, Elev: 5630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.59	2.48	5.18	6.86	2.54	0.06			17.70
St Dev					0.08	0.18	0.31	0.35	1.16	0.13			1.32
Net Irr						1.73	4.34	6.09	1.60				13.75
Turfgrass				1.56	3.48	4.96	5.79	5.11	3.45	1.06	0.02		25.44
St Dev				0.21	0.33	0.38	0.33	0.24	0.44	0.87	0.07		1.83
Net Irr				0.20	1.92	4.21	4.95	4.34	2.51				18.13
Open Water Deep	0.84	0.92	1.41	1.86	2.50	3.72	5.33	5.30	3.50	2.53	1.55	0.71	30.17
St Dev	0.11	0.13	0.22	0.29	0.34	0.45	0.50	0.35	0.32	0.33	0.26	0.10	1.83
Net Evap				0.49	0.94	2.96	4.49	4.53	2.56	1.31	0.50		17.78
Open Water Shallow	0.81	1.27	2.45	3.59	4.79	5.70	6.41	5.79	4.21	2.66	1.25	0.73	39.65
St Dev	0.08	0.13	0.23	0.32	0.37	0.35	0.31	0.22	0.23	0.23	0.16	0.07	1.55
Net Evap			1.02	2.22	3.22	4.94	5.57	5.02	3.27	1.43	0.20		26.91
Wetlands Large					0.12	4.09	9.51	8.94	5.31	0.77	0.01		28.77
St Dev					0.14	1.02	0.83	0.41	1.28	1.13	0.09		2.83
Net ET						3.34	8.68	8.17	4.37				24.56
Wetlands Narrow					0.13	5.48	13.56	12.78	7.59	1.10	0.02		40.66
St Dev					0.16	1.45	1.21	0.59	1.83	1.61	0.13		4.04
Net ET						4.72	12.72	12.00	6.65				36.10
ETr	1.04	1.59	3.25	4.76	6.51	8.27	9.65	8.52	6.02	3.65	1.81	0.89	55.96
St Dev	0.13	0.20	0.38	0.52	0.60	0.63	0.56	0.39	0.40	0.39	0.29	0.11	2.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KAMAS

Aridity Index: 44%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 40.65, Long: -111.28, Elev: 6475 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.08	27.30	34.70	42.33	50.76	59.24	66.93	65.58	56.69	46.12	33.55	24.99	44.36
St Dev	4.11	3.63	3.23	3.26	2.61	2.37	2.61	2.05	2.27	2.69	3.83	3.70	1.47
Precip (in)	1.59	1.49	1.67	1.60	1.65	0.94	1.03	1.07	1.46	1.87	1.60	1.49	17.48
St Dev	1.09	0.86	0.66	0.97	1.08	0.87	0.77	0.78	1.19	1.31	0.91	1.06	3.86
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	13.66	14.15	16.61	19.35	24.26	28.58	33.58	34.42	27.71	23.44	17.37	13.73	22.24
Rs (langley/day)	202	277	405	533	613	638	660	596	506	352	226	175	432
Wind (mpd)	60	59	83	91	93	79	71	76	67	74	70	58	73
Calc. Wind Limit (mpd)	96	96	98	116	99	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)					2.30	5.92	5.64	4.06	0.38				18.30
St Dev					0.33	0.58	0.78	2.18	0.56				3.31
Net Irr					0.98	5.16	4.82	3.20					14.15
Alfalfa (Dairy)					2.30	5.84	5.71	3.49	0.43				17.76
St Dev					0.33	0.48	0.82	1.92	0.59				3.05
Net Irr					0.98	5.08	4.89	2.63					13.58
Other Hay					2.53	6.64	7.41	3.06	0.64				20.28
St Dev					0.30	0.50	0.47	0.44	0.49				1.35
Net Irr					1.21	5.89	6.59	2.20					15.88
Pasture					1.53	4.30	5.27	4.41	1.04				16.56
St Dev					0.18	0.32	0.33	0.78	0.87				1.67
Net Irr					0.21	3.55	4.45	3.55					11.75
Spring Grain					0.90	3.39	7.48	5.41	0.50				17.68
St Dev					0.16	0.68	0.80	2.20	0.65				3.15
Net Irr						2.64	6.66	4.55					13.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KAMAS

Aridity Index: 44%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 40.65, Long: -111.28, Elev: 6475 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						0.95	2.58	4.26	0.95				8.75
St Dev						0.08	0.17	0.21	0.65				0.80
Net Irr						0.20	1.75	3.41					5.36
Turfgrass					1.86	3.55	4.65	4.00	1.10				15.17
St Dev					0.22	0.27	0.29	0.63	0.87				1.49
Net Irr					0.53	2.80	3.83	3.14					10.30
Open Water Deep	0.38	0.38	0.72	1.10	1.68	2.02	2.62	2.80	1.72	1.47	0.84	0.40	16.14
St Dev	0.06	0.06	0.13	0.18	0.22	0.22	0.27	0.19	0.16	0.19	0.17	0.07	1.01
Net Evap					0.35	1.26	1.80	1.95	0.56				5.92
Open Water Shallow	0.63	1.00	2.14	3.26	4.34	4.76	5.54	5.09	3.74	2.27	1.03	0.55	34.34
St Dev	0.08	0.11	0.23	0.32	0.33	0.29	0.29	0.19	0.22	0.21	0.16	0.08	1.30
Net Evap			0.80	1.97	3.01	4.00	4.72	4.23	2.58	0.78			22.10
Wetlands Large						0.77	5.48	5.99	0.82				13.06
St Dev						0.11	0.42	2.15	1.00				2.87
Net ET						0.02	4.66	5.13					9.80
Wetlands Narrow						0.93	7.61	8.55	1.17				18.25
St Dev						0.14	0.59	3.07	1.42				4.10
Net ET						0.17	6.78	7.69					14.65
ETr	0.68	1.12	2.50	4.01	5.70	6.64	7.75	7.02	4.84	3.02	1.31	0.63	45.22
St Dev	0.13	0.17	0.35	0.48	0.55	0.51	0.49	0.33	0.35	0.37	0.28	0.14	2.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KANAB

Aridity Index: 48%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.03, Long: -112.54, Elev: 4940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	35.85	40.14	45.70	52.11	60.57	69.75	75.72	73.82	66.74	56.07	44.17	36.41	54.76
St Dev	3.56	2.83	3.03	3.20	2.87	2.66	2.15	1.60	1.93	2.67	2.68	3.17	1.07
Precip (in)	1.79	1.80	1.70	0.98	0.60	0.37	1.02	1.47	1.30	1.44	1.20	1.11	14.79
St Dev	1.88	1.44	1.49	0.88	0.66	0.42	0.92	1.01	1.70	1.30	1.11	0.82	5.07
Aridity Adj. (F)	0.96	0.91	1.30	1.78	2.64	3.26	2.74	2.69	2.74	2.50	1.73	1.15	2.03
Est. Dewpoint (F)	25.83	25.88	24.44	25.26	29.57	33.71	42.93	44.10	37.11	32.20	25.50	24.76	30.94
Rs (langley/day)	255	319	416	535	598	678	562	533	469	363	255	223	434
Wind (mpd)	101	101	133	141	133	128	107	112	105	104	106	93	114
Calc. Wind Limit (mpd)	96	96	113	132	115	106	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)			0.50	4.75	6.91	8.41	7.16	6.56	5.70	1.76	0.08		41.83
St Dev			0.40	0.87	0.44	0.95	0.51	0.47	0.67	1.18	0.25		2.14
Net Irr				3.96	6.43	8.11	6.34	5.39	4.66	0.60			35.50
Alfalfa (Dairy)			0.50	4.75	6.40	7.21	7.04	6.33	5.04	2.09	0.08		39.43
St Dev			0.40	0.87	0.48	0.35	0.32	0.27	0.38	1.20	0.22		2.22
Net Irr				3.96	5.92	6.91	6.22	5.15	3.99	0.93			33.10
Apples / Cherries				0.97	5.88	9.94	9.69	8.69	6.09	2.80	0.05		44.11
St Dev				0.15	0.50	0.54	0.39	0.36	0.35	0.84	0.07		1.75
Net Irr				0.19	5.41	9.64	8.87	7.51	5.05	1.64			38.31
Barley			0.35	2.51	7.14	9.59	2.99	0.01					22.58
St Dev			0.20	0.75	1.22	0.47	1.82	0.06					0.70
Net Irr				1.72	6.66	9.29	2.17						19.84
Other Hay			0.51	5.31	8.45	6.64	3.50	2.29	0.57				27.27
St Dev			0.43	0.88	0.67	0.86	0.23	0.18	0.27				1.26
Net Irr				4.53	7.97	6.34	2.68	1.11					22.64
Other Orchard				0.93	5.58	9.25	8.95	8.02	5.50	2.69	0.05		40.97
St Dev				0.14	0.47	0.51	0.36	0.33	0.32	0.82	0.07		1.66
Net Irr				0.15	5.10	8.96	8.13	6.84	4.45	1.54			35.16
Pasture			0.77	3.90	5.56	6.57	6.34	5.70	4.46	2.25	0.19		35.74
St Dev			0.35	0.51	0.45	0.36	0.26	0.24	0.31	0.81	0.32		1.99
Net Irr				3.11	5.09	6.27	5.52	4.53	3.42	1.09			29.03
Potato				0.01	1.86	5.52	7.17	5.45	1.66	0.03			21.70
St Dev				0.02	0.32	0.88	0.29	0.43	1.08	0.12			0.68
Net Irr					1.38	5.22	6.35	4.28	0.62				17.84
Spring Grain			0.35	2.38	6.88	9.79	4.28	0.08					23.76
St Dev			0.19	0.71	1.25	0.49	1.87	0.22					0.70
Net Irr				1.60	6.40	9.49	3.46						20.96

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KANAB

Aridity Index: 48%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.03, Long: -112.54, Elev: 4940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.02	2.18	4.34	6.97	6.22	1.56				21.28
St Dev				0.03	0.18	0.23	0.29	0.26	0.12				0.64
Net Irr					1.70	4.05	6.15	5.04	0.51				17.45
Turfgrass			1.03	3.29	4.88	5.80	5.59	5.04	4.06	2.36	0.21		32.26
St Dev			0.41	0.37	0.40	0.32	0.23	0.21	0.24	0.72	0.33		1.68
Net Irr				2.50	4.40	5.50	4.77	3.86	3.02	1.20			25.26
Open Water Deep	1.22	1.39	2.14	3.11	3.88	4.97	5.30	5.16	4.02	3.26	2.18	1.31	37.93
St Dev	0.26	0.24	0.36	0.41	0.44	0.46	0.37	0.26	0.29	0.38	0.29	0.24	1.68
Net Evap			0.78	2.32	3.40	4.67	4.48	3.98	2.98	2.11	1.22	0.42	26.36
Open Water Shallow	1.26	1.81	3.15	4.38	5.36	6.13	5.83	5.52	4.50	3.14	1.76	1.15	43.98
St Dev	0.22	0.24	0.36	0.35	0.34	0.27	0.19	0.17	0.21	0.26	0.19	0.18	1.12
Net Evap		0.37	1.79	3.59	4.88	5.84	5.01	4.34	3.45	1.98	0.80	0.26	32.32
Wetlands Large					1.79	7.97	9.77	8.81	7.06	3.18	0.15		38.72
St Dev					0.79	1.13	0.41	0.36	0.53	1.50	0.40		2.88
Net ET					1.31	7.67	8.95	7.63	6.02	2.02			33.60
Wetlands Narrow					2.27	11.20	13.95	12.59	10.09	4.54	0.22		54.85
St Dev					1.05	1.68	0.58	0.52	0.76	2.14	0.58		4.11
Net ET					1.79	10.90	13.13	11.41	9.04	3.38			49.67
ETr	1.61	2.41	4.51	6.53	8.19	9.66	9.32	8.39	6.77	4.76	2.77	1.62	66.54
St Dev	0.42	0.45	0.67	0.66	0.66	0.53	0.38	0.34	0.40	0.51	0.40	0.36	2.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KANOSH

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.81, Long: -112.44, Elev: 4990 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.09	35.40	43.32	49.88	59.27	69.62	77.68	75.47	66.05	53.64	40.27	30.50	52.60
St Dev	5.25	4.26	3.71	3.59	3.42	3.22	2.52	1.94	2.62	3.24	3.92	3.87	1.30
Precip (in)	1.36	1.37	1.92	1.75	1.55	0.70	0.88	1.07	1.01	1.68	1.47	1.37	16.12
St Dev	0.81	0.88	0.91	1.15	0.99	0.77	0.75	0.83	0.84	1.06	0.86	0.86	3.60
Aridity Adj. (F)	0.98	0.93	1.32	1.81	2.70	3.33	2.79	2.74	2.79	2.55	1.76	1.18	2.07
Est. Dewpoint (F)	23.13	24.42	25.71	27.85	34.79	40.67	49.31	47.77	39.44	33.36	26.99	23.27	33.06
Rs (langley/day)	190	311	411	520	575	664	643	609	530	360	228	198	437
Wind (mpd)	73	79	124	137	115	106	85	85	74	77	76	72	92
Calc. Wind Limit (mpd)	96	96	116	132	102	100	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)			0.19	4.03	6.20	7.83	7.23	6.75	5.22	1.45	0.05		38.96
St Dev			0.31	0.87	0.47	0.88	0.61	0.44	0.76	1.24	0.16		2.97
Net Irr				2.62	4.96	7.27	6.53	5.90	4.42	0.11			31.81
Alfalfa (Dairy)			0.19	4.03	5.71	6.75	7.16	6.57	4.59	1.57	0.05		36.61
St Dev			0.31	0.87	0.45	0.35	0.37	0.33	0.68	1.15	0.15		2.89
Net Irr				2.62	4.48	6.19	6.46	5.71	3.78	0.23			29.46
Barley			0.18	2.12	6.34	8.75	2.17						19.56
St Dev			0.17	0.64	1.10	0.52	1.53						1.03
Net Irr				0.72	5.11	8.19	1.46						15.48
Corn				0.05	1.44	5.09	9.01	5.35	0.35				21.30
St Dev				0.12	0.40	1.43	0.50	1.49	0.57				1.43
Net Irr					0.21	4.53	8.31	4.49					17.53
Other Hay			0.19	4.34	7.58	7.06	3.72	2.53	0.78				26.20
St Dev			0.32	0.95	0.74	0.85	0.24	0.16	0.26				1.37
Net Irr				2.94	6.34	6.50	3.02	1.67					20.47
Pasture			0.43	3.31	4.99	6.14	6.43	5.91	4.14	1.86	0.15		33.35
St Dev			0.32	0.51	0.48	0.37	0.34	0.30	0.30	0.66	0.25		2.08
Net Irr				1.91	3.75	5.58	5.73	5.05	3.34	0.52			25.87
Sorghum				0.07	1.90	6.03	8.46	7.73	1.26				25.44
St Dev				0.14	0.54	0.98	0.47	0.46	1.00				1.20
Net Irr					0.66	5.46	7.76	6.87	0.46				21.20
Spring Grain			0.18	2.03	6.13	9.02	3.22	0.01					20.59
St Dev			0.17	0.61	1.13	0.48	1.74	0.06					1.05
Net Irr				0.63	4.89	8.46	2.52						16.49
Winter Wheat		0.07	1.11	2.66	6.58	7.76	1.20						19.37
St Dev		0.08	0.26	0.83	1.15	1.20	1.11						1.01
Net Irr				1.25	5.35	7.20	0.50						14.30

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KANOSH

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.81, Long: -112.44, Elev: 4990 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.47	2.17	4.78	7.52	5.54	0.73				21.22
St Dev				0.26	0.31	0.61	0.52	0.48	0.43				0.97
Net Irr					0.94	4.21	6.82	4.69					16.66
Turfgrass			0.63	2.95	4.33	5.42	5.67	5.22	3.77	1.96	0.17		30.11
St Dev			0.41	0.33	0.43	0.32	0.30	0.26	0.23	0.60	0.27		1.82
Net Irr				1.55	3.09	4.85	4.97	4.36	2.97	0.62			22.41
Open Water Deep	0.85	1.08	2.22	3.02	3.33	4.66	5.21	5.33	3.36	2.65	1.56	0.87	34.14
St Dev	0.17	0.20	0.37	0.40	0.43	0.45	0.40	0.35	0.27	0.32	0.27	0.16	1.94
Net Evap			0.68	1.62	2.09	4.10	4.51	4.48	2.56	1.31	0.39		21.72
Open Water Shallow	0.93	1.65	3.13	4.27	5.15	6.09	6.55	6.27	4.84	3.00	1.47	0.90	44.25
St Dev	0.14	0.22	0.33	0.33	0.39	0.28	0.28	0.26	0.20	0.24	0.20	0.13	1.72
Net Evap		0.55	1.59	2.87	3.91	5.53	5.85	5.41	4.03	1.66	0.29		31.71
Wetlands Large					1.19	6.85	9.88	9.13	6.41	2.45	0.11		36.02
St Dev					0.72	1.18	0.54	0.46	0.83	1.58	0.30		3.79
Net ET						6.29	9.18	8.27	5.61	1.11			30.46
Wetlands Narrow					1.48	9.57	14.11	13.04	9.16	3.50	0.15		51.02
St Dev					0.96	1.74	0.77	0.66	1.19	2.25	0.44		5.41
Net ET					0.24	9.01	13.41	12.18	8.35	2.16			45.36
ETr	1.17	1.99	4.33	6.11	7.35	9.03	9.46	8.69	6.31	4.02	2.04	1.10	61.60
St Dev	0.22	0.34	0.62	0.58	0.70	0.54	0.50	0.44	0.36	0.40	0.35	0.23	3.22

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KODACHROME BASIN PARK

Aridity Index: 63%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 37.51, Long: -111.99, Elev: 5810 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.29	34.98	41.35	47.90	56.35	65.06	72.01	69.76	61.82	50.58	38.64	30.46	49.93
St Dev	4.11	3.30	3.15	3.02	2.76	2.93	2.32	1.93	2.09	2.74	2.64	3.30	1.27
Precip (in)	1.09	1.17	1.04	0.68	0.67	0.39	0.93	1.50	1.14	1.33	0.82	0.78	11.54
St Dev	1.22	1.08	0.88	0.59	0.63	0.47	0.75	0.84	1.09	1.24	0.93	0.68	3.17
Aridity Adj. (F)	1.26	1.20	1.70	2.33	3.47	4.28	3.59	3.53	3.59	3.28	2.27	1.51	2.67
Est. Dewpoint (F)	21.80	22.35	20.88	21.70	27.06	31.12	40.96	41.26	33.33	26.80	20.38	18.34	27.17
Rs (langley/day)	234	347	468	539	654	700	610	588	478	377	260	219	456
Wind (mpd)	123	135	151	165	150	142	118	116	122	126	123	119	133
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	97	96	100	96	96	108
.....Inches.....													
Alfalfa (Beef)				3.39	8.00	7.92	7.49	7.23	3.48	0.34			37.85
St Dev				0.48	1.42	0.62	0.58	0.51	1.56	0.73			2.81
Net Irr				2.84	7.47	7.61	6.75	6.03	2.56				33.26
Alfalfa (Dairy)				3.39	7.52	7.92	7.03	6.31	3.25	0.27			35.68
St Dev				0.48	1.31	0.60	0.33	0.45	1.43	0.59			2.76
Net Irr				2.84	6.98	7.61	6.29	5.11	2.34				31.16
Barley				1.38	5.76	10.39	6.77	0.35					24.65
St Dev				0.28	2.16	0.83	1.60	0.52					1.47
Net Irr				0.84	5.22	10.07	6.03						22.16
Other Hay				3.77	8.94	8.99	3.86	2.61	1.04				29.20
St Dev				0.44	1.52	0.68	0.21	0.13	0.12				2.13
Net Irr				3.22	8.40	8.67	3.11	1.41	0.13				24.95
Pasture				2.34	5.80	6.96	6.38	5.75	3.80	0.73			31.77
St Dev				0.25	1.00	0.49	0.31	0.30	0.77	0.82			2.23
Net Irr				1.80	5.26	6.65	5.64	4.55	2.89				26.79
Spring Grain				1.35	5.47	10.30	7.71	0.97					25.80
St Dev				0.26	2.17	0.89	1.31	0.86					1.56
Net Irr				0.80	4.93	9.99	6.97						22.69

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KODACHROME BASIN PARK

Aridity Index: 63%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 37.51, Long: -111.99, Elev: 5810 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.70	3.02	4.93	6.71	2.63	0.03			18.01
St Dev					0.14	0.21	0.25	0.60	1.15	0.11			1.50
Net Irr					0.16	2.71	4.19	5.51	1.71				14.27
Turfgrass				2.58	4.85	6.15	5.63	5.10	3.71	0.85			28.87
St Dev				0.27	0.84	0.43	0.27	0.26	0.58	0.88			1.95
Net Irr				2.03	4.32	5.83	4.89	3.89	2.80				23.76
Open Water Deep	1.02	1.18	2.27	2.80	3.97	5.26	4.69	4.61	3.48	2.97	1.89	1.22	35.35
St Dev	0.22	0.22	0.38	0.34	0.75	0.53	0.36	0.30	0.28	0.35	0.27	0.20	1.86
Net Evap	0.15	0.24	1.44	2.25	3.44	4.95	3.95	3.41	2.56	1.90	1.23	0.60	26.12
Open Water Shallow	1.07	1.77	3.33	4.21	5.69	6.18	5.94	5.68	4.30	3.02	1.64	1.07	43.90
St Dev	0.18	0.23	0.35	0.31	0.94	0.32	0.22	0.21	0.23	0.25	0.19	0.15	1.57
Net Evap	0.20	0.83	2.50	3.66	5.15	5.87	5.19	4.48	3.39	1.96	0.98	0.45	34.67
Wetlands Large					0.08	5.23	9.36	8.89	5.34	0.50			29.41
St Dev					0.03	0.35	0.46	0.44	1.70	0.99			2.35
Net ET						4.92	8.62	7.69	4.43				25.66
Wetlands Narrow					0.08	6.98	13.36	12.71	7.63	0.72			41.47
St Dev					0.03	0.47	0.65	0.63	2.42	1.41			3.35
Net ET						6.67	12.62	11.51	6.71				37.51
ETr	1.50	2.28	4.75	6.35	8.71	10.24	9.38	8.49	6.60	4.74	2.66	1.71	67.41
St Dev	0.38	0.44	0.70	0.61	1.50	0.72	0.45	0.43	0.49	0.54	0.43	0.35	3.02

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KOOSHAREM

Aridity Index: 54%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.51, Long: -111.88, Elev: 6930 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.46	28.46	35.33	41.83	50.39	59.22	65.93	63.87	55.85	45.41	33.62	25.47	44.15
St Dev	4.22	3.69	3.24	3.17	2.54	2.65	2.12	1.77	1.92	2.52	2.76	3.70	1.23
Precip (in)	0.67	0.63	0.81	0.65	0.81	0.63	1.16	1.38	0.97	1.14	0.70	0.59	10.14
St Dev	0.49	0.45	0.51	0.42	0.66	0.69	0.71	1.00	0.87	0.88	0.57	0.43	2.32
Aridity Adj. (F)	1.08	1.03	1.46	2.00	2.97	3.67	3.08	3.02	3.08	2.81	1.94	1.30	2.29
Est. Dewpoint (F)	14.65	15.49	15.70	16.28	22.15	26.00	34.04	33.52	26.81	21.19	16.34	13.75	21.33
Rs (langley/day)	240	332	446	573	582	704	591	596	483	374	257	221	450
Wind (mpd)	87	92	141	159	135	121	97	97	88	96	93	93	108
Calc. Wind Limit (mpd)	96	96	132	132	132	125	96	96	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)				0.11	5.15	8.03	7.66	5.49	2.15				28.58
St Dev				0.05	0.56	0.56	0.65	1.09	1.61				2.70
Net Irr					4.50	7.52	6.73	4.38	1.37				24.50
Alfalfa (Dairy)				0.11	5.15	7.24	6.78	5.82	1.81				26.91
St Dev				0.05	0.56	0.49	0.31	0.79	1.58				2.37
Net Irr					4.50	6.73	5.85	4.72	1.03				22.83
Other Hay				0.10	5.63	9.67	6.99	3.21	1.24	0.06			26.90
St Dev				0.04	0.47	0.72	0.31	0.16	0.48	0.14			1.27
Net Irr					4.98	9.16	6.06	2.10	0.47				22.77
Pasture				0.07	3.52	6.27	6.09	5.58	2.44	0.14			24.10
St Dev				0.03	0.29	0.46	0.27	0.33	1.13	0.37			1.74
Net Irr					2.86	5.77	5.16	4.47	1.66				19.92

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KOOSHAREM

Aridity Index: 54%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.51, Long: -111.88, Elev: 6930 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						2.29	3.78	5.70	1.35				13.12
St Dev						0.18	0.19	0.60	1.36				1.86
Net Irr						1.78	2.85	4.60	0.57				9.81
Turfgrass				0.13	3.52	5.35	5.37	4.98	2.48	0.17			22.00
St Dev				0.05	0.28	0.39	0.24	0.25	1.02	0.43			1.53
Net Irr					2.87	4.84	4.44	3.88	1.70				17.73
Open Water Deep	0.94	1.04	2.03	2.52	3.50	4.42	4.43	4.44	2.98	2.72	1.70	1.12	31.82
St Dev	0.15	0.16	0.32	0.33	0.36	0.44	0.31	0.23	0.20	0.30	0.24	0.19	1.34
Net Evap	0.41	0.54	1.38	2.00	2.85	3.91	3.50	3.34	2.20	1.81	1.14	0.65	23.72
Open Water Shallow	1.06	1.59	3.03	4.17	4.91	5.92	5.65	5.58	4.11	2.89	1.53	1.02	41.46
St Dev	0.13	0.17	0.30	0.34	0.29	0.33	0.19	0.19	0.19	0.24	0.18	0.14	1.06
Net Evap	0.52	1.09	2.38	3.65	4.26	5.41	4.72	4.47	3.34	1.98	0.98	0.55	33.35
Wetlands Large						2.85	8.05	8.26	2.77	0.01			21.95
St Dev						0.21	0.39	1.11	2.12	0.06			2.92
Net ET						2.35	7.12	7.16	1.99				18.62
Wetlands Narrow						3.69	11.39	11.81	3.95	0.01			30.85
St Dev						0.27	0.56	1.59	3.02	0.08			4.16
Net ET						3.18	10.46	10.70	3.18				27.52
ETr	1.49	2.08	4.22	5.93	7.59	9.29	8.95	8.33	6.10	4.50	2.45	1.58	62.50
St Dev	0.26	0.31	0.58	0.64	0.59	0.69	0.40	0.39	0.36	0.50	0.41	0.30	2.17

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LA SAL 1SW

Aridity Index: 89%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 38.3, Long: -109.23, Elev: 6785 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.79	28.81	37.27	44.22	53.61	63.65	70.48	68.48	59.90	48.30	35.14	26.19	46.74
St Dev	4.29	3.16	3.37	3.22	2.90	2.69	2.30	2.26	2.22	2.64	2.97	3.33	1.22
Precip (in)	1.26	1.11	1.16	0.97	0.87	0.64	1.24	1.42	1.48	1.63	1.17	0.97	13.94
St Dev	1.32	1.13	0.96	0.77	0.81	0.73	0.91	1.12	1.30	1.27	0.98	0.92	3.78
Aridity Adj. (F)	1.78	1.69	2.40	3.29	4.90	6.05	5.07	4.98	5.07	4.63	3.20	2.14	3.77
Est. Dewpoint (F)	12.42	14.05	17.72	18.31	24.75	28.07	38.90	41.02	33.00	25.32	16.86	12.73	23.60
Rs (langley/day)	274	354	432	616	656	725	602	597	522	381	282	237	473
Wind (mpd)	151	150	184	214	186	163	129	135	136	150	149	154	158
Calc. Wind Limit (mpd)	99	119	132	132	132	132	122	121	129	132	127	103	123
.....Inches.....													
Alfalfa (Beef)				0.27	4.73	7.96	7.31	5.57	3.20	0.09			29.13
St Dev				0.07	0.56	0.44	0.67	0.73	1.52	0.24			2.15
Net Irr					4.03	7.45	6.32	4.43	2.01				24.24
Alfalfa (Dairy)				0.27	4.73	7.16	6.77	5.80	2.69	0.10			27.52
St Dev				0.07	0.56	0.40	0.36	0.70	1.56	0.23			2.12
Net Irr					4.03	6.65	5.78	4.66	1.50				22.63
Other Hay				0.25	5.40	9.22	6.62	3.01	1.39	0.11			26.00
St Dev				0.06	0.50	0.54	0.33	0.19	0.41	0.15			1.08
Net Irr					4.71	8.71	5.63	1.87	0.20				21.12
Pasture				0.17	3.38	6.00	6.07	5.35	2.87	0.25			24.09
St Dev				0.04	0.31	0.35	0.29	0.33	1.09	0.41			1.58
Net Irr					2.68	5.49	5.08	4.21	1.68				19.13
Spring Grain				0.13	1.91	6.43	9.13	5.77	0.78				24.16
St Dev				0.03	0.38	1.08	0.45	1.29	0.66				1.13
Net Irr					1.21	5.92	8.14	4.64					19.91

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LA SAL 1SW

Aridity Index: 89%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 38.3, Long: -109.23, Elev: 6785 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.86	3.48	5.40	2.14				12.88
St Dev						0.12	0.17	0.43	1.46				1.72
Net Irr						1.35	2.49	4.26	0.96				9.05
Turfgrass				0.30	3.24	5.14	5.35	4.75	2.85	0.31			21.95
St Dev				0.07	0.30	0.30	0.25	0.29	0.92	0.48			1.38
Net Irr					2.54	4.63	4.36	3.61	1.67				16.81
Open Water Deep	0.86	1.07	1.56	2.08	2.86	4.27	4.77	4.40	3.43	2.89	1.84	0.98	31.00
St Dev	0.15	0.15	0.27	0.38	0.33	0.39	0.34	0.36	0.33	0.37	0.29	0.15	1.27
Net Evap		0.18	0.63	1.30	2.16	3.76	3.78	3.26	2.24	1.58	0.90	0.20	20.00
Open Water Shallow	1.03	1.53	2.70	4.20	5.06	5.94	5.73	5.50	4.32	2.79	1.51	0.94	41.26
St Dev	0.13	0.16	0.30	0.65	0.37	0.26	0.20	0.26	0.27	0.27	0.20	0.13	1.27
Net Evap	0.03	0.64	1.77	3.43	4.36	5.43	4.73	4.36	3.13	1.48	0.58	0.17	30.11
Wetlands Large						2.72	8.04	8.15	4.18	0.27			23.36
St Dev						0.18	0.39	0.85	1.94	0.61			2.84
Net ET						2.21	7.04	7.02	2.99				19.26
Wetlands Narrow						3.51	11.37	11.65	5.97	0.39			32.89
St Dev						0.23	0.56	1.22	2.77	0.87			4.06
Net ET						3.00	10.38	10.51	4.78				28.67
ETr	1.23	1.83	3.47	5.35	6.92	8.85	8.92	7.92	6.18	4.09	2.23	1.24	58.22
St Dev	0.26	0.27	0.51	0.88	0.64	0.52	0.42	0.49	0.55	0.56	0.44	0.27	2.26

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LA VERKIN

Aridity Index: 55%, Temp. Adj. (F): -7, Period: 1971-2008, Lat: 37.21, Long: -113.27, Elev: 3220 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	40.72	46.00	52.57	59.26	67.75	77.13	82.92	81.04	73.52	61.67	48.63	40.58	60.98
St Dev	3.32	2.66	3.39	3.60	3.08	2.72	2.43	2.41	2.56	3.03	2.92	2.66	1.59
Precip (in)	1.48	1.62	1.62	0.81	0.49	0.24	0.66	1.03	0.83	1.00	1.02	0.91	11.72
St Dev	1.54	1.24	1.46	0.72	0.54	0.36	0.60	0.77	0.93	0.97	0.90	0.83	3.76
Aridity Adj. (F)	1.10	1.05	1.49	2.04	3.03	3.74	3.14	3.08	3.14	2.86	1.98	1.32	2.33
Est. Dewpoint (F)	26.03	27.77	28.77	33.48	40.03	47.55	55.03	53.90	45.92	34.69	27.10	25.49	37.15
Rs (langley/day)	257	335	434	551	656	708	654	588	487	379	276	238	464
Wind (mpd)	72	69	107	107	111	104	93	97	79	79	81	59	88
Calc. Wind Limit (mpd)	96	96	96	98	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			0.80	4.66	5.98	7.60	7.59	6.32	4.66	1.94	0.03		39.58
St Dev			0.41	0.71	0.46	0.67	0.86	0.43	0.61	1.27	0.08		2.50
Net Irr				4.01	5.59	7.40	7.06	5.49	3.99	1.14			34.69
Alfalfa (Dairy)			0.80	4.63	5.80	6.59	6.86	6.21	4.36	1.91	0.03		37.20
St Dev			0.41	0.68	0.45	0.43	0.32	0.32	0.49	1.09	0.06		2.12
Net Irr				3.98	5.41	6.40	6.34	5.38	3.69	1.11			32.31
Barley			0.47	2.84	7.27	7.77	1.18						19.53
St Dev			0.20	0.80	0.91	0.99	1.21						0.77
Net Irr				2.19	6.88	7.58	0.65						17.29
Corn				0.09	1.74	5.95	8.88	5.25	0.38				22.29
St Dev				0.04	0.25	1.02	0.40	1.06	0.49				0.84
Net Irr					1.35	5.75	8.35	4.43					19.88
Melon				0.07	2.19	5.60	5.97	5.40	2.21				21.45
St Dev				0.03	0.23	0.34	0.28	0.27	0.28				0.83
Net Irr					1.80	5.41	5.44	4.58	1.54				18.77
Onion				0.16	3.72	7.07	9.18	7.92	2.09				30.15
St Dev				0.05	0.29	0.37	0.44	0.39	0.19				1.14
Net Irr					3.33	6.87	8.65	7.09	1.43				27.38
Other Hay			0.82	5.08	7.76	5.44	3.33	2.14	0.32				24.88
St Dev			0.43	0.62	0.56	0.67	0.19	0.15	0.19				1.11
Net Irr				4.42	7.37	5.24	2.80	1.32					21.15
Other Orchard				1.80	6.26	8.54	8.82	7.72	4.51	2.07			39.72
St Dev				0.17	0.49	0.47	0.42	0.39	0.29	0.61			1.76
Net Irr				1.15	5.87	8.35	8.29	6.90	3.84	1.27			35.66
Pasture			0.99	3.61	5.15	6.05	6.25	5.64	3.96	2.07	0.22		33.94
St Dev			0.34	0.37	0.39	0.33	0.30	0.28	0.30	0.83	0.34		2.00
Net Irr				2.96	4.76	5.86	5.72	4.82	3.30	1.27			28.68
Potato				0.10	1.98	5.78	6.93	4.23	0.31				19.32
St Dev				0.03	0.35	0.72	0.29	0.99	0.45				0.73
Net Irr					1.59	5.59	6.40	3.40					16.98
Sorghum				0.12	2.28	6.54	8.26	7.47	0.24				24.91
St Dev				0.05	0.22	0.44	0.40	0.37	0.31				0.99
Net Irr					1.89	6.35	7.73	6.65					22.62
Spring Grain			0.47	2.70	7.11	8.30	2.08						20.66
St Dev			0.20	0.75	0.98	0.69	1.54						0.76
Net Irr				2.04	6.72	8.11	1.55						18.42

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LA VERKIN

Aridity Index: 55%, Temp. Adj. (F): -7, Period: 1971-2008, Lat: 37.21, Long: -113.27, Elev: 3220 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.13	2.06	4.17	7.00	5.98	1.18				20.52
St Dev				0.03	0.16	0.22	0.34	0.30	0.10				0.78
Net Irr					1.67	3.97	6.47	5.16	0.52				17.79
Turfgrass Dixie			1.38	2.95	4.79	5.78	5.97	5.40	3.92	2.35	0.30		32.84
St Dev			0.40	0.27	0.38	0.32	0.28	0.27	0.25	0.82	0.45		1.90
Net Irr			0.08	2.30	4.40	5.59	5.44	4.58	3.26	1.55			27.19
Open Water Deep	0.96	1.04	1.87	2.08	2.78	3.63	4.14	4.51	2.93	2.70	1.76	0.79	29.20
St Dev	0.17	0.16	0.33	0.29	0.33	0.34	0.33	0.36	0.27	0.31	0.23	0.13	1.69
Net Evap			0.58	1.43	2.39	3.43	3.61	3.69	2.26	1.90	0.94	0.07	20.31
Open Water Shallow	1.23	1.82	3.22	4.26	5.51	6.15	6.34	5.86	4.44	3.13	1.72	1.08	44.76
St Dev	0.17	0.21	0.35	0.31	0.34	0.26	0.24	0.23	0.23	0.24	0.17	0.14	1.30
Net Evap	0.04	0.52	1.92	3.61	5.12	5.95	5.81	5.03	3.77	2.33	0.91	0.36	35.38
Wetlands Large					2.45	8.14	9.64	8.72	6.17	2.90	0.07		38.10
St Dev					0.60	0.73	0.46	0.44	0.71	1.57	0.19		2.87
Net ET					2.06	7.95	9.11	7.90	5.51	2.10			34.63
Wetlands Narrow					3.18	11.54	13.78	12.46	8.82	4.14	0.10		54.02
St Dev					0.81	1.07	0.66	0.62	1.02	2.24	0.27		4.10
Net ET					2.79	11.34	13.25	11.63	8.15	3.35			50.52
ETr	1.49	2.22	4.35	5.75	7.58	8.90	9.18	8.31	6.04	4.39	2.49	1.26	61.94
St Dev	0.31	0.35	0.60	0.50	0.57	0.49	0.44	0.41	0.39	0.41	0.32	0.24	2.13

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LAKETOWN

Aridity Index: 20%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.82, Long: -111.32, Elev: 5980 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	15.08	16.22	26.74	37.35	46.86	55.93	64.34	62.64	52.77	41.60	28.38	18.60	38.87
St Dev	5.94	5.89	4.53	3.70	2.20	3.04	3.00	2.34	2.39	2.53	3.95	4.07	1.73
Precip (in)	1.15	0.97	1.10	1.34	1.48	0.98	0.78	0.91	1.16	1.26	1.16	1.08	13.36
St Dev	1.00	0.78	0.57	0.98	0.88	0.94	0.55	0.97	1.01	0.80	0.66	0.78	3.87
Aridity Adj. (F)	0.40	0.38	0.54	0.74	1.10	1.36	1.14	1.12	1.14	1.04	0.72	0.48	0.85
Est. Dewpoint (F)	1.71	0.94	9.01	15.23	22.08	29.50	34.79	33.92	24.54	18.84	11.76	3.32	17.14
Rs (langley/day)	196	306	424	534	559	686	690	598	478	325	212	163	431
Wind (mpd)	104	85	115	125	124	113	106	113	104	104	106	105	109
Calc. Wind Limit (mpd)	96	96	118	110	114	96	106	105	96	96	101	96	102
.....Inches.....													
Alfalfa (Beef)					3.29	7.32	7.52	5.20	1.69	0.01			25.02
St Dev					0.36	0.48	0.78	1.75	1.81	0.03			3.61
Net Irr					2.11	6.53	6.90	4.48	0.76				20.78
Alfalfa (Dairy)					3.29	6.60	7.18	5.30	1.06				23.43
St Dev					0.36	0.38	1.09	2.15	1.28				3.63
Net Irr					2.11	5.81	6.56	4.58	0.14				19.19
Barley					1.36	5.56	9.91	4.45	0.05				21.33
St Dev					0.24	0.92	0.60	1.79	0.14				2.04
Net Irr					0.18	4.78	9.29	3.73					17.97
Other Hay					3.50	8.11	8.97	3.63	1.04	0.01			25.26
St Dev					0.32	0.59	0.39	0.24	0.61	0.05			1.11
Net Irr					2.32	7.33	8.34	2.91	0.11				21.02
Pasture					2.15	5.26	6.63	5.68	1.78	0.02			21.52
St Dev					0.20	0.38	0.28	0.51	1.16	0.09			1.53
Net Irr					0.97	4.48	6.01	4.96	0.86				17.27
Spring Grain					1.32	5.27	9.91	5.43	0.25				22.18
St Dev					0.22	0.88	0.62	1.98	0.36				2.44
Net Irr					0.14	4.49	9.29	4.71					18.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LAKETOWN

Aridity Index: 20%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.82, Long: -111.32, Elev: 5980 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.34	3.44	5.60	1.20				11.57
St Dev						0.10	0.15	0.21	1.06				1.01
Net Irr						0.56	2.82	4.87	0.27				8.52
Turfgrass					2.46	4.37	5.85	5.12	1.87	0.02			19.68
St Dev					0.22	0.31	0.25	0.36	1.13	0.11			1.35
Net Irr					1.28	3.59	5.23	4.39	0.94				15.42
Open Water Deep	0.90	0.71	1.29	1.77	2.75	3.08	4.88	4.97	3.24	2.56	1.63	1.09	28.88
St Dev	0.15	0.12	0.20	0.26	0.26	0.34	0.40	0.27	0.25	0.26	0.23	0.14	1.35
Net Evap			0.41	0.70	1.57	2.30	4.26	4.24	2.31	1.55	0.70	0.23	18.28
Open Water Shallow	0.78	1.11	2.33	3.54	4.48	5.45	6.35	5.65	4.02	2.48	1.22	0.79	38.21
St Dev	0.09	0.12	0.22	0.32	0.26	0.31	0.21	0.14	0.19	0.17	0.12	0.07	1.15
Net Evap		0.33	1.46	2.47	3.30	4.67	5.72	4.92	3.09	1.47	0.29		27.74
Wetlands Large						1.44	7.72	7.87	2.11	0.01			19.16
St Dev						0.25	0.50	2.38	2.21	0.08			4.00
Net ET						0.66	7.09	7.14	1.19				16.09
Wetlands Narrow						1.80	10.81	11.24	3.02	0.02			26.89
St Dev						0.32	0.72	3.40	3.16	0.12			5.71
Net ET						1.02	10.18	10.52	2.09				23.81
ETr	1.41	1.64	3.29	4.98	6.77	7.98	9.75	8.72	6.19	4.08	2.16	1.53	58.50
St Dev	0.17	0.18	0.37	0.57	0.52	0.58	0.42	0.30	0.42	0.39	0.29	0.15	2.37

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LEVAN

Aridity Index: 34%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.56, Long: -111.86, Elev: 5290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.37	31.92	40.34	47.35	56.06	65.86	73.59	71.86	62.76	50.79	37.92	27.63	49.37
St Dev	5.36	4.18	3.50	3.23	2.88	2.73	2.11	1.83	2.53	2.97	3.45	4.10	1.39
Precip (in)	1.27	1.33	1.62	1.51	1.54	0.75	0.70	0.81	1.28	1.67	1.24	1.19	14.91
St Dev	0.86	0.84	0.85	0.89	0.98	0.72	0.52	0.54	1.12	1.06	0.63	0.63	3.58
Aridity Adj. (F)	0.68	0.65	0.92	1.26	1.87	2.31	1.94	1.90	1.94	1.77	1.22	0.82	1.44
Est. Dewpoint (F)	22.48	22.79	22.28	26.81	31.25	37.32	43.19	42.25	34.83	30.40	22.46	20.26	29.69
Rs (langleys/day)	193	285	356	484	564	706	653	600	503	345	192	161	420
Wind (mpd)	107	94	130	143	121	109	99	112	102	94	96	98	109
Calc. Wind Limit (mpd)	96	96	119	132	119	106	101	117	105	96	96	96	107
.....Inches.....													
Alfalfa (Beef)				0.90	5.10	6.59	7.89	6.79	3.08	0.11			30.48
St Dev				0.34	0.69	0.36	0.67	0.80	1.15	0.24			2.00
Net Irr					3.87	6.00	7.34	6.15	2.06				25.41
Alfalfa (Dairy)				0.90	5.10	6.25	6.79	6.37	3.22	0.13			28.77
St Dev				0.34	0.69	0.40	0.35	0.33	1.16	0.31			2.16
Net Irr					3.87	5.65	6.24	5.72	2.20				23.68
Apples / Cherries					1.03	5.95	9.30	8.95	5.62	0.74			31.58
St Dev					0.14	0.41	0.48	0.42	1.08	0.98			2.40
Net Irr						5.35	8.74	8.30	4.60				26.98
Barley				0.42	2.59	7.47	8.59	1.79					20.85
St Dev				0.10	0.62	0.98	0.59	1.21					0.71
Net Irr					1.35	6.88	8.03	1.14					17.40
Corn					0.14	1.87	6.07	8.47	4.00	0.17			20.72
St Dev					0.05	0.25	0.88	0.38	1.41	0.38			2.12
Net Irr						1.28	5.51	7.82	2.97				17.58
Other Hay				0.95	5.81	8.35	5.40	3.06	1.41	0.08			25.05
St Dev				0.36	0.63	0.58	0.52	0.15	0.25	0.09			1.25
Net Irr					4.57	7.75	4.84	2.41	0.38				19.96
Other Orchard					0.98	5.65	8.66	8.26	5.18	0.67			29.40
St Dev					0.13	0.39	0.44	0.39	0.99	0.88			2.21
Net Irr						5.05	8.10	7.61	4.16				24.93
Pasture				0.68	3.81	5.56	6.15	5.83	3.31	0.39			25.73
St Dev				0.13	0.36	0.40	0.31	0.28	0.82	0.56			1.85
Net Irr					2.57	4.96	5.59	5.18	2.29				20.59
Spring Grain				0.42	2.46	7.26	8.96	2.97	0.03				22.10
St Dev				0.10	0.58	1.00	0.47	1.35	0.10				0.78
Net Irr					1.23	6.66	8.41	2.33					18.62
Winter Wheat			0.23	1.20	2.65	7.30	7.83	1.28	0.01				20.49
St Dev			0.05	0.18	0.72	1.23	1.02	1.10	0.03				0.68
Net Irr					1.42	6.70	7.27	0.63					16.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LEVAN

Aridity Index: 34%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.56, Long: -111.86, Elev: 5290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden					0.19	2.23	4.23	6.52	2.32	0.02			15.51
St Dev					0.04	0.16	0.23	0.41	1.41	0.08			1.75
Net Irr						1.63	3.68	5.88	1.30				12.48
Turfgrass				0.96	3.21	4.89	5.43	5.16	3.25	0.46			23.36
St Dev				0.17	0.29	0.35	0.28	0.24	0.63	0.62			1.66
Net Irr					1.97	4.29	4.87	4.52	2.23				17.88
Open Water Deep	0.29	0.53	1.33	1.71	2.50	3.24	4.23	4.98	3.19	2.11	1.32	0.53	25.97
St Dev	0.11	0.14	0.25	0.28	0.32	0.35	0.33	0.30	0.30	0.32	0.25	0.12	1.57
Net Evap			0.04	0.50	1.27	2.64	3.67	4.33	2.17	0.78	0.33		15.73
Open Water Shallow	0.43	1.07	2.29	3.37	4.49	5.71	6.08	5.75	4.26	2.48	1.08	0.47	37.50
St Dev	0.11	0.18	0.27	0.31	0.31	0.32	0.24	0.20	0.23	0.26	0.17	0.10	1.39
Net Evap		0.01	0.99	2.16	3.25	5.12	5.52	5.11	3.24	1.15	0.09		26.64
Wetlands Large						3.03	8.41	9.03	4.74	0.25			25.47
St Dev						0.71	0.70	0.43	1.73	0.55			2.79
Net ET						2.43	7.85	8.39	3.72				22.40
Wetlands Narrow						3.95	11.94	12.91	6.78	0.35			35.93
St Dev						0.96	1.03	0.61	2.48	0.79			3.98
Net ET						3.36	11.38	12.26	5.75				32.75
ETr	0.26	1.13	3.15	4.60	6.42	8.18	9.05	8.60	6.15	3.53	1.70	0.54	53.31
St Dev	0.24	0.29	0.50	0.55	0.59	0.58	0.46	0.41	0.44	0.50	0.37	0.20	2.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LITTLE SAHARA RECREATION AREA

Aridity Index: 89%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.73, Long: -112.31, Elev: 5240 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.95	31.23	39.06	45.99	55.95	65.71	74.01	72.13	61.60	48.95	35.44	26.09	48.51
St Dev	5.23	4.30	3.46	3.34	2.92	3.09	2.78	2.17	2.90	2.77	3.62	4.03	1.63
Precip (in)	0.99	0.99	1.20	1.21	1.32	0.64	0.68	0.73	0.94	1.28	0.90	0.73	11.60
St Dev	0.75	0.79	0.84	0.79	1.14	0.59	0.60	0.71	0.96	0.89	0.70	0.72	4.06
Aridity Adj. (F)	1.78	1.69	2.40	3.29	4.90	6.05	5.07	4.98	5.07	4.63	3.20	2.14	3.77
Est. Dewpoint (F)	17.83	18.98	17.95	21.79	26.69	31.52	38.16	37.29	28.51	23.42	15.84	14.32	24.36
Rs (langley/day)	225	297	400	473	571	626	571	503	379	388	263	219	410
Wind (mpd)	86	82	121	131	114	104	92	102	90	83	85	82	98
Calc. Wind Limit (mpd)	96	96	116	129	112	102	97	111	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				0.92	5.72	6.68	8.07	6.72	2.34	0.12			30.58
St Dev				0.18	0.74	0.40	0.63	1.38	1.31	0.26			2.54
Net Irr					4.67	6.17	7.53	6.13	1.59				26.09
Alfalfa (Dairy)				0.92	5.72	6.43	6.92	6.26	2.47	0.11			28.83
St Dev				0.18	0.74	0.45	0.29	0.64	1.35	0.27			2.32
Net Irr					4.67	5.92	6.38	5.68	1.72				24.35
Apples / Cherries					0.90	5.88	9.47	9.07	4.66	0.34			30.33
St Dev					0.14	0.42	0.40	0.35	1.68	0.57			2.15
Net Irr						5.37	8.93	8.49	3.91				26.69
Barley				0.39	2.96	7.88	8.39	1.26					20.89
St Dev				0.07	0.65	0.98	0.77	1.12					0.73
Net Irr					1.91	7.36	7.85	0.68					17.80
Corn					0.12	1.99	6.64	8.29	2.94	0.11			20.08
St Dev					0.03	0.28	0.91	0.93	1.52	0.24			2.44
Net Irr						1.47	6.09	7.71	2.18				17.46
Other Hay				0.94	6.37	8.68	5.69	3.14	1.20	0.05			26.06
St Dev				0.17	0.60	0.65	0.26	0.12	0.40	0.09			1.24
Net Irr					5.31	8.16	5.15	2.55	0.44				21.62
Other Orchard					0.88	5.56	8.85	8.37	4.30	0.31			28.27
St Dev					0.14	0.39	0.37	0.32	1.55	0.52			1.98
Net Irr						5.05	8.31	7.79	3.55				24.69
Pasture				0.59	4.04	5.74	6.31	5.86	2.64	0.16			25.33
St Dev				0.11	0.38	0.42	0.26	0.26	1.09	0.27			1.53
Net Irr					2.98	5.23	5.76	5.28	1.89				21.13
Spring Grain				0.39	2.81	7.65	8.91	2.33	0.01				22.11
St Dev				0.07	0.62	1.03	0.56	1.41	0.05				0.79
Net Irr					1.76	7.14	8.37	1.75					19.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LITTLE SAHARA RECREATION AREA

Aridity Index: 89%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.73, Long: -112.31, Elev: 5240 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.15	2.27	4.26	6.47	1.98	0.01			15.14
St Dev					0.04	0.16	0.19	0.71	1.39	0.04			1.88
Net Irr						1.76	3.71	5.89	1.23				12.59
Turfgrass				0.88	3.49	5.02	5.57	5.23	2.69	0.21			23.08
St Dev				0.15	0.32	0.37	0.23	0.20	0.97	0.35			1.33
Net Irr					2.43	4.50	5.02	4.65	1.94				18.54
Open Water Deep	0.73	0.84	1.82	2.28	3.02	3.84	4.96	5.58	3.35	2.27	1.50	0.85	31.04
St Dev	0.12	0.14	0.28	0.35	0.37	0.42	0.42	0.32	0.28	0.26	0.23	0.14	1.61
Net Evap		0.05	0.86	1.32	1.96	3.32	4.42	5.00	2.59	1.25	0.78	0.26	21.82
Open Water Shallow	0.83	1.36	2.74	3.56	4.76	5.39	5.74	5.29	3.64	2.80	1.44	0.85	38.40
St Dev	0.10	0.16	0.26	0.33	0.33	0.31	0.19	0.13	0.16	0.19	0.17	0.11	1.11
Net Evap	0.04	0.57	1.78	2.60	3.70	4.87	5.19	4.71	2.89	1.78	0.72	0.27	29.11
Wetlands Large						2.91	8.56	8.93	3.74	0.21			24.34
St Dev						0.32	0.42	1.04	2.02	0.47			3.02
Net ET						2.40	8.01	8.34	2.99				21.74
Wetlands Narrow						3.79	12.13	12.75	5.34	0.30			34.31
St Dev						0.42	0.61	1.49	2.89	0.67			4.31
Net ET						3.27	11.59	12.17	4.59				31.62
ETr	1.05	1.71	3.95	5.32	7.13	8.44	9.28	8.76	6.03	4.02	2.16	1.19	59.03
St Dev	0.18	0.27	0.49	0.67	0.66	0.62	0.39	0.31	0.34	0.40	0.33	0.22	2.24

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOA

Aridity Index: 30%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 38.41, Long: -111.64, Elev: 7070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.57	28.00	35.08	41.70	50.84	59.24	65.59	63.33	55.27	44.88	32.84	24.49	43.74
St Dev	4.14	3.30	3.14	3.30	2.42	2.51	2.01	1.57	1.92	2.56	3.14	3.35	1.06
Precip (in)	0.60	0.41	0.67	0.66	0.69	0.48	0.87	1.18	0.77	0.83	0.51	0.47	8.14
St Dev	0.46	0.40	0.57	0.82	0.57	0.53	0.66	0.92	0.64	0.72	0.58	0.34	2.76
Aridity Adj. (F)	0.60	0.57	0.81	1.11	1.65	2.04	1.71	1.68	1.71	1.56	1.08	0.72	1.27
Est. Dewpoint (F)	13.80	15.13	15.42	17.23	24.62	28.90	36.47	35.79	28.99	22.64	15.95	12.84	22.31
Rs (langley/day)	231	337	440	582	633	707	598	555	467	361	236	207	446
Wind (mpd)	100	106	138	154	130	121	96	97	94	105	104	103	112
Calc. Wind Limit (mpd)	96	96	132	132	132	127	96	97	96	97	96	96	108
.....Inches.....													
Alfalfa (Beef)					3.30	7.74	6.10	4.74	1.30				23.18
St Dev					0.39	0.67	0.29	0.90	1.26				1.95
Net Irr					2.75	7.36	5.40	3.80	0.68				19.99
Alfalfa (Dairy)					3.30	7.12	6.11	4.67	0.93				22.14
St Dev					0.39	0.49	0.30	1.31	0.78				1.73
Net Irr					2.75	6.74	5.41	3.72	0.32				18.94
Other Hay					3.59	8.48	7.40	3.02	1.10	0.01			23.60
St Dev					0.35	0.63	0.34	0.25	0.46	0.05			1.10
Net Irr					3.03	8.10	6.70	2.08	0.48				20.39
Pasture					2.19	5.50	5.47	4.78	1.93	0.03			19.89
St Dev					0.22	0.41	0.25	0.47	0.93	0.10			1.33
Net Irr					1.64	5.12	4.77	3.83	1.31				16.67
Spring Grain					1.30	5.13	8.14	6.05	0.91				21.54
St Dev					0.22	0.86	0.44	1.26	0.82				1.61
Net Irr					0.75	4.75	7.44	5.10	0.30				18.35

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOA

Aridity Index: 30%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 38.41, Long: -111.64, Elev: 7070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.54	2.94	4.68	0.99				10.15
St Dev						0.12	0.14	0.30	0.90				1.01
Net Irr						1.16	2.24	3.74	0.37				7.51
Turfgrass					2.50	4.57	4.82	4.26	1.99	0.04			18.18
St Dev					0.24	0.34	0.22	0.39	0.88	0.13			1.18
Net Irr					1.95	4.19	4.12	3.32	1.38				14.95
Open Water Deep	0.69	0.76	1.51	1.92	2.71	3.52	3.42	3.44	2.44	2.11	1.32	0.81	24.66
St Dev	0.14	0.13	0.24	0.27	0.30	0.35	0.22	0.18	0.19	0.25	0.21	0.14	1.06
Net Evap	0.22	0.43	0.98	1.39	2.16	3.14	2.72	2.50	1.83	1.44	0.91	0.44	18.15
Open Water Shallow	0.83	1.38	2.67	3.85	4.87	5.63	5.37	4.97	3.75	2.54	1.26	0.79	37.89
St Dev	0.12	0.17	0.26	0.32	0.31	0.31	0.18	0.19	0.19	0.21	0.15	0.11	1.03
Net Evap	0.35	1.05	2.13	3.32	4.31	5.25	4.67	4.03	3.13	1.88	0.84	0.42	31.38
Wetlands Large						2.07	6.87	6.80	1.99				17.73
St Dev						0.16	0.33	1.46	1.60				2.64
Net ET						1.69	6.17	5.86	1.38				15.09
Wetlands Narrow						2.64	9.67	9.72	2.85				24.88
St Dev						0.20	0.47	2.09	2.28				3.78
Net ET						2.26	8.98	8.77	2.23				22.24
ETr	1.14	1.68	3.58	5.16	6.87	8.34	8.04	7.20	5.42	3.78	2.01	1.21	54.45
St Dev	0.26	0.30	0.49	0.56	0.59	0.62	0.37	0.39	0.38	0.43	0.35	0.27	2.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGAN 5 SW EXP FARM

Aridity Index: 32%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.67, Long: -111.89, Elev: 4490 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.46	25.55	36.94	45.46	53.64	62.46	70.29	68.47	58.32	47.05	34.62	23.53	45.65
St Dev	6.92	6.09	4.53	2.84	2.43	2.58	2.69	2.30	2.53	2.21	3.87	5.02	1.60
Precip (in)	1.70	1.67	1.83	1.94	2.07	1.22	0.76	0.92	1.45	1.87	1.48	1.54	18.44
St Dev	1.38	1.29	0.92	1.13	1.16	1.10	0.75	1.36	1.38	1.12	0.88	1.18	5.38
Aridity Adj. (F)	0.64	0.61	0.86	1.18	1.76	2.18	1.82	1.79	1.82	1.66	1.15	0.77	1.35
Est. Dewpoint (F)	18.85	21.58	26.27	28.97	32.53	37.01	41.96	37.94	35.58	27.45	25.41	18.78	29.36
Rs (langley/day)	155	252	375	447	566	648	649	549	440	310	200	141	394
Wind (mpd)	36	43	64	93	86	68	76	73	65	65	45	46	63
Calc. Wind Limit (mpd)	96	96	96	104	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.13	5.34	5.59	7.33	6.86	2.75	0.35	0.01		29.36
St Dev				0.60	0.61	0.44	0.62	0.58	0.84	0.55	0.05		1.88
Net Irr					3.68	4.62	6.73	6.12	1.59				22.74
Alfalfa (Dairy)				1.13	5.24	5.57	6.62	5.85	2.95	0.33	0.02		27.69
St Dev				0.60	0.51	0.42	0.38	0.29	0.71	0.52	0.11		1.92
Net Irr					3.58	4.59	6.01	5.11	1.78				21.08
Apples / Cherries				0.42	4.16	7.36	9.25	8.19	4.58	1.20	0.01		35.16
St Dev				0.33	0.58	0.61	0.50	0.35	0.48	0.86	0.05		2.22
Net Irr					2.50	6.38	8.64	7.45	3.41				28.39
Barley				0.62	3.54	7.30	6.65	0.27					18.37
St Dev				0.29	0.86	0.64	1.18	0.37					0.52
Net Irr					1.88	6.33	6.04						14.25
Corn					0.50	2.12	7.13	7.50	3.28	0.23			20.77
St Dev					0.22	0.56	1.03	0.29	0.65	0.35			1.51
Net Irr						1.15	6.52	6.76	2.12				16.55
Melon					0.46	3.01	5.75	5.11	1.94	0.03			16.30
St Dev					0.24	0.62	0.32	0.28	0.94	0.13			1.61
Net Irr						2.04	5.14	4.37	0.77				12.33
Other Hay				1.17	5.77	7.29	5.05	2.76	1.21	0.09			23.33
St Dev				0.64	0.63	0.50	0.83	0.15	0.16	0.10			1.16
Net Irr					4.11	6.32	4.44	2.02	0.05				16.94
Other Orchard				0.41	3.93	6.88	8.54	7.56	4.14	1.12	0.01		32.59
St Dev				0.31	0.56	0.54	0.46	0.32	0.43	0.81	0.05		2.06
Net Irr					2.27	5.91	7.93	6.82	2.98				25.91
Pasture				1.27	4.02	4.95	6.05	5.36	3.13	0.87	0.02		25.66
St Dev				0.49	0.37	0.35	0.33	0.24	0.48	0.68	0.10		1.77
Net Irr					2.36	3.97	5.44	4.62	1.97				18.37
Potato					0.73	2.84	6.62	5.72	2.63	0.17			18.70
St Dev					0.24	0.69	0.49	0.22	0.55	0.27			1.17
Net Irr						1.87	6.01	4.98	1.47				14.32
Safflower					0.84	6.65	8.90	7.75	3.53	0.63			28.29
St Dev					0.65	0.85	0.48	0.36	0.86	0.54			2.40
Net Irr						5.67	8.29	7.01	2.37				23.34
Sorghum					0.63	2.95	7.31	7.10	3.32				21.32
St Dev					0.28	0.62	0.57	0.31	0.64				1.35
Net Irr						1.98	6.71	6.36	2.16				17.21
Spring Grain				0.61	3.34	7.20	7.53	0.82					19.50
St Dev				0.27	0.81	0.68	0.92	0.62					0.56
Net Irr					1.69	6.23	6.92	0.08					14.91

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGAN 5 SW EXP FARM

Aridity Index: 32%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.67, Long: -111.89, Elev: 4490 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.34	1.28	3.82	7.29	5.10	0.15					17.99
St Dev			0.16	0.24	0.91	0.62	1.38	0.22					0.49
Net Irr					2.16	6.32	4.49						12.98
Garden					1.17	2.73	5.86	6.29	1.50				17.56
St Dev					0.30	0.40	0.60	0.33	0.67				1.41
Net Irr						1.76	5.25	5.55	0.34				12.90
Small Fruit					0.67	3.40	7.92	7.58	2.54	0.03			22.14
St Dev					0.28	0.70	0.66	0.43	1.24	0.13			2.33
Net Irr						2.43	7.31	6.84	1.37				17.95
Turfgrass				1.48	3.36	4.36	5.34	4.74	2.95	0.97	0.02		23.22
St Dev				0.45	0.32	0.31	0.29	0.21	0.34	0.71	0.10		1.58
Net Irr					1.70	3.39	4.73	4.00	1.79				15.61
Open Water Deep	0.22	0.25	0.71	1.55	2.24	2.49	3.98	4.20	2.20	1.86	0.66	0.37	20.74
St Dev	0.04	0.04	0.14	0.25	0.25	0.27	0.36	0.28	0.21	0.21	0.11	0.06	1.05
Net Evap					0.58	1.52	3.37	3.46	1.04	0.37			10.34
Open Water Shallow	0.47	0.90	2.24	3.30	4.61	5.34	6.12	5.39	3.74	2.37	1.00	0.49	35.97
St Dev	0.06	0.10	0.25	0.33	0.33	0.32	0.28	0.19	0.24	0.21	0.14	0.07	1.29
Net Evap			0.78	1.75	2.96	4.37	5.51	4.65	2.58	0.87			23.47
Wetlands Large					0.05	3.10	8.48	8.29	4.73	0.57	0.03		25.25
St Dev					0.13	0.92	0.72	0.36	0.93	0.79	0.17		2.52
Net ET						2.12	7.88	7.55	3.57				21.12
Wetlands Narrow					0.06	4.10	12.06	11.84	6.75	0.82	0.04		35.67
St Dev					0.15	1.30	1.06	0.52	1.33	1.13	0.25		3.59
Net ET						3.12	11.45	11.10	5.59				31.27
ETr	0.48	0.90	2.54	4.39	6.26	7.28	8.90	7.89	5.10	3.34	1.12	0.56	48.76
St Dev	0.07	0.12	0.33	0.55	0.54	0.51	0.48	0.35	0.40	0.39	0.20	0.11	2.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGAN RADIO KVNU

Aridity Index: 65%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.74, Long: -111.86, Elev: 4470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.86	26.06	37.44	46.13	55.09	63.81	71.80	70.05	60.15	48.52	35.16	24.55	46.72
St Dev	6.69	6.05	4.57	2.84	3.28	3.17	2.59	2.39	2.94	2.64	3.73	4.91	1.85
Precip (in)	1.46	1.45	1.76	1.96	1.96	1.22	0.78	0.87	1.51	1.81	1.40	1.49	17.67
St Dev	1.04	0.86	0.86	1.18	1.08	0.96	0.65	1.06	1.32	1.14	0.82	1.02	4.75
Aridity Adj. (F)	1.30	1.24	1.76	2.41	3.58	4.42	3.71	3.64	3.71	3.38	2.34	1.56	2.75
Est. Dewpoint (F)	18.48	21.82	25.47	27.60	33.31	38.52	42.76	41.42	35.90	29.12	23.70	17.39	29.62
Rs (langleys/day)	166	252	361	459	584	657	661	571	440	296	174	132	396
Wind (mpd)	59	63	90	113	103	95	96	100	93	82	71	62	86
Calc. Wind Limit (mpd)	96	96	96	97	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				1.16	5.38	6.04	7.98	7.31	3.45	0.49			31.81
St Dev				0.65	0.67	0.55	0.67	0.72	1.07	0.69			2.64
Net Irr					3.80	5.07	7.36	6.61	2.24				25.09
Alfalfa (Dairy)				1.16	5.28	5.94	7.11	6.37	3.58	0.45			29.89
St Dev				0.65	0.56	0.48	0.42	0.30	0.85	0.63			2.47
Net Irr					3.71	4.96	6.49	5.68	2.38				23.21
Apples / Cherries				0.52	4.31	7.90	9.93	8.85	5.31	1.36	0.01		38.19
St Dev				0.43	0.76	0.73	0.55	0.38	0.54	0.92	0.06		2.37
Net Irr					2.74	6.92	9.31	8.16	4.10				31.23
Barley				0.62	3.49	7.74	7.50	0.49					19.85
St Dev				0.30	0.95	0.79	1.50	0.61					0.96
Net Irr					1.92	6.77	6.88						15.57
Corn					0.54	2.24	7.44	8.15	3.92	0.32			22.60
St Dev					0.25	0.74	1.21	0.49	0.90	0.40			2.05
Net Irr						1.26	6.82	7.45	2.71				18.25
Melon					0.51	3.32	6.18	5.42	2.67	0.06			18.15
St Dev					0.27	0.73	0.36	0.80	1.01	0.14			1.96
Net Irr						2.34	5.56	4.73	1.46				14.08
Other Hay				1.21	5.86	7.80	5.43	2.98	1.41	0.11			24.80
St Dev				0.70	0.72	0.56	0.92	0.15	0.20	0.13			1.25
Net Irr					4.29	6.83	4.81	2.29	0.20				18.41
Other Orchard				0.49	4.08	7.38	9.17	8.16	4.81	1.28	0.01		35.38
St Dev				0.40	0.75	0.65	0.51	0.34	0.49	0.87	0.06		2.20
Net Irr					2.51	6.40	8.55	7.47	3.60				28.53
Pasture				1.29	4.07	5.30	6.49	5.80	3.69	0.99	0.01		27.65
St Dev				0.54	0.41	0.42	0.36	0.26	0.47	0.73	0.04		1.82
Net Irr					2.50	4.33	5.87	5.11	2.48				20.29
Potato					0.76	2.97	6.99	6.21	3.10	0.28			20.32
St Dev					0.29	0.91	0.57	0.46	0.78	0.38			1.61
Net Irr						2.00	6.37	5.51	1.90				15.78
Safflower					0.96	7.19	9.55	8.41	4.20	0.71			31.02
St Dev					0.74	0.99	0.53	0.36	0.88	0.57			2.35
Net Irr						6.21	8.93	7.71	2.99				25.84
Sorghum					0.68	3.26	7.90	7.69	3.75				23.27
St Dev					0.31	0.73	0.67	0.34	0.75				1.57
Net Irr						2.28	7.28	6.99	2.54				19.09
Spring Grain				0.61	3.32	7.63	8.30	1.18					21.04
St Dev				0.29	0.91	0.85	1.29	0.91					1.02
Net Irr					1.75	6.65	7.68	0.48					16.56

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGAN RADIO KVNU

Aridity Index: 65%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.74, Long: -111.86, Elev: 4470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Winter Wheat			0.38	1.30	3.74	7.71	5.99	0.28					19.40
St Dev			0.19	0.24	1.01	0.78	1.73	0.37					0.89
Net Irr					2.17	6.74	5.37						14.28
Garden					1.22	2.97	6.34	6.65	1.96	0.01			19.15
St Dev					0.33	0.48	0.72	0.97	0.72	0.03			1.54
Net Irr						1.99	5.72	5.95	0.75				14.42
Small Fruit					0.71	3.71	8.52	8.08	3.46	0.05			24.53
St Dev					0.31	0.83	0.77	1.20	1.30	0.15			2.65
Net Irr						2.73	7.90	7.38	2.26				20.27
Turfgrass				1.51	3.41	4.67	5.73	5.13	3.45	1.10	0.01		25.02
St Dev				0.50	0.35	0.37	0.32	0.23	0.34	0.76	0.05		1.63
Net Irr					1.84	3.70	5.11	4.43	2.25				17.32
Open Water Deep	0.38	0.37	1.03	1.65	2.37	3.17	4.82	5.03	3.14	2.22	1.09	0.58	25.86
St Dev	0.08	0.08	0.22	0.26	0.31	0.39	0.41	0.32	0.34	0.28	0.19	0.10	1.61
Net Evap				0.09	0.80	2.20	4.20	4.33	1.93	0.77			14.32
Open Water Shallow	0.51	0.91	2.26	3.38	4.72	5.46	6.32	5.65	3.90	2.33	1.00	0.54	36.99
St Dev	0.08	0.13	0.29	0.33	0.35	0.35	0.28	0.19	0.26	0.22	0.15	0.08	1.52
Net Evap			0.85	1.81	3.15	4.49	5.70	4.95	2.69	0.88			24.53
Wetlands Large					0.08	3.48	9.17	8.97	5.47	0.75			27.92
St Dev					0.17	1.08	0.82	0.40	1.03	0.92			3.34
Net ET						2.50	8.55	8.28	4.27				23.60
Wetlands Narrow					0.09	4.62	13.05	12.82	7.82	1.06			39.46
St Dev					0.20	1.53	1.21	0.57	1.48	1.32			4.77
Net ET						3.64	12.43	12.12	6.61				34.81
ETr	0.51	0.91	2.77	4.52	6.38	7.80	9.55	8.54	5.82	3.52	1.43	0.73	52.47
St Dev	0.10	0.17	0.44	0.55	0.56	0.61	0.53	0.38	0.50	0.44	0.27	0.13	2.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGAN UTAH ST UNIV

Aridity Index: 57%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.75, Long: -111.8, Elev: 4790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.34	28.34	38.42	46.69	55.72	64.97	73.66	72.24	61.89	50.20	36.51	26.24	48.27
St Dev	5.51	4.97	4.12	3.57	2.94	2.99	3.06	2.29	2.95	2.95	3.70	4.33	1.64
Precip (in)	1.62	1.65	2.10	2.20	2.19	1.32	0.84	0.93	1.54	2.03	1.51	1.62	19.56
St Dev	1.19	0.90	0.98	1.40	1.33	0.94	0.75	1.11	1.43	1.19	0.94	1.08	5.54
Aridity Adj. (F)	1.14	1.08	1.54	2.11	3.14	3.88	3.25	3.19	3.25	2.96	2.05	1.37	2.41
Est. Dewpoint (F)	22.66	25.93	28.51	30.65	36.42	42.70	48.05	46.99	41.27	34.66	27.87	21.26	33.91
Rs (langley/day)	149	242	349	451	570	650	649	569	432	287	159	116	385
Wind (mpd)	65	86	114	141	140	145	162	165	162	127	110	81	125
Calc. Wind Limit (mpd)	96	96	98	107	102	96	103	98	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				1.18	5.31	5.81	7.61	7.11	4.09	1.57	0.04		32.72
St Dev				0.57	0.60	0.52	0.65	0.60	0.71	0.84	0.14		2.34
Net Irr					3.55	4.76	6.94	6.36	2.85				24.46
Alfalfa (Dairy)				1.18	5.17	5.76	6.96	6.15	3.92	1.44	0.04		30.61
St Dev				0.57	0.47	0.46	0.44	0.32	0.44	0.86	0.11		2.21
Net Irr					3.42	4.71	6.28	5.40	2.69				22.49
Apples / Cherries				0.53	4.23	7.64	9.70	8.54	4.99	2.13	0.05		37.83
St Dev				0.39	0.66	0.66	0.58	0.36	0.38	0.52	0.12		2.23
Net Irr					2.48	6.59	9.03	7.80	3.76	0.51			30.16
Barley				0.64	3.63	7.56	6.26	0.19					18.28
St Dev				0.28	0.94	0.73	1.55	0.32					0.32
Net Irr					1.88	6.51	5.58						13.97
Corn					0.54	2.17	7.50	7.60	3.34	0.71	0.01		21.87
St Dev					0.21	0.61	1.24	0.38	1.12	0.76	0.06		1.14
Net Irr						1.11	6.83	6.85	2.10				16.90
Melon					0.50	3.23	6.04	5.36	3.22	0.27			18.63
St Dev					0.23	0.64	0.37	0.23	0.54	0.36			1.35
Net Irr						2.17	5.37	4.61	1.99				14.15
Other Hay				1.21	5.74	7.52	5.20	2.86	1.32	0.11			23.96
St Dev				0.59	0.61	0.50	0.78	0.14	0.16	0.11			1.17
Net Irr					3.99	6.46	4.53	2.12	0.08				17.18
Other Orchard				0.51	4.01	7.14	8.96	7.88	4.52	2.04	0.05		35.10
St Dev				0.36	0.65	0.58	0.54	0.33	0.35	0.51	0.12		2.09
Net Irr					2.26	6.08	8.28	7.13	3.28	0.41			27.45
Pasture				1.28	3.98	5.12	6.35	5.61	3.64	1.77	0.15		27.89
St Dev				0.45	0.36	0.37	0.38	0.24	0.31	0.52	0.24		1.85
Net Irr					2.23	4.06	5.67	4.86	2.41	0.14			19.37
Potato					0.76	3.16	7.01	5.75	2.32	0.36			19.37
St Dev					0.25	0.87	0.53	0.28	1.02	0.53			0.79
Net Irr						2.11	6.34	5.00	1.09				14.53
Safflower					0.94	7.00	9.33	8.21	4.50	1.16			31.14
St Dev					0.65	0.88	0.56	0.35	0.49	0.38			1.99
Net Irr						5.94	8.66	7.46	3.26				25.32
Sorghum					0.68	3.16	7.76	7.42	3.61	0.01			22.65
St Dev					0.27	0.65	0.64	0.32	0.66	0.05			1.24
Net Irr						2.11	7.09	6.67	2.38				18.25
Spring Grain				0.62	3.43	7.48	7.30	0.59					19.42
St Dev				0.26	0.90	0.79	1.26	0.61					0.33
Net Irr					1.68	6.42	6.62						14.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGAN UTAH ST UNIV

Aridity Index: 57%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.75, Long: -111.8, Elev: 4790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.38	1.30	3.96	7.50	4.61	0.12					17.87
St Dev			0.15	0.27	1.08	0.72	1.87	0.19					0.36
Net Irr					2.21	6.45	3.93						12.59
Garden					1.20	2.88	6.24	6.57	2.16	0.02			19.08
St Dev					0.29	0.42	0.65	0.28	0.53	0.05			0.98
Net Irr						1.83	5.57	5.82	0.93				14.14
Small Fruit					0.70	3.61	8.38	8.04	4.24	0.17			25.16
St Dev					0.27	0.72	0.72	0.33	0.73	0.32			1.71
Net Irr						2.56	7.71	7.30	3.01				20.57
Turfgrass				1.50	3.32	4.51	5.60	4.95	3.26	1.80	0.18		25.12
St Dev				0.41	0.31	0.33	0.33	0.22	0.24	0.46	0.27		1.63
Net Irr					1.57	3.46	4.92	4.20	2.03	0.17			16.35
Open Water Deep	0.39	0.45	1.03	1.69	2.41	3.11	5.10	5.17	3.15	2.48	1.38	0.71	27.07
St Dev	0.06	0.08	0.20	0.28	0.30	0.36	0.53	0.38	0.33	0.32	0.22	0.10	1.66
Net Evap					0.66	2.05	4.43	4.43	1.92	0.85	0.17		14.50
Open Water Shallow	0.47	0.90	2.22	3.37	4.70	5.49	6.39	5.76	3.91	2.33	0.96	0.49	36.98
St Dev	0.06	0.10	0.25	0.33	0.34	0.34	0.33	0.22	0.24	0.22	0.13	0.06	1.38
Net Evap			0.54	1.61	2.94	4.44	5.72	5.01	2.68	0.71			23.64
Wetlands Large					0.07	3.42	9.03	8.66	5.64	2.33	0.07		29.21
St Dev					0.15	0.95	0.79	0.38	0.52	1.26	0.20		3.03
Net ET						2.37	8.35	7.91	4.40	0.70			23.73
Wetlands Narrow					0.08	4.54	12.85	12.37	8.05	3.32	0.11		41.32
St Dev					0.18	1.35	1.15	0.54	0.75	1.80	0.29		4.33
Net ET						3.49	12.17	11.62	6.82	1.70			35.80
ETr	0.43	0.81	2.60	4.34	6.17	7.52	9.33	8.25	5.44	3.29	1.36	0.66	50.20
St Dev	0.07	0.13	0.36	0.50	0.52	0.55	0.56	0.36	0.39	0.37	0.23	0.10	2.20

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MAESER 9NW

Aridity Index: 17%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.56, Long: -109.66, Elev: 6440 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.40	26.46	36.50	44.54	53.95	62.95	70.43	68.26	58.95	47.20	33.07	22.39	45.51
St Dev	4.62	3.77	3.35	3.19	2.80	3.18	2.89	2.40	2.30	2.66	3.18	3.62	1.24
Precip (in)	1.23	1.20	1.36	1.17	1.38	1.14	0.86	0.95	1.36	1.66	1.21	1.09	14.62
St Dev	1.08	0.85	0.93	0.80	1.03	0.92	0.76	0.77	1.00	1.26	0.99	0.89	4.29
Aridity Adj. (F)	0.34	0.32	0.46	0.63	0.94	1.16	0.97	0.95	0.97	0.88	0.61	0.41	0.72
Est. Dewpoint (F)	13.54	16.19	19.75	21.90	29.92	34.54	40.26	40.96	35.56	29.93	18.64	13.34	26.21
Rs (langley/day)	193	282	399	503	593	669	648	573	467	329	213	161	419
Wind (mpd)	47	55	86	101	92	83	76	71	67	66	61	51	71
Calc. Wind Limit (mpd)	96	96	96	98	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				1.59	5.79	6.08	7.11	6.40	3.01	0.50			30.48
St Dev				0.54	0.69	0.40	0.51	0.53	0.96	0.59			2.22
Net Irr				0.65	4.69	5.17	6.43	5.64	1.92				24.50
Alfalfa (Dairy)				1.59	5.68	6.07	6.44	5.46	3.07	0.43			28.74
St Dev				0.54	0.60	0.48	0.32	0.26	0.75	0.52			1.97
Net Irr				0.65	4.58	5.16	5.75	4.70	1.99				22.82
Other Hay				1.70	6.39	7.79	4.43	2.49	1.14	0.04			23.99
St Dev				0.60	0.65	0.53	0.58	0.15	0.15	0.06			1.22
Net Irr				0.76	5.29	6.88	3.75	1.72	0.06				18.46
Pasture				1.65	4.36	5.39	5.88	4.99	3.15	0.82	0.01		26.26
St Dev				0.43	0.40	0.37	0.27	0.23	0.46	0.64	0.04		1.79
Net Irr				0.71	3.26	4.48	5.19	4.22	2.07				19.93
Spring Grain				0.77	3.50	7.81	7.36	0.95					20.39
St Dev				0.21	0.78	0.80	0.91	0.84					0.67
Net Irr					2.39	6.90	6.68	0.19					16.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MAESER 9NW

Aridity Index: 17%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.56, Long: -109.66, Elev: 6440 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.30	3.02	5.83	5.87	1.80				17.83
St Dev					0.20	0.30	0.41	0.28	0.42				0.92
Net Irr					0.20	2.11	5.14	5.11	0.72				13.28
Turfgrass				1.87	3.64	4.76	5.19	4.41	2.96	0.92	0.02		23.76
St Dev				0.38	0.34	0.33	0.24	0.21	0.33	0.65	0.06		1.56
Net Irr				0.93	2.54	3.84	4.50	3.64	1.88				17.34
Open Water Deep	0.39	0.48	1.19	1.88	2.53	3.26	4.04	3.64	2.29	1.70	0.98	0.46	22.83
St Dev	0.05	0.06	0.19	0.26	0.30	0.37	0.37	0.30	0.21	0.22	0.15	0.06	1.21
Net Evap			0.09	0.94	1.43	2.34	3.36	2.88	1.20	0.37	0.02		12.63
Open Water Shallow	0.70	1.17	2.56	3.71	4.91	5.68	6.15	5.48	3.98	2.44	1.17	0.63	38.58
St Dev	0.07	0.10	0.26	0.32	0.34	0.33	0.25	0.23	0.23	0.24	0.14	0.07	1.22
Net Evap		0.21	1.46	2.77	3.81	4.77	5.47	4.72	2.89	1.11	0.20		27.42
Wetlands Large					0.13	4.02	8.59	7.71	4.74	0.67			25.86
St Dev					0.17	0.91	0.61	0.36	0.98	0.79			2.59
Net ET						3.11	7.90	6.95	3.65				21.61
Wetlands Narrow					0.15	5.39	12.24	11.02	6.76	0.96			36.52
St Dev					0.20	1.30	0.89	0.52	1.41	1.13			3.69
Net ET						4.47	11.56	10.26	5.68				31.97
ETr	0.78	1.29	3.19	4.95	6.65	7.93	8.64	7.35	5.07	3.04	1.50	0.76	51.14
St Dev	0.09	0.13	0.38	0.51	0.56	0.54	0.40	0.34	0.33	0.34	0.22	0.12	1.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MANILA

Aridity Index: 70%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.99, Long: -109.73, Elev: 6450 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.75	27.32	35.21	43.21	52.87	61.96	69.36	67.37	58.13	47.20	34.03	24.77	45.43
St Dev	4.89	4.34	3.17	3.38	3.16	2.74	2.17	1.95	2.51	2.73	3.40	4.25	1.26
Precip (in)	0.65	0.41	0.72	0.84	1.20	0.86	0.71	0.70	0.70	0.82	0.64	0.59	8.85
St Dev	0.64	0.27	0.38	0.60	0.93	0.72	0.75	0.63	0.71	0.71	0.55	0.56	2.73
Aridity Adj. (F)	1.40	1.33	1.89	2.59	3.85	4.76	3.99	3.92	3.99	3.64	2.52	1.68	2.96
Est. Dewpoint (F)	15.16	16.64	17.01	18.13	25.44	29.24	36.15	36.80	28.96	25.48	17.10	13.82	23.33
Rs (langley/day)	196	279	377	473	554	576	574	503	444	316	208	168	389
Wind (mpd)	63	61	90	100	81	69	56	52	57	63	63	55	68
Calc. Wind Limit (mpd)	96	96	96	102	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				0.38	3.73	5.69	5.41	3.96	1.58				20.75
St Dev				0.20	0.70	0.43	0.43	0.61	1.28				1.89
Net Irr					2.77	5.00	4.84	3.40	1.02				17.03
Alfalfa (Dairy)				0.38	3.73	5.17	5.13	4.15	1.18				19.75
St Dev				0.20	0.70	0.27	0.23	0.48	0.99				1.44
Net Irr					2.77	4.48	4.56	3.59	0.62				16.03
Other Hay				0.39	4.36	6.49	4.78	2.15	0.86	0.03			19.06
St Dev				0.20	0.71	0.46	0.49	0.12	0.32	0.07			0.90
Net Irr					3.41	5.80	4.21	1.59	0.30				15.31
Pasture				0.30	2.87	4.25	4.59	3.83	1.73	0.08			17.65
St Dev				0.09	0.34	0.30	0.20	0.22	0.79	0.25			1.20
Net Irr					1.91	3.56	4.02	3.27	1.17				13.93
Spring Grain				0.20	1.54	4.44	6.90	4.53	0.53				18.15
St Dev				0.08	0.43	0.90	0.33	0.72	0.53				0.84
Net Irr					0.58	3.75	6.33	3.97					14.64

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MANILA

Aridity Index: 70%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.99, Long: -109.73, Elev: 6450 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.49	2.80	4.03	1.13				9.44
St Dev						0.11	0.13	0.33	0.98				1.11
Net Irr						0.80	2.23	3.46	0.57				7.06
Turfgrass				0.48	2.59	3.68	4.05	3.42	1.79	0.10			16.12
St Dev				0.13	0.28	0.26	0.18	0.17	0.71	0.29			1.08
Net Irr					1.63	2.99	3.48	2.86	1.23				12.20
Open Water Deep	0.39	0.38	0.88	1.42	1.65	2.02	2.22	2.02	1.55	1.28	0.82	0.42	15.06
St Dev	0.07	0.08	0.16	0.21	0.25	0.22	0.17	0.14	0.15	0.16	0.13	0.07	0.88
Net Evap		0.05	0.31	0.75	0.69	1.33	1.65	1.46	0.99	0.62	0.30		8.17
Open Water Shallow	0.61	1.02	2.14	3.15	4.13	4.55	5.05	4.45	3.43	2.10	1.01	0.56	32.21
St Dev	0.09	0.15	0.25	0.30	0.36	0.27	0.19	0.17	0.20	0.18	0.14	0.07	1.21
Net Evap	0.09	0.69	1.56	2.48	3.18	3.86	4.48	3.89	2.87	1.44	0.49	0.09	25.13
Wetlands Large						1.23	5.34	5.85	1.98	0.01			14.41
St Dev						0.58	0.80	0.56	1.48	0.07			2.20
Net ET						0.54	4.76	5.29	1.43				12.02
Wetlands Narrow						1.55	7.47	8.35	2.84	0.02			20.23
St Dev						0.76	1.20	0.80	2.12	0.10			3.14
Net ET						0.86	6.90	7.79	2.28				17.83
ETr	0.65	1.08	2.65	4.18	5.43	6.26	6.76	5.72	4.34	2.68	1.31	0.64	41.71
St Dev	0.14	0.20	0.39	0.48	0.57	0.44	0.30	0.25	0.29	0.27	0.23	0.10	1.94

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MANTI

Aridity Index: 50%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.26, Long: -111.63, Elev: 5740 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.06	30.76	38.97	46.08	54.52	63.75	70.77	68.79	60.24	49.24	36.70	27.19	47.76
St Dev	4.80	4.26	3.19	3.19	2.65	2.81	1.96	1.66	2.19	2.56	3.49	4.00	1.47
Precip (in)	1.02	1.04	1.39	1.31	1.45	0.82	0.73	0.88	1.21	1.50	1.15	0.98	13.50
St Dev	0.67	0.67	0.75	0.68	0.95	0.69	0.57	0.56	1.05	0.89	0.76	0.62	2.94
Aridity Adj. (F)	1.00	0.95	1.35	1.85	2.75	3.40	2.85	2.80	2.85	2.60	1.80	1.20	2.12
Est. Dewpoint (F)	22.99	23.64	23.27	24.32	31.35	36.89	42.49	41.47	34.66	29.51	22.97	20.76	29.53
Rs (langley/day)	215	311	421	525	579	687	645	570	479	337	215	170	429
Wind (mpd)	73	75	112	135	115	103	90	95	83	79	75	71	92
Calc. Wind Limit (mpd)	96	96	111	129	114	98	96	97	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				2.10	5.57	6.09	7.19	6.46	2.80	0.29			30.51
St Dev				0.64	0.62	0.36	0.56	0.72	0.98	0.60			2.06
Net Irr				1.05	4.41	5.43	6.61	5.76	1.83				25.09
Alfalfa (Dairy)				2.10	5.50	5.95	6.33	5.70	2.97	0.26			28.81
St Dev				0.64	0.55	0.43	0.29	0.26	0.94	0.51			2.03
Net Irr				1.05	4.34	5.29	5.74	5.00	2.00				23.43
Barley				0.94	3.34	7.57	7.57	1.19					20.61
St Dev				0.25	0.78	0.84	0.83	1.06					0.55
Net Irr					2.19	6.91	6.98	0.49					16.57
Corn					0.49	1.97	6.06	7.56	3.84	0.29			20.20
St Dev					0.07	0.32	0.93	0.26	1.08	0.49			1.98
Net Irr						1.31	5.48	6.85	2.86				16.50
Other Hay				2.36	6.37	7.30	3.90	2.49	1.02	0.01			23.44
St Dev				0.73	0.53	0.53	0.41	0.12	0.19	0.03			1.06
Net Irr				1.31	5.21	6.64	3.32	1.78	0.05				18.30
Pasture				1.80	4.23	5.30	5.77	5.19	2.98	0.44			25.72
St Dev				0.31	0.33	0.35	0.26	0.18	0.68	0.53			1.46
Net Irr				0.76	3.08	4.64	5.19	4.49	2.01				20.15
Safflower					0.66	7.20	8.49	7.40	3.12	0.32			27.18
St Dev					0.11	0.50	0.39	0.34	1.06	0.41			1.82
Net Irr						6.54	7.90	6.69	2.15				23.28
Sorghum					0.62	3.04	7.00	6.91	3.42				20.99
St Dev					0.09	0.22	0.34	0.24	0.79				1.08
Net Irr						2.38	6.41	6.20	2.45				17.45
Spring Grain				0.92	3.17	7.41	8.09	2.16	0.02				21.77
St Dev				0.24	0.73	0.88	0.59	1.29	0.08				0.57
Net Irr					2.01	6.75	7.50	1.46					17.71
Winter Wheat			0.54	1.39	3.08	7.34	6.92	0.93					20.20
St Dev			0.10	0.21	0.77	0.98	1.13	0.84					0.56
Net Irr				0.35	1.92	6.68	6.34	0.22					15.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MANTI

Aridity Index: 50%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.26, Long: -111.63, Elev: 5740 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.63	2.37	4.64	6.14	2.13	0.02			15.94
St Dev					0.08	0.15	0.22	0.42	1.02	0.08			1.38
Net Irr						1.71	4.05	5.44	1.16				12.36
Turfgrass				2.01	3.54	4.67	5.09	4.61	2.93	0.52			23.38
St Dev				0.30	0.28	0.31	0.23	0.16	0.51	0.59			1.27
Net Irr				0.97	2.38	4.01	4.51	3.90	1.96				17.73
Open Water Deep	0.35	0.48	1.30	2.07	2.47	3.01	3.76	4.09	2.54	1.90	1.12	0.51	23.61
St Dev	0.08	0.11	0.22	0.30	0.27	0.31	0.28	0.21	0.19	0.23	0.19	0.11	1.14
Net Evap			0.19	1.03	1.32	2.35	3.18	3.38	1.57	0.69	0.20		13.90
Open Water Shallow	0.63	1.22	2.63	3.78	4.63	5.56	5.93	5.38	4.00	2.47	1.18	0.60	38.02
St Dev	0.10	0.18	0.26	0.33	0.28	0.30	0.22	0.15	0.18	0.21	0.16	0.10	1.07
Net Evap		0.39	1.52	2.73	3.47	4.90	5.35	4.68	3.03	1.27	0.26		27.59
Wetlands Large					0.04	3.77	8.37	8.06	4.53	0.40			25.17
St Dev					0.03	0.54	0.48	0.28	1.33	0.70			2.29
Net ET						3.11	7.79	7.36	3.55				21.81
Wetlands Narrow					0.04	5.01	11.94	11.52	6.47	0.57			35.54
St Dev					0.04	0.74	0.69	0.41	1.90	1.01			3.27
Net ET						4.35	11.35	10.81	5.49				32.01
ETr	0.49	1.20	3.26	5.09	6.38	7.79	8.49	7.68	5.42	3.35	1.59	0.66	51.40
St Dev	0.14	0.23	0.43	0.56	0.49	0.52	0.39	0.27	0.30	0.37	0.29	0.18	1.79

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MARYSVALE

Aridity Index: 43%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.45, Long: -112.23, Elev: 5910 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.41	33.42	40.01	46.66	55.08	63.83	70.07	68.17	60.01	49.20	37.60	28.96	48.45
St Dev	4.91	3.05	3.07	2.99	2.58	2.41	1.65	1.42	1.79	2.29	2.83	3.43	1.19
Precip (in)	0.59	0.58	0.73	0.61	0.68	0.45	0.80	0.94	0.77	0.88	0.58	0.52	8.14
St Dev	0.51	0.42	0.50	0.41	0.53	0.49	0.52	0.64	0.56	0.74	0.57	0.39	2.06
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	19.62	21.05	19.88	21.20	27.08	30.79	38.30	37.82	31.45	25.41	20.95	17.78	25.94
Rs (langley/day)	240	332	438	567	580	680	575	549	457	355	238	195	434
Wind (mpd)	108	112	158	180	152	135	108	111	106	119	114	115	126
Calc. Wind Limit (mpd)	96	96	132	132	132	130	98	100	96	99	96	96	109
.....Inches.....													
Alfalfa (Beef)					2.79	7.92	6.22	4.94	1.21				23.07
St Dev					0.37	0.71	0.45	0.90	1.23				2.16
Net Irr					2.25	7.56	5.58	4.18	0.59				20.17
Alfalfa (Dairy)					2.79	7.34	6.21	5.11	0.95				22.39
St Dev					0.37	0.52	0.37	1.18	0.79				1.71
Net Irr					2.25	6.99	5.57	4.35	0.33				19.49
Barley					1.13	5.53	8.35	5.78	0.41				21.20
St Dev					0.21	0.97	0.47	0.93	0.46				0.93
Net Irr					0.59	5.17	7.72	5.02					18.50
Other Hay					2.95	8.62	7.84	3.38	1.01	0.01			23.80
St Dev					0.33	0.67	0.43	0.23	0.53	0.04			1.23
Net Irr					2.41	8.26	7.20	2.62	0.40				20.89
Pasture					1.79	5.58	5.57	4.96	1.71	0.02			19.63
St Dev					0.20	0.44	0.30	0.42	1.01	0.07			1.45
Net Irr					1.25	5.22	4.93	4.21	1.10				16.71
Spring Grain					1.10	5.23	8.30	6.40	0.77				21.81
St Dev					0.19	0.90	0.49	0.88	0.60				1.36
Net Irr					0.56	4.88	7.67	5.64	0.15				18.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MARYSVALE

Aridity Index: 43%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.45, Long: -112.23, Elev: 5910 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.45	2.88	4.81	1.00				10.14
St Dev						0.12	0.17	0.25	0.90				0.99
Net Irr						1.09	2.24	4.05	0.38				7.77
Turfgrass					2.16	4.61	4.91	4.45	1.78	0.03			17.93
St Dev					0.24	0.36	0.27	0.32	0.97	0.10			1.30
Net Irr					1.62	4.25	4.27	3.69	1.16				15.00
Open Water Deep	0.48	0.61	1.37	1.81	2.59	3.72	3.46	3.57	2.43	2.04	1.16	0.63	23.87
St Dev	0.15	0.16	0.27	0.27	0.29	0.37	0.24	0.18	0.20	0.27	0.22	0.14	1.17
Net Evap	0.01	0.15	0.78	1.32	2.05	3.36	2.82	2.81	1.81	1.34	0.69	0.21	17.36
Open Water Shallow	0.71	1.29	2.60	3.75	4.50	5.48	5.21	4.96	3.67	2.45	1.16	0.63	36.41
St Dev	0.15	0.19	0.30	0.32	0.28	0.30	0.19	0.16	0.20	0.24	0.18	0.12	1.06
Net Evap	0.23	0.82	2.02	3.26	3.95	5.13	4.57	4.21	3.06	1.75	0.69	0.22	29.90
Wetlands Large						1.52	6.44	7.39	2.04				17.39
St Dev						0.14	0.38	1.10	1.56				2.42
Net ET						1.17	5.80	6.64	1.42				15.03
Wetlands Narrow						1.90	9.01	10.56	2.91				24.38
St Dev						0.17	0.54	1.57	2.23				3.45
Net ET						1.54	8.37	9.80	2.30				22.01
ETr	0.73	1.43	3.45	5.08	6.68	8.63	8.19	7.50	5.54	3.77	1.75	0.87	53.64
St Dev	0.31	0.38	0.59	0.60	0.57	0.68	0.45	0.38	0.44	0.55	0.43	0.29	2.29

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MEXICAN HAT

Aridity Index: 91%, Temp. Adj. (F): -11, Period: 1971-2008, Lat: 37.15, Long: -109.87, Elev: 4115 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	32.82	38.99	47.10	55.14	65.25	75.62	82.26	79.57	70.23	57.08	43.42	33.42	56.74
St Dev	4.86	3.55	3.22	2.79	2.63	2.60	2.29	2.20	2.22	2.32	2.03	4.18	1.34
Precip (in)	0.62	0.55	0.54	0.41	0.45	0.21	0.61	0.68	0.80	0.94	0.54	0.50	6.87
St Dev	0.59	0.53	0.50	0.37	0.46	0.30	0.53	0.58	0.73	1.06	0.43	0.48	1.77
Aridity Adj. (F)	1.82	1.73	2.46	3.37	5.01	6.19	5.19	5.10	5.19	4.73	3.28	2.18	3.85
Est. Dewpoint (F)	18.81	20.80	22.69	27.83	35.88	43.74	52.97	51.79	42.06	30.83	23.50	18.55	32.46
Rs (langley/day)	258	336	454	572	638	697	666	568	497	373	258	220	461
Wind (mpd)	95	109	145	164	150	140	121	117	116	118	104	104	124
Calc. Wind Limit (mpd)	96	108	120	120	120	120	107	103	107	113	103	96	109
.....Inches.....													
Alfalfa (Beef)				1.35	5.43	6.21	7.16	5.69	2.61	0.20			28.64
St Dev				0.21	0.65	0.41	0.70	0.64	0.82	0.37			1.44
Net Irr				1.01	5.07	6.04	6.67	5.15	1.97				25.91
Alfalfa (Dairy)				1.35	5.43	6.05	6.14	5.12	2.96	0.19			27.24
St Dev				0.21	0.65	0.42	0.40	0.33	0.79	0.36			1.40
Net Irr				1.01	5.07	5.88	5.65	4.58	2.32				24.52
Apples / Cherries					2.25	6.96	8.57	7.14	4.81	0.70			30.42
St Dev					0.26	0.45	0.57	0.44	1.10	0.89			1.81
Net Irr					1.88	6.78	8.08	6.60	4.17				27.52
Other Hay				1.44	6.16	7.99	4.44	2.36	1.15	0.04			23.58
St Dev				0.22	0.60	0.54	0.35	0.15	0.24	0.04			1.17
Net Irr				1.11	5.79	7.82	3.95	1.82	0.51				21.01
Other Orchard					2.09	6.66	7.91	6.59	4.42	0.63			28.29
St Dev					0.24	0.43	0.53	0.40	1.01	0.80			1.65
Net Irr					1.73	6.49	7.42	6.05	3.78				25.46
Pasture				0.89	3.96	5.43	5.60	4.64	2.88	0.40			23.80
St Dev				0.11	0.38	0.36	0.38	0.27	0.79	0.55			1.42
Net Irr				0.56	3.59	5.25	5.11	4.10	2.24				20.86
Sorghum					0.53	2.93	6.64	6.18	3.46				19.74
St Dev					0.08	0.19	0.46	0.38	0.88				1.06
Net Irr					0.16	2.76	6.15	5.64	2.82				17.54
Spring Grain				0.54	2.75	7.42	7.94	1.94	0.01				20.60
St Dev				0.07	0.54	0.79	0.75	1.07	0.04				1.13
Net Irr				0.21	2.39	7.25	7.45	1.40					18.70
Winter Wheat			0.36	1.29	2.87	7.44	6.71	0.75					19.42
St Dev			0.08	0.17	0.70	0.93	1.31	0.69					1.02
Net Irr				0.96	2.50	7.27	6.22	0.21					17.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MEXICAN HAT

Aridity Index: 91%, Temp. Adj. (F): -11, Period: 1971-2008, Lat: 37.15, Long: -109.87, Elev: 4115 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.53	2.35	4.32	5.34	2.14	0.02			14.70
St Dev					0.08	0.15	0.30	0.65	1.01	0.07			1.34
Net Irr					0.16	2.18	3.84	4.80	1.50				12.48
Turfgrass				1.21	3.30	4.78	4.94	4.12	2.83	0.47			21.66
St Dev				0.14	0.32	0.32	0.33	0.25	0.66	0.61			1.27
Net Irr				0.88	2.93	4.61	4.46	3.58	2.19				18.65
Open Water Deep	0.55	0.83	1.32	1.55	2.16	2.96	3.09	2.99	2.32	2.16	1.14	0.59	21.65
St Dev	0.18	0.19	0.27	0.21	0.29	0.30	0.29	0.23	0.24	0.29	0.19	0.16	1.03
Net Evap	0.05	0.39	0.89	1.22	1.80	2.79	2.61	2.44	1.68	1.40	0.71	0.19	16.16
Open Water Shallow	0.79	1.38	2.70	3.76	4.80	5.56	5.91	5.07	3.94	2.53	1.18	0.67	38.30
St Dev	0.20	0.21	0.33	0.28	0.33	0.27	0.27	0.21	0.23	0.25	0.17	0.16	1.05
Net Evap	0.29	0.94	2.27	3.43	4.44	5.39	5.42	4.53	3.30	1.78	0.75	0.27	32.80
Wetlands Large					0.10	4.19	8.26	7.21	4.42	0.32			24.49
St Dev					0.05	0.35	0.56	0.44	1.32	0.51			1.74
Net ET						4.01	7.77	6.67	3.78				22.23
Wetlands Narrow					0.11	5.61	11.78	10.30	6.31	0.45			34.56
St Dev					0.05	0.49	0.81	0.63	1.88	0.73			2.48
Net ET						5.44	11.29	9.76	5.67				32.16
ETr	0.81	1.65	3.53	4.90	6.48	7.98	8.24	6.87	5.37	3.68	1.63	0.76	51.90
St Dev	0.38	0.41	0.63	0.50	0.61	0.53	0.55	0.42	0.48	0.58	0.39	0.33	2.20

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MILFORD

Aridity Index: 69%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.39, Long: -113.02, Elev: 5010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.79	33.45	41.16	47.92	57.03	66.60	74.22	72.36	62.64	50.70	38.07	28.64	50.05
St Dev	6.29	4.31	3.86	3.52	3.27	2.69	1.95	1.80	2.21	3.07	3.87	4.77	1.90
Precip (in)	0.77	0.81	1.12	1.04	0.88	0.47	0.75	0.95	0.85	1.23	0.74	0.75	10.35
St Dev	0.70	0.58	0.66	0.57	0.64	0.46	0.56	0.75	0.83	1.01	0.48	0.59	2.49
Aridity Adj. (F)	1.38	1.31	1.86	2.55	3.80	4.69	3.93	3.86	3.93	3.59	2.48	1.66	2.92
Est. Dewpoint (F)	20.21	21.27	20.61	21.98	28.02	32.57	42.50	42.90	33.37	26.50	19.57	17.35	27.24
Rs (langley/day)	206	293	391	521	610	722	589	554	453	311	202	155	417
Wind (mpd)	138	138	192	198	177	162	139	158	143	152	149	141	157
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	102	97	103	96	96	109
.....Inches.....													
Alfalfa (Beef)				0.90	6.29	7.73	7.92	6.88	2.64	0.06			32.43
St Dev				0.20	0.80	0.43	0.67	0.72	1.20	0.17			1.50
Net Irr				0.07	5.59	7.36	7.33	6.12	1.95				28.42
Alfalfa (Dairy)				0.90	6.29	7.49	6.82	6.19	2.77	0.05			30.51
St Dev				0.20	0.80	0.46	0.28	0.35	1.26	0.13			1.77
Net Irr				0.07	5.59	7.12	6.22	5.43	2.08				26.52
Barley				0.40	3.32	9.32	8.18	1.05					22.27
St Dev				0.07	0.73	0.96	0.93	0.89					0.68
Net Irr					2.62	8.95	7.58	0.29					19.44
Corn					0.18	2.42	6.80	8.21	3.41	0.07			21.08
St Dev					0.04	0.31	0.63	0.28	1.39	0.17			1.69
Net Irr						2.04	6.20	7.45	2.73				18.42
Other Hay				0.91	6.87	10.18	5.80	3.06	1.35	0.07			28.23
St Dev				0.20	0.63	0.63	0.31	0.11	0.36	0.11			1.06
Net Irr				0.08	6.16	9.81	5.20	2.30	0.67				24.22
Pasture				0.58	4.35	6.71	6.21	5.68	3.00	0.28			26.82
St Dev				0.10	0.40	0.41	0.25	0.24	1.02	0.57			1.67
Net Irr					3.65	6.34	5.61	4.92	2.32				22.84
Spring Grain				0.39	3.16	9.09	8.70	2.01					23.36
St Dev				0.07	0.68	1.00	0.72	1.16					0.75
Net Irr					2.46	8.72	8.10	1.25					20.53

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MILFORD

Aridity Index: 69%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.39, Long: -113.02, Elev: 5010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.23	2.68	4.27	6.33	2.13				15.65
St Dev					0.05	0.16	0.18	0.53	1.36				1.75
Net Irr						2.31	3.68	5.57	1.45				13.01
Turfgrass				0.89	3.81	5.85	5.48	5.05	3.02	0.33			24.42
St Dev				0.16	0.34	0.36	0.22	0.18	0.88	0.64			1.47
Net Irr				0.06	3.10	5.47	4.88	4.29	2.33				20.15
Open Water Deep	0.74	0.96	2.02	2.51	3.54	4.99	4.61	4.88	3.34	2.79	1.70	0.97	33.06
St Dev	0.22	0.21	0.39	0.37	0.44	0.45	0.29	0.22	0.26	0.38	0.34	0.22	1.88
Net Evap	0.13	0.31	1.13	1.68	2.84	4.61	4.01	4.12	2.66	1.81	1.11	0.37	24.78
Open Water Shallow	0.77	1.39	2.78	3.92	5.12	6.21	5.78	5.49	4.05	2.56	1.32	0.74	40.12
St Dev	0.18	0.22	0.36	0.35	0.35	0.27	0.18	0.14	0.20	0.25	0.21	0.15	1.34
Net Evap	0.16	0.74	1.88	3.09	4.41	5.84	5.18	4.73	3.36	1.57	0.73	0.14	31.84
Wetlands Large						3.65	8.56	8.84	4.34	0.11			25.50
St Dev						0.28	0.37	0.31	1.83	0.28			2.16
Net ET						3.28	7.96	8.08	3.66				22.98
Wetlands Narrow						4.76	12.15	12.63	6.20	0.15			35.90
St Dev						0.38	0.52	0.45	2.61	0.40			3.09
Net ET						4.39	11.55	11.87	5.52				33.33
ETr	0.99	1.82	4.23	5.83	7.84	9.86	9.13	8.45	6.31	4.37	2.35	1.29	62.47
St Dev	0.37	0.44	0.74	0.67	0.69	0.61	0.37	0.30	0.43	0.60	0.53	0.38	2.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MOAB

Aridity Index: 94%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.57, Long: -109.55, Elev: 4073 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.59	39.22	49.44	57.76	66.76	76.21	82.41	80.37	70.85	57.93	43.70	33.57	57.49
St Dev	6.13	4.59	3.01	3.24	2.59	2.43	1.78	1.95	2.35	2.57	2.23	3.04	1.30
Precip (in)	0.69	0.57	0.86	0.94	0.75	0.40	0.87	0.85	0.80	1.21	0.81	0.70	9.45
St Dev	0.51	0.40	0.70	0.71	0.69	0.48	1.02	0.58	0.68	1.13	0.55	0.46	2.37
Aridity Adj. (F)	1.88	1.79	2.54	3.48	5.17	6.39	5.36	5.26	5.36	4.89	3.38	2.26	3.98
Est. Dewpoint (F)	19.57	23.76	29.21	30.88	36.99	43.47	51.25	50.67	40.97	32.57	23.87	19.54	33.56
Rs (langleys/day)	255	345	448	562	608	691	609	575	477	364	256	220	451
Wind (mpd)	124	125	167	199	173	144	111	112	112	125	125	126	137
Calc. Wind Limit (mpd)	96	96	120	120	120	120	97	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)			0.15	3.70	6.47	7.59	6.73	6.33	4.23	0.27			35.47
St Dev			0.16	0.85	0.54	0.91	0.40	0.62	1.11	0.47			2.20
Net Irr				2.95	5.87	7.28	6.04	5.65	3.59				31.36
Alfalfa (Dairy)			0.15	3.70	5.87	6.83	6.72	5.99	3.71	0.23			33.20
St Dev			0.16	0.85	0.45	0.41	0.40	0.35	0.88	0.40			1.92
Net Irr				2.95	5.27	6.52	6.02	5.31	3.06				29.13
Corn					1.19	4.22	8.42	6.82	2.25	0.01			22.91
St Dev					0.17	0.85	0.61	0.53	0.89	0.04			1.02
Net Irr					0.59	3.90	7.72	6.14	1.61				19.96
Melon					1.31	5.09	5.77	5.16	2.69				20.03
St Dev					0.20	0.40	0.30	0.28	0.81				1.14
Net Irr					0.70	4.78	5.07	4.49	2.05				17.09
Other Hay			0.15	4.10	7.62	7.00	3.50	2.31	0.74				25.42
St Dev			0.16	0.91	0.68	0.82	0.30	0.17	0.26				1.24
Net Irr				3.34	7.02	6.69	2.81	1.63	0.10				21.58
Pasture			0.21	2.87	4.99	6.14	6.03	5.37	3.50	0.73			29.84
St Dev			0.09	0.44	0.43	0.39	0.32	0.29	0.66	0.77			1.77
Net Irr				2.11	4.39	5.82	5.33	4.69	2.86				25.21
Spring Grain			0.12	1.68	5.64	9.22	5.18	0.15					21.98
St Dev			0.07	0.49	1.05	0.62	1.48	0.31					0.96
Net Irr				0.92	5.03	8.91	4.48						19.34
Winter Wheat			0.91	2.04	5.86	8.88	2.77	0.02					20.49
St Dev			0.20	0.53	1.13	0.78	1.50	0.08					0.91
Net Irr			0.23	1.29	5.26	8.56	2.08						17.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MOAB

Aridity Index: 94%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.57, Long: -109.55, Elev: 4073 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.51	3.52	6.08	6.31	1.92				19.35
St Dev					0.15	0.21	0.34	0.35	0.43				0.82
Net Irr					0.91	3.21	5.38	5.63	1.28				16.41
Small Fruit					1.26	5.24	8.47	7.57	3.50				26.04
St Dev					0.15	0.35	0.47	0.41	1.04				1.48
Net Irr					0.65	4.93	7.78	6.89	2.85				23.10
Turfgrass			0.34	2.65	4.30	5.41	5.32	4.77	3.41	0.84			27.05
St Dev			0.14	0.34	0.38	0.34	0.28	0.26	0.49	0.82			1.54
Net Irr				1.90	3.69	5.10	4.63	4.09	2.77				22.17
Open Water Deep	0.69	0.88	1.50	2.18	3.00	3.99	4.02	4.04	2.96	2.31	1.43	0.82	27.83
St Dev	0.21	0.19	0.29	0.31	0.34	0.37	0.27	0.28	0.29	0.33	0.21	0.16	1.45
Net Evap	0.14	0.43	0.82	1.42	2.40	3.68	3.33	3.36	2.31	1.34	0.78	0.27	20.27
Open Water Shallow	0.85	1.51	2.93	4.17	5.09	5.93	5.86	5.54	4.14	2.68	1.35	0.80	40.85
St Dev	0.20	0.21	0.31	0.32	0.31	0.27	0.21	0.21	0.24	0.27	0.17	0.14	1.32
Net Evap	0.30	1.05	2.24	3.42	4.49	5.62	5.17	4.86	3.50	1.71	0.70	0.24	33.29
Wetlands Large					1.07	6.79	9.28	8.34	5.36	0.55			31.39
St Dev					0.36	0.83	0.53	0.46	1.10	0.91			2.17
Net ET					0.46	6.47	8.58	7.66	4.71				27.90
Wetlands Narrow					1.31	9.47	13.25	11.92	7.65	0.79			44.40
St Dev					0.46	1.22	0.76	0.65	1.57	1.29			3.10
Net ET					0.71	9.16	12.56	11.24	7.01				40.67
ETr	0.91	1.75	3.78	5.67	7.37	9.02	8.87	7.95	6.03	3.95	1.96	1.00	58.26
St Dev	0.36	0.36	0.60	0.58	0.61	0.57	0.47	0.44	0.49	0.61	0.39	0.30	2.82

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MODENA

Aridity Index: 78%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 37.8, Long: -113.93, Elev: 5460 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.44	34.35	40.85	47.10	56.12	65.71	72.46	70.36	62.74	50.98	38.23	29.70	49.84
St Dev	4.52	3.32	3.08	3.38	2.99	2.73	2.24	1.74	3.27	2.80	3.30	3.88	1.37
Precip (in)	0.83	0.95	1.11	0.80	0.71	0.37	1.09	1.12	0.89	1.16	0.74	0.61	10.38
St Dev	0.91	0.78	1.03	0.78	0.62	0.44	1.17	0.82	1.18	0.97	0.75	0.53	3.02
Aridity Adj. (F)	1.56	1.48	2.11	2.89	4.29	5.30	4.45	4.37	4.45	4.06	2.81	1.87	3.30
Est. Dewpoint (F)	18.27	20.65	20.43	20.81	25.58	28.48	38.81	39.52	32.73	25.73	19.78	17.12	25.66
Rs (langley/day)	246	315	424	558	624	708	611	558	512	375	270	221	452
Wind (mpd)	109	105	142	164	137	139	119	121	115	114	107	102	123
Calc. Wind Limit (mpd)	103	96	132	132	132	132	98	117	111	102	96	96	112
.....Inches.....													
Alfalfa (Beef)				1.45	6.94	7.97	8.18	7.84	3.25	0.27			35.91
St Dev				0.23	0.87	0.50	0.68	0.87	1.35	0.55			2.64
Net Irr				0.82	6.37	7.67	7.31	6.94	2.54				31.65
Alfalfa (Dairy)				1.45	6.91	7.83	7.15	6.83	3.50	0.23			33.90
St Dev				0.23	0.83	0.55	0.42	0.41	1.29	0.49			2.49
Net Irr				0.82	6.34	7.53	6.28	5.93	2.79				29.69
Barley				0.60	3.85	9.95	8.41	1.05					23.86
St Dev				0.10	0.81	0.99	1.00	0.97					0.74
Net Irr					3.28	9.65	7.53	0.16					20.63
Corn					0.19	2.60	7.30	8.98	4.16	0.16			23.39
St Dev					0.04	0.36	0.82	0.39	1.49	0.32			2.16
Net Irr						2.30	6.43	8.08	3.45				20.26
Other Hay				1.52	7.69	10.44	5.43	3.23	1.53	0.07			29.90
St Dev				0.23	0.74	0.70	0.33	0.16	0.33	0.08			1.49
Net Irr				0.88	7.12	10.14	4.55	2.33	0.82				25.85
Pasture				0.93	4.91	7.00	6.53	6.23	3.66	0.37			29.63
St Dev				0.14	0.48	0.46	0.38	0.32	1.08	0.53			2.05
Net Irr				0.29	4.34	6.70	5.66	5.34	2.95				25.27
Potato					0.19	2.79	6.45	7.04	3.51	0.17			20.16
St Dev					0.04	0.45	0.67	0.32	1.31	0.34			1.96
Net Irr						2.50	5.57	6.15	2.80				17.02
Spring Grain				0.59	3.65	9.73	9.05	2.11					25.13
St Dev				0.09	0.75	1.04	0.73	1.27					0.76
Net Irr					3.08	9.43	8.17	1.22					21.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MODENA

Aridity Index: 78%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 37.8, Long: -113.93, Elev: 5460 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.24	2.80	4.49	6.93	2.98	0.03			17.48
St Dev					0.06	0.18	0.26	0.56	1.62	0.15			2.12
Net Irr						2.50	3.62	6.04	2.27				14.43
Turfgrass				1.31	4.14	6.15	5.77	5.53	3.64	0.46			27.00
St Dev				0.19	0.39	0.40	0.33	0.28	0.89	0.63			1.81
Net Irr				0.67	3.57	5.85	4.89	4.64	2.93				22.55
Open Water Deep	1.22	1.20	2.16	2.65	3.80	5.43	4.95	5.75	4.10	3.02	1.82	1.20	37.30
St Dev	0.26	0.21	0.39	0.39	0.47	0.51	0.40	0.34	0.35	0.37	0.30	0.24	2.14
Net Evap	0.55	0.44	1.27	2.01	3.23	5.13	4.07	4.86	3.39	2.10	1.23	0.71	29.00
Open Water Shallow	1.15	1.63	3.03	4.19	5.29	6.23	5.97	5.64	4.60	3.00	1.62	1.05	43.41
St Dev	0.19	0.22	0.38	0.37	0.36	0.30	0.26	0.20	0.23	0.27	0.21	0.18	1.47
Net Evap	0.49	0.87	2.15	3.55	4.72	5.93	5.09	4.75	3.89	2.07	1.03	0.57	35.11
Wetlands Large						3.82	9.02	9.68	5.43	0.34			28.29
St Dev						0.24	0.52	0.49	2.08	0.65			2.85
Net ET						3.52	8.14	8.78	4.72				25.17
Wetlands Narrow						4.99	12.80	13.83	7.76	0.49			39.86
St Dev						0.32	0.74	0.70	2.97	0.93			4.06
Net ET						4.69	11.93	12.93	7.05				36.59
ETr	1.66	2.22	4.54	6.22	8.27	10.29	9.61	9.22	7.20	4.84	2.60	1.64	68.31
St Dev	0.41	0.43	0.79	0.71	0.77	0.68	0.55	0.47	0.53	0.63	0.47	0.40	3.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MONTICELLO 2E

Aridity Index: 51%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.87, Long: -109.31, Elev: 6818 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.37	28.92	36.85	44.52	53.14	62.75	68.88	66.69	58.65	47.33	34.68	25.83	46.05
St Dev	4.48	3.85	3.17	2.89	2.49	2.49	1.88	1.72	2.07	2.40	2.95	3.40	1.25
Precip (in)	1.78	1.37	1.19	0.93	0.95	0.59	1.33	1.87	1.64	1.81	1.42	1.49	16.38
St Dev	1.80	1.10	0.97	0.80	0.76	0.57	0.91	0.96	1.09	1.54	1.06	1.44	3.89
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	13.05	14.25	16.94	19.56	25.88	29.49	40.32	42.03	34.56	25.94	18.96	14.05	24.59
Rs (langley/day)	231	319	460	573	606	706	628	581	477	357	250	206	450
Wind (mpd)	155	154	191	219	193	166	131	137	140	157	154	157	163
Calc. Wind Limit (mpd)	114	132	132	132	132	132	132	132	132	132	132	124	130
.....Inches.....													
Alfalfa (Beef)					2.62	7.38	6.30	5.19	1.57				23.07
St Dev					0.34	0.57	0.32	0.58	1.27				1.69
Net Irr					1.86	6.91	5.24	3.69	0.26				17.96
Alfalfa (Dairy)					2.62	7.14	6.26	4.88	1.20				22.10
St Dev					0.34	0.43	0.36	0.82	0.84				1.53
Net Irr					1.86	6.66	5.20	3.38					17.11
Other Hay					2.85	8.18	7.81	3.10	1.23	0.03			23.20
St Dev					0.31	0.47	0.45	0.18	0.40	0.08			1.05
Net Irr					2.09	7.70	6.75	1.60					18.15
Pasture					1.73	5.30	5.61	4.72	2.18	0.05			19.60
St Dev					0.19	0.31	0.31	0.28	0.84	0.15			1.24
Net Irr					0.98	4.83	4.55	3.22	0.86				14.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MONTICELLO 2E

Aridity Index: 51%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.87, Long: -109.31, Elev: 6818 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.57	3.08	4.54	0.88				10.07
St Dev						0.09	0.17	0.38	0.97				1.18
Net Irr						1.10	2.02	3.04					6.16
Turfgrass					2.06	4.38	4.95	4.19	2.21	0.07			17.86
St Dev					0.21	0.25	0.28	0.25	0.77	0.19			1.10
Net Irr					1.30	3.91	3.89	2.69	0.90				12.69
Open Water Deep	0.64	0.86	1.20	1.62	2.30	3.57	3.87	3.54	2.60	2.27	1.35	0.76	24.58
St Dev	0.14	0.16	0.22	0.21	0.27	0.32	0.28	0.24	0.26	0.31	0.25	0.16	1.10
Net Evap			0.25	0.88	1.54	3.09	2.81	2.04	1.28	0.82	0.21		12.92
Open Water Shallow	0.73	1.25	2.56	3.64	4.48	5.57	5.57	5.05	3.73	2.41	1.17	0.67	36.82
St Dev	0.13	0.17	0.29	0.29	0.30	0.25	0.22	0.21	0.23	0.26	0.18	0.13	1.01
Net Evap		0.15	1.60	2.90	3.72	5.09	4.51	3.55	2.42	0.96	0.03		24.94
Wetlands Large						1.82	6.87	7.12	2.55	0.01			18.37
St Dev						0.18	0.41	0.76	1.58	0.05			2.09
Net ET						1.35	5.81	5.62	1.23				14.01
Wetlands Narrow						2.31	9.65	10.17	3.64	0.01			25.79
St Dev						0.23	0.58	1.09	2.25	0.07			2.98
Net ET						1.83	8.59	8.68	2.33				21.43
ETr	0.78	1.41	3.01	4.58	6.09	8.13	8.25	6.99	5.19	3.40	1.56	0.79	50.16
St Dev	0.23	0.28	0.45	0.46	0.54	0.48	0.46	0.42	0.45	0.52	0.37	0.27	1.92

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MORGAN POWER & LIGHT

Aridity Index: 68%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.04, Long: -111.67, Elev: 5090 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.05	28.54	38.19	45.90	54.42	62.96	70.59	68.73	59.12	48.18	35.29	25.24	46.77
St Dev	5.55	4.81	3.50	3.11	2.46	2.46	2.90	2.61	2.36	2.20	3.84	4.50	1.70
Precip (in)	1.74	1.78	1.83	1.97	1.90	1.19	0.74	0.88	1.48	1.70	1.85	1.74	18.79
St Dev	1.05	1.26	0.77	1.23	1.12	0.91	0.59	0.77	1.33	1.20	1.02	1.31	4.51
Aridity Adj. (F)	1.36	1.29	1.84	2.52	3.74	4.62	3.88	3.81	3.88	3.54	2.45	1.63	2.88
Est. Dewpoint (F)	16.84	19.20	22.31	23.98	29.26	35.51	41.26	39.42	31.29	24.73	20.33	15.61	26.65
Rs (langley/day)	163	265	403	492	558	678	646	587	469	322	183	131	408
Wind (mpd)	40	42	64	89	83	69	59	63	61	62	60	51	62
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				1.75	5.53	5.81	6.67	6.31	2.14	0.05			28.27
St Dev				0.74	0.61	0.49	0.56	0.67	1.11	0.13			1.84
Net Irr				0.18	4.01	4.86	6.08	5.60	0.96				21.70
Alfalfa (Dairy)				1.75	5.44	5.71	6.00	5.45	2.19	0.05			26.59
St Dev				0.74	0.54	0.44	0.33	0.38	1.02	0.12			1.79
Net Irr				0.18	3.92	4.76	5.41	4.75	1.01				20.02
Barley				0.88	3.71	7.47	6.48	0.55					19.09
St Dev				0.36	0.94	0.73	1.11	0.64					0.74
Net Irr					2.19	6.52	5.88						14.59
Corn					0.59	2.28	6.64	7.02	2.65	0.05			19.23
St Dev					0.17	0.49	0.84	0.37	1.03	0.15			1.54
Net Irr						1.33	6.05	6.32	1.47				15.17
Other Hay				1.89	6.18	7.20	4.00	2.47	1.05	0.03			22.82
St Dev				0.81	0.63	0.60	0.62	0.17	0.27	0.06			1.07
Net Irr				0.32	4.66	6.25	3.41	1.77					16.40
Pasture			0.02	1.77	4.19	5.09	5.48	4.99	2.82	0.46			24.82
St Dev			0.05	0.56	0.37	0.37	0.30	0.25	0.81	0.57			1.62
Net Irr				0.20	2.67	4.14	4.89	4.28	1.64				17.82
Potato					0.68	2.58	5.81	5.50	2.26	0.05			16.89
St Dev					0.12	0.49	0.50	0.30	0.89	0.14			1.30
Net Irr						1.63	5.22	4.80	1.08				12.73
Spring Grain				0.86	3.51	7.36	7.15	1.25					20.14
St Dev				0.34	0.89	0.77	0.83	0.95					0.78
Net Irr					1.99	6.42	6.56	0.55					15.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MORGAN POWER & LIGHT

Aridity Index: 68%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.04, Long: -111.67, Elev: 5090 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.89	2.49	4.84	5.60	1.33				15.16
St Dev					0.10	0.18	0.27	0.97	1.02				1.89
Net Irr						1.54	4.25	4.90	0.15				10.84
Turfgrass			0.04	1.93	3.52	4.49	4.84	4.44	2.77	0.54			22.56
St Dev			0.09	0.45	0.33	0.33	0.26	0.18	0.68	0.63			1.43
Net Irr				0.35	2.00	3.54	4.25	3.74	1.59				15.47
Open Water Deep	0.37	0.39	0.91	1.68	2.20	2.36	2.84	3.16	2.17	1.83	1.06	0.54	19.52
St Dev	0.05	0.07	0.15	0.25	0.24	0.25	0.28	0.23	0.19	0.20	0.18	0.09	1.06
Net Evap				0.11	0.68	1.41	2.25	2.46	0.99	0.47			8.37
Open Water Shallow	0.63	1.12	2.52	3.59	4.54	5.41	5.84	5.42	3.89	2.44	1.10	0.60	37.12
St Dev	0.07	0.13	0.26	0.34	0.29	0.32	0.27	0.18	0.22	0.20	0.15	0.09	1.26
Net Evap			1.06	2.02	3.02	4.46	5.25	4.72	2.71	1.08			24.32
Wetlands Large					0.07	3.55	7.89	7.73	3.62	0.10			22.97
St Dev					0.10	0.82	0.61	0.44	1.48	0.29			2.35
Net ET						2.60	7.30	7.03	2.44				19.37
Wetlands Narrow					0.08	4.73	11.24	11.04	5.17	0.15			32.41
St Dev					0.11	1.16	0.89	0.63	2.12	0.41			3.36
Net ET						3.78	10.65	10.34	3.99				28.76
ETr	0.73	1.20	2.99	4.84	6.35	7.48	8.07	7.42	5.26	3.47	1.60	0.85	50.26
St Dev	0.08	0.15	0.36	0.57	0.50	0.55	0.43	0.30	0.38	0.38	0.27	0.15	2.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MORONI

Aridity Index: 43%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.53, Long: -111.59, Elev: 5560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.27	29.29	38.31	45.28	53.91	62.55	69.71	68.06	59.66	48.56	35.65	25.40	46.72
St Dev	5.15	4.40	3.08	3.12	2.65	2.51	2.25	2.05	2.27	2.67	3.35	4.09	1.50
Precip (in)	1.02	1.03	0.99	0.81	0.88	0.54	0.73	0.77	0.95	1.12	0.96	1.04	10.84
St Dev	0.73	0.81	0.69	0.59	0.55	0.61	0.59	0.65	0.87	0.89	0.69	0.81	3.15
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	20.13	20.95	20.72	21.84	28.68	33.26	38.19	37.69	31.36	26.72	20.66	17.69	26.49
Rs (langley/day)	207	305	405	537	582	707	671	592	506	359	200	165	436
Wind (mpd)	77	76	110	131	113	99	86	94	81	78	75	73	91
Calc. Wind Limit (mpd)	96	96	109	126	112	96	96	97	96	96	96	96	101
.....Inches.....													
Alfalfa (Beef)				1.30	5.61	6.66	7.99	6.09	2.14	0.03			29.80
St Dev				0.30	0.68	0.51	0.74	1.31	1.36	0.10			2.56
Net Irr				0.65	4.90	6.23	7.40	5.47	1.38				26.03
Alfalfa (Dairy)				1.30	5.61	6.36	6.82	5.87	2.15	0.03			28.12
St Dev				0.30	0.68	0.51	0.37	0.80	1.38	0.08			2.37
Net Irr				0.65	4.90	5.93	6.23	5.25	1.39				24.36
Barley				0.55	2.91	7.77	8.78	2.07					22.08
St Dev				0.10	0.60	0.92	0.66	1.26					1.03
Net Irr					2.21	7.34	8.19	1.45					19.19
Corn					0.21	2.02	6.43	7.89	2.68	0.03			19.26
St Dev					0.04	0.32	0.96	1.03	1.63	0.10			2.69
Net Irr						1.59	5.84	7.27	1.93				16.63
Other Hay				1.38	6.41	8.46	5.09	2.92	1.22	0.04			25.52
St Dev				0.31	0.62	0.69	0.34	0.17	0.30	0.06			1.44
Net Irr				0.73	5.70	8.03	4.50	2.30	0.46				21.73
Pasture				0.89	4.13	5.69	6.18	5.65	2.89	0.27			25.70
St Dev				0.15	0.39	0.47	0.33	0.31	0.96	0.44			1.83
Net Irr				0.24	3.43	5.26	5.60	5.03	2.13				21.70
Safflower					0.21	6.52	9.09	8.01	2.93	0.19			26.95
St Dev					0.04	0.53	0.49	0.50	1.33	0.33			2.25
Net Irr						6.09	8.51	7.39	2.17				24.16
Sorghum					0.26	2.65	6.82	7.22	2.75				19.70
St Dev					0.05	0.21	0.38	0.96	1.70				2.47
Net Irr						2.22	6.23	6.60	1.99				17.04
Spring Grain				0.55	2.77	7.55	9.08	3.27	0.05				23.27
St Dev				0.10	0.56	0.95	0.55	1.39	0.13				1.06
Net Irr					2.07	7.12	8.50	2.65					20.33
Winter Wheat			0.29	1.42	2.92	7.58	8.08	1.47	0.01				21.78
St Dev			0.06	0.22	0.71	1.17	1.06	1.17	0.05				0.93
Net Irr				0.77	2.22	7.16	7.49	0.85					18.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MORONI

Aridity Index: 43%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.53, Long: -111.59, Elev: 5560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.26	2.31	4.34	6.06	1.68	0.01			14.65
St Dev					0.05	0.19	0.24	0.81	1.40	0.03			2.00
Net Irr						1.88	3.75	5.44	0.92				11.99
Turfgrass				1.23	3.46	5.01	5.46	5.03	2.89	0.32			23.39
St Dev				0.20	0.32	0.42	0.30	0.28	0.79	0.50			1.62
Net Irr				0.58	2.75	4.58	4.87	4.41	2.13				19.33
Open Water Deep	0.39	0.52	1.39	2.14	2.65	3.15	3.88	4.36	2.68	2.01	1.14	0.55	24.86
St Dev	0.09	0.12	0.24	0.33	0.31	0.34	0.30	0.25	0.22	0.25	0.20	0.11	1.20
Net Evap			0.60	1.49	1.94	2.72	3.29	3.74	1.93	1.11	0.37		17.20
Open Water Shallow	0.60	1.19	2.59	3.84	4.68	5.68	6.09	5.57	4.18	2.61	1.13	0.59	38.75
St Dev	0.10	0.17	0.27	0.36	0.32	0.34	0.25	0.21	0.20	0.23	0.16	0.10	1.19
Net Evap		0.36	1.79	3.19	3.97	5.25	5.51	4.95	3.43	1.71	0.36		30.53
Wetlands Large						3.40	8.66	8.42	3.21	0.05			23.73
St Dev						0.47	0.53	1.12	1.99	0.14			2.97
Net ET						2.97	8.07	7.80	2.46				21.30
Wetlands Narrow						4.45	12.31	12.03	4.59	0.07			33.45
St Dev						0.63	0.77	1.61	2.84	0.20			4.23
Net ET						4.03	11.72	11.41	3.83				30.99
ETr	0.58	1.28	3.47	5.42	6.85	8.37	9.09	8.38	5.93	3.71	1.72	0.78	55.59
St Dev	0.17	0.26	0.50	0.68	0.62	0.69	0.49	0.47	0.41	0.44	0.34	0.21	2.41

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MTN DELL DAM

Aridity Index: 74%, Temp. Adj. (F): 0.5, Period: 1971-2008, Lat: 40.75, Long: -111.72, Elev: 5420 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.33	30.07	37.50	44.83	53.89	62.40	70.28	68.82	59.69	48.53	36.14	27.40	47.16
St Dev	4.14	3.43	3.23	3.39	2.46	2.68	2.36	1.74	2.38	2.63	3.25	3.27	1.25
Precip (in)	2.07	1.98	2.53	2.55	2.64	1.37	1.03	1.11	1.88	2.62	2.27	2.14	24.19
St Dev	1.20	0.83	1.19	1.35	1.37	1.16	0.76	0.88	1.68	1.45	1.29	1.51	5.50
Aridity Adj. (F)	1.48	1.41	2.00	2.74	4.07	5.03	4.22	4.14	4.22	3.85	2.66	1.78	3.13
Est. Dewpoint (F)	16.05	17.53	19.42	22.03	27.17	31.16	36.73	36.84	31.28	26.69	21.51	16.99	25.28
Rs (langley/day)	169	261	394	504	596	670	650	566	465	325	205	157	413
Wind (mpd)	61	62	87	97	91	80	73	80	70	72	69	61	75
Calc. Wind Limit (mpd)	96	96	96	103	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.84	5.87	6.03	7.26	6.83	2.73	0.26			30.83
St Dev				0.62	0.64	0.42	0.50	0.70	0.96	0.51			2.02
Net Irr					3.76	4.94	6.44	5.95	1.22				22.31
Alfalfa (Dairy)				1.84	5.76	5.97	6.50	5.93	2.94	0.23			29.17
St Dev				0.62	0.53	0.48	0.28	0.21	1.00	0.44			1.94
Net Irr					3.64	4.88	5.68	5.05	1.43				20.68
Barley				0.89	3.80	7.76	7.24	0.68					20.36
St Dev				0.27	0.88	0.79	0.95	0.80					0.62
Net Irr					1.69	6.66	6.42						14.76
Other Hay				1.99	6.57	7.49	4.25	2.65	1.13	0.03			24.12
St Dev				0.69	0.58	0.58	0.50	0.12	0.20	0.06			1.07
Net Irr					4.45	6.40	3.43	1.76					16.05
Pasture				1.74	4.43	5.30	5.94	5.42	3.29	0.90	0.02		27.03
St Dev				0.36	0.34	0.38	0.23	0.18	0.59	0.70	0.08		1.88
Net Irr					2.31	4.21	5.12	4.54	1.79				17.96
Spring Grain				0.87	3.59	7.63	7.92	1.49					21.50
St Dev				0.25	0.82	0.85	0.67	1.11					0.64
Net Irr					1.47	6.53	7.10	0.61					15.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MTN DELL DAM

Aridity Index: 74%, Temp. Adj. (F): 0.5, Period: 1971-2008, Lat: 40.75, Long: -111.72, Elev: 5420 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.29	2.96	5.86	6.30	1.55				17.96
St Dev					0.15	0.25	0.30	0.36	0.77				1.25
Net Irr						1.87	5.04	5.42	0.04				12.36
Turfgrass				1.95	3.70	4.68	5.24	4.80	3.11	1.01	0.02		24.50
St Dev				0.33	0.29	0.33	0.21	0.16	0.42	0.72	0.09		1.64
Net Irr					1.59	3.58	4.42	3.91	1.60				15.10
Open Water Deep	0.73	0.75	1.35	1.88	2.54	3.00	3.88	4.31	2.59	2.08	1.26	0.75	25.10
St Dev	0.10	0.11	0.20	0.28	0.26	0.32	0.28	0.21	0.21	0.23	0.18	0.09	1.14
Net Evap					0.43	1.90	3.06	3.43	1.08				9.89
Open Water Shallow	0.82	1.28	2.61	3.69	4.85	5.49	6.06	5.49	3.99	2.52	1.23	0.75	38.78
St Dev	0.08	0.14	0.25	0.35	0.30	0.33	0.20	0.14	0.20	0.21	0.14	0.07	1.13
Net Evap			0.59	1.65	2.74	4.40	5.23	4.61	2.48	0.42			22.12
Wetlands Large					0.15	4.09	8.73	8.36	4.63	0.39			26.36
St Dev					0.15	0.79	0.51	0.31	1.28	0.69			2.46
Net ET						3.00	7.91	7.48	3.12				21.51
Wetlands Narrow					0.17	5.51	12.45	11.94	6.61	0.56			37.24
St Dev					0.17	1.14	0.74	0.44	1.83	0.98			3.51
Net ET						4.41	11.63	11.06	5.10				32.21
ETr	1.12	1.61	3.41	4.96	6.70	7.80	8.74	7.99	5.45	3.49	1.71	1.03	54.01
St Dev	0.12	0.21	0.39	0.56	0.49	0.56	0.34	0.26	0.32	0.34	0.23	0.11	1.87

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MYTON

Aridity Index: 39%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.19, Long: -110.06, Elev: 5080 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.23	24.25	38.24	47.52	56.70	65.71	72.53	70.17	60.86	48.53	33.78	20.92	46.37
St Dev	7.74	7.16	3.99	3.37	2.32	2.65	2.17	1.78	2.21	2.41	3.11	5.27	1.93
Precip (in)	0.43	0.36	0.49	0.70	0.86	0.55	0.54	0.65	0.88	0.92	0.48	0.48	7.33
St Dev	0.50	0.28	0.44	0.62	0.70	0.56	0.51	0.48	0.77	0.93	0.41	0.83	2.32
Aridity Adj. (F)	0.78	0.74	1.05	1.44	2.15	2.65	2.22	2.18	2.22	2.03	1.40	0.94	1.65
Est. Dewpoint (F)	6.57	10.38	16.53	20.84	28.22	33.76	39.54	40.69	33.08	25.91	15.92	9.17	23.38
Rs (langleys/day)	217	309	415	510	583	640	609	539	459	342	235	190	421
Wind (mpd)	72	81	116	135	124	110	95	88	89	91	84	70	96
Calc. Wind Limit (mpd)	96	96	108	131	121	111	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				1.32	5.94	6.70	7.80	6.40	2.64	0.17			30.97
St Dev				0.68	0.84	0.40	0.60	0.71	1.01	0.35			2.09
Net Irr				0.76	5.25	6.26	7.37	5.88	1.94				27.46
Alfalfa (Dairy)				1.32	5.91	6.52	6.78	5.65	2.92	0.15			29.26
St Dev				0.68	0.80	0.49	0.28	0.24	0.96	0.32			2.05
Net Irr				0.76	5.23	6.08	6.35	5.13	2.22				25.76
Barley				0.60	3.39	8.26	8.10	1.02					21.38
St Dev				0.24	0.81	0.93	0.78	0.88					0.57
Net Irr				0.04	2.71	7.82	7.67	0.50					18.74
Corn					0.43	2.28	6.90	7.47	3.57	0.16			20.82
St Dev					0.16	0.43	0.97	0.23	1.06	0.33			1.85
Net Irr						1.84	6.47	6.95	2.87				18.13
Other Hay				1.40	6.57	8.64	5.32	2.70	1.29	0.06			25.98
St Dev				0.73	0.89	0.61	1.01	0.18	0.23	0.13			1.25
Net Irr				0.84	5.89	8.20	4.89	2.17	0.59				22.57
Pasture				1.05	4.42	5.83	6.19	5.17	3.06	0.36			26.08
St Dev				0.33	0.42	0.41	0.27	0.19	0.74	0.48			1.67
Net Irr				0.49	3.73	5.39	5.76	4.65	2.36				22.38
Sorghum					0.54	3.10	7.26	6.88	3.56	0.02			21.36
St Dev					0.20	0.36	0.50	0.25	0.98	0.08			1.47
Net Irr						2.66	6.83	6.36	2.86				18.71
Spring Grain				0.60	3.22	8.08	8.65	1.96	0.01				22.51
St Dev				0.24	0.76	0.97	0.56	1.12	0.03				0.62
Net Irr				0.04	2.54	7.64	8.22	1.44					19.87

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MYTON

Aridity Index: 39%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.19, Long: -110.06, Elev: 5080 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden					0.64	2.56	4.87	6.01	2.13	0.01			16.22
St Dev					0.08	0.18	0.23	0.63	1.15	0.04			1.67
Net Irr						2.12	4.44	5.49	1.43				13.48
Turfgrass				1.39	3.71	5.13	5.46	4.59	3.02	0.44			23.74
St Dev				0.41	0.30	0.37	0.24	0.17	0.56	0.54			1.49
Net Irr				0.83	3.03	4.68	5.03	4.07	2.32				19.96
Open Water Deep	0.45	0.61	1.50	2.46	3.20	4.01	4.57	3.97	2.82	2.21	1.21	0.52	27.52
St Dev	0.14	0.15	0.27	0.34	0.33	0.41	0.34	0.21	0.21	0.26	0.18	0.13	1.41
Net Evap	0.11	0.32	1.11	1.90	2.52	3.56	4.14	3.45	2.12	1.48	0.83	0.14	21.66
Open Water Shallow	0.62	1.13	2.62	3.81	4.87	5.52	5.86	5.16	3.90	2.49	1.20	0.60	37.77
St Dev	0.16	0.21	0.31	0.31	0.29	0.30	0.21	0.15	0.17	0.21	0.15	0.12	1.21
Net Evap	0.28	0.84	2.23	3.25	4.19	5.07	5.43	4.64	3.20	1.76	0.81	0.22	31.90
Wetlands Large					0.07	3.66	8.67	8.03	4.40	0.24			25.06
St Dev					0.09	1.12	0.78	0.29	1.36	0.47			2.69
Net ET						3.21	8.24	7.51	3.70				22.66
Wetlands Narrow					0.07	4.84	12.32	11.47	6.29	0.34			35.33
St Dev					0.10	1.56	1.16	0.42	1.94	0.67			3.85
Net ET						4.40	11.89	10.95	5.59				32.82
ETr	0.79	1.39	3.63	5.66	7.27	8.58	9.10	7.65	5.74	3.72	1.77	0.81	56.11
St Dev	0.25	0.29	0.55	0.58	0.57	0.61	0.40	0.28	0.32	0.43	0.31	0.21	2.24

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NATURAL BRIDGES NM

Aridity Index: 51%, Temp. Adj. (F): -10, Period: 1971-2008, Lat: 37.61, Long: -109.98, Elev: 6500 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.19	33.66	40.59	47.92	57.73	68.29	74.34	71.68	63.59	51.64	38.83	30.14	50.63
St Dev	3.90	3.12	3.36	3.28	2.73	2.81	2.09	1.58	2.36	3.05	3.36	3.31	1.08
Precip (in)	1.12	0.82	1.13	0.85	0.74	0.42	1.17	1.50	1.41	1.52	0.96	0.92	12.57
St Dev	0.87	0.65	0.95	0.63	0.64	0.48	0.77	1.19	1.08	1.48	0.81	0.91	2.93
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	18.30	20.03	22.35	24.62	32.65	41.33	48.50	46.54	39.53	31.46	22.88	17.94	30.51
Rs (langley/day)	233	335	467	569	645	710	630	589	517	400	271	213	465
Wind (mpd)	114	120	159	185	169	149	122	125	123	133	121	121	137
Calc. Wind Limit (mpd)	97	118	120	120	120	120	120	117	120	120	120	103	116
.....Inches.....													
Alfalfa (Beef)					3.62	6.57	6.15	4.90	2.93	0.12			24.29
St Dev					0.43	0.48	0.63	0.39	1.05	0.37			1.79
Net Irr					3.03	6.23	5.22	3.70	1.81				19.98
Alfalfa (Dairy)					3.62	5.91	5.79	5.04	2.38	0.10			22.84
St Dev					0.43	0.42	0.39	0.34	1.14	0.26			1.56
Net Irr					3.03	5.57	4.86	3.84	1.25				18.55
Other Hay					4.01	7.53	6.24	2.64	1.32	0.14			21.88
St Dev					0.38	0.51	0.39	0.18	0.28	0.17			1.25
Net Irr					3.42	7.19	5.31	1.44	0.19				17.55
Pasture					2.50	4.88	5.18	4.56	2.71	0.35			20.17
St Dev					0.24	0.33	0.32	0.30	0.75	0.50			1.55
Net Irr					1.91	4.54	4.24	3.36	1.58				15.63
Spring Grain					1.44	5.08	7.79	5.26	0.76				20.34
St Dev					0.27	0.87	0.51	0.92	0.53				0.83
Net Irr					0.85	4.75	6.86	4.06					16.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NATURAL BRIDGES NM

Aridity Index: 51%, Temp. Adj. (F): -10, Period: 1971-2008, Lat: 37.61, Long: -109.98, Elev: 6500 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.79	3.21	4.88	2.25	0.03			12.16
St Dev						0.12	0.21	0.33	1.04	0.16			1.23
Net Irr						1.45	2.28	3.68	1.12				8.53
Turfgrass					2.59	4.13	4.57	4.04	2.62	0.40			18.35
St Dev					0.24	0.28	0.28	0.27	0.61	0.53			1.37
Net Irr					2.00	3.79	3.63	2.84	1.49				13.75
Open Water Deep	0.45	0.63	0.84	1.21	1.76	2.49	3.01	3.08	2.25	1.84	1.14	0.57	19.26
St Dev	0.11	0.13	0.19	0.18	0.22	0.27	0.29	0.27	0.22	0.27	0.21	0.12	1.14
Net Evap				0.52	1.17	2.15	2.07	1.88	1.12	0.62	0.37		9.92
Open Water Shallow	0.68	1.24	2.49	3.51	4.63	5.46	5.51	5.11	3.97	2.53	1.18	0.65	36.95
St Dev	0.12	0.17	0.30	0.29	0.30	0.28	0.25	0.25	0.22	0.25	0.17	0.11	1.27
Net Evap		0.58	1.58	2.82	4.03	5.12	4.58	3.91	2.84	1.31	0.41		27.20
Wetlands Large						2.52	7.03	7.06	3.63	0.23			20.48
St Dev						0.21	0.47	0.48	1.41	0.56			1.92
Net ET						2.19	6.10	5.86	2.50				16.65
Wetlands Narrow						3.28	9.97	10.09	5.18	0.33			28.86
St Dev						0.28	0.67	0.68	2.02	0.80			2.73
Net ET						2.95	9.04	8.89	4.05				24.93
ETr	0.57	1.17	2.64	4.13	5.75	7.25	7.61	6.73	4.97	2.97	1.32	0.61	45.73
St Dev	0.19	0.26	0.44	0.43	0.50	0.49	0.47	0.45	0.37	0.40	0.29	0.19	2.26

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NEOLA

Aridity Index: 11%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.42, Long: -110.05, Elev: 5950 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	19.71	25.51	37.09	45.29	54.48	63.49	70.21	67.93	58.93	47.20	32.74	21.44	45.33
St Dev	6.26	5.52	3.69	3.46	2.31	2.79	2.73	1.94	2.46	2.47	3.33	4.71	1.69
Precip (in)	0.61	0.69	0.64	0.82	1.03	0.68	0.64	0.79	1.19	1.25	0.64	0.55	9.52
St Dev	0.51	0.68	0.50	0.65	0.78	0.64	0.55	0.53	0.81	1.04	0.51	0.45	2.31
Aridity Adj. (F)	0.22	0.21	0.30	0.41	0.61	0.75	0.63	0.62	0.63	0.57	0.40	0.26	0.47
Est. Dewpoint (F)	11.83	14.66	18.99	21.91	29.49	35.97	41.45	42.58	35.22	29.08	18.40	12.32	25.99
Rs (langley/day)	221	316	421	515	583	646	609	537	458	343	240	191	423
Wind (mpd)	73	81	113	132	125	113	100	93	94	94	84	70	98
Calc. Wind Limit (mpd)	96	96	104	131	122	113	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				1.22	5.56	6.37	7.36	5.96	2.50	0.15			29.12
St Dev				0.51	0.68	0.37	0.62	0.70	1.02	0.37			1.95
Net Irr				0.56	4.74	5.83	6.85	5.33	1.55				24.85
Alfalfa (Dairy)				1.22	5.56	6.16	6.36	5.30	2.68	0.13			27.42
St Dev				0.51	0.68	0.43	0.32	0.37	1.01	0.32			1.86
Net Irr				0.56	4.73	5.62	5.86	4.67	1.73				23.17
Barley				0.55	3.02	7.68	7.81	1.29					20.34
St Dev				0.16	0.65	0.89	0.71	0.95					0.68
Net Irr					2.19	7.14	7.30	0.66					17.29
Corn					0.52	2.09	6.10	7.07	3.42	0.15			19.35
St Dev					0.19	0.44	1.15	0.31	1.27	0.36			2.12
Net Irr						1.55	5.59	6.44	2.46				16.04
Other Hay				1.30	6.27	8.16	4.84	2.54	1.21	0.07			24.40
St Dev				0.55	0.70	0.53	0.63	0.11	0.21	0.10			1.20
Net Irr				0.64	5.44	7.62	4.33	1.91	0.26				20.21
Pasture				0.95	4.16	5.50	5.79	4.91	2.96	0.41			24.69
St Dev				0.21	0.35	0.38	0.29	0.20	0.72	0.48			1.54
Net Irr				0.29	3.33	4.96	5.29	4.28	2.01				20.16
Sorghum					0.65	3.21	7.00	6.51	3.01				20.38
St Dev					0.24	0.50	0.58	0.30	0.95				1.66
Net Irr						2.67	6.50	5.88	2.06				17.09
Spring Grain				0.55	2.87	7.48	8.24	2.29	0.02				21.46
St Dev				0.16	0.60	0.93	0.51	1.19	0.07				0.77
Net Irr					2.04	6.94	7.74	1.66					18.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NEOLA

Aridity Index: 11%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.42, Long: -110.05, Elev: 5950 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.82	2.59	4.91	5.79	1.92	0.01			16.04
St Dev					0.09	0.18	0.29	0.63	0.96	0.04			1.50
Net Irr						2.05	4.41	5.15	0.97				12.58
Turfgrass				1.27	3.47	4.85	5.11	4.36	2.89	0.48			22.43
St Dev				0.26	0.27	0.34	0.26	0.18	0.55	0.53			1.37
Net Irr				0.61	2.64	4.31	4.60	3.72	1.94				17.83
Open Water Deep	0.42	0.53	1.24	2.17	2.95	3.76	4.20	3.84	2.73	2.06	1.10	0.48	25.49
St Dev	0.09	0.10	0.22	0.32	0.30	0.39	0.38	0.24	0.25	0.24	0.16	0.09	1.44
Net Evap			0.73	1.51	2.13	3.22	3.69	3.20	1.78	1.06	0.59	0.04	17.95
Open Water Shallow	0.63	1.14	2.55	3.72	4.81	5.51	5.78	5.10	3.87	2.44	1.15	0.58	37.29
St Dev	0.10	0.15	0.28	0.33	0.29	0.30	0.24	0.17	0.22	0.21	0.14	0.09	1.28
Net Evap	0.15	0.59	2.04	3.06	3.98	4.97	5.27	4.47	2.91	1.44	0.64	0.14	29.67
Wetlands Large					0.07	3.57	8.20	7.59	4.02	0.19			23.65
St Dev					0.12	1.06	0.76	0.35	1.50	0.44			2.78
Net ET						3.03	7.69	6.96	3.06				20.75
Wetlands Narrow					0.08	4.74	11.66	10.85	5.74	0.28			33.34
St Dev					0.13	1.49	1.12	0.50	2.14	0.63			3.97
Net ET						4.20	11.15	10.21	4.79				30.35
ETr	0.65	1.22	3.19	5.14	6.81	8.10	8.52	7.26	5.39	3.30	1.49	0.65	51.72
St Dev	0.13	0.21	0.44	0.57	0.52	0.56	0.43	0.29	0.37	0.37	0.23	0.13	2.22

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NEPHI

Aridity Index: 50%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.71, Long: -111.83, Elev: 5125 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.56	33.23	41.69	49.03	57.74	67.29	75.25	73.29	63.99	51.95	39.08	29.35	50.87
St Dev	4.90	4.22	3.74	3.54	2.97	3.01	2.53	1.83	2.30	2.93	3.57	3.58	1.38
Precip (in)	1.31	1.33	1.69	1.61	1.51	0.79	0.76	0.91	1.12	1.56	1.34	1.20	15.12
St Dev	0.88	0.77	0.94	0.92	1.01	0.79	0.72	0.59	1.04	1.02	0.79	0.71	3.84
Aridity Adj. (F)	1.00	0.95	1.35	1.85	2.75	3.40	2.85	2.80	2.85	2.60	1.80	1.20	2.12
Est. Dewpoint (F)	25.00	24.07	22.96	28.11	31.79	36.92	43.76	42.69	35.07	30.72	23.03	21.89	30.50
Rs (langley/day)	244	315	417	488	598	656	613	547	412	393	268	231	432
Wind (mpd)	100	89	121	136	116	113	94	105	94	88	91	90	103
Calc. Wind Limit (mpd)	96	96	113	127	110	104	99	112	98	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				1.23	5.43	6.30	7.55	6.77	2.85	0.09			30.22
St Dev				0.33	0.66	0.44	0.61	0.75	0.84	0.17			1.71
Net Irr					4.22	5.67	6.94	6.04	1.96				24.82
Alfalfa (Dairy)				1.23	5.42	6.13	6.55	6.10	3.09	0.10			28.62
St Dev				0.33	0.65	0.53	0.33	0.40	0.70	0.23			1.80
Net Irr					4.21	5.50	5.94	5.37	2.20				23.22
Apples / Cherries					1.51	6.31	9.08	8.50	5.16	0.62			31.17
St Dev					0.18	0.53	0.47	0.52	0.95	0.80			2.04
Net Irr					0.30	5.68	8.47	7.77	4.26				26.48
Barley				0.52	2.93	7.59	7.98	1.23					20.25
St Dev				0.12	0.68	1.00	0.81	1.05					1.29
Net Irr					1.73	6.96	7.37	0.50					16.56
Corn					0.20	1.90	6.17	8.01	3.87	0.15			20.30
St Dev					0.04	0.29	0.89	0.50	0.93	0.28			1.69
Net Irr						1.27	5.56	7.28	2.98				17.09
Other Hay				1.32	6.16	8.06	4.76	2.82	1.23	0.04			24.39
St Dev				0.35	0.59	0.67	0.35	0.18	0.20	0.05			1.46
Net Irr				0.03	4.95	7.43	4.15	2.09	0.34				18.99
Other Orchard					1.40	6.04	8.41	7.84	4.75	0.56			29.01
St Dev					0.17	0.51	0.43	0.48	0.87	0.72			1.88
Net Irr					0.19	5.41	7.81	7.11	3.86				24.38
Pasture				0.83	3.98	5.46	5.96	5.53	3.03	0.33			25.12
St Dev				0.16	0.35	0.46	0.31	0.33	0.73	0.47			1.68
Net Irr					2.77	4.83	5.35	4.80	2.14				19.89
Spring Grain				0.51	2.78	7.39	8.48	2.27	0.01				21.43
St Dev				0.12	0.62	1.02	0.64	1.27	0.06				1.40
Net Irr					1.57	6.76	7.87	1.54					17.74
Winter Wheat			0.37	1.26	3.04	7.48	7.01	0.85					20.02
St Dev			0.08	0.25	0.87	1.17	1.34	0.88					1.21
Net Irr					1.84	6.85	6.40	0.12					15.21

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NEPHI

Aridity Index: 50%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.71, Long: -111.83, Elev: 5125 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.25	2.21	4.18	6.07	2.09	0.01			14.81
St Dev					0.05	0.19	0.22	0.74	1.31	0.05			1.92
Net Irr						1.58	3.57	5.34	1.20				11.69
Turfgrass				1.13	3.31	4.81	5.26	4.90	3.00	0.40			22.81
St Dev				0.22	0.29	0.41	0.27	0.30	0.56	0.52			1.52
Net Irr					2.11	4.18	4.65	4.17	2.10				17.21
Open Water Deep	0.26	0.51	1.33	1.69	2.39	3.31	4.15	4.74	2.98	1.99	1.28	0.51	25.13
St Dev	0.12	0.16	0.23	0.35	0.28	0.37	0.28	0.26	0.28	0.31	0.24	0.14	1.67
Net Evap				0.41	1.19	2.67	3.55	4.01	2.09	0.74	0.21		14.86
Open Water Shallow	0.56	1.18	2.59	3.42	4.69	5.43	5.82	5.37	3.70	2.70	1.31	0.64	37.41
St Dev	0.13	0.21	0.28	0.40	0.31	0.35	0.22	0.23	0.23	0.24	0.18	0.13	1.75
Net Evap		0.11	1.24	2.13	3.49	4.80	5.21	4.64	2.80	1.45	0.24		26.12
Wetlands Large						2.94	8.18	8.58	4.73	0.21			24.64
St Dev						0.38	0.49	0.53	1.19	0.40			1.84
Net ET						2.31	7.57	7.85	3.84				21.56
Wetlands Narrow						3.83	11.61	12.26	6.76	0.30			34.76
St Dev						0.50	0.71	0.75	1.70	0.58			2.60
Net ET						3.20	11.00	11.52	5.87				31.59
ETr	0.20	1.15	3.32	4.68	6.51	8.03	8.76	8.17	5.64	3.54	1.69	0.50	52.19
St Dev	0.25	0.34	0.47	0.76	0.56	0.68	0.45	0.50	0.48	0.53	0.38	0.26	3.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NEW HARMONY

Aridity Index: 52%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.48, Long: -113.31, Elev: 5265 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	32.60	36.45	42.33	48.82	57.68	67.08	73.66	71.69	64.06	53.18	40.98	33.29	51.82
St Dev	3.56	3.23	3.32	3.65	2.97	2.77	1.86	1.30	2.16	2.84	3.40	3.40	0.97
Precip (in)	2.00	2.40	2.38	1.11	0.85	0.53	1.12	1.64	1.26	1.78	1.44	1.48	17.99
St Dev	2.06	2.25	2.14	0.97	0.76	0.56	1.10	1.20	1.25	1.91	1.42	1.51	6.14
Aridity Adj. (F)	1.04	0.99	1.40	1.92	2.86	3.54	2.96	2.91	2.96	2.70	1.87	1.25	2.20
Est. Dewpoint (F)	23.05	23.39	23.37	24.29	29.11	32.87	42.82	43.31	35.91	31.04	23.51	22.56	29.60
Rs (langley/day)	237	314	434	555	613	657	583	574	484	365	256	214	441
Wind (mpd)	97	94	129	145	122	121	100	105	100	99	97	94	109
Calc. Wind Limit (mpd)	96	96	121	132	114	115	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)			0.15	3.65	6.79	7.17	6.88	6.75	4.54	0.76			36.68
St Dev			0.19	0.75	0.64	0.70	0.50	0.48	1.31	0.77			2.46
Net Irr				2.76	6.11	6.74	5.99	5.44	3.53				30.57
Alfalfa (Dairy)			0.15	3.65	6.22	6.90	6.63	6.08	4.15	0.76			34.54
St Dev			0.19	0.75	0.44	0.46	0.29	0.32	0.96	0.87			2.07
Net Irr				2.76	5.54	6.48	5.73	4.76	3.14				28.42
Apples / Cherries				0.12	4.47	8.96	9.15	8.40	5.90	2.00	0.08		39.07
St Dev				0.04	0.38	0.55	0.39	0.39	0.54	1.17	0.20		1.94
Net Irr					3.79	8.53	8.25	7.09	4.89	0.57			33.13
Barley			0.15	1.63	5.28	9.19	5.46	0.18					21.91
St Dev			0.10	0.48	1.16	0.71	1.64	0.41					0.60
Net Irr				0.74	4.60	8.77	4.57						18.68
Corn					1.18	3.50	7.87	7.48	3.92	0.41			24.35
St Dev					0.16	0.78	0.78	0.36	0.90	0.45			1.12
Net Irr					0.49	3.08	6.98	6.16	2.92				19.62
Other Hay			0.15	4.18	7.68	7.04	3.45	2.35	0.77				25.61
St Dev			0.20	0.80	0.63	0.76	0.24	0.16	0.22				1.25
Net Irr				3.29	7.00	6.61	2.56	1.04					20.50
Other Orchard				0.12	4.21	8.43	8.45	7.75	5.36	1.85	0.08		36.25
St Dev				0.05	0.36	0.52	0.36	0.36	0.48	1.10	0.20		1.81
Net Irr					3.52	8.01	7.55	6.44	4.35	0.43			30.30
Pasture			0.33	3.11	5.04	6.14	5.98	5.48	3.95	1.46	0.08		31.58
St Dev			0.12	0.42	0.41	0.38	0.25	0.25	0.54	0.96	0.21		1.87
Net Irr				2.22	4.36	5.72	5.09	4.17	2.94	0.04			24.53
Potato					1.22	4.03	6.67	5.80	3.27	0.35			21.35
St Dev					0.16	0.82	0.39	0.28	0.71	0.43			1.04
Net Irr					0.53	3.61	5.78	4.49	2.26				16.68
Spring Grain			0.15	1.57	5.03	9.15	6.52	0.54					22.97
St Dev			0.10	0.45	1.12	0.77	1.29	0.71					0.62
Net Irr				0.68	4.35	8.73	5.62						19.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NEW HARMONY

Aridity Index: 52%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.48, Long: -113.31, Elev: 5265 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.52	3.52	6.04	6.42	2.07				19.57
St Dev					0.14	0.21	0.25	0.30	0.44				0.76
Net Irr					0.84	3.10	5.14	5.10	1.06				15.25
Turfgrass			0.52	2.78	4.37	5.42	5.28	4.85	3.69	1.58	0.09		28.58
St Dev			0.18	0.34	0.36	0.34	0.22	0.23	0.35	0.95	0.24		1.60
Net Irr				1.89	3.69	5.00	4.38	3.53	2.69	0.16			21.33
Open Water Deep	1.06	1.14	1.87	2.58	3.26	4.71	4.70	4.62	3.53	2.81	1.88	1.13	33.29
St Dev	0.20	0.21	0.32	0.39	0.38	0.45	0.31	0.24	0.27	0.33	0.28	0.21	1.43
Net Evap				1.69	2.58	4.29	3.80	3.31	2.52	1.39	0.73		20.31
Open Water Shallow	1.09	1.63	3.02	4.20	5.17	5.85	5.79	5.62	4.38	2.94	1.62	1.01	42.32
St Dev	0.17	0.23	0.34	0.39	0.33	0.29	0.20	0.21	0.22	0.24	0.19	0.16	1.23
Net Evap			1.12	3.31	4.49	5.43	4.89	4.31	3.37	1.52	0.47		28.90
Wetlands Large					0.91	6.53	9.18	8.48	6.05	1.39			32.55
St Dev					0.34	0.89	0.40	0.40	1.04	1.46			2.65
Net ET					0.23	6.11	8.29	7.17	5.05				26.84
Wetlands Narrow					1.11	9.08	13.12	12.12	8.65	1.98			46.06
St Dev					0.44	1.30	0.58	0.56	1.48	2.08			3.78
Net ET					0.43	8.66	12.22	10.80	7.64	0.56			40.31
ETr	1.38	2.04	4.02	5.80	7.42	9.03	8.80	8.08	6.30	4.24	2.42	1.38	60.89
St Dev	0.31	0.39	0.57	0.67	0.60	0.56	0.37	0.38	0.38	0.44	0.35	0.31	2.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NUTTERS RCH

Aridity Index: 35%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.81, Long: -110.26, Elev: 5790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.00	27.96	38.51	45.99	55.99	64.13	70.97	68.84	59.51	48.43	34.57	23.23	46.68
St Dev	5.97	5.31	3.29	2.83	2.42	2.67	2.11	1.72	2.05	2.44	3.28	4.26	1.43
Precip (in)	0.65	0.55	1.04	1.03	1.11	0.60	1.06	1.03	1.21	1.30	0.69	0.54	10.82
St Dev	0.62	0.38	1.13	0.78	0.78	0.53	0.78	0.59	0.95	1.12	0.57	0.43	2.53
Aridity Adj. (F)	0.70	0.67	0.95	1.30	1.93	2.38	2.00	1.96	2.00	1.82	1.26	0.84	1.48
Est. Dewpoint (F)	11.05	13.31	16.71	20.34	27.69	33.35	38.88	40.50	32.47	25.69	16.44	11.34	23.98
Rs (langleys/day)	222	311	419	532	602	651	568	495	427	339	244	193	417
Wind (mpd)	83	92	130	148	135	119	105	96	98	101	95	80	107
Calc. Wind Limit (mpd)	96	96	123	132	131	120	97	96	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)				1.24	6.14	6.71	7.54	6.04	2.54	0.07			30.30
St Dev				0.34	0.69	0.45	0.55	0.69	0.98	0.24			1.67
Net Irr				0.42	5.25	6.23	6.69	5.22	1.57				25.38
Alfalfa (Dairy)				1.24	6.14	6.48	6.47	5.50	2.78	0.06			28.68
St Dev				0.34	0.69	0.52	0.27	0.29	0.87	0.21			1.77
Net Irr				0.42	5.25	6.00	5.61	4.67	1.81				23.77
Barley				0.54	3.25	8.03	8.17	1.55					21.54
St Dev				0.10	0.63	0.97	0.52	0.98					0.83
Net Irr					2.36	7.55	7.32	0.72					17.95
Corn					0.51	2.21	6.34	7.30	3.43	0.09			19.87
St Dev					0.09	0.42	0.96	0.30	1.23	0.26			1.94
Net Irr						1.73	5.49	6.47	2.46				16.15
Other Hay				1.32	6.94	8.63	4.93	2.60	1.24	0.06			25.72
St Dev				0.36	0.61	0.69	0.42	0.12	0.21	0.08			1.38
Net Irr				0.49	6.04	8.16	4.08	1.78	0.28				20.82
Pasture				0.89	4.50	5.79	5.88	5.02	2.97	0.33			25.39
St Dev				0.13	0.37	0.47	0.26	0.23	0.71	0.45			1.61
Net Irr				0.06	3.61	5.31	5.03	4.20	2.00				20.21
Sorghum					0.64	3.19	7.02	6.68	3.24				20.78
St Dev					0.11	0.29	0.37	0.30	1.05				1.43
Net Irr						2.71	6.17	5.86	2.27				17.02
Spring Grain				0.54	3.09	7.81	8.55	2.63	0.03				22.66
St Dev				0.09	0.59	0.99	0.39	1.11	0.10				0.87
Net Irr					2.20	7.33	7.70	1.81					19.04

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NUTTERS RCH

Aridity Index: 35%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.81, Long: -110.26, Elev: 5790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.67	2.55	4.63	5.84	1.99	0.01			15.69
St Dev					0.09	0.20	0.22	0.61	1.01	0.04			1.36
Net Irr						2.07	3.78	5.02	1.02				11.89
Turfgrass				1.23	3.78	5.10	5.19	4.45	2.94	0.40			23.09
St Dev				0.16	0.31	0.41	0.23	0.20	0.55	0.52			1.44
Net Irr				0.41	2.89	4.62	4.34	3.63	1.97				17.84
Open Water Deep	0.61	0.80	1.73	2.28	3.41	4.03	4.39	4.09	2.88	2.36	1.43	0.65	28.67
St Dev	0.15	0.16	0.27	0.29	0.35	0.44	0.31	0.20	0.25	0.27	0.23	0.13	1.32
Net Evap	0.09	0.36	0.90	1.45	2.52	3.55	3.54	3.27	1.92	1.32	0.88	0.21	20.01
Open Water Shallow	0.75	1.29	2.73	3.84	5.03	5.55	5.53	4.87	3.70	2.53	1.30	0.68	37.79
St Dev	0.14	0.18	0.28	0.30	0.30	0.34	0.19	0.15	0.21	0.22	0.17	0.12	1.22
Net Evap	0.23	0.85	1.90	3.01	4.14	5.07	4.67	4.05	2.74	1.49	0.75	0.24	29.13
Wetlands Large					0.04	3.95	8.44	7.79	4.04	0.12			24.39
St Dev					0.04	0.75	0.56	0.35	1.46	0.34			2.40
Net ET						3.47	7.59	6.97	3.07				21.10
Wetlands Narrow					0.05	5.24	12.03	11.13	5.77	0.17			34.38
St Dev					0.04	1.04	0.82	0.50	2.09	0.48			3.43
Net ET						4.76	11.18	10.31	4.80				31.05
ETr	0.98	1.65	3.84	5.45	7.50	8.52	8.64	7.42	5.62	3.83	1.98	0.94	56.38
St Dev	0.27	0.31	0.52	0.56	0.61	0.69	0.39	0.34	0.43	0.48	0.37	0.24	2.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OAK CITY

Aridity Index: 52%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.38, Long: -112.33, Elev: 5081 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.60	34.84	43.19	49.99	59.77	70.58	78.97	76.83	66.90	54.15	39.93	30.21	52.91
St Dev	5.84	4.17	3.30	3.49	3.15	3.32	2.15	1.86	2.48	3.04	3.69	4.29	1.31
Precip (in)	1.29	1.22	1.64	1.61	1.54	0.77	0.50	0.70	1.03	1.68	1.25	1.22	14.46
St Dev	0.90	0.74	1.07	0.89	1.00	0.84	0.50	0.59	0.92	1.10	0.83	0.75	3.81
Aridity Adj. (F)	1.04	0.99	1.40	1.92	2.86	3.54	2.96	2.91	2.96	2.70	1.87	1.25	2.20
Est. Dewpoint (F)	25.78	26.07	26.11	29.09	35.30	42.11	49.78	48.12	39.97	34.13	26.32	23.83	33.88
Rs (langley/day)	197	323	395	534	600	699	658	621	518	374	242	196	446
Wind (mpd)	78	83	129	135	119	109	99	104	89	85	80	76	99
Calc. Wind Limit (mpd)	96	96	128	132	119	110	104	114	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)			0.09	3.43	6.62	7.85	7.62	7.65	5.44	1.02	0.02		39.76
St Dev			0.19	0.81	0.46	0.95	0.27	0.51	0.88	0.92	0.10		1.98
Net Irr				2.14	5.39	7.24	7.22	7.10	4.62				33.70
Alfalfa (Dairy)			0.09	3.43	6.05	7.02	7.63	7.17	4.71	1.20	0.01		37.31
St Dev			0.19	0.81	0.33	0.40	0.32	0.28	0.70	1.12	0.05		1.96
Net Irr				2.14	4.82	6.41	7.22	6.61	3.88				31.09
Barley			0.10	1.70	6.04	9.30	3.10						20.25
St Dev			0.13	0.51	1.07	0.52	1.81						0.61
Net Irr				0.41	4.81	8.69	2.69						16.61
Corn				0.01	1.37	4.87	9.64	6.48	0.60				22.97
St Dev				0.03	0.26	1.22	0.53	1.12	0.81				0.83
Net Irr					0.14	4.26	9.23	5.93					19.56
Other Hay			0.09	3.72	7.78	7.69	4.08	2.84	0.94				27.14
St Dev			0.20	0.84	0.57	0.83	0.29	0.16	0.26				1.24
Net Irr				2.43	6.55	7.07	3.67	2.29	0.12				22.13
Pasture			0.30	2.94	5.13	6.32	6.86	6.45	4.33	1.79	0.06		34.18
St Dev			0.25	0.48	0.37	0.39	0.25	0.24	0.26	0.65	0.14		1.53
Net Irr				1.65	3.90	5.71	6.46	5.90	3.50	0.44			27.56
Sorghum				0.02	1.78	5.94	9.01	8.54	1.68				26.97
St Dev				0.04	0.38	0.87	0.34	0.31	0.91				0.90
Net Irr					0.55	5.32	8.61	7.99	0.86				23.32
Spring Grain			0.10	1.63	5.79	9.45	4.36	0.04					21.37
St Dev			0.13	0.47	1.08	0.58	1.88	0.14					0.64
Net Irr				0.34	4.56	8.84	3.96						17.69
Winter Wheat		0.05	0.99	2.17	6.30	8.65	1.90						20.06
St Dev		0.06	0.19	0.55	1.17	0.81	1.49						0.62
Net Irr				0.88	5.07	8.04	1.50						15.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OAK CITY

Aridity Index: 52%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.38, Long: -112.33, Elev: 5081 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.07	2.02	4.25	7.62	6.97	1.47				22.39
St Dev				0.04	0.15	0.29	0.30	0.28	0.18				0.65
Net Irr					0.79	3.64	7.21	6.41	0.64				18.69
Turfgrass			0.45	2.71	4.42	5.58	6.06	5.70	3.94	1.93	0.07		30.86
St Dev			0.34	0.32	0.32	0.34	0.22	0.21	0.22	0.60	0.17		1.34
Net Irr				1.42	3.19	4.97	5.65	5.14	3.12	0.58			24.06
Open Water Deep	0.58	0.84	2.11	2.60	3.53	4.74	5.92	6.40	3.78	2.64	1.47	0.73	35.35
St Dev	0.13	0.17	0.31	0.39	0.40	0.49	0.39	0.35	0.31	0.33	0.24	0.16	1.62
Net Evap			0.79	1.31	2.30	4.13	5.52	5.85	2.95	1.30	0.47		24.60
Open Water Shallow	0.73	1.52	2.93	4.16	5.28	6.31	6.76	6.48	4.78	3.00	1.42	0.77	44.13
St Dev	0.12	0.21	0.26	0.36	0.31	0.32	0.21	0.19	0.21	0.24	0.18	0.14	1.20
Net Evap		0.54	1.61	2.87	4.05	5.69	6.35	5.92	3.95	1.65	0.42		33.06
Wetlands Large					1.04	6.87	10.54	9.97	6.67	1.98	0.03		37.10
St Dev					0.52	1.08	0.40	0.36	0.71	1.60	0.12		2.70
Net ET						6.26	10.14	9.41	5.85	0.63			32.28
Wetlands Narrow					1.28	9.57	15.05	14.24	9.53	2.82	0.04		52.55
St Dev					0.69	1.59	0.57	0.52	1.01	2.29	0.18		3.86
Net ET					0.05	8.96	14.65	13.68	8.71	1.48			47.53
ETr	0.71	1.64	4.04	5.71	7.57	9.30	10.09	9.49	6.57	3.99	1.87	0.85	61.83
St Dev	0.18	0.30	0.46	0.61	0.56	0.57	0.37	0.35	0.37	0.40	0.30	0.23	2.15

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OGDEN PIONEER P H

Aridity Index: 54%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.24, Long: -111.95, Elev: 4350 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.86	33.70	42.82	50.39	59.42	69.07	77.25	75.50	65.28	53.31	39.87	30.34	52.15
St Dev	4.57	4.22	3.64	3.66	3.09	2.98	2.77	2.09	2.81	2.97	3.40	3.59	1.43
Precip (in)	2.30	2.08	2.31	2.39	2.67	1.46	0.85	0.99	1.69	2.32	2.09	1.99	23.14
St Dev	1.12	1.15	1.34	1.48	1.80	1.28	0.78	0.91	1.66	1.67	1.25	1.59	5.76
Aridity Adj. (F)	1.08	1.03	1.46	2.00	2.97	3.67	3.08	3.02	3.08	2.81	1.94	1.30	2.29
Est. Dewpoint (F)	25.64	28.24	30.10	32.19	37.99	45.02	50.32	49.41	42.80	35.85	29.54	24.89	36.00
Rs (langley/day)	161	279	347	461	559	661	669	589	470	337	212	167	409
Wind (mpd)	68	75	98	110	106	95	88	92	87	84	78	70	88
Calc. Wind Limit (mpd)	96	96	96	105	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				2.38	5.77	6.89	7.22	6.96	5.04	1.80	0.11		36.17
St Dev				0.68	0.37	0.78	0.39	0.49	0.65	0.90	0.23		1.90
Net Irr				0.46	3.64	5.72	6.54	6.17	3.69				26.22
Alfalfa (Dairy)				2.38	5.25	6.25	7.22	6.51	4.33	1.96	0.08		33.97
St Dev				0.68	0.35	0.37	0.37	0.19	0.49	0.89	0.16		1.77
Net Irr				0.46	3.11	5.08	6.54	5.72	2.98	0.10			24.00
Apples / Cherries				1.32	5.38	8.52	9.91	8.79	5.01	2.18	0.01		41.11
St Dev				0.46	0.58	0.54	0.46	0.24	0.36	0.35	0.03		1.45
Net Irr					3.25	7.35	9.23	8.00	3.66	0.32			31.81
Barley			0.01	1.29	5.29	8.20	2.93						17.71
St Dev			0.02	0.45	0.89	0.51	1.52						0.48
Net Irr					3.15	7.03	2.25						12.43
Corn					0.92	3.55	8.91	6.43	0.94	0.01			20.76
St Dev					0.22	1.00	0.62	1.06	0.89	0.04			0.83
Net Irr						2.38	8.24	5.63					16.25
Melon					0.95	4.30	6.20	5.59	3.43	0.10			20.56
St Dev					0.28	0.56	0.29	0.15	0.46	0.20			0.87
Net Irr						3.14	5.52	4.80	2.08				15.53
Onion				0.11	3.06	6.25	9.50	8.30	2.51				29.75
St Dev				0.16	0.39	0.75	0.46	0.28	0.68				0.94
Net Irr					0.93	5.08	8.83	7.51	1.16				23.51
Other Hay				2.43	6.67	7.57	4.26	2.75	1.12	0.01			24.82
St Dev				0.67	0.51	0.56	0.44	0.13	0.20	0.03			1.06
Net Irr				0.52	4.53	6.40	3.59	1.96					17.00
Other Orchard				1.23	5.14	7.88	9.15	8.08	4.52	2.14	0.01		38.16
St Dev				0.42	0.56	0.49	0.43	0.23	0.32	0.33	0.03		1.35
Net Irr					3.01	6.71	8.47	7.29	3.17	0.29			28.94
Pasture			0.07	2.15	4.46	5.59	6.48	5.85	3.95	2.19	0.37		31.10
St Dev			0.09	0.42	0.32	0.34	0.30	0.16	0.24	0.34	0.33		1.34
Net Irr				0.24	2.32	4.42	5.80	5.05	2.60	0.33			20.76
Potato					1.28	4.68	7.26	4.78	0.41				18.42
St Dev					0.37	0.86	0.32	0.93	0.52				0.59
Net Irr						3.51	6.58	3.99					14.09
Sorghum					1.15	4.39	8.35	7.74	2.69				24.31
St Dev					0.27	0.73	0.44	0.21	0.76				0.80
Net Irr						3.22	7.68	6.95	1.34				19.18
Spring Grain			0.01	1.23	5.05	8.34	4.20	0.01					18.86
St Dev			0.02	0.42	0.90	0.52	1.60	0.06					0.50
Net Irr					2.92	7.17	3.53						13.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OGDEN PIONEER P H

Aridity Index: 54%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.24, Long: -111.95, Elev: 4350 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.71	1.95	5.74	7.38	1.51						17.30
St Dev			0.17	0.55	0.95	0.99	1.19						0.57
Net Irr				0.04	3.61	6.21	0.84						10.70
Garden				0.08	1.69	3.69	7.08	6.37	1.47				20.38
St Dev				0.11	0.22	0.45	0.51	0.35	0.46				0.65
Net Irr						2.52	6.40	5.58	0.12				14.63
Small Fruit					1.24	4.96	9.14	8.21	3.99	0.01			27.55
St Dev					0.32	0.74	0.52	0.24	0.71	0.05			1.02
Net Irr						3.79	8.46	7.42	2.64				22.31
Turfgrass			0.11	2.18	3.78	4.93	5.72	5.16	3.51	2.14	0.42		27.95
St Dev			0.14	0.32	0.28	0.30	0.27	0.14	0.21	0.27	0.35		1.16
Net Irr				0.27	1.65	3.76	5.04	4.37	2.16	0.28			17.53
Open Water Deep	0.57	0.67	1.41	2.09	2.80	3.78	5.10	5.52	3.37	2.58	1.38	0.73	30.00
St Dev	0.09	0.12	0.21	0.31	0.32	0.39	0.43	0.30	0.30	0.30	0.22	0.10	1.36
Net Evap				0.18	0.67	2.61	4.42	4.73	2.03	0.73			15.36
Open Water Shallow	0.63	1.26	2.50	3.69	4.89	5.88	6.69	6.10	4.34	2.74	1.24	0.68	40.63
St Dev	0.08	0.15	0.22	0.31	0.31	0.31	0.27	0.15	0.22	0.22	0.16	0.08	1.10
Net Evap			0.64	1.77	2.76	4.71	6.02	5.31	2.99	0.89			25.08
Wetlands Large					0.39	5.05	9.77	9.03	6.08	2.96	0.17		33.45
St Dev					0.30	0.86	0.52	0.25	0.51	1.14	0.34		2.38
Net ET						3.88	9.09	8.24	4.73	1.11			27.05
Wetlands Narrow					0.45	6.91	13.95	12.90	8.68	4.23	0.25		47.37
St Dev					0.37	1.27	0.75	0.36	0.73	1.63	0.48		3.39
Net ET						5.74	13.27	12.10	7.33	2.38			40.83
ETr	0.64	1.28	3.17	4.93	6.64	8.21	9.53	8.60	5.85	3.63	1.56	0.73	54.77
St Dev	0.11	0.19	0.33	0.49	0.49	0.51	0.44	0.24	0.34	0.34	0.25	0.12	1.78

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OGDEN SUGAR FACTORY

Aridity Index: 75%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.23, Long: -112.03, Elev: 4280 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.78	33.04	42.37	50.37	59.24	68.78	76.50	74.66	64.41	52.30	38.91	29.57	51.49
St Dev	5.53	4.78	3.42	3.49	2.91	3.01	3.12	2.30	2.84	2.60	3.63	3.78	1.72
Precip (in)	1.76	1.60	1.94	1.95	2.14	1.19	0.59	0.80	1.45	1.90	1.61	1.65	18.59
St Dev	1.27	1.19	1.19	1.28	1.51	1.20	0.55	0.83	1.55	1.45	0.89	1.32	5.66
Aridity Adj. (F)	1.50	1.43	2.03	2.78	4.13	5.10	4.28	4.20	4.28	3.90	2.70	1.80	3.18
Est. Dewpoint (F)	23.20	26.26	27.90	30.01	34.76	41.08	45.47	44.30	38.03	31.85	26.65	22.83	32.69
Rs (langley/day)	147	258	334	448	540	639	657	570	445	322	196	154	392
Wind (mpd)	71	78	102	113	109	99	92	95	89	87	81	70	90
Calc. Wind Limit (mpd)	96	96	96	107	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.92	5.94	6.64	7.57	7.49	4.81	1.09	0.03		35.49
St Dev				0.75	0.49	0.79	0.43	0.49	1.05	0.97	0.13		2.62
Net Irr				0.36	4.23	5.69	7.09	6.86	3.64				27.87
Alfalfa (Dairy)				1.92	5.47	6.36	7.41	6.71	4.17	1.04	0.01		33.10
St Dev				0.75	0.36	0.47	0.48	0.33	0.81	0.98	0.05		2.49
Net Irr				0.36	3.75	5.41	6.94	6.07	3.01				25.55
Apples / Cherries				0.96	5.02	8.51	10.22	9.19	5.38	2.32	0.02		41.62
St Dev				0.50	0.73	0.69	0.58	0.35	0.41	0.46	0.05		2.30
Net Irr					3.31	7.56	9.75	8.56	4.22	0.79			34.18
Barley				1.04	4.83	8.40	4.44	0.02					18.73
St Dev				0.44	1.11	0.63	1.82	0.08					0.60
Net Irr					3.11	7.45	3.97						14.53
Corn					0.74	3.10	8.83	7.63	2.32	0.13			22.75
St Dev					0.27	0.94	1.04	0.68	1.30	0.39			0.93
Net Irr						2.15	8.36	6.99	1.16				18.66
Melon					0.72	3.89	6.38	5.80	3.23	0.08			20.10
St Dev					0.32	0.74	0.37	0.24	0.67	0.20			1.63
Net Irr						2.94	5.91	5.16	2.07				16.08
Onion				0.03	2.77	5.82	9.72	8.73	2.94				30.01
St Dev				0.09	0.59	0.87	0.62	0.33	0.72				1.81
Net Irr					1.05	4.87	9.25	8.09	1.77				25.04
Other Hay				1.96	6.54	7.98	4.85	2.97	1.32	0.05			25.67
St Dev				0.75	0.69	0.58	0.61	0.14	0.18	0.09			1.25
Net Irr				0.39	4.83	7.03	4.38	2.33	0.16				19.12
Other Orchard				0.90	4.78	7.91	9.43	8.47	4.86	2.25	0.02		38.62
St Dev				0.46	0.72	0.62	0.53	0.32	0.37	0.45	0.05		2.15
Net Irr					3.07	6.95	8.96	7.83	3.69	0.73			31.23
Pasture			0.02	1.85	4.43	5.62	6.68	6.06	4.05	1.95	0.09		30.76
St Dev			0.04	0.55	0.42	0.42	0.38	0.25	0.31	0.51	0.19		1.92
Net Irr				0.29	2.72	4.67	6.21	5.43	2.89	0.42			22.63
Potato					1.03	4.19	7.50	5.65	1.39	0.08			19.83
St Dev					0.36	1.00	0.44	0.69	1.09	0.29			0.81
Net Irr						3.24	7.03	5.02	0.23				15.51
Sorghum					0.92	3.87	8.38	8.03	3.48				24.68
St Dev					0.33	0.83	0.68	0.33	0.87				1.25
Net Irr						2.92	7.91	7.39	2.32				20.53
Spring Grain				1.01	4.61	8.42	5.68	0.16					19.88
St Dev				0.42	1.10	0.68	1.73	0.30					0.60
Net Irr					2.89	7.47	5.21						15.57

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OGDEN SUGAR FACTORY

Aridity Index: 75%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.23, Long: -112.03, Elev: 4280 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.60	1.80	5.41	7.93	2.49	0.01					18.25
St Dev			0.19	0.45	1.19	0.65	1.62	0.04					0.57
Net Irr				0.24	3.70	6.97	2.02						12.93
Garden				0.02	1.52	3.44	6.96	6.88	1.86				20.68
St Dev				0.07	0.33	0.51	0.71	0.30	0.50				1.09
Net Irr						2.49	6.48	6.24	0.70				15.91
Small Fruit					0.97	4.41	9.11	8.60	4.10	0.04			27.23
St Dev					0.36	0.85	0.77	0.32	0.84	0.13			2.07
Net Irr						3.46	8.64	7.96	2.94				23.00
Turfgrass			0.03	2.01	3.72	4.96	5.89	5.35	3.64	2.03	0.12		27.76
St Dev			0.07	0.45	0.37	0.37	0.33	0.22	0.28	0.43	0.22		1.70
Net Irr				0.45	2.01	4.01	5.42	4.71	2.48	0.51			19.59
Open Water Deep	0.60	0.72	1.45	2.19	2.86	3.86	5.38	5.78	3.51	2.63	1.40	0.73	31.12
St Dev	0.12	0.13	0.24	0.35	0.35	0.44	0.53	0.40	0.36	0.33	0.23	0.11	2.01
Net Evap				0.63	1.15	2.91	4.91	5.14	2.35	1.11	0.12		18.31
Open Water Shallow	0.59	1.18	2.42	3.62	4.75	5.67	6.55	5.92	4.14	2.63	1.18	0.65	39.31
St Dev	0.11	0.15	0.26	0.34	0.34	0.35	0.31	0.20	0.26	0.25	0.16	0.10	1.60
Net Evap			0.87	2.05	3.03	4.72	6.08	5.28	2.98	1.11			26.14
Wetlands Large					0.17	4.26	9.74	9.36	6.15	1.93	0.05		31.66
St Dev					0.24	1.10	0.81	0.38	0.78	1.53	0.18		3.46
Net ET						3.30	9.27	8.73	4.99	0.41			26.69
Wetlands Narrow					0.20	5.72	13.88	13.38	8.79	2.76	0.06		44.78
St Dev					0.29	1.59	1.18	0.55	1.11	2.19	0.26		4.94
Net ET						4.77	13.41	12.74	7.63	1.23			39.78
ETr	0.70	1.31	3.25	5.06	6.71	8.27	9.82	8.92	6.06	3.81	1.66	0.79	56.37
St Dev	0.16	0.21	0.43	0.59	0.58	0.61	0.56	0.37	0.47	0.46	0.28	0.16	2.76

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OLMSTEAD P H

Aridity Index: 55%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.32, Long: -111.65, Elev: 4820 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.69	34.95	42.80	49.77	59.01	68.12	75.84	74.40	64.66	53.34	40.17	30.99	52.06
St Dev	4.93	4.20	3.62	3.56	3.14	2.84	2.41	2.25	2.60	3.08	3.30	3.40	1.57
Precip (in)	2.03	1.87	1.97	1.83	2.04	1.07	0.69	1.01	1.55	2.06	1.90	1.84	19.85
St Dev	1.29	1.11	1.20	1.09	1.53	1.20	0.60	0.78	1.57	1.35	1.09	1.25	5.12
Aridity Adj. (F)	1.10	1.05	1.49	2.04	3.03	3.74	3.14	3.08	3.14	2.86	1.98	1.32	2.33
Est. Dewpoint (F)	21.74	22.69	24.19	27.54	33.11	37.50	42.23	42.92	35.76	32.40	25.02	21.72	30.57
Rs (langley/day)	172	263	359	468	559	631	624	504	428	311	195	153	389
Wind (mpd)	67	67	102	109	104	92	81	84	76	76	75	67	83
Calc. Wind Limit (mpd)	96	96	99	110	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.58	5.50	5.96	7.18	6.46	3.43	0.67			30.79
St Dev				0.69	0.79	0.56	0.44	0.61	1.11	0.75			2.67
Net Irr				0.11	3.87	5.11	6.63	5.66	2.19				23.57
Alfalfa (Dairy)				1.58	5.32	5.92	6.51	5.66	3.36	0.59			28.94
St Dev				0.69	0.64	0.53	0.29	0.31	0.83	0.69			2.20
Net Irr				0.11	3.69	5.07	5.95	4.85	2.12				21.80
Apples / Cherries				0.51	4.31	7.87	9.08	7.85	4.84	1.62	0.03		36.11
St Dev				0.24	0.56	0.72	0.37	0.39	0.44	0.78	0.08		2.12
Net Irr					2.68	7.01	8.52	7.04	3.60				28.86
Barley				0.81	3.72	7.72	6.42	0.34					19.02
St Dev				0.34	1.06	0.84	1.31	0.47					0.75
Net Irr					2.09	6.87	5.87						14.83
Corn					0.62	2.34	7.03	7.16	3.50	0.48			21.13
St Dev					0.28	0.72	1.09	0.34	0.83	0.60			1.76
Net Irr						1.49	6.48	6.35	2.26				16.58
Other Hay				1.68	6.08	7.51	4.45	2.54	1.18	0.06			23.49
St Dev				0.73	0.77	0.63	0.61	0.14	0.18	0.08			1.32
Net Irr				0.21	4.45	6.66	3.89	1.74					16.95
Other Orchard				0.50	4.08	7.35	8.38	7.24	4.37	1.54	0.03		33.49
St Dev				0.23	0.54	0.65	0.34	0.36	0.40	0.75	0.08		1.98
Net Irr					2.44	6.49	7.82	6.44	3.14				26.34
Pasture			0.02	1.65	4.15	5.25	5.93	5.14	3.43	1.26	0.05		26.88
St Dev			0.05	0.53	0.48	0.44	0.24	0.26	0.40	0.69	0.12		1.93
Net Irr				0.18	2.52	4.40	5.38	4.33	2.20				19.00
Potato					0.85	3.17	6.50	5.45	2.71	0.36			19.04
St Dev					0.30	0.89	0.48	0.28	0.72	0.47			1.40
Net Irr						2.31	5.95	4.65	1.47				14.39
Safflower					1.23	7.25	8.73	7.47	4.02	0.83			29.53
St Dev					0.90	0.97	0.35	0.37	0.71	0.47			2.23
Net Irr						6.40	8.17	6.66	2.78				24.02
Sorghum					0.78	3.42	7.33	6.81	3.20				21.53
St Dev					0.35	0.82	0.56	0.34	0.77				1.37
Net Irr						2.56	6.78	6.00	1.96				17.31
Spring Grain				0.79	3.52	7.63	7.29	0.86					20.09
St Dev				0.32	1.01	0.90	0.99	0.79					0.79
Net Irr					1.89	6.77	6.73	0.06					15.45
Winter Wheat			0.59	1.39	3.87	7.65	5.09	0.23					18.80
St Dev			0.18	0.30	1.22	0.88	1.70	0.31					0.70
Net Irr					2.23	6.79	4.54						13.56

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OLMSTEAD P H

Aridity Index: 55%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.32, Long: -111.65, Elev: 4820 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.34	3.06	5.99	5.95	1.71				18.04
St Dev					0.34	0.48	0.59	0.25	0.48				1.24
Net Irr						2.21	5.43	5.14	0.47				13.25
Small Fruit					0.83	3.92	7.96	7.30	3.40	0.04			23.45
St Dev					0.36	0.87	0.64	0.33	1.00	0.15			2.38
Net Irr						3.06	7.41	6.50	2.16				19.13
Turfgrass			0.03	1.82	3.48	4.63	5.24	4.54	3.15	1.34	0.06		24.29
St Dev			0.09	0.44	0.42	0.39	0.21	0.23	0.30	0.66	0.14		1.71
Net Irr				0.35	1.85	3.78	4.68	3.73	1.91				16.30
Open Water Deep	0.56	0.63	1.35	1.79	2.39	3.25	4.15	4.32	2.66	1.94	1.17	0.58	24.80
St Dev	0.08	0.11	0.25	0.31	0.33	0.38	0.32	0.28	0.25	0.28	0.20	0.09	1.59
Net Evap				0.32	0.75	2.39	3.60	3.52	1.43	0.29			12.30
Open Water Shallow	0.67	1.19	2.43	3.45	4.60	5.36	5.98	5.12	3.80	2.38	1.11	0.59	36.68
St Dev	0.08	0.15	0.29	0.36	0.39	0.37	0.21	0.20	0.23	0.27	0.16	0.09	1.66
Net Evap			0.85	1.98	2.96	4.51	5.43	4.31	2.56	0.73			23.33
Wetlands Large					0.13	3.65	8.48	7.94	5.06	1.06			26.31
St Dev					0.21	1.19	0.74	0.40	0.93	1.09			3.10
Net ET						2.79	7.93	7.14	3.82				21.68
Wetlands Narrow					0.15	4.88	12.07	11.34	7.22	1.51			37.17
St Dev					0.25	1.70	1.10	0.57	1.33	1.56			4.43
Net ET						4.02	11.52	10.54	5.98				32.07
ETr	0.75	1.34	3.20	4.63	6.31	7.72	8.73	7.56	5.31	3.20	1.51	0.68	50.94
St Dev	0.12	0.20	0.48	0.61	0.64	0.65	0.35	0.38	0.38	0.46	0.28	0.15	2.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ORDERVILLE

Aridity Index: 42%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.27, Long: -112.64, Elev: 5460 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	33.67	37.58	43.01	49.54	58.09	67.35	73.47	71.72	64.50	53.38	41.68	34.16	52.34
St Dev	3.51	3.02	3.50	3.17	2.92	2.43	1.98	2.08	2.08	2.64	2.92	3.29	1.22
Precip (in)	1.84	2.00	1.92	1.00	0.76	0.55	1.10	1.55	1.08	1.40	1.33	1.36	15.88
St Dev	2.07	1.64	1.67	0.94	0.69	0.51	0.99	1.10	1.06	1.25	1.16	1.16	4.83
Aridity Adj. (F)	0.84	0.80	1.13	1.55	2.31	2.86	2.39	2.35	2.39	2.18	1.51	1.01	1.78
Est. Dewpoint (F)	25.00	24.92	23.62	24.68	30.61	34.96	43.72	44.83	37.90	31.46	23.28	22.61	30.63
Rs (langley/day)	258	323	429	546	606	683	537	532	481	367	248	224	436
Wind (mpd)	105	108	139	156	138	130	105	110	110	112	109	102	119
Calc. Wind Limit (mpd)	96	96	132	132	132	128	96	99	96	101	96	96	108
.....Inches.....													
Alfalfa (Beef)			0.06	3.92	7.39	8.10	6.77	6.81	4.71	0.51			38.28
St Dev			0.05	0.82	0.75	1.04	0.49	0.68	1.40	0.73			3.38
Net Irr				3.11	6.78	7.66	5.90	5.57	3.85				32.87
Alfalfa (Dairy)			0.06	3.92	6.79	7.64	6.64	6.12	4.12	0.47			35.75
St Dev			0.05	0.82	0.59	0.54	0.50	0.46	1.18	0.59			2.94
Net Irr				3.11	6.18	7.20	5.76	4.88	3.25				30.39
Barley			0.04	1.68	5.92	10.20	5.08	0.09					23.01
St Dev			0.02	0.46	1.32	0.76	1.59	0.17					1.14
Net Irr				0.87	5.31	9.77	4.21						20.16
Other Hay			0.06	4.37	8.46	7.99	3.51	2.41	0.84				27.63
St Dev			0.04	0.82	0.98	0.64	0.29	0.17	0.17				1.89
Net Irr				3.57	7.85	7.55	2.63	1.17					22.77
Pasture			0.05	2.84	5.51	6.79	6.02	5.54	4.10	1.25	0.02		32.11
St Dev			0.02	0.35	0.62	0.49	0.43	0.40	0.48	0.89	0.08		2.35
Net Irr				2.03	4.90	6.35	5.14	4.31	3.23	0.14			26.10
Potato					1.07	4.35	6.72	5.83	3.20	0.29			21.47
St Dev					0.15	0.84	0.51	0.36	0.88	0.44			1.29
Net Irr					0.46	3.92	5.85	4.60	2.34				17.16
Spring Grain			0.04	1.62	5.62	10.19	6.24	0.37					24.07
St Dev			0.02	0.43	1.28	0.81	1.31	0.42					1.19
Net Irr				0.81	5.01	9.75	5.36						20.94

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ORDERVILLE

Aridity Index: 42%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.27, Long: -112.64, Elev: 5460 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.33	3.52	5.60	6.62	2.39				19.46
St Dev					0.17	0.25	0.41	0.50	0.90				1.64
Net Irr					0.72	3.09	4.72	5.38	1.52				15.44
Turfgrass			0.09	2.88	4.68	5.99	5.31	4.90	3.85	1.42	0.03		29.15
St Dev			0.04	0.35	0.53	0.44	0.38	0.35	0.35	0.90	0.11		2.10
Net Irr				2.08	4.07	5.55	4.43	3.66	2.99	0.30			23.09
Open Water Deep	1.03	1.18	2.15	2.71	3.83	5.27	4.67	4.70	3.52	3.03	2.00	1.24	35.33
St Dev	0.25	0.24	0.44	0.40	0.53	0.50	0.42	0.43	0.31	0.40	0.30	0.23	2.44
Net Evap			0.61	1.91	3.22	4.83	3.79	3.46	2.66	1.91	0.94	0.16	23.49
Open Water Shallow	1.16	1.69	3.10	4.24	5.29	6.15	5.49	5.36	4.40	3.02	1.65	1.10	42.65
St Dev	0.22	0.25	0.43	0.37	0.43	0.32	0.28	0.28	0.25	0.29	0.19	0.17	1.92
Net Evap		0.10	1.56	3.44	4.68	5.71	4.62	4.12	3.53	1.90	0.59	0.02	30.26
Wetlands Large					0.73	6.73	9.20	8.57	6.18	0.92			32.34
St Dev					0.25	0.78	0.69	0.61	1.21	1.12			3.02
Net ET					0.12	6.30	8.32	7.33	5.32				27.39
Wetlands Narrow					0.86	9.31	13.14	12.24	8.83	1.32			45.70
St Dev					0.30	1.14	0.99	0.87	1.72	1.60			4.30
Net ET					0.25	8.87	12.26	11.01	7.97	0.20			40.56
ETr	1.53	2.25	4.53	6.26	8.17	9.98	8.85	8.16	6.50	4.67	2.77	1.71	65.38
St Dev	0.47	0.50	0.85	0.75	0.91	0.73	0.64	0.58	0.48	0.65	0.46	0.40	4.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OREM TRTMT PLT

Aridity Index: 41%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.28, Long: -111.74, Elev: 4510 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.86	33.93	44.00	51.70	61.32	70.50	77.45	75.53	65.27	52.97	39.98	30.54	52.67
St Dev	6.50	5.46	3.58	3.04	3.33	3.16	2.75	2.63	2.68	2.29	3.59	4.05	2.14
Precip (in)	1.28	1.17	1.21	1.24	1.26	0.69	0.50	0.68	0.97	1.30	1.04	1.10	12.44
St Dev	1.07	0.82	0.86	0.96	1.08	0.68	0.38	0.54	0.71	0.80	0.60	0.82	3.55
Aridity Adj. (F)	0.82	0.78	1.11	1.52	2.26	2.79	2.34	2.30	2.34	2.13	1.48	0.98	1.74
Est. Dewpoint (F)	21.07	22.58	26.55	30.74	37.11	41.59	45.85	45.58	38.25	33.67	26.74	23.21	32.75
Rs (langley/day)	165	263	357	463	566	633	613	493	424	307	197	153	386
Wind (mpd)	69	68	107	112	106	94	84	85	78	75	76	69	85
Calc. Wind Limit (mpd)	96	96	100	108	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.65	5.70	6.27	6.82	6.44	4.07	1.03	0.01		31.99
St Dev				0.69	0.59	0.66	0.39	0.51	0.79	0.71	0.05		2.11
Net Irr				0.66	4.70	5.72	6.42	5.90	3.29				26.68
Alfalfa (Dairy)				1.65	5.35	6.11	6.57	5.63	3.71	0.97	0.01		30.00
St Dev				0.69	0.46	0.47	0.37	0.23	0.54	0.73	0.02		1.96
Net Irr				0.66	4.35	5.56	6.16	5.09	2.93				24.75
Apples / Cherries				0.84	4.78	8.17	9.08	7.75	4.68	1.73	0.03		37.06
St Dev				0.47	0.73	0.67	0.44	0.27	0.40	0.60	0.07		1.93
Net Irr					3.77	7.62	8.68	7.21	3.90	0.69			31.87
Barley				0.86	4.33	8.05	4.64	0.06					17.93
St Dev				0.35	1.02	0.65	1.75	0.16					0.91
Net Irr					3.32	7.50	4.24						15.06
Corn					0.70	2.80	7.64	6.59	2.75	0.37			20.87
St Dev					0.23	0.87	0.93	0.88	1.30	0.50			1.37
Net Irr						2.25	7.24	6.05	1.97				17.52
Melon					0.68	3.73	5.67	4.89	3.06	0.17			18.20
St Dev					0.28	0.68	0.29	0.18	0.52	0.25			1.26
Net Irr						3.18	5.27	4.34	2.28				15.07
Other Hay				1.70	6.23	7.74	4.43	2.53	1.17	0.06			23.86
St Dev				0.72	0.67	0.61	0.59	0.13	0.19	0.08			1.16
Net Irr				0.70	5.23	7.19	4.03	1.98	0.39				19.53
Other Orchard				0.79	4.55	7.60	8.38	7.14	4.23	1.67	0.03		34.38
St Dev				0.43	0.71	0.60	0.41	0.25	0.37	0.58	0.07		1.81
Net Irr					3.54	7.05	7.98	6.60	3.45	0.63			29.24
Pasture			0.02	1.64	4.25	5.41	5.94	5.11	3.48	1.46	0.11		27.41
St Dev			0.05	0.52	0.41	0.39	0.29	0.19	0.26	0.56	0.18		1.58
Net Irr				0.64	3.24	4.86	5.53	4.57	2.70	0.42			21.97
Potato					0.97	3.93	6.67	4.95	1.87	0.18			18.56
St Dev					0.31	0.94	0.36	0.73	1.08	0.34			1.09
Net Irr						3.37	6.26	4.41	1.09				15.14
Safflower					1.44	7.64	8.73	7.45	4.11	0.88			30.25
St Dev					0.84	0.82	0.43	0.27	0.49	0.38			1.71
Net Irr					0.44	7.09	8.33	6.91	3.33				26.09
Sorghum					0.87	3.70	7.44	6.77	3.03				21.82
St Dev					0.29	0.75	0.55	0.25	0.76				1.05
Net Irr						3.15	7.04	6.22	2.25				18.67
Spring Grain				0.83	4.10	8.05	5.78	0.27					19.04
St Dev				0.33	0.98	0.69	1.59	0.36					0.92
Net Irr					3.10	7.50	5.38						15.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OREM TRTMT PLT

Aridity Index: 41%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.28, Long: -111.74, Elev: 4510 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.55	1.49	4.66	7.80	3.10	0.04					17.63
St Dev			0.19	0.30	1.13	0.76	1.69	0.11					0.91
Net Irr				0.49	3.65	7.25	2.70						14.09
Garden				0.02	1.43	3.25	6.12	5.84	1.75				18.41
St Dev				0.05	0.31	0.47	0.61	0.27	0.52				0.86
Net Irr					0.42	2.70	5.71	5.30	0.97				15.10
Small Fruit					0.92	4.20	8.08	7.27	3.86	0.08			24.42
St Dev					0.32	0.80	0.64	0.26	0.72	0.19			1.55
Net Irr						3.65	7.68	6.73	3.08				21.14
Turfgrass			0.03	1.80	3.56	4.77	5.24	4.51	3.15	1.50	0.13		24.70
St Dev			0.08	0.43	0.36	0.35	0.26	0.17	0.22	0.51	0.21		1.39
Net Irr				0.81	2.56	4.22	4.84	3.97	2.37	0.46			19.22
Open Water Deep	0.50	0.59	1.37	1.83	2.52	3.60	4.44	4.56	2.74	1.85	1.11	0.52	25.63
St Dev	0.09	0.11	0.23	0.27	0.32	0.40	0.38	0.30	0.23	0.23	0.19	0.09	1.44
Net Evap			0.40	0.83	1.51	3.05	4.04	4.02	1.96	0.81	0.28		16.90
Open Water Shallow	0.58	1.14	2.45	3.52	4.79	5.57	6.05	5.15	3.82	2.33	1.07	0.53	37.00
St Dev	0.09	0.17	0.26	0.33	0.34	0.34	0.26	0.15	0.23	0.25	0.17	0.09	1.32
Net Evap		0.21	1.49	2.52	3.78	5.02	5.65	4.60	3.04	1.29	0.24		27.84
Wetlands Large					0.17	4.14	8.68	7.89	5.37	1.65	0.02		27.92
St Dev					0.22	1.03	0.71	0.29	0.55	1.10	0.06		2.66
Net ET						3.59	8.28	7.35	4.59	0.61			24.42
Wetlands Narrow					0.20	5.57	12.38	11.28	7.67	2.36	0.02		39.47
St Dev					0.26	1.48	1.04	0.42	0.78	1.58	0.09		3.79
Net ET						5.02	11.97	10.73	6.89	1.32			35.93
ETr	0.61	1.24	3.16	4.66	6.46	7.96	8.73	7.52	5.25	3.05	1.36	0.52	50.50
St Dev	0.13	0.21	0.40	0.53	0.55	0.57	0.43	0.28	0.37	0.41	0.27	0.14	2.18

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OURAY 4 NE

Aridity Index: 37%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.13, Long: -109.64, Elev: 4670 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	16.10	24.03	39.98	50.26	60.07	69.38	75.83	73.19	63.14	50.16	34.31	20.63	48.09
St Dev	8.53	8.42	4.32	3.29	2.27	2.43	2.08	1.89	2.13	2.11	3.34	5.61	2.07
Precip (in)	0.41	0.34	0.57	0.72	0.75	0.43	0.65	0.68	0.78	1.02	0.48	0.41	7.23
St Dev	0.41	0.24	0.46	0.46	0.54	0.37	0.55	0.52	0.69	0.82	0.36	0.45	1.94
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	7.02	12.79	20.42	23.59	31.58	35.66	41.43	41.76	33.29	27.34	17.31	9.36	25.13
Rs (langleys/day)	207	304	417	523	598	664	633	556	467	338	231	176	426
Wind (mpd)	37	46	92	115	102	93	71	66	63	59	52	39	70
Calc. Wind Limit (mpd)	96	96	96	118	111	98	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)			0.01	2.66	6.93	7.76	7.04	6.48	4.23	0.33			35.43
St Dev			0.04	1.28	0.48	0.93	0.29	0.54	1.06	0.44			2.55
Net Irr				2.08	6.33	7.42	6.52	5.93	3.60				31.90
Alfalfa (Dairy)			0.01	2.66	6.36	7.19	7.05	5.95	3.70	0.30			33.21
St Dev			0.04	1.28	0.36	0.44	0.37	0.26	0.91	0.42			2.20
Net Irr				2.08	5.76	6.84	6.53	5.41	3.08				29.70
Barley			0.02	1.38	5.94	9.48	3.41						20.23
St Dev			0.05	0.66	1.30	0.52	1.60						0.75
Net Irr				0.80	5.34	9.14	2.89						18.17
Corn					1.16	4.64	8.82	6.43	1.55	0.01			22.61
St Dev					0.43	1.33	0.64	0.67	0.96	0.05			1.09
Net Irr					0.57	4.29	8.31	5.88	0.93				19.98
Other Hay			0.01	2.74	7.79	8.82	4.56	2.59	1.14	0.06			27.70
St Dev			0.04	1.35	0.87	0.87	0.95	0.22	0.29	0.11			1.28
Net Irr				2.16	7.19	8.47	4.05	2.05	0.52				24.43
Pasture			0.07	2.37	5.24	6.39	6.32	5.35	3.49	0.87			30.09
St Dev			0.11	0.93	0.49	0.40	0.29	0.20	0.58	0.62			2.12
Net Irr				1.79	4.64	6.05	5.81	4.80	2.87	0.05			26.01
Sorghum					1.44	5.12	8.11	7.10	2.43				24.20
St Dev					0.54	1.13	0.55	0.27	1.12				1.23
Net Irr					0.85	4.78	7.59	6.55	1.81				21.58
Spring Grain			0.02	1.33	5.67	9.57	4.68	0.06					21.33
St Dev			0.05	0.63	1.30	0.58	1.65	0.12					0.77
Net Irr				0.75	5.07	9.23	4.17						19.22

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OURAY 4 NE

Aridity Index: 37%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.13, Long: -109.64, Elev: 4670 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.14	1.97	4.18	6.82	5.82	1.41				20.35
St Dev				0.15	0.43	0.64	0.72	0.42	0.62				1.05
Net Irr					1.37	3.84	6.30	5.28	0.79				17.58
Turfgrass			0.11	2.49	4.44	5.63	5.58	4.73	3.29	1.00			27.27
St Dev			0.18	0.76	0.42	0.35	0.25	0.18	0.40	0.66			1.86
Net Irr				1.91	3.84	5.29	5.06	4.19	2.67	0.18			23.14
Open Water Deep	0.27	0.39	1.55	2.85	3.60	4.61	4.56	4.05	2.68	1.83	0.90	0.37	27.67
St Dev	0.09	0.12	0.28	0.39	0.34	0.42	0.32	0.22	0.19	0.18	0.14	0.09	1.42
Net Evap		0.12	1.09	2.28	3.00	4.27	4.04	3.51	2.06	1.01	0.52	0.04	21.94
Open Water Shallow	0.62	1.14	2.82	4.23	5.35	6.05	6.27	5.55	4.16	2.59	1.23	0.62	40.64
St Dev	0.16	0.24	0.33	0.35	0.31	0.29	0.23	0.17	0.19	0.20	0.17	0.13	1.34
Net Evap	0.29	0.87	2.36	3.65	4.76	5.71	5.75	5.01	3.53	1.78	0.85	0.29	34.85
Wetlands Large					0.63	5.94	9.51	8.28	5.42	0.62			30.39
St Dev					0.52	1.37	0.63	0.31	0.93	0.73			2.93
Net ET					0.03	5.60	8.99	7.74	4.79				27.15
Wetlands Narrow					0.76	8.16	13.57	11.83	7.74	0.88			42.94
St Dev					0.65	2.03	0.91	0.44	1.33	1.04			4.18
Net ET					0.16	7.82	13.06	11.28	7.12	0.07			39.50
ETr	0.66	1.24	3.85	6.32	8.01	9.40	9.30	7.88	5.72	3.52	1.56	0.72	58.18
St Dev	0.17	0.28	0.55	0.65	0.59	0.58	0.42	0.29	0.32	0.36	0.26	0.16	2.35

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PANGUITCH

Aridity Index: 48%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 37.82, Long: -112.44, Elev: 6630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.15	29.72	36.95	43.52	52.13	60.60	66.88	64.70	57.04	46.49	34.69	25.93	45.32
St Dev	4.21	3.33	3.21	3.22	3.03	2.86	2.38	2.05	2.17	2.54	3.33	3.56	1.52
Precip (in)	0.63	0.68	0.65	0.58	0.70	0.49	1.07	1.67	0.92	1.00	0.68	0.52	9.58
St Dev	0.64	0.60	0.56	0.50	0.59	0.54	0.65	1.26	1.00	0.86	0.65	0.47	2.52
Aridity Adj. (F)	0.96	0.91	1.30	1.78	2.64	3.26	2.74	2.69	2.74	2.50	1.73	1.15	2.03
Est. Dewpoint (F)	17.29	17.19	17.35	18.29	23.93	28.68	36.98	37.77	29.24	23.05	16.70	14.23	23.39
Rs (langley/day)	253	333	453	556	601	722	545	534	467	375	255	201	441
Wind (mpd)	125	137	168	189	161	135	108	108	119	134	127	130	137
Calc. Wind Limit (mpd)	96	96	132	132	132	128	96	96	96	96	96	96	108
.....Inches.....													
Alfalfa (Beef)					4.90	8.48	7.12	5.08	1.78	0.01			27.37
St Dev					0.66	0.48	1.06	1.25	1.53	0.08			3.37
Net Irr					4.34	8.09	6.27	3.75	1.04				23.49
Alfalfa (Dairy)					4.90	7.60	6.57	5.47	1.66	0.01			26.21
St Dev					0.66	0.47	0.35	1.08	1.57	0.08			2.72
Net Irr					4.34	7.21	5.72	4.13	0.92				22.32
Other Hay					5.21	10.04	7.26	3.07	1.18	0.04			26.80
St Dev					0.53	0.70	0.40	0.18	0.58	0.10			1.44
Net Irr					4.66	9.65	6.41	1.73	0.44				22.89
Pasture					3.25	6.50	5.89	5.18	2.18	0.07			23.07
St Dev					0.33	0.45	0.31	0.39	1.25	0.20			1.85
Net Irr					2.69	6.11	5.03	3.85	1.44				19.13
Spring Grain					2.12	7.49	8.84	4.76	0.25				23.45
St Dev					0.46	1.23	0.42	1.52	0.31				1.07
Net Irr					1.56	7.09	7.99	3.43					20.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PANGUITCH

Aridity Index: 48%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 37.82, Long: -112.44, Elev: 6630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.95	3.30	5.13	1.10				11.48
St Dev						0.14	0.18	0.46	1.14				1.51
Net Irr						1.56	2.45	3.80	0.36				8.16
Turfgrass					3.42	5.49	5.19	4.65	2.26	0.10			21.10
St Dev					0.34	0.38	0.28	0.29	1.17	0.26			1.66
Net Irr					2.86	5.10	4.34	3.31	1.52				17.13
Open Water Deep	0.83	1.00	1.95	2.44	3.46	4.48	4.09	3.95	3.08	2.57	1.71	1.05	30.62
St Dev	0.17	0.18	0.33	0.34	0.44	0.47	0.35	0.28	0.25	0.30	0.28	0.19	1.82
Net Evap	0.33	0.46	1.42	1.97	2.90	4.09	3.24	2.61	2.34	1.78	1.17	0.64	22.96
Open Water Shallow	1.00	1.56	3.03	4.06	5.01	6.03	5.27	5.05	4.03	2.84	1.52	0.93	40.34
St Dev	0.15	0.20	0.33	0.34	0.34	0.30	0.21	0.19	0.21	0.24	0.20	0.14	1.27
Net Evap	0.49	1.02	2.51	3.59	4.45	5.64	4.42	3.72	3.29	2.05	0.98	0.52	32.68
Wetlands Large						2.39	7.40	7.77	2.66	0.04			20.26
St Dev						0.17	0.41	1.42	2.12	0.26			3.17
Net ET						2.00	6.54	6.44	1.92				16.90
Wetlands Narrow						3.04	10.42	11.10	3.80	0.06			28.43
St Dev						0.21	0.59	2.02	3.02	0.38			4.52
Net ET						2.65	9.57	9.77	3.07				25.05
ETr	1.34	2.07	4.32	5.98	7.85	9.69	8.66	7.82	6.34	4.54	2.57	1.58	62.77
St Dev	0.31	0.38	0.67	0.66	0.71	0.67	0.46	0.42	0.46	0.55	0.47	0.34	2.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PARK VALLEY

Aridity Index: 16%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.8, Long: -113.35, Elev: 5440 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.98	28.91	36.45	44.04	53.41	61.41	70.83	69.11	59.36	48.16	35.04	26.82	46.54
St Dev	4.68	4.14	3.38	3.28	3.18	3.14	3.26	2.53	2.61	2.74	3.83	4.03	1.60
Precip (in)	0.93	0.76	0.90	1.11	1.59	0.97	0.99	0.85	0.76	0.95	0.73	0.88	11.42
St Dev	0.66	0.48	0.72	0.71	1.23	0.72	0.75	0.77	0.74	0.81	0.43	0.71	3.21
Aridity Adj. (F)	0.32	0.30	0.43	0.59	0.88	1.09	0.91	0.90	0.91	0.83	0.58	0.38	0.68
Est. Dewpoint (F)	19.22	21.64	22.41	25.68	32.69	38.46	43.23	41.59	35.97	31.22	23.96	19.54	29.63
Rs (langley/day)	202	273	385	490	585	643	592	553	432	316	207	155	403
Wind (mpd)	98	79	111	163	146	127	133	129	123	112	117	81	118
Calc. Wind Limit (mpd)	102	110	132	132	132	118	108	109	96	103	97	97	111
.....Inches.....													
Alfalfa (Beef)				0.58	4.40	6.08	7.20	5.68	2.35	0.05			26.33
St Dev				0.31	0.95	0.44	0.96	0.79	1.23	0.15			2.88
Net Irr					3.13	5.31	6.40	5.00	1.74				21.58
Alfalfa (Dairy)				0.58	4.40	5.55	6.45	5.74	2.01	0.04			24.77
St Dev				0.31	0.95	0.46	0.55	0.71	1.26	0.14			2.59
Net Irr					3.13	4.77	5.66	5.06	1.41				20.03
Barley				0.29	2.07	5.91	8.52	3.29	0.03				20.12
St Dev				0.11	0.65	1.19	0.75	1.54	0.11				1.30
Net Irr					0.80	5.14	7.72	2.61					16.28
Other Hay				0.60	5.09	7.25	5.54	2.89	1.14	0.07			22.58
St Dev				0.33	0.99	0.77	0.68	0.18	0.28	0.11			1.82
Net Irr					3.82	6.48	4.74	2.21	0.54				17.78
Pasture				0.48	3.40	4.79	5.80	5.33	2.51	0.25			22.57
St Dev				0.13	0.55	0.52	0.52	0.37	0.81	0.45			2.01
Net Irr					2.12	4.01	5.01	4.66	1.90				17.71
Safflower					0.08	5.00	8.53	7.61	2.58	0.19			24.00
St Dev					0.04	0.86	0.76	0.56	1.15	0.38			2.60
Net Irr						4.22	7.74	6.93	1.98				20.87
Spring Grain				0.29	1.98	5.68	8.65	4.47	0.20				21.27
St Dev				0.11	0.61	1.21	0.73	1.47	0.31				1.33
Net Irr					0.71	4.90	7.85	3.80					17.26
Winter Wheat			0.05	1.01	2.05	5.44	8.29	2.73	0.06				19.63
St Dev			0.02	0.16	0.59	1.38	0.90	1.49	0.14				1.25
Net Irr				0.13	0.77	4.66	7.50	2.05					15.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PARK VALLEY

Aridity Index: 16%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.8, Long: -113.35, Elev: 5440 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.12	1.90	3.92	5.63	1.33	0.01			12.92
St Dev					0.04	0.20	0.35	0.86	1.23	0.04			1.87
Net Irr						1.13	3.13	4.95	0.73				9.94
Turfgrass				0.71	2.92	4.19	5.12	4.74	2.51	0.30	0.01		20.48
St Dev				0.19	0.45	0.46	0.46	0.34	0.67	0.49	0.03		1.77
Net Irr					1.64	3.42	4.33	4.06	1.90				15.35
Open Water Deep	0.43	0.33	0.85	1.43	2.26	2.76	4.19	4.48	2.48	1.94	0.98	0.45	22.58
St Dev	0.10	0.09	0.22	0.27	0.44	0.42	0.54	0.41	0.29	0.27	0.20	0.07	2.02
Net Evap			0.12	0.54	0.99	1.98	3.40	3.80	1.88	1.18	0.39		14.28
Open Water Shallow	0.50	0.89	2.08	3.18	4.44	5.06	5.58	5.26	3.56	2.17	0.89	0.42	34.04
St Dev	0.09	0.14	0.31	0.35	0.50	0.42	0.38	0.29	0.27	0.22	0.15	0.06	2.03
Net Evap		0.28	1.36	2.29	3.17	4.28	4.79	4.58	2.95	1.40	0.31		25.43
Wetlands Large						2.00	7.40	8.15	3.24	0.14			20.92
St Dev						0.74	1.16	0.84	1.63	0.47			3.26
Net ET						1.22	6.61	7.47	2.63				17.93
Wetlands Narrow						2.57	10.44	11.64	4.62	0.20			29.48
St Dev						0.99	1.70	1.19	2.33	0.67			4.65
Net ET						1.80	9.65	10.96	4.02				26.43
ETr	0.38	0.81	2.43	4.02	5.93	7.05	8.53	7.89	5.10	3.02	1.12	0.42	46.70
St Dev	0.17	0.21	0.51	0.58	0.89	0.76	0.76	0.56	0.51	0.44	0.29	0.13	3.81

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PAROWAN PWR

Aridity Index: 50%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.85, Long: -112.83, Elev: 6000 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.48	32.43	39.26	45.90	55.20	64.76	71.40	69.25	61.20	49.86	37.48	29.38	48.72
St Dev	4.35	3.51	3.52	3.44	3.07	2.85	1.98	2.00	2.49	3.37	3.04	3.62	1.44
Precip (in)	1.00	1.19	1.31	1.25	0.95	0.55	1.11	1.45	0.95	1.42	1.08	0.99	13.25
St Dev	0.78	0.68	0.83	0.79	0.73	0.74	0.95	0.90	0.80	0.99	0.77	0.77	3.36
Aridity Adj. (F)	1.00	0.95	1.35	1.85	2.75	3.40	2.85	2.80	2.85	2.60	1.80	1.20	2.12
Est. Dewpoint (F)	20.59	20.43	20.76	22.46	28.99	33.49	42.35	41.75	33.09	27.46	19.31	18.16	27.40
Rs (langley/day)	203	286	379	494	592	687	548	530	433	307	207	158	402
Wind (mpd)	84	86	122	157	131	129	96	107	110	106	95	82	109
Calc. Wind Limit (mpd)	96	96	120	132	131	131	96	104	107	99	96	96	109
.....Inches.....													
Alfalfa (Beef)				1.92	6.29	7.16	7.03	6.78	3.07	0.35			32.59
St Dev				0.65	0.90	0.53	0.52	0.83	1.46	0.70			2.79
Net Irr				0.92	5.53	6.72	6.14	5.62	2.31				27.24
Alfalfa (Dairy)				1.92	6.25	7.04	6.27	5.89	3.22	0.34			30.94
St Dev				0.65	0.86	0.58	0.35	0.38	1.25	0.77			2.57
Net Irr				0.92	5.49	6.60	5.38	4.73	2.46				25.58
Barley				0.88	3.77	8.96	7.28	1.00					21.89
St Dev				0.24	0.95	1.10	0.89	1.07					1.10
Net Irr					3.01	8.52	6.39						17.92
Corn					0.46	2.45	6.37	7.77	3.95	0.33			21.33
St Dev					0.10	0.50	0.93	0.42	1.48	0.63			2.23
Net Irr						2.00	5.48	6.62	3.19				17.29
Other Hay				2.12	7.13	8.85	4.09	2.63	1.27	0.02			26.12
St Dev				0.75	0.87	0.67	0.48	0.16	0.21	0.05			1.60
Net Irr				1.12	6.37	8.41	3.20	1.47	0.51				21.09
Pasture				1.67	4.77	6.25	5.72	5.38	3.54	0.63			27.96
St Dev				0.32	0.51	0.49	0.31	0.33	0.77	0.79			2.14
Net Irr				0.67	4.02	5.81	4.83	4.22	2.78				22.32
Spring Grain				0.87	3.57	8.78	7.85	1.92	0.02				23.00
St Dev				0.23	0.90	1.16	0.68	1.29	0.08				1.11
Net Irr					2.81	8.34	6.96	0.76					18.87

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PAROWAN PWR

Aridity Index: 50%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 37.85, Long: -112.83, Elev: 6000 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.60	2.71	4.43	6.34	2.50	0.03			16.61
St Dev					0.09	0.21	0.25	0.45	1.10	0.11			1.47
Net Irr						2.27	3.54	5.18	1.74				12.72
Turfgrass				1.93	3.97	5.52	5.04	4.77	3.47	0.73			25.43
St Dev				0.32	0.43	0.43	0.27	0.29	0.57	0.85			1.90
Net Irr				0.93	3.21	5.07	4.15	3.61	2.71				19.69
Open Water Deep	0.73	0.85	1.65	2.27	3.27	4.63	4.21	4.57	3.63	2.67	1.70	0.89	31.06
St Dev	0.15	0.16	0.30	0.32	0.42	0.49	0.31	0.35	0.32	0.36	0.26	0.16	1.91
Net Evap			0.61	1.27	2.51	4.19	3.32	3.41	2.87	1.53	0.84	0.10	20.64
Open Water Shallow	0.84	1.37	2.60	3.69	4.94	5.94	5.41	5.23	4.00	2.54	1.38	0.79	38.72
St Dev	0.13	0.18	0.31	0.32	0.38	0.35	0.21	0.24	0.21	0.22	0.17	0.12	1.62
Net Evap	0.04	0.41	1.56	2.69	4.18	5.49	4.51	4.07	3.24	1.40	0.51		28.12
Wetlands Large						3.85	8.06	8.35	4.90	0.52			25.67
St Dev						0.62	0.56	0.51	1.89	1.00			2.93
Net ET						3.41	7.17	7.19	4.13				21.90
Wetlands Narrow						5.05	11.47	11.92	6.99	0.75			36.19
St Dev						0.84	0.81	0.73	2.70	1.43			4.17
Net ET						4.61	10.58	10.76	6.23				32.19
ETr	1.12	1.76	3.70	5.31	7.28	9.19	8.41	7.95	6.35	4.13	2.35	1.30	58.84
St Dev	0.26	0.32	0.60	0.59	0.74	0.72	0.46	0.48	0.46	0.49	0.39	0.27	3.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PARTOUN

Aridity Index: 98%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.63, Long: -113.89, Elev: 4780 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.03	33.04	41.79	48.77	58.10	68.04	75.60	73.36	63.16	50.70	37.55	28.07	50.44
St Dev	5.67	4.05	3.20	3.13	2.60	2.76	1.91	1.87	2.07	2.48	3.03	3.68	1.21
Precip (in)	0.46	0.47	0.61	0.76	0.94	0.51	0.57	0.58	0.63	0.71	0.44	0.28	6.96
St Dev	0.42	0.35	0.44	0.58	0.87	0.59	0.65	0.54	0.79	0.64	0.43	0.25	2.22
Aridity Adj. (F)	1.96	1.86	2.65	3.63	5.39	6.66	5.59	5.49	5.59	5.10	3.53	2.35	4.15
Est. Dewpoint (F)	16.78	18.71	19.59	22.90	27.74	32.24	38.64	37.36	29.02	24.27	18.44	16.06	25.15
Rs (langley/day)	232	296	422	525	568	650	593	579	476	351	242	197	427
Wind (mpd)	82	124	114	138	134	129	126	149	132	105	111	90	119
Calc. Wind Limit (mpd)	96	96	121	132	109	105	96	101	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				1.52	6.28	6.83	8.16	7.90	2.23	0.02			32.94
St Dev				0.24	0.73	0.48	0.66	0.78	1.27	0.12			1.57
Net Irr				0.91	5.53	6.42	7.70	7.44	1.72				29.73
Alfalfa (Dairy)				1.52	6.24	6.83	7.24	6.69	2.60	0.02			31.12
St Dev				0.24	0.68	0.53	0.29	0.68	1.29	0.08			1.62
Net Irr				0.91	5.49	6.43	6.78	6.22	2.10				27.92
Apples / Cherries					1.56	6.90	10.10	9.64	5.59	0.39			34.18
St Dev					0.20	0.49	0.38	0.36	1.32	0.75			2.12
Net Irr					0.81	6.50	9.64	9.17	5.08				31.21
Barley				0.62	3.63	8.83	7.91	0.48					21.47
St Dev				0.09	0.71	0.84	1.02	0.56					0.74
Net Irr				0.01	2.89	8.42	7.46	0.01					18.79
Corn					0.33	2.38	7.73	8.75	3.04	0.02			22.25
St Dev					0.05	0.39	0.77	0.51	1.41	0.09			1.70
Net Irr						1.98	7.27	8.29	2.54				20.08
Other Hay				1.58	6.89	9.00	5.35	3.21	1.36	0.03			27.43
St Dev				0.23	0.64	0.66	0.22	0.12	0.28	0.05			1.28
Net Irr				0.97	6.14	8.60	4.90	2.75	0.86				24.21
Other Orchard					1.45	6.60	9.37	8.90	5.15	0.35			31.83
St Dev					0.18	0.47	0.35	0.33	1.22	0.67			1.95
Net Irr					0.70	6.20	8.91	8.43	4.65				28.89
Pasture				0.97	4.41	6.08	6.64	6.26	3.18	0.20			27.73
St Dev				0.13	0.41	0.44	0.25	0.23	0.95	0.42			1.64
Net Irr				0.36	3.66	5.67	6.18	5.79	2.68				24.34
Spring Grain				0.61	3.45	8.66	8.70	1.27					22.70
St Dev				0.09	0.67	0.87	0.80	0.82					0.75
Net Irr					2.70	8.26	8.24	0.81					20.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PARTOUN

Aridity Index: 98%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 39.63, Long: -113.89, Elev: 4780 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.41	2.53	4.85	7.12	2.13				17.03
St Dev					0.07	0.18	0.19	0.68	1.32				1.66
Net Irr						2.12	4.39	6.65	1.63				14.79
Turfgrass				1.34	3.69	5.35	5.86	5.56	3.24	0.25			25.29
St Dev				0.18	0.34	0.39	0.22	0.21	0.78	0.48			1.44
Net Irr				0.73	2.94	4.94	5.40	5.09	2.73				21.85
Open Water Deep	0.82	1.16	1.98	2.64	3.14	4.26	5.38	5.71	3.73	2.76	1.74	1.00	34.31
St Dev	0.19	0.21	0.29	0.36	0.36	0.43	0.33	0.30	0.26	0.32	0.26	0.16	1.42
Net Evap	0.45	0.78	1.49	2.03	2.39	3.85	4.92	5.25	3.23	2.19	1.38	0.78	28.75
Open Water Shallow	0.93	1.48	2.97	4.01	4.83	5.67	5.99	5.84	4.28	2.74	1.43	0.85	41.02
St Dev	0.17	0.21	0.27	0.33	0.33	0.32	0.17	0.16	0.20	0.23	0.18	0.12	1.14
Net Evap	0.56	1.11	2.48	3.41	4.08	5.27	5.53	5.37	3.77	2.18	1.08	0.63	35.46
Wetlands Large					0.06	4.57	9.74	9.57	4.07	0.04			28.05
St Dev					0.03	0.35	0.38	0.58	1.94	0.20			2.34
Net ET						4.17	9.28	9.11	3.56				26.12
Wetlands Narrow					0.06	6.10	13.90	13.68	5.81	0.05			39.60
St Dev					0.03	0.48	0.54	0.83	2.77	0.29			3.34
Net ET						5.70	13.44	13.21	5.30				37.65
ETr	1.21	2.06	4.29	5.94	7.32	8.94	9.76	9.27	6.73	4.37	2.32	1.32	63.54
St Dev	0.29	0.41	0.52	0.65	0.66	0.65	0.37	0.34	0.41	0.50	0.41	0.28	2.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PINE VIEW DAM

Aridity Index: 37%, Temp. Adj. (F): 0.5, Period: 1971-2008, Lat: 41.26, Long: -111.84, Elev: 4940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	19.30	23.02	33.94	43.24	51.78	60.30	68.24	66.65	57.09	46.02	33.15	22.33	43.75
St Dev	5.34	4.83	3.88	3.22	2.62	2.47	2.28	2.00	2.41	2.30	3.57	4.46	1.41
Precip (in)	3.84	3.24	3.43	2.96	3.26	1.74	1.06	1.13	2.01	2.93	3.16	3.51	32.28
St Dev	2.09	1.69	1.76	1.63	1.96	1.47	1.01	1.05	1.77	1.99	1.67	2.58	7.28
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	13.08	14.81	20.03	24.36	29.45	34.61	38.81	37.76	32.20	26.57	21.94	15.49	25.76
Rs (langley/day)	155	272	357	455	569	648	664	567	439	328	200	166	402
Wind (mpd)	67	72	95	108	105	94	88	92	86	83	78	69	86
Calc. Wind Limit (mpd)	96	96	96	103	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				0.86	5.20	6.21	8.08	6.92	3.23	0.44			30.95
St Dev				0.57	0.74	0.43	0.65	0.78	0.89	0.76			2.30
Net Irr					2.60	4.82	7.24	6.01	1.62				22.29
Alfalfa (Dairy)				0.86	5.16	6.03	6.98	6.28	3.49	0.40			29.21
St Dev				0.57	0.67	0.49	0.35	0.30	0.83	0.68			2.07
Net Irr					2.56	4.64	6.13	5.37	1.88				20.58
Barley				0.50	3.10	7.65	8.21	1.00					20.46
St Dev				0.25	0.86	0.92	1.00	0.88					0.55
Net Irr					0.49	6.26	7.36	0.09					14.20
Other Hay				0.89	5.71	8.09	5.79	3.04	1.47	0.19			25.17
St Dev				0.60	0.73	0.58	0.85	0.16	0.20	0.14			1.08
Net Irr					3.10	6.70	4.94	2.13					16.87
Pasture				1.06	4.02	5.40	6.35	5.74	3.70	1.20	0.02		27.48
St Dev				0.47	0.44	0.41	0.31	0.24	0.49	0.71	0.08		1.64
Net Irr					1.41	4.00	5.50	4.83	2.10				17.84
Potato					0.62	2.67	6.62	6.34	3.21	0.33			19.79
St Dev					0.24	0.70	0.61	0.24	0.71	0.48			1.63
Net Irr						1.28	5.78	5.43	1.60				14.09
Spring Grain				0.50	2.95	7.49	8.79	1.93	0.01				21.66
St Dev				0.24	0.81	0.96	0.74	1.16	0.04				0.58
Net Irr					0.34	6.09	7.94	1.02					15.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PINE VIEW DAM

Aridity Index: 37%, Temp. Adj. (F): 0.5, Period: 1971-2008, Lat: 41.26, Long: -111.84, Elev: 4940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.06	2.82	5.86	6.81	2.21	0.01			18.77
St Dev					0.31	0.43	0.61	0.35	0.68	0.03			1.16
Net Irr						1.42	5.02	5.90	0.60				12.94
Small Fruit					0.55	3.35	8.01	8.20	3.44	0.05			23.59
St Dev					0.26	0.74	0.70	0.44	1.25	0.16			2.18
Net Irr						1.96	7.16	7.29	1.83				18.24
Turfgrass				1.33	3.37	4.75	5.60	5.07	3.41	1.32	0.02		24.88
St Dev				0.46	0.35	0.37	0.28	0.21	0.39	0.71	0.10		1.46
Net Irr					0.76	3.35	4.76	4.16	1.81				14.84
Open Water Deep	0.54	0.56	1.19	1.82	2.50	3.30	4.46	4.86	3.04	2.32	1.24	0.65	26.46
St Dev	0.07	0.08	0.19	0.28	0.29	0.34	0.35	0.29	0.27	0.26	0.20	0.10	1.21
Net Evap						1.90	3.62	3.95	1.43				10.90
Open Water Shallow	0.58	1.05	2.25	3.38	4.64	5.42	6.23	5.56	3.88	2.53	1.12	0.63	37.29
St Dev	0.06	0.11	0.22	0.33	0.34	0.33	0.25	0.18	0.23	0.22	0.15	0.08	1.20
Net Evap				1.01	2.04	4.02	5.39	4.65	2.27	0.19			19.57
Wetlands Large					0.02	2.91	8.59	8.87	5.13	0.64			26.16
St Dev					0.10	1.00	0.81	0.36	1.21	0.91			2.84
Net ET						1.51	7.75	7.97	3.52				20.75
Wetlands Narrow					0.03	3.80	12.19	12.67	7.33	0.91			36.93
St Dev					0.12	1.39	1.21	0.52	1.73	1.30			4.05
Net ET						2.41	11.34	11.77	5.72				31.24
ETr	0.81	1.26	2.96	4.66	6.47	7.94	9.33	8.45	5.78	3.70	1.59	0.80	53.76
St Dev	0.10	0.16	0.35	0.56	0.56	0.61	0.46	0.35	0.43	0.41	0.27	0.13	2.18

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PLEASANT GROVE

Aridity Index: 51%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.37, Long: -111.73, Elev: 4714 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.54	34.56	43.06	50.18	58.83	67.99	75.50	73.62	64.31	52.77	40.19	30.97	51.79
St Dev	4.82	4.12	3.07	3.32	2.88	2.62	2.35	2.09	2.55	2.58	3.37	3.40	1.42
Precip (in)	1.89	1.72	1.85	1.78	1.84	0.88	0.77	0.82	1.27	1.82	1.51	1.58	17.72
St Dev	1.37	0.99	1.08	1.19	1.39	0.91	0.61	0.58	1.08	1.19	0.87	1.10	4.46
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	21.24	22.90	25.32	28.34	33.48	38.17	43.48	43.28	36.90	32.19	26.05	22.32	31.14
Rs (langley/day)	171	265	363	477	581	654	630	509	433	323	202	156	397
Wind (mpd)	65	66	97	105	100	89	79	83	74	74	73	64	81
Calc. Wind Limit (mpd)	96	96	98	108	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.64	5.61	5.94	6.90	6.40	3.10	0.43			30.03
St Dev				0.54	0.62	0.44	0.48	0.50	0.95	0.55			1.92
Net Irr				0.22	4.14	5.24	6.29	5.75	2.08				23.71
Alfalfa (Dairy)				1.64	5.45	5.90	6.33	5.49	3.09	0.38			28.29
St Dev				0.54	0.53	0.44	0.30	0.20	0.82	0.49			1.66
Net Irr				0.22	3.98	5.20	5.71	4.83	2.08				22.02
Apples / Cherries				0.57	4.41	7.89	8.84	7.64	4.61	1.48	0.02		35.46
St Dev				0.18	0.41	0.57	0.41	0.25	0.46	0.78	0.06		1.67
Net Irr					2.94	7.19	8.22	6.98	3.59	0.02			28.95
Barley				0.84	3.82	7.76	6.17	0.30					18.89
St Dev				0.27	0.90	0.72	1.30	0.46					0.69
Net Irr					2.35	7.06	5.55						14.96
Corn					0.68	2.36	6.97	6.97	3.41	0.30			20.70
St Dev					0.20	0.57	0.96	0.29	0.91	0.37			1.31
Net Irr						1.66	6.36	6.32	2.40				16.73
Melon					0.66	3.61	5.52	4.79	2.54	0.05			17.16
St Dev					0.24	0.61	0.27	0.16	0.76	0.12			1.31
Net Irr						2.91	4.90	4.13	1.52				13.46
Other Hay				1.75	6.18	7.49	4.23	2.46	1.12	0.04			23.28
St Dev				0.59	0.59	0.54	0.50	0.11	0.18	0.06			1.08
Net Irr				0.32	4.71	6.79	3.62	1.81	0.10				17.35
Other Orchard				0.55	4.17	7.36	8.16	7.05	4.16	1.40	0.02		32.88
St Dev				0.17	0.40	0.52	0.38	0.23	0.41	0.76	0.06		1.56
Net Irr					2.70	6.66	7.54	6.39	3.15				26.44
Pasture			0.02	1.70	4.21	5.25	5.78	5.00	3.27	1.13	0.03		26.39
St Dev			0.04	0.42	0.36	0.36	0.27	0.16	0.44	0.68	0.09		1.55
Net Irr				0.27	2.74	4.55	5.16	4.35	2.25				19.32
Potato					0.91	3.21	6.38	5.31	2.63	0.22			18.65
St Dev					0.23	0.76	0.44	0.23	0.76	0.30			1.06
Net Irr						2.51	5.76	4.65	1.61				14.54
Safflower					1.38	7.42	8.50	7.24	3.72	0.70			28.96
St Dev					0.72	0.75	0.40	0.24	0.74	0.44			1.79
Net Irr						6.72	7.88	6.58	2.70				23.89
Sorghum					0.85	3.56	7.25	6.63	2.93				21.22
St Dev					0.25	0.66	0.48	0.22	0.60				1.02
Net Irr						2.86	6.63	5.97	1.91				17.37
Spring Grain				0.82	3.60	7.67	7.06	0.81					19.96
St Dev				0.26	0.84	0.77	0.98	0.73					0.75
Net Irr					2.13	6.97	6.44	0.15					15.70

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PLEASANT GROVE

Aridity Index: 51%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.37, Long: -111.73, Elev: 4714 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.58	1.39	3.95	7.70	4.84	0.19					18.66
St Dev			0.15	0.25	1.02	0.71	1.56	0.28					0.67
Net Irr					2.48	7.00	4.22						13.70
Garden					1.41	3.14	5.96	5.74	1.55				17.82
St Dev					0.26	0.40	0.51	0.20	0.41				0.82
Net Irr						2.44	5.34	5.09	0.54				13.41
Small Fruit					0.89	4.05	7.86	7.09	3.25	0.01			23.16
St Dev					0.27	0.68	0.55	0.22	0.95	0.05			1.64
Net Irr						3.35	7.25	6.43	2.24				19.27
Turfgrass			0.03	1.85	3.53	4.63	5.10	4.42	3.02	1.22	0.04		23.85
St Dev			0.07	0.35	0.32	0.32	0.24	0.15	0.32	0.67	0.11		1.35
Net Irr				0.43	2.06	3.93	4.48	3.76	2.00				16.66
Open Water Deep	0.50	0.59	1.28	1.72	2.34	3.11	3.90	4.09	2.47	1.85	1.09	0.53	23.49
St Dev	0.09	0.11	0.19	0.25	0.27	0.31	0.32	0.23	0.21	0.23	0.17	0.08	1.18
Net Evap				0.30	0.87	2.41	3.28	3.43	1.45	0.40			12.14
Open Water Shallow	0.64	1.18	2.43	3.50	4.70	5.48	5.97	5.09	3.77	2.40	1.10	0.58	36.84
St Dev	0.09	0.15	0.22	0.30	0.32	0.31	0.24	0.14	0.20	0.22	0.14	0.08	1.19
Net Evap			0.95	2.07	3.23	4.78	5.35	4.43	2.76	0.95			24.52
Wetlands Large					0.13	3.92	8.43	7.73	4.80	0.62			25.64
St Dev					0.18	0.88	0.59	0.26	0.95	0.74			2.21
Net ET						3.22	7.81	7.08	3.79				21.90
Wetlands Narrow					0.14	5.26	12.02	11.05	6.86	0.89			36.22
St Dev					0.21	1.26	0.87	0.37	1.35	1.06			3.15
Net ET						4.56	11.40	10.39	5.85				32.20
ETr	0.68	1.30	3.13	4.64	6.36	7.72	8.50	7.36	5.13	3.17	1.43	0.63	50.04
St Dev	0.12	0.21	0.36	0.49	0.52	0.53	0.40	0.24	0.32	0.35	0.23	0.12	2.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PRICE BLM

Aridity Index: 48%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 39.6, Long: -110.82, Elev: 5545 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.96	31.50	40.92	48.29	57.70	67.33	74.09	72.29	63.00	51.19	37.48	28.08	49.82
St Dev	5.18	4.20	3.33	3.53	2.59	3.11	2.23	1.82	2.80	3.15	3.47	3.85	1.44
Precip (in)	0.81	0.79	0.80	0.60	0.74	0.55	0.80	1.04	1.21	1.31	0.61	0.56	9.82
St Dev	0.73	0.81	0.68	0.64	0.63	0.54	0.75	0.84	0.89	1.25	0.70	0.50	3.16
Aridity Adj. (F)	0.96	0.91	1.30	1.78	2.64	3.26	2.74	2.69	2.74	2.50	1.73	1.15	2.03
Est. Dewpoint (F)	18.42	21.87	25.47	24.54	32.66	40.20	47.37	46.04	36.92	31.73	21.46	17.38	30.34
Rs (langley/day)	237	331	430	550	582	706	611	566	491	365	247	166	440
Wind (mpd)	78	90	157	186	166	145	136	126	119	116	109	85	126
Calc. Wind Limit (mpd)	96	96	120	120	120	120	120	120	116	117	106	96	112
.....Inches.....													
Alfalfa (Beef)				0.93	4.83	6.36	7.38	5.71	2.67	0.19			28.08
St Dev				0.19	0.59	0.33	0.62	0.90	1.29	0.51			2.20
Net Irr				0.45	4.24	5.92	6.74	4.89	1.71				23.94
Alfalfa (Dairy)				0.93	4.83	5.98	6.31	5.61	2.87	0.21			26.74
St Dev				0.19	0.59	0.37	0.31	0.36	1.30	0.56			2.05
Net Irr				0.45	4.24	5.54	5.67	4.78	1.90				22.59
Apples / Cherries					0.78	5.43	8.55	7.84	4.80	0.83	0.01		28.23
St Dev					0.12	0.39	0.42	0.57	1.73	1.08	0.04		3.05
Net Irr					0.19	4.99	7.91	7.01	3.84				23.93
Barley				0.40	2.33	6.97	8.23	2.33	0.01				20.27
St Dev				0.06	0.49	0.97	0.43	1.26	0.05				0.55
Net Irr					1.74	6.52	7.59	1.50					17.36
Corn					0.15	1.73	5.09	7.37	3.63	0.33			18.30
St Dev					0.03	0.22	0.86	0.58	1.74	0.67			2.63
Net Irr						1.29	4.45	6.55	2.67				14.95
Other Hay				0.99	5.58	7.96	4.93	2.67	1.19	0.07			23.40
St Dev				0.19	0.54	0.59	0.32	0.18	0.41	0.09			1.33
Net Irr				0.51	4.99	7.52	4.29	1.85	0.22				19.38
Other Orchard					0.75	5.13	7.99	7.24	4.43	0.75	0.01		26.30
St Dev					0.12	0.37	0.39	0.53	1.60	0.98	0.03		2.80
Net Irr					0.16	4.69	7.35	6.41	3.47				22.08
Pasture				0.63	3.58	5.30	5.70	5.07	2.85	0.46			23.60
St Dev				0.09	0.33	0.39	0.28	0.46	1.13	0.65			2.26
Net Irr				0.16	2.99	4.86	5.06	4.24	1.88				19.19
Sorghum					0.18	2.39	6.17	6.78	3.46	0.04			19.02
St Dev					0.04	0.17	0.32	0.49	1.66	0.06			1.95
Net Irr						1.95	5.53	5.96	2.49				15.93
Spring Grain				0.40	2.22	6.74	8.46	3.51	0.09				21.42
St Dev				0.06	0.46	0.99	0.39	1.28	0.23				0.58
Net Irr					1.63	6.30	7.82	2.68					18.43

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PRICE BLM

Aridity Index: 48%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 39.6, Long: -110.82, Elev: 5545 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden					0.18	2.12	3.91	5.74	2.09	0.03			14.07
St Dev					0.04	0.15	0.20	0.47	1.31	0.16			1.71
Net Irr						1.68	3.27	4.91	1.12				10.98
Turfgrass				0.91	3.03	4.65	5.03	4.52	2.77	0.52			21.45
St Dev				0.12	0.27	0.34	0.25	0.33	1.00	0.69			1.98
Net Irr				0.43	2.44	4.21	4.39	3.69	1.81				16.98
Open Water Deep	0.31	0.40	0.90	1.59	2.24	3.06	3.91	4.18	2.93	2.12	1.23	0.52	23.40
St Dev	0.09	0.12	0.22	0.24	0.28	0.36	0.32	0.29	0.32	0.35	0.23	0.11	1.36
Net Evap			0.26	1.12	1.65	2.62	3.27	3.35	1.96	1.07	0.74	0.08	16.11
Open Water Shallow	0.60	1.12	2.38	3.63	4.49	5.61	5.64	5.27	4.03	2.46	1.15	0.53	36.92
St Dev	0.12	0.17	0.30	0.31	0.30	0.32	0.21	0.19	0.25	0.27	0.16	0.10	1.20
Net Evap		0.48	1.75	3.15	3.90	5.17	5.00	4.44	3.06	1.41	0.66	0.08	29.11
Wetlands Large						3.12	7.95	7.92	4.04	0.41			23.44
St Dev						0.43	0.49	0.58	1.94	0.85			2.98
Net ET						2.68	7.31	7.09	3.07				20.15
Wetlands Narrow						4.09	11.31	11.31	5.77	0.58			33.06
St Dev						0.58	0.71	0.82	2.77	1.21			4.25
Net ET						3.65	10.67	10.48	4.80				29.60
ETr	0.45	0.98	2.69	4.62	6.10	7.80	8.38	7.62	5.65	3.23	1.49	0.63	49.64
St Dev	0.18	0.26	0.48	0.49	0.54	0.57	0.41	0.37	0.47	0.51	0.29	0.19	2.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PROVO BYU

Aridity Index: 50%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 40.25, Long: -111.65, Elev: 4570 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.16	35.23	44.16	51.28	60.45	69.30	76.87	74.82	65.09	53.27	40.70	31.39	52.73
St Dev	5.48	4.45	3.45	3.64	2.75	2.83	2.27	2.22	2.86	2.94	3.42	3.66	1.89
Precip (in)	2.04	1.94	1.94	1.79	1.82	1.04	0.76	1.04	1.37	1.95	1.71	1.83	19.22
St Dev	1.60	1.16	1.09	1.08	1.29	0.99	0.65	0.88	1.15	1.25	1.03	1.19	5.52
Aridity Adj. (F)	1.00	0.95	1.35	1.85	2.75	3.40	2.85	2.80	2.85	2.60	1.80	1.20	2.12
Est. Dewpoint (F)	20.88	22.02	24.73	28.26	33.88	37.31	42.01	41.90	34.84	31.13	25.03	22.23	30.35
Rs (langley/day)	182	276	370	486	580	651	634	508	434	325	206	159	401
Wind (mpd)	69	69	109	114	108	95	84	86	79	76	77	71	87
Calc. Wind Limit (mpd)	96	96	99	106	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.71	5.65	6.23	7.27	6.62	3.31	0.43			31.23
St Dev				0.66	0.58	0.47	0.49	0.53	1.11	0.59			2.22
Net Irr				0.28	4.20	5.40	6.66	5.80	2.22				24.55
Alfalfa (Dairy)				1.71	5.47	6.18	6.68	5.72	3.25	0.33			29.35
St Dev				0.66	0.50	0.44	0.28	0.25	0.86	0.45			1.87
Net Irr				0.28	4.02	5.35	6.07	4.89	2.16				22.77
Apples / Cherries				0.56	4.44	8.22	9.31	7.95	4.83	1.21	0.01		36.52
St Dev				0.21	0.42	0.59	0.35	0.30	0.54	0.82	0.03		1.90
Net Irr					2.98	7.39	8.70	7.12	3.73				29.93
Barley				0.86	3.85	8.08	6.49	0.36					19.64
St Dev				0.33	0.93	0.74	1.50	0.56					0.71
Net Irr					2.39	7.25	5.88						15.52
Corn					0.71	2.59	7.49	7.23	3.40	0.25			21.66
St Dev					0.23	0.69	0.91	0.34	0.79	0.39			1.46
Net Irr						1.76	6.88	6.40	2.30				17.34
Melon					0.70	3.82	5.81	4.96	2.45	0.05			17.78
St Dev					0.28	0.65	0.23	0.25	0.95	0.14			1.61
Net Irr						2.99	5.20	4.13	1.35				13.67
Other Hay				1.83	6.25	7.73	4.42	2.55	1.15	0.03			23.96
St Dev				0.72	0.60	0.59	0.59	0.14	0.20	0.06			1.05
Net Irr				0.40	4.80	6.90	3.82	1.72	0.05				17.68
Other Orchard				0.54	4.20	7.67	8.59	7.34	4.36	1.14	0.01		33.85
St Dev				0.20	0.40	0.54	0.32	0.28	0.48	0.79	0.03		1.77
Net Irr					2.74	6.84	7.98	6.51	3.27				27.34
Pasture			0.03	1.74	4.25	5.47	6.09	5.20	3.35	0.90	0.02		27.05
St Dev			0.07	0.49	0.36	0.37	0.23	0.20	0.51	0.70	0.08		1.84
Net Irr				0.31	2.79	4.64	5.48	4.37	2.26				19.84
Potato					0.93	3.38	6.70	5.53	2.66	0.20			19.41
St Dev					0.22	0.84	0.43	0.30	0.71	0.32			1.24
Net Irr						2.55	6.09	4.71	1.57				14.91
Safflower					1.49	7.76	8.95	7.48	3.64	0.53			29.85
St Dev					0.84	0.77	0.34	0.32	0.79	0.40			2.25
Net Irr					0.03	6.93	8.34	6.66	2.55				24.50
Sorghum					0.89	3.78	7.65	6.90	2.97				22.20
St Dev					0.29	0.73	0.46	0.26	0.65				1.06
Net Irr						2.95	7.05	6.07	1.88				17.94
Spring Grain				0.84	3.64	7.99	7.42	0.88					20.77
St Dev				0.31	0.89	0.80	1.16	0.85					0.75
Net Irr					2.18	7.16	6.81	0.05					16.20

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PROVO BYU

Aridity Index: 50%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 40.25, Long: -111.65, Elev: 4570 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.60	1.40	3.96	7.99	5.14	0.26					19.35
St Dev			0.18	0.28	1.09	0.79	1.88	0.43					0.72
Net Irr					2.51	7.16	4.53						14.20
Garden					1.38	3.22	6.21	6.00	1.61				18.41
St Dev					0.22	0.35	0.45	0.29	0.53				0.95
Net Irr						2.39	5.60	5.17	0.51				13.67
Small Fruit					0.93	4.30	8.31	7.31	3.15	0.01			24.01
St Dev					0.28	0.73	0.53	0.40	1.20	0.06			2.09
Net Irr						3.47	7.70	6.48	2.05				19.71
Turfgrass			0.06	1.87	3.57	4.83	5.37	4.60	3.16	1.00	0.03		24.47
St Dev			0.12	0.38	0.32	0.33	0.20	0.18	0.38	0.70	0.10		1.60
Net Irr				0.44	2.11	4.00	4.76	3.77	2.06				17.14
Open Water Deep	0.50	0.61	1.31	1.71	2.34	3.40	4.29	4.32	2.70	1.86	1.12	0.52	24.68
St Dev	0.10	0.12	0.22	0.27	0.26	0.35	0.30	0.26	0.25	0.23	0.19	0.09	1.31
Net Evap				0.28	0.88	2.57	3.68	3.49	1.60	0.29			12.80
Open Water Shallow	0.63	1.20	2.45	3.52	4.70	5.51	6.05	5.12	3.81	2.39	1.11	0.54	37.02
St Dev	0.10	0.18	0.26	0.32	0.30	0.30	0.19	0.15	0.21	0.22	0.16	0.08	1.13
Net Evap			0.90	2.09	3.24	4.68	5.45	4.29	2.71	0.82			24.18
Wetlands Large					0.16	4.19	8.90	8.05	4.95	0.62			26.89
St Dev					0.24	0.97	0.57	0.31	1.00	0.83			2.67
Net ET						3.36	8.30	7.22	3.86				22.74
Wetlands Narrow					0.19	5.64	12.69	11.50	7.08	0.89			37.99
St Dev					0.29	1.41	0.84	0.44	1.42	1.19			3.81
Net ET						4.81	12.09	10.67	5.98				33.55
ETr	0.65	1.33	3.19	4.66	6.42	8.04	8.95	7.66	5.42	3.22	1.46	0.56	51.57
St Dev	0.14	0.25	0.43	0.52	0.51	0.54	0.34	0.29	0.36	0.36	0.27	0.14	1.91

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RANDOLPH

Aridity Index: 19%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.66, Long: -111.19, Elev: 6270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	14.32	16.61	27.66	37.47	46.55	54.88	62.13	60.30	50.29	39.96	26.80	15.93	37.74
St Dev	5.70	5.67	4.50	3.34	1.97	2.58	2.74	2.01	2.23	2.34	3.93	5.30	1.74
Precip (in)	0.85	0.90	1.01	1.25	1.69	1.11	0.95	1.12	1.30	1.28	1.07	0.89	13.40
St Dev	0.70	0.77	0.56	0.83	0.97	1.05	0.69	0.82	0.97	0.82	0.59	0.63	3.93
Aridity Adj. (F)	0.38	0.36	0.51	0.70	1.05	1.29	1.08	1.06	1.08	0.99	0.68	0.46	0.80
Est. Dewpoint (F)	7.44	8.34	13.70	17.50	24.55	30.44	33.73	32.14	24.82	18.93	12.93	7.31	19.32
Rs (langley/day)	185	317	406	492	574	642	658	556	427	310	204	169	412
Wind (mpd)	84	81	111	127	123	103	91	100	100	90	100	78	99
Calc. Wind Limit (mpd)	96	96	110	117	117	100	99	96	96	96	96	96	101
.....Inches.....													
Alfalfa (Beef)					2.70	6.74	6.21	3.86	0.26				19.77
St Dev					0.34	0.67	1.03	2.25	0.50				3.49
Net Irr					1.35	5.86	5.45	2.97					15.63
Alfalfa (Dairy)					2.70	6.44	5.90	3.22	0.25				18.51
St Dev					0.34	0.47	1.60	2.23	0.49				3.80
Net Irr					1.35	5.55	5.14	2.32					14.37
Other Hay					2.92	7.42	8.23	3.32	0.59	0.01			22.49
St Dev					0.31	0.64	0.51	0.69	0.54	0.04			1.68
Net Irr					1.57	6.53	7.48	2.43					18.01
Pasture					1.79	4.81	5.91	4.89	0.95	0.01			18.37
St Dev					0.19	0.41	0.37	1.11	0.99	0.07			2.08
Net Irr					0.44	3.93	5.15	4.00					13.52
Spring Grain					1.06	4.27	8.61	5.13	0.28				19.35
St Dev					0.17	0.77	0.80	2.65	0.48				3.39
Net Irr						3.38	7.85	4.24					15.47

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RANDOLPH

Aridity Index: 19%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.66, Long: -111.19, Elev: 6270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.31	3.13	5.07	0.18				9.69
St Dev						0.11	0.20	0.31	0.33				0.59
Net Irr						0.42	2.38	4.17					6.98
Turfgrass					2.12	3.98	5.22	4.46	1.02	0.02			16.83
St Dev					0.22	0.34	0.32	0.97	0.97	0.09			1.86
Net Irr					0.78	3.09	4.46	3.57					11.91
Open Water Deep	0.50	0.43	0.96	1.60	2.33	2.70	3.53	3.88	2.59	1.99	1.22	0.55	22.27
St Dev	0.09	0.08	0.18	0.27	0.23	0.31	0.32	0.27	0.22	0.22	0.21	0.10	1.28
Net Evap			0.15	0.60	0.98	1.81	2.77	2.99	1.55	0.97	0.37		12.19
Open Water Shallow	0.55	0.97	2.12	3.23	4.37	5.01	5.75	5.05	3.46	2.19	1.03	0.53	34.26
St Dev	0.07	0.12	0.25	0.34	0.27	0.32	0.27	0.21	0.19	0.18	0.15	0.08	1.27
Net Evap		0.24	1.32	2.23	3.02	4.12	4.99	4.15	2.43	1.17	0.17		23.85
Wetlands Large						1.05	6.41	6.08	0.59				14.13
St Dev						0.39	0.83	2.46	0.99				3.31
Net ET						0.17	5.65	5.19					11.00
Wetlands Narrow						1.30	8.92	8.68	0.85				19.74
St Dev						0.51	1.23	3.51	1.42				4.73
Net ET						0.41	8.16	7.79					16.36
ETr	0.76	1.10	2.70	4.49	6.30	7.38	8.70	7.93	5.58	3.60	1.71	0.78	51.02
St Dev	0.13	0.16	0.40	0.63	0.54	0.63	0.54	0.46	0.45	0.42	0.35	0.16	2.50

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RICHFIELD RADIO K SVC

Aridity Index: 32%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.76, Long: -112.08, Elev: 5300 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.04	33.45	41.27	47.63	55.85	64.75	71.10	69.38	60.95	49.90	37.69	28.94	49.08
St Dev	5.88	3.93	2.85	2.83	2.47	2.22	1.73	1.63	1.82	2.18	2.88	4.07	1.24
Precip (in)	0.57	0.49	0.75	0.63	0.96	0.58	0.69	0.75	0.88	1.01	0.63	0.50	8.44
St Dev	0.50	0.33	0.50	0.52	0.71	0.64	0.58	0.50	0.69	0.80	0.49	0.38	1.96
Aridity Adj. (F)	0.64	0.61	0.86	1.18	1.76	2.18	1.82	1.79	1.82	1.66	1.15	0.77	1.35
Est. Dewpoint (F)	20.15	21.44	21.79	23.19	29.58	33.64	40.01	39.22	32.00	26.39	22.25	20.11	27.48
Rs (langley/day)	184	313	405	532	576	663	609	594	496	339	217	192	427
Wind (mpd)	74	81	128	139	119	109	91	91	79	81	79	75	96
Calc. Wind Limit (mpd)	96	96	126	132	113	108	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				1.90	6.37	6.84	7.47	7.43	2.30	0.10			32.41
St Dev				0.29	0.61	0.47	0.54	0.64	1.14	0.26			1.70
Net Irr				1.40	5.60	6.38	6.91	6.83	1.60				28.72
Alfalfa (Dairy)				1.90	6.31	6.87	6.70	6.21	2.55	0.07			30.60
St Dev				0.29	0.56	0.51	0.32	0.36	1.05	0.19			1.53
Net Irr				1.40	5.54	6.40	6.14	5.60	1.85				26.93
Apples / Cherries					2.22	7.55	9.42	8.77	5.63	0.80			34.38
St Dev					0.23	0.53	0.43	0.33	0.93	0.91			1.99
Net Irr					1.45	7.08	8.86	8.17	4.93				30.50
Barley				0.77	3.82	8.92	7.52	0.59					21.61
St Dev				0.12	0.65	0.82	0.80	0.61					0.63
Net Irr				0.26	3.06	8.45	6.96						18.73
Corn					0.47	2.58	7.40	8.09	3.18	0.08			21.81
St Dev					0.07	0.43	0.73	0.33	1.24	0.21			1.73
Net Irr						2.12	6.85	7.49	2.48				18.93
Melon					0.40	3.38	5.87	5.37	1.80				16.82
St Dev					0.06	0.23	0.27	0.40	1.10				1.44
Net Irr						2.92	5.31	4.77	1.10				14.09
Other Hay				2.02	7.04	8.83	4.59	2.85	1.30	0.01			26.64
St Dev				0.28	0.55	0.63	0.23	0.11	0.19	0.02			1.19
Net Irr				1.52	6.27	8.37	4.03	2.24	0.60				23.03
Other Orchard					2.06	7.24	8.70	8.10	5.18	0.72			31.98
St Dev					0.22	0.51	0.40	0.31	0.85	0.82			1.82
Net Irr					1.29	6.77	8.14	7.50	4.47				28.18
Pasture				1.24	4.53	6.09	6.16	5.71	3.36	0.44			27.54
St Dev				0.16	0.36	0.43	0.28	0.22	0.74	0.55			1.58
Net Irr				0.74	3.77	5.62	5.61	5.11	2.66				23.50
Spring Grain				0.76	3.62	8.77	8.23	1.41					22.79
St Dev				0.12	0.60	0.84	0.62	0.80					0.65
Net Irr				0.25	2.86	8.31	7.67	0.81					19.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RICHFIELD RADIO KSVC

Aridity Index: 32%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.76, Long: -112.08, Elev: 5300 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.58	2.64	4.77	6.64	2.02				16.64
St Dev					0.08	0.18	0.23	0.51	1.17				1.57
Net Irr						2.17	4.21	6.03	1.32				13.73
Turfgrass				1.63	3.76	5.37	5.44	5.06	3.30	0.53			25.08
St Dev				0.20	0.29	0.38	0.25	0.19	0.56	0.62			1.40
Net Irr				1.12	2.99	4.90	4.88	4.46	2.60				20.95
Open Water Deep	0.65	0.86	1.97	2.56	3.03	4.11	4.37	4.52	2.87	2.34	1.34	0.72	29.35
St Dev	0.15	0.17	0.29	0.32	0.32	0.38	0.28	0.19	0.19	0.24	0.21	0.15	1.21
Net Evap	0.19	0.47	1.38	2.05	2.27	3.64	3.82	3.92	2.17	1.54	0.83	0.32	22.60
Open Water Shallow	0.76	1.47	2.87	4.04	4.85	5.73	5.84	5.69	4.24	2.67	1.29	0.77	40.22
St Dev	0.14	0.21	0.28	0.31	0.28	0.30	0.20	0.15	0.18	0.20	0.17	0.14	1.05
Net Evap	0.30	1.08	2.28	3.54	4.09	5.26	5.29	5.08	3.54	1.86	0.78	0.37	33.46
Wetlands Large					0.24	5.06	9.20	8.83	4.22	0.14			27.70
St Dev					0.13	0.64	0.47	0.39	1.72	0.33			2.39
Net ET						4.59	8.65	8.23	3.52				24.99
Wetlands Narrow					0.27	6.85	13.13	12.61	6.03	0.20			39.10
St Dev					0.14	0.92	0.68	0.55	2.46	0.48			3.41
Net ET						6.38	12.58	12.01	5.33				36.30
ETr	1.00	1.80	4.19	5.95	7.26	8.95	9.06	8.43	6.10	4.12	2.01	1.03	59.92
St Dev	0.26	0.36	0.57	0.61	0.55	0.64	0.41	0.32	0.35	0.44	0.38	0.28	2.19

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RICHMOND

Aridity Index: 36%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.91, Long: -111.81, Elev: 4680 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.18	27.73	38.06	46.45	54.80	64.07	72.53	71.15	61.17	49.08	35.55	25.17	47.41
St Dev	5.92	5.28	4.19	3.44	2.69	2.89	2.93	2.24	3.01	2.66	3.74	4.52	1.76
Precip (in)	1.73	1.70	2.12	2.32	2.45	1.28	0.86	0.94	1.46	2.04	1.68	1.73	20.29
St Dev	1.05	0.90	0.99	1.38	1.37	0.97	0.82	0.98	1.23	1.30	0.94	1.12	5.46
Aridity Adj. (F)	0.72	0.68	0.97	1.33	1.98	2.45	2.05	2.02	2.05	1.87	1.30	0.86	1.52
Est. Dewpoint (F)	20.88	23.72	26.56	27.56	33.25	39.45	43.86	43.50	37.30	31.50	25.55	20.27	31.12
Rs (langley/day)	159	252	373	479	584	682	696	617	470	313	190	111	411
Wind (mpd)	77	71	101	118	103	94	90	98	92	89	83	79	91
Calc. Wind Limit (mpd)	96	96	96	103	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.29	5.50	6.27	8.10	7.61	3.31	0.37			32.46
St Dev				0.68	0.71	0.55	0.63	0.76	1.13	0.63			2.67
Net Irr					3.54	5.25	7.42	6.86	2.14				25.20
Alfalfa (Dairy)				1.29	5.37	6.18	7.26	6.67	3.54	0.35			30.65
St Dev				0.68	0.59	0.54	0.41	0.30	0.94	0.54			2.42
Net Irr					3.41	5.16	6.57	5.92	2.37				23.43
Barley				0.70	3.61	8.06	7.29	0.41					20.06
St Dev				0.32	0.99	0.90	1.53	0.56					0.64
Net Irr					1.65	7.04	6.60						15.29
Corn					0.59	2.50	8.01	8.40	3.59	0.16			23.25
St Dev					0.26	0.77	1.18	0.42	0.87	0.24			1.68
Net Irr						1.48	7.32	7.65	2.42				18.88
Melon					0.56	3.54	6.32	5.75	2.44	0.06			18.66
St Dev					0.29	0.76	0.36	0.34	1.14	0.23			1.87
Net Irr						2.52	5.63	5.00	1.27				14.42
Other Hay				1.35	6.01	8.06	5.41	3.10	1.40	0.09			25.41
St Dev				0.72	0.73	0.63	0.85	0.16	0.23	0.11			1.31
Net Irr					4.05	7.04	4.72	2.35	0.23				18.39
Pasture				1.40	4.16	5.51	6.63	6.07	3.70	0.96	0.02		28.45
St Dev				0.54	0.43	0.46	0.36	0.26	0.65	0.74	0.08		2.15
Net Irr					2.20	4.48	5.95	5.32	2.53				20.48
Potato					0.82	3.23	7.24	6.42	2.79	0.12			20.61
St Dev					0.27	0.92	0.58	0.33	0.87	0.19			1.31
Net Irr						2.20	6.55	5.67	1.62				16.04
Safflower					1.09	7.56	9.76	8.76	4.15	0.66			31.98
St Dev					0.81	1.01	0.53	0.40	1.06	0.52			2.78
Net Irr						6.54	9.07	8.01	2.98				26.60
Sorghum					0.74	3.49	8.14	8.05	3.71				24.12
St Dev					0.32	0.80	0.68	0.34	0.79				1.54
Net Irr						2.46	7.45	7.30	2.54				19.75
Spring Grain				0.68	3.41	7.93	8.26	1.07					21.36
St Dev				0.31	0.94	0.96	1.18	0.97					0.76
Net Irr					1.45	6.91	7.57	0.32					16.26
Winter Wheat			0.39	1.35	3.77	8.01	5.83	0.28					19.62
St Dev			0.18	0.27	1.10	0.93	1.89	0.39					0.60
Net Irr					1.81	6.98	5.14						13.94

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RICHMOND

Aridity Index: 36%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.91, Long: -111.81, Elev: 4680 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.26	3.10	6.53	7.06	1.82				19.77
St Dev					0.29	0.45	0.68	0.38	0.76				1.44
Net Irr						2.08	5.84	6.31	0.65				14.88
Small Fruit					0.77	3.97	8.80	8.52	3.17	0.05			25.28
St Dev					0.31	0.86	0.78	0.52	1.48	0.19			2.58
Net Irr						2.95	8.12	7.77	2.00				20.83
Turfgrass				1.63	3.47	4.86	5.85	5.36	3.47	1.07	0.03		25.74
St Dev				0.49	0.37	0.41	0.32	0.23	0.48	0.74	0.10		1.92
Net Irr					1.51	3.83	5.17	4.61	2.30				17.43
Open Water Deep	0.40	0.37	0.99	1.73	2.33	3.17	4.59	5.10	3.18	2.30	1.16	0.58	25.90
St Dev	0.06	0.07	0.21	0.30	0.29	0.39	0.43	0.34	0.36	0.31	0.20	0.09	1.61
Net Evap					0.37	2.15	3.90	4.35	2.01	0.67			13.46
Open Water Shallow	0.44	0.90	2.27	3.50	4.70	5.66	6.57	6.03	4.13	2.41	1.00	0.40	38.01
St Dev	0.06	0.11	0.29	0.35	0.35	0.38	0.28	0.19	0.28	0.24	0.15	0.07	1.47
Net Evap			0.58	1.64	2.74	4.64	5.88	5.28	2.96	0.78			24.51
Wetlands Large					0.10	3.79	9.47	9.39	5.53	0.59			28.87
St Dev					0.20	1.14	0.82	0.40	1.10	0.87			3.19
Net ET						2.77	8.78	8.64	4.36				24.55
Wetlands Narrow					0.12	5.05	13.48	13.41	7.90	0.85			40.81
St Dev					0.24	1.63	1.21	0.56	1.57	1.24			4.56
Net ET						4.03	12.79	12.66	6.73				36.21
ETr	0.37	0.85	2.73	4.70	6.45	8.10	9.76	8.94	6.00	3.50	1.35	0.56	53.29
St Dev	0.10	0.15	0.44	0.59	0.59	0.67	0.53	0.38	0.52	0.46	0.27	0.13	2.61

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RIVERDALE

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.15, Long: -112, Elev: 4400 ft, 8/25/2011													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.37	32.83	40.93	48.63	57.94	66.67	74.86	73.46	63.22	51.69	38.93	29.42	50.58
St Dev	4.84	4.22	3.53	3.15	2.98	2.77	2.42	2.22	2.57	2.70	3.47	3.60	1.33
Precip (in)	2.06	1.91	2.28	2.07	2.21	1.11	0.79	0.84	1.41	2.11	1.77	1.95	20.49
St Dev	1.31	1.08	1.29	1.18	1.54	0.92	0.82	0.87	1.37	1.43	1.00	1.38	5.78
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	23.05	25.85	25.81	27.86	32.57	38.25	43.71	43.22	36.38	30.56	25.71	21.66	31.22
Rs (langley/day)	155	254	344	448	558	639	667	564	445	319	198	154	395
Wind (mpd)	67	73	99	108	108	95	89	93	87	83	79	66	87
Calc. Wind Limit (mpd)	96	96	96	103	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.55	5.69	5.99	7.46	7.25	3.77	0.83			32.55
St Dev				0.63	0.66	0.58	0.52	0.62	0.97	0.87			2.33
Net Irr					3.92	5.11	6.83	6.58	2.64				25.08
Alfalfa (Dairy)				1.55	5.50	5.95	6.92	6.23	3.65	0.77			30.58
St Dev				0.63	0.50	0.48	0.41	0.29	0.84	0.84			2.08
Net Irr					3.73	5.07	6.29	5.56	2.53				23.17
Apples / Cherries				0.76	4.70	7.93	9.65	8.62	4.95	1.75	0.02		38.37
St Dev				0.44	0.73	0.68	0.51	0.35	0.62	0.87	0.07		2.14
Net Irr					2.93	7.04	9.02	7.95	3.82	0.06			30.82
Barley				0.83	4.05	7.83	6.41	0.20					19.31
St Dev				0.34	1.01	0.73	1.41	0.34					0.53
Net Irr					2.28	6.94	5.78						15.00
Corn					0.63	2.30	7.48	7.83	3.69	0.53			22.46
St Dev					0.25	0.63	1.15	0.31	0.88	0.69			1.42
Net Irr						1.41	6.85	7.16	2.56				17.99
Melon					0.59	3.44	6.02	5.42	2.94	0.11			18.52
St Dev					0.28	0.66	0.34	0.23	0.82	0.25			1.53
Net Irr						2.56	5.39	4.75	1.81				14.51
Onion				0.01	2.49	5.20	9.13	8.18	2.86				27.87
St Dev				0.06	0.56	0.78	0.57	0.32	0.89				1.71
Net Irr					0.71	4.31	8.50	7.51	1.74				22.77
Other Hay				1.62	6.22	7.57	4.78	2.82	1.26	0.06			24.34
St Dev				0.67	0.70	0.57	0.61	0.14	0.21	0.09			1.15
Net Irr					4.45	6.69	4.15	2.15	0.14				17.58
Other Orchard				0.72	4.47	7.38	8.91	7.94	4.47	1.68	0.02		35.59
St Dev				0.41	0.71	0.61	0.47	0.32	0.56	0.84	0.07		2.01
Net Irr					2.70	6.49	8.28	7.27	3.34				28.08
Pasture			0.01	1.62	4.26	5.26	6.31	5.66	3.58	1.41	0.06		28.17
St Dev			0.04	0.48	0.43	0.41	0.34	0.24	0.58	0.77	0.14		1.83
Net Irr					2.49	4.37	5.68	4.99	2.46				19.99
Potato					0.87	3.22	6.95	5.94	2.78	0.34			20.10
St Dev					0.29	0.82	0.52	0.23	0.75	0.54			1.06
Net Irr						2.33	6.32	5.27	1.66				15.58
Sorghum					0.78	3.38	7.80	7.50	3.50				22.97
St Dev					0.31	0.71	0.60	0.32	0.74				1.21
Net Irr						2.50	7.17	6.83	2.37				18.87
Spring Grain				0.81	3.83	7.76	7.40	0.65					20.45
St Dev				0.32	0.97	0.77	1.14	0.62					0.58
Net Irr					2.06	6.87	6.77						15.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RIVERDALE

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.15, Long: -112, Elev: 4400 ft, 8/25/2011													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Winter Wheat			0.56	1.48	4.44	7.77	4.61	0.11					18.97
St Dev			0.16	0.33	1.15	0.71	1.69	0.19					0.53
Net Irr					2.66	6.88	3.98						13.52
Garden				0.01	1.36	3.07	6.38	6.56	1.89				19.26
St Dev				0.04	0.31	0.46	0.63	0.30	0.58				1.00
Net Irr						2.19	5.75	5.89	0.76				14.58
Small Fruit					0.82	3.89	8.45	8.07	3.79	0.06			25.07
St Dev					0.32	0.79	0.69	0.31	1.05	0.17			1.99
Net Irr						3.00	7.82	7.40	2.66				20.88
Turfgrass			0.02	1.80	3.56	4.64	5.57	5.00	3.29	1.49	0.08		25.45
St Dev			0.06	0.40	0.37	0.36	0.30	0.21	0.41	0.76	0.17		1.60
Net Irr				0.15	1.79	3.75	4.94	4.33	2.16				17.13
Open Water Deep	0.58	0.63	1.35	1.89	2.60	3.31	4.60	5.07	3.08	2.34	1.34	0.69	27.49
St Dev	0.08	0.11	0.21	0.28	0.33	0.37	0.39	0.34	0.27	0.30	0.20	0.09	1.42
Net Evap				0.24	0.82	2.43	3.97	4.40	1.96	0.65			14.48
Open Water Shallow	0.62	1.13	2.38	3.44	4.67	5.41	6.38	5.67	3.97	2.51	1.17	0.65	38.00
St Dev	0.07	0.15	0.23	0.31	0.37	0.35	0.29	0.21	0.21	0.24	0.14	0.08	1.37
Net Evap			0.56	1.79	2.90	4.52	5.75	5.00	2.85	0.82			24.18
Wetlands Large					0.10	3.66	9.05	8.75	5.52	1.22			28.31
St Dev					0.21	1.00	0.75	0.37	0.84	1.30			2.78
Net ET						2.77	8.42	8.08	4.39				23.67
Wetlands Narrow					0.12	4.88	12.89	12.51	7.88	1.74	0.01		40.02
St Dev					0.25	1.42	1.11	0.53	1.21	1.85	0.02		3.96
Net ET						3.99	12.26	11.84	6.76	0.05			34.90
ETr	0.71	1.22	3.12	4.68	6.48	7.73	9.28	8.34	5.66	3.53	1.62	0.79	53.16
St Dev	0.11	0.21	0.37	0.51	0.61	0.60	0.49	0.35	0.36	0.42	0.24	0.13	2.30

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ROOSEVELT RADIO

Aridity Index: 47%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.29, Long: -109.96, Elev: 5050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.13	24.44	38.73	48.06	57.45	66.37	72.76	70.67	61.13	48.79	33.42	20.54	46.62
St Dev	8.26	7.54	3.41	2.86	2.10	2.42	2.13	1.82	2.28	2.18	3.16	5.98	1.75
Precip (in)	0.61	0.56	0.62	0.68	0.84	0.43	0.45	0.63	0.82	1.05	0.59	0.50	7.78
St Dev	0.55	0.58	0.47	0.53	0.66	0.48	0.43	0.42	0.68	0.93	0.54	0.44	2.14
Aridity Adj. (F)	0.94	0.89	1.27	1.74	2.59	3.20	2.68	2.63	2.68	2.44	1.69	1.13	1.99
Est. Dewpoint (F)	6.76	11.13	16.93	20.40	27.57	32.25	37.86	39.10	31.46	25.06	15.20	8.48	22.68
Rs (langley/day)	201	300	413	513	593	651	617	543	458	331	226	173	418
Wind (mpd)	65	73	109	128	119	107	93	86	86	85	78	64	91
Calc. Wind Limit (mpd)	96	96	102	128	119	108	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				2.16	7.24	7.27	7.78	7.30	2.97	0.36			35.07
St Dev				0.94	0.78	0.59	0.51	0.52	1.61	0.67			2.83
Net Irr				1.61	6.57	6.93	7.42	6.79	2.31				31.63
Alfalfa (Dairy)				2.16	6.86	7.32	7.35	6.22	2.83	0.28			33.03
St Dev				0.94	0.60	0.57	0.43	0.39	1.41	0.54			2.45
Net Irr				1.61	6.19	6.98	7.00	5.71	2.17				29.67
Barley				0.98	5.01	9.63	6.45	0.14					22.20
St Dev				0.36	1.05	0.79	1.38	0.27					1.07
Net Irr				0.43	4.34	9.29	6.09						20.15
Corn					0.80	3.44	8.79	7.66	2.91	0.11			23.71
St Dev					0.20	0.76	0.90	0.39	1.12	0.23			1.56
Net Irr					0.13	3.10	8.43	7.16	2.25				21.07
Other Hay				2.26	7.82	9.23	5.06	2.83	1.32	0.07			28.57
St Dev				0.99	0.88	0.67	0.89	0.20	0.25	0.14			1.55
Net Irr				1.71	7.15	8.89	4.70	2.32	0.66				25.42
Pasture				1.68	5.22	6.43	6.68	5.68	3.53	0.74	0.01		29.97
St Dev				0.44	0.49	0.47	0.38	0.28	0.82	0.78	0.03		2.01
Net Irr				1.13	4.55	6.09	6.32	5.18	2.87				26.15
Sorghum					1.00	4.15	8.33	7.50	3.33				24.31
St Dev					0.24	0.55	0.60	0.43	1.15				1.58
Net Irr					0.33	3.81	7.97	7.00	2.67				21.77
Spring Grain				0.96	4.72	9.56	7.64	0.53					23.40
St Dev				0.35	0.99	0.84	1.11	0.54					1.12
Net Irr				0.41	4.05	9.21	7.28	0.02					20.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ROOSEVELT RADIO

Aridity Index: 47%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.29, Long: -109.96, Elev: 5050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.12	3.15	5.88	6.84	2.10				19.09
St Dev					0.13	0.23	0.36	0.39	1.04				1.31
Net Irr					0.45	2.80	5.53	6.33	1.44				16.56
Turfgrass				2.04	4.34	5.67	5.89	5.04	3.41	0.83	0.01		27.24
St Dev				0.46	0.38	0.42	0.34	0.25	0.61	0.83	0.05		1.76
Net Irr				1.49	3.67	5.33	5.54	4.53	2.76				23.32
Open Water Deep	0.51	0.68	1.73	2.94	3.85	4.72	5.28	4.73	3.30	2.50	1.33	0.61	32.19
St Dev	0.17	0.18	0.26	0.38	0.36	0.44	0.38	0.27	0.25	0.28	0.20	0.16	1.46
Net Evap	0.02	0.23	1.23	2.39	3.18	4.38	4.93	4.23	2.64	1.66	0.86	0.21	25.97
Open Water Shallow	0.68	1.22	2.81	4.11	5.25	5.86	6.13	5.45	4.11	2.62	1.28	0.67	40.17
St Dev	0.18	0.23	0.28	0.34	0.32	0.32	0.26	0.20	0.21	0.24	0.17	0.15	1.40
Net Evap	0.19	0.77	2.31	3.56	4.58	5.52	5.78	4.94	3.45	1.78	0.81	0.27	33.95
Wetlands Large					0.34	5.28	9.87	8.75	4.70	0.50			29.43
St Dev					0.36	1.33	0.79	0.50	1.81	0.90			3.32
Net ET						4.93	9.52	8.25	4.04				26.73
Wetlands Narrow					0.40	7.16	14.08	12.51	6.71	0.71			41.55
St Dev					0.43	1.93	1.16	0.72	2.59	1.29			4.73
Net ET						6.81	13.72	12.00	6.05				38.59
ETr	0.91	1.54	4.04	6.38	8.17	9.46	9.82	8.39	6.29	4.11	1.97	0.97	62.05
St Dev	0.29	0.34	0.53	0.71	0.68	0.69	0.56	0.42	0.44	0.53	0.35	0.27	2.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SALINA

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.96, Long: -111.86, Elev: 5131 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.39	32.65	40.91	47.59	56.87	65.88	73.04	70.88	61.47	50.09	37.54	27.91	49.35
St Dev	5.62	4.24	2.99	3.02	2.59	2.77	2.29	1.58	2.30	2.39	3.17	3.73	1.24
Precip (in)	0.78	0.79	1.13	0.93	1.06	0.52	0.57	0.80	0.88	1.16	0.87	0.74	10.23
St Dev	0.53	0.45	0.65	0.59	0.78	0.48	0.42	0.57	0.66	0.85	0.69	0.63	2.49
Aridity Adj. (F)	0.98	0.93	1.32	1.81	2.70	3.33	2.79	2.74	2.79	2.55	1.76	1.18	2.07
Est. Dewpoint (F)	19.67	21.55	22.39	22.52	29.94	34.03	40.92	40.25	31.66	26.80	21.20	18.11	27.42
Rs (langley/day)	157	218	311	386	457	528	502	438	363	254	178	141	328
Wind (mpd)	70	76	119	134	116	107	93	95	84	79	75	69	93
Calc. Wind Limit (mpd)	96	96	119	132	112	102	96	97	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				1.42	6.39	6.60	7.33	7.25	3.07	0.31			32.35
St Dev				0.67	0.67	0.52	0.46	0.62	1.44	0.63			2.50
Net Irr				0.67	5.54	6.18	6.88	6.61	2.36				28.24
Alfalfa (Dairy)				1.42	6.13	6.65	6.86	6.17	2.99	0.25			30.47
St Dev				0.67	0.50	0.54	0.34	0.32	1.29	0.50			2.20
Net Irr				0.67	5.29	6.23	6.40	5.53	2.29				26.41
Apples / Cherries					3.95	8.33	9.56	8.64	5.67	1.13			37.28
St Dev					0.34	0.62	0.44	0.45	0.80	0.99			2.12
Net Irr					3.10	7.92	9.11	8.00	4.97	0.20			33.29
Barley				0.83	4.52	8.76	5.54	0.08					19.73
St Dev				0.34	0.97	0.74	1.47	0.20					0.66
Net Irr				0.08	3.67	8.34	5.09						17.18
Corn					0.33	2.57	7.72	7.70	3.07	0.07			21.46
St Dev					0.22	0.62	0.92	0.46	1.05	0.15			1.53
Net Irr						2.16	7.26	7.06	2.37				18.85
Melon					0.29	2.93	5.86	5.26	2.19	0.06			16.59
St Dev					0.20	0.57	0.32	0.47	1.21	0.16			1.68
Net Irr						2.51	5.41	4.62	1.48				14.03
Other Hay				1.42	6.74	8.71	5.30	2.92	1.45	0.10			26.65
St Dev				0.69	0.66	0.67	0.68	0.19	0.24	0.11			1.23
Net Irr				0.68	5.89	8.29	4.85	2.28	0.74				22.74
Other Orchard					3.71	7.88	8.82	7.98	5.17	1.02			34.59
St Dev					0.32	0.59	0.41	0.41	0.72	0.91			1.95
Net Irr					2.86	7.46	8.37	7.34	4.47	0.09			30.59
Pasture				1.67	4.73	5.86	6.25	5.64	3.61	0.72			28.49
St Dev				0.53	0.39	0.44	0.29	0.29	0.68	0.71			1.89
Net Irr				0.93	3.88	5.44	5.80	4.99	2.91				23.95
Spring Grain				0.81	4.28	8.71	6.64	0.35					20.79
St Dev				0.33	0.92	0.78	1.21	0.42					0.71
Net Irr				0.07	3.43	8.29	6.19						17.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SALINA

Aridity Index: 49%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.96, Long: -111.86, Elev: 5131 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.06	2.92	5.59	6.61	2.01	0.01			18.20
St Dev					0.20	0.31	0.43	0.58	1.00	0.04			1.43
Net Irr					0.21	2.50	5.14	5.97	1.30				15.12
Turfgrass			0.01	1.99	3.94	5.17	5.52	4.99	3.47	0.84			25.92
St Dev			0.03	0.48	0.34	0.39	0.25	0.26	0.52	0.76			1.68
Net Irr				1.25	3.09	4.75	5.06	4.35	2.77				21.27
Open Water Deep	0.77	0.93	2.14	3.06	3.60	4.55	5.45	5.52	3.51	2.58	1.55	0.86	34.52
St Dev	0.16	0.17	0.30	0.41	0.37	0.48	0.40	0.28	0.29	0.28	0.22	0.14	1.58
Net Evap	0.15	0.30	1.24	2.31	2.75	4.13	5.00	4.88	2.81	1.65	0.85	0.26	26.34
Open Water Shallow	0.78	1.23	2.56	3.52	4.44	5.13	5.49	4.96	3.70	2.40	1.30	0.76	36.28
St Dev	0.13	0.16	0.23	0.30	0.26	0.28	0.19	0.17	0.18	0.20	0.15	0.11	1.03
Net Evap	0.16	0.60	1.66	2.78	3.59	4.72	5.04	4.32	3.00	1.47	0.60	0.17	28.10
Wetlands Large						2.41	8.00	8.70	4.98	0.41			24.50
St Dev						0.82	0.81	0.47	1.62	0.84			2.88
Net ET						1.99	7.54	8.06	4.28				21.87
Wetlands Narrow						3.10	11.29	12.43	7.12	0.59			34.52
St Dev						1.11	1.20	0.68	2.32	1.20			4.11
Net ET						2.68	10.83	11.79	6.41				31.72
ETr	1.19	1.80	4.21	6.00	7.35	8.62	9.19	8.31	6.14	4.11	2.22	1.26	60.39
St Dev	0.24	0.30	0.52	0.67	0.56	0.64	0.42	0.43	0.41	0.46	0.33	0.25	2.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SALINA 24 E

Aridity Index: 47%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.91, Long: -111.42, Elev: 7560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.26	26.19	33.15	39.81	49.35	58.38	65.65	63.65	54.71	44.38	31.28	23.05	42.74
St Dev	4.25	4.05	3.42	3.38	2.57	3.03	2.86	1.65	2.14	2.85	3.36	3.53	1.21
Precip (in)	1.21	1.21	1.31	0.99	1.14	0.75	1.04	1.20	1.28	1.36	1.20	1.02	13.70
St Dev	0.97	0.99	0.95	0.79	0.84	0.74	0.66	0.88	1.11	1.06	1.06	0.74	3.39
Aridity Adj. (F)	0.94	0.89	1.27	1.74	2.59	3.20	2.68	2.63	2.68	2.44	1.69	1.13	1.99
Est. Dewpoint (F)	19.02	19.89	21.57	18.97	27.65	29.90	36.99	38.22	30.24	27.68	18.56	15.65	25.36
Rs (langley/day)	180	312	451	556	623	682	669	542	513	359	261	199	446
Wind (mpd)	51	61	98	137	115	116	99	91	91	75	70	53	88
Calc. Wind Limit (mpd)	96	96	119	132	121	106	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				1.63	5.23	6.50	7.66	5.38	3.01	0.37			29.77
St Dev				0.48	0.65	0.50	1.41	1.07	1.15	0.69			2.57
Net Irr				0.84	4.32	5.90	6.83	4.42	1.99				24.29
Alfalfa (Dairy)				1.63	5.23	6.09	6.63	5.17	3.02	0.33			28.10
St Dev				0.48	0.65	0.37	1.05	0.90	1.10	0.63			2.59
Net Irr				0.84	4.32	5.48	5.80	4.21	2.00				22.66
Other Hay				1.84	6.19	7.67	4.42	2.38	1.16	0.03			23.71
St Dev				0.56	0.63	0.53	0.73	0.14	0.18	0.06			1.47
Net Irr				1.05	5.29	7.07	3.59	1.42	0.14				18.56
Pasture				1.34	4.12	5.36	6.05	4.82	3.23	0.67			25.59
St Dev				0.19	0.37	0.39	0.94	0.24	0.63	0.58			1.82
Net Irr				0.55	3.21	4.76	5.22	3.86	2.21				19.80

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SALINA 24 E

Aridity Index: 47%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 38.91, Long: -111.42, Elev: 7560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden					0.52	2.32	4.68	5.64	2.26	0.06			15.48
St Dev					0.08	0.17	0.72	0.44	1.13	0.13			1.60
Net Irr						1.72	3.85	4.68	1.24				11.49
Turfgrass				1.62	3.41	4.73	5.34	4.27	3.08	0.77			23.22
St Dev				0.22	0.31	0.34	0.83	0.22	0.45	0.63			1.59
Net Irr				0.83	2.50	4.13	4.51	3.31	2.06				17.33
Open Water Deep	0.39	0.45	0.99	2.09	2.51	3.50	4.30	3.82	2.74	1.73	1.04	0.49	24.06
St Dev	0.07	0.09	0.19	0.30	0.29	0.38	0.69	0.24	0.23	0.23	0.16	0.09	1.53
Net Evap				1.30	1.60	2.90	3.47	2.86	1.72	0.64	0.08		14.57
Open Water Shallow	0.71	1.29	2.65	3.90	4.90	5.62	6.30	5.14	4.22	2.56	1.34	0.77	39.41
St Dev	0.11	0.19	0.31	0.36	0.36	0.34	0.98	0.23	0.24	0.26	0.17	0.11	1.88
Net Evap		0.32	1.61	3.10	3.99	5.01	5.47	4.18	3.20	1.47	0.38		28.74
Wetlands Large					0.01	3.62	8.59	7.25	4.40	0.47			24.33
St Dev					0.02	0.64	1.48	1.26	1.61	0.82			3.49
Net ET						3.01	7.76	6.29	3.37				20.44
Wetlands Narrow					0.01	4.78	12.24	10.35	6.28	0.67			34.34
St Dev					0.02	0.87	2.12	1.80	2.30	1.17			4.98
Net ET						4.18	11.41	9.39	5.26				30.24
ETr	0.73	1.24	2.89	4.90	6.36	7.88	8.90	7.11	5.48	3.09	1.52	0.78	50.88
St Dev	0.13	0.21	0.42	0.54	0.56	0.57	1.38	0.37	0.38	0.36	0.21	0.13	2.86

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SALT LAKE CITY INTL AP

Aridity Index: 93%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.78, Long: -111.97, Elev: 4225 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.26	34.39	43.48	50.46	59.61	69.91	78.59	76.67	65.84	53.24	40.20	30.65	52.69
St Dev	5.31	4.29	2.85	3.20	3.00	3.08	2.81	2.09	2.68	2.57	3.36	3.67	1.18
Precip (in)	1.33	1.35	1.89	2.05	1.90	0.84	0.66	0.73	1.27	1.53	1.42	1.35	16.31
St Dev	0.71	0.79	0.86	1.15	1.11	0.75	0.57	0.62	1.34	1.02	0.74	1.00	3.83
Aridity Adj. (F)	1.86	1.77	2.51	3.44	5.12	6.32	5.30	5.21	5.30	4.84	3.35	2.23	3.94
Est. Dewpoint (F)	21.00	23.77	27.16	28.77	33.81	39.18	46.00	46.11	39.02	32.65	26.66	22.07	32.18
Rs (langleys/day)	167	259	387	495	591	668	648	559	460	323	206	152	410
Wind (mpd)	70	74	99	110	100	91	84	91	80	79	76	69	85
Calc. Wind Limit (mpd)	96	96	96	108	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)			0.01	2.65	6.10	6.76	7.17	7.08	4.88	1.51	0.06		36.21
St Dev			0.04	0.67	0.42	0.78	0.34	0.49	0.67	0.79	0.16		1.93
Net Irr				1.01	4.59	6.09	6.64	6.49	3.86	0.29			28.97
Alfalfa (Dairy)			0.01	2.65	5.54	6.37	7.12	6.43	4.22	1.68	0.07		34.08
St Dev			0.04	0.67	0.36	0.43	0.35	0.24	0.46	0.84	0.17		1.82
Net Irr				1.01	4.03	5.70	6.59	5.84	3.20	0.45			26.82
Apples / Cherries				1.57	5.70	8.62	9.80	8.66	4.80	1.93			41.09
St Dev				0.48	0.64	0.61	0.43	0.25	0.36	0.37			1.76
Net Irr					4.19	7.95	9.27	8.08	3.79	0.71			33.98
Barley			0.03	1.35	5.20	8.43	3.86						18.88
St Dev			0.05	0.41	0.94	0.58	1.60						0.63
Net Irr					3.68	7.76	3.32						14.77
Corn					1.04	3.37	8.66	6.81	1.54	0.09			21.50
St Dev					0.24	0.98	0.77	0.92	1.17	0.28			1.26
Net Irr						2.70	8.13	6.22	0.53				17.58
Other Hay			0.01	2.81	6.91	7.43	4.07	2.67	1.02				24.91
St Dev			0.04	0.71	0.56	0.70	0.36	0.12	0.21				1.22
Net Irr				1.17	5.39	6.76	3.54	2.08					18.95
Other Orchard				1.46	5.45	7.97	9.05	7.96	4.34	1.91			38.14
St Dev				0.45	0.61	0.56	0.39	0.23	0.31	0.36			1.64
Net Irr					3.93	7.30	8.51	7.37	3.33	0.69			31.14
Pasture			0.11	2.38	4.59	5.65	6.41	5.79	3.82	1.91	0.21		30.86
St Dev			0.13	0.42	0.36	0.39	0.28	0.18	0.26	0.43	0.31		1.57
Net Irr				0.74	3.07	4.98	5.88	5.20	2.80	0.69			23.36
Spring Grain			0.03	1.30	4.96	8.48	5.10	0.08					19.96
St Dev			0.05	0.38	0.95	0.62	1.59	0.18					0.67
Net Irr					3.45	7.81	4.57						15.83

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SALT LAKE CITY INTL AP

Aridity Index: 93%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.78, Long: -111.97, Elev: 4225 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.14	1.82	3.89	7.15	6.12	1.22				20.35
St Dev				0.15	0.23	0.49	0.50	0.33	0.43				0.76
Net Irr					0.30	3.23	6.62	5.53	0.21				15.89
Turfgrass			0.18	2.34	3.92	4.98	5.65	5.11	3.42	1.95	0.23		27.78
St Dev			0.21	0.30	0.32	0.35	0.25	0.16	0.22	0.36	0.33		1.38
Net Irr				0.71	2.40	4.31	5.12	4.52	2.40	0.73			20.19
Open Water Deep	0.79	0.89	1.59	2.24	2.85	3.85	5.18	5.60	3.18	2.34	1.40	0.81	30.72
St Dev	0.15	0.15	0.20	0.31	0.33	0.42	0.42	0.30	0.29	0.27	0.20	0.11	1.43
Net Evap			0.08	0.60	1.33	3.18	4.65	5.01	2.17	1.11	0.27		18.40
Open Water Shallow	0.78	1.33	2.76	3.87	5.03	5.86	6.51	5.86	4.20	2.59	1.25	0.72	40.76
St Dev	0.13	0.17	0.24	0.33	0.34	0.35	0.25	0.16	0.24	0.22	0.15	0.09	1.31
Net Evap		0.25	1.25	2.23	3.51	5.19	5.97	5.27	3.19	1.37	0.12		28.35
Wetlands Large					0.57	5.47	9.74	8.94	5.97	2.80	0.14		33.62
St Dev					0.37	0.94	0.49	0.28	0.40	1.07	0.30		2.50
Net ET						4.80	9.21	8.35	4.96	1.58			28.89
Wetlands Narrow					0.68	7.53	13.91	12.77	8.53	4.00	0.19		47.61
St Dev					0.47	1.39	0.71	0.41	0.57	1.53	0.42		3.56
Net ET						6.87	13.38	12.18	7.51	2.78			42.72
ETr	0.97	1.58	3.50	5.17	6.81	8.30	9.42	8.51	5.70	3.48	1.67	0.90	56.01
St Dev	0.17	0.23	0.35	0.51	0.52	0.58	0.41	0.27	0.37	0.35	0.24	0.13	2.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SANTAQUIN CHLORINATOR

Aridity Index: 67%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.96, Long: -111.78, Elev: 5160 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.13	32.78	40.96	48.11	57.55	67.31	75.88	73.69	63.37	51.35	38.18	29.07	50.53
St Dev	5.38	4.05	3.29	3.53	3.03	3.67	3.28	2.49	3.44	3.20	3.80	3.72	1.67
Precip (in)	1.56	1.68	1.99	1.99	2.01	0.85	0.67	0.90	1.36	2.22	1.78	1.55	18.56
St Dev	1.13	0.97	0.94	1.08	1.41	0.83	0.52	0.82	1.83	1.69	0.95	0.98	4.97
Aridity Adj. (F)	1.34	1.27	1.81	2.48	3.69	4.56	3.82	3.75	3.82	3.48	2.41	1.61	2.84
Est. Dewpoint (F)	18.94	19.71	21.65	25.49	31.35	36.13	42.31	40.95	32.84	28.90	21.44	19.00	28.23
Rs (langley/day)	185	269	354	462	566	657	643	563	472	326	202	158	405
Wind (mpd)	60	57	90	89	77	68	59	56	53	45	51	50	63
Calc. Wind Limit (mpd)	96	96	101	109	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				2.11	5.75	6.06	6.53	6.14	3.90	0.71	0.02		31.22
St Dev				0.61	0.44	0.59	0.37	0.30	1.11	0.67	0.09		2.03
Net Irr				0.52	4.14	5.38	5.99	5.42	2.81				24.26
Alfalfa (Dairy)				2.11	5.32	5.89	6.29	5.46	3.51	0.73	0.01		29.32
St Dev				0.61	0.33	0.34	0.30	0.21	0.80	0.75	0.04		1.84
Net Irr				0.52	3.71	5.20	5.76	4.74	2.42				22.35
Apples / Cherries				1.03	4.96	7.91	8.71	7.46	4.51	1.59	0.01		36.19
St Dev				0.33	0.50	0.49	0.33	0.19	0.35	0.55	0.03		1.70
Net Irr					3.35	7.22	8.18	6.73	3.42				28.91
Barley			0.01	1.08	4.50	7.78	4.21	0.07					17.64
St Dev			0.03	0.35	0.99	0.49	1.71	0.16					0.64
Net Irr					2.89	7.09	3.67						13.65
Corn					0.79	2.84	7.51	6.16	1.97	0.09			19.36
St Dev					0.22	0.81	0.80	0.63	1.19	0.19			0.91
Net Irr						2.16	6.97	5.43	0.88				15.44
Other Hay				2.23	6.41	7.17	3.87	2.35	1.03	0.01			23.07
St Dev				0.65	0.52	0.55	0.39	0.10	0.17	0.04			0.99
Net Irr				0.63	4.80	6.49	3.33	1.63					16.87
Other Orchard				0.97	4.74	7.33	8.04	6.86	4.06	1.56	0.01		33.58
St Dev				0.29	0.50	0.44	0.31	0.17	0.32	0.54	0.03		1.60
Net Irr					3.13	6.65	7.51	6.14	2.97				26.40
Pasture			0.06	2.04	4.31	5.20	5.70	4.92	3.39	1.34	0.07		27.03
St Dev			0.10	0.43	0.31	0.31	0.22	0.13	0.33	0.55	0.15		1.51
Net Irr				0.45	2.69	4.52	5.16	4.20	2.30				19.33
Potato					1.06	3.76	6.37	4.68	1.35	0.04			17.26
St Dev					0.27	0.91	0.29	0.54	1.02	0.13			0.76
Net Irr						3.08	5.84	3.95	0.26				13.13
Safflower					1.80	7.46	8.38	7.15	3.90	0.74			29.42
St Dev					0.86	0.60	0.32	0.20	0.57	0.33			1.69
Net Irr					0.19	6.78	7.84	6.43	2.81				24.04
Sorghum					0.99	3.80	7.25	6.52	2.66				21.23
St Dev					0.28	0.68	0.40	0.18	0.72				0.87
Net Irr						3.12	6.72	5.80	1.57				17.20
Spring Grain			0.01	1.05	4.28	7.77	5.27	0.22					18.59
St Dev			0.03	0.33	0.97	0.55	1.55	0.39					0.66
Net Irr					2.67	7.08	4.73						14.48
Winter Wheat			0.77	1.66	4.85	7.53	2.76	0.04					17.62
St Dev			0.18	0.36	1.13	0.43	1.74	0.10					0.61
Net Irr				0.07	3.24	6.84	2.23						12.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SANTAQUIN CHLORINATOR

Aridity Index: 67%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.96, Long: -111.78, Elev: 5160 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden				0.03	1.56	3.28	6.07	5.50	1.38				17.81
St Dev				0.08	0.26	0.39	0.46	0.19	0.46				0.81
Net Irr						2.60	5.53	4.78	0.29				13.19
Turfgrass			0.10	2.11	3.64	4.59	5.03	4.35	3.08	1.42	0.09		24.41
St Dev			0.16	0.32	0.28	0.27	0.19	0.12	0.24	0.51	0.18		1.32
Net Irr				0.52	2.03	3.91	4.49	3.62	1.99				16.57
Open Water Deep	0.71	0.75	1.64	1.90	2.38	2.98	3.70	3.53	2.32	1.44	1.06	0.64	23.06
St Dev	0.12	0.12	0.24	0.27	0.27	0.35	0.34	0.23	0.25	0.17	0.16	0.10	1.39
Net Evap			0.05	0.31	0.77	2.29	3.17	2.81	1.23				10.63
Open Water Shallow	0.88	1.39	2.63	3.61	4.79	5.62	6.21	5.55	4.14	2.52	1.28	0.77	39.39
St Dev	0.10	0.16	0.24	0.30	0.30	0.29	0.22	0.14	0.23	0.20	0.14	0.10	1.20
Net Evap		0.05	1.04	2.02	3.18	4.94	5.67	4.83	3.05	0.75			25.53
Wetlands Large					0.24	4.29	8.46	7.60	5.14	1.29	0.02		27.05
St Dev					0.24	0.83	0.47	0.20	0.84	1.11	0.10		2.51
Net ET						3.60	7.93	6.88	4.05				22.46
Wetlands Narrow					0.28	5.81	12.08	10.86	7.34	1.85	0.03		38.24
St Dev					0.29	1.22	0.67	0.29	1.21	1.58	0.14		3.58
Net ET						5.12	11.54	10.14	6.25	0.07			33.13
ETr	1.08	1.65	3.61	4.89	6.43	7.65	8.38	7.24	5.17	2.96	1.63	0.95	51.64
St Dev	0.13	0.21	0.39	0.47	0.46	0.45	0.32	0.20	0.30	0.25	0.20	0.15	1.75

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SCIPIO

Aridity Index: 44%, Temp. Adj. (F): 2.5, Period: 1971-2008, Lat: 39.25, Long: -112.11, Elev: 5315 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.00	31.48	39.88	46.69	55.42	64.95	73.20	70.97	60.99	49.20	36.86	26.78	48.54
St Dev	6.36	4.50	3.11	3.07	2.92	2.94	2.69	2.42	2.31	2.50	3.24	4.69	1.49
Precip (in)	1.25	1.28	1.35	1.24	1.38	0.70	0.78	1.00	1.08	1.57	1.22	1.12	13.96
St Dev	0.95	0.87	0.77	0.74	0.99	0.71	0.55	0.85	0.85	1.07	0.81	0.88	3.44
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	19.46	20.75	20.97	23.23	28.63	34.54	42.59	40.97	31.64	26.21	21.13	18.00	27.34
Rs (langley/day)	160	222	314	400	470	534	511	448	366	263	185	145	335
Wind (mpd)	75	80	127	132	118	107	96	99	83	80	78	73	96
Calc. Wind Limit (mpd)	96	96	124	132	116	107	99	108	96	96	96	96	105
.....Inches.....													
Alfalfa (Beef)				1.94	6.99	7.13	7.41	7.51	4.06	0.39			35.42
St Dev				0.76	0.60	0.59	0.34	0.48	1.51	0.59			2.46
Net Irr				0.95	5.89	6.57	6.79	6.70	3.20				30.09
Alfalfa (Dairy)				1.94	6.44	7.00	7.26	6.67	3.59	0.33			33.23
St Dev				0.76	0.43	0.44	0.36	0.30	1.32	0.59			2.28
Net Irr				0.95	5.34	6.45	6.64	5.87	2.72				27.97
Barley				1.08	5.46	9.24	4.22	0.01					20.02
St Dev				0.39	1.01	0.58	1.68	0.05					0.76
Net Irr				0.09	4.36	8.68	3.60						16.73
Corn					0.55	3.24	8.70	7.56	1.88	0.02			21.96
St Dev					0.24	0.78	0.73	0.67	1.10	0.06			1.34
Net Irr						2.68	8.08	6.76	1.02				18.54
Other Hay				1.95	7.50	9.00	5.10	3.04	1.45	0.08			28.12
St Dev				0.79	0.68	0.62	0.64	0.15	0.24	0.09			1.07
Net Irr				0.96	6.39	8.44	4.48	2.24	0.58				23.10
Pasture			0.02	2.06	5.18	6.17	6.53	6.04	3.88	1.09	0.02		30.98
St Dev			0.07	0.58	0.41	0.37	0.25	0.22	0.67	0.89	0.08		1.86
Net Irr				1.07	4.07	5.61	5.91	5.23	3.02				24.92
Sorghum					0.69	3.48	7.80	8.01	4.12				24.10
St Dev					0.30	0.57	0.51	0.30	1.02				1.45
Net Irr						2.92	7.18	7.21	3.26				20.56
Spring Grain				1.05	5.20	9.25	5.47	0.11					21.08
St Dev				0.37	0.99	0.62	1.61	0.24					0.79
Net Irr				0.06	4.10	8.69	4.85						17.69
Winter Wheat			0.82	2.20	6.36	8.70	2.20						20.27
St Dev			0.25	0.43	1.10	0.72	1.47						0.79
Net Irr				1.21	5.25	8.14	1.58						16.18

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SCIPIO

Aridity Index: 44%, Temp. Adj. (F): 2.5, Period: 1971-2008, Lat: 39.25, Long: -112.11, Elev: 5315 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.44	3.36	6.30	6.98	2.00				20.08
St Dev					0.27	0.36	0.47	0.91	0.72				1.50
Net Irr					0.33	2.80	5.68	6.18	1.14				16.13
Turfgrass			0.03	2.34	4.32	5.45	5.76	5.34	3.67	1.22	0.02		28.15
St Dev			0.12	0.48	0.36	0.33	0.22	0.20	0.47	0.93	0.11		1.63
Net Irr				1.35	3.22	4.89	5.14	4.54	2.81				21.94
Open Water Deep	0.92	1.13	2.60	3.32	4.13	5.17	6.24	6.58	3.93	2.93	1.81	1.02	39.79
St Dev	0.17	0.19	0.35	0.41	0.42	0.49	0.46	0.37	0.25	0.30	0.27	0.19	1.66
Net Evap		0.11	1.52	2.33	3.03	4.61	5.62	5.78	3.06	1.67	0.83	0.12	28.70
Open Water Shallow	0.85	1.34	2.76	3.71	4.68	5.34	5.74	5.25	3.86	2.56	1.42	0.84	38.36
St Dev	0.11	0.17	0.26	0.28	0.25	0.24	0.17	0.14	0.14	0.20	0.18	0.13	0.84
Net Evap		0.32	1.68	2.72	3.57	4.78	5.12	4.45	2.99	1.31	0.45		27.40
Wetlands Large					0.01	3.25	8.88	9.35	5.53	0.69			27.71
St Dev					0.06	0.87	0.64	0.36	1.43	1.10			2.87
Net ET						2.69	8.26	8.54	4.67				24.16
Wetlands Narrow					0.01	4.24	12.59	13.35	7.91	0.99			39.09
St Dev					0.07	1.19	0.96	0.51	2.05	1.57			4.10
Net ET						3.68	11.97	12.55	7.04				35.24
ETr	1.33	2.01	4.64	6.30	7.90	9.08	9.61	8.90	6.42	4.42	2.45	1.43	64.50
St Dev	0.19	0.31	0.61	0.64	0.58	0.55	0.37	0.34	0.32	0.48	0.40	0.29	1.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SCOFIELD DAM

Aridity Index: 38%, Temp. Adj. (F): -1, Period: 1971-2008, Lat: 39.79, Long: -111.12, Elev: 7630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	11.73	15.38	25.15	34.46	46.08	55.52	63.63	61.49	51.69	40.64	25.42	13.85	37.09
St Dev	4.20	3.92	4.07	4.32	3.30	3.22	3.48	3.44	2.51	2.95	4.19	4.49	1.45
Precip (in)	1.15	1.12	1.09	1.10	1.03	0.64	0.82	1.05	1.08	1.20	1.14	1.00	12.41
St Dev	0.91	0.76	0.50	0.72	0.66	0.51	0.68	0.82	0.75	0.89	0.78	0.83	2.74
Aridity Adj. (F)	0.76	0.72	1.03	1.41	2.09	2.58	2.17	2.13	2.17	1.98	1.37	0.91	1.61
Est. Dewpoint (F)	1.48	1.25	6.91	12.48	21.44	26.19	31.83	32.55	24.08	20.16	9.85	2.40	15.89
Rs (langley/day)	221	324	419	533	579	687	579	549	468	348	249	172	427
Wind (mpd)	80	83	123	141	124	113	100	98	94	91	88	79	101
Calc. Wind Limit (mpd)	96	96	125	132	125	113	100	100	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)					3.09	7.15	6.49	5.16	1.75				23.66
St Dev					0.55	0.64	0.82	1.26	1.56				3.49
Net Irr					2.27	6.64	5.84	4.33	0.88				19.96
Alfalfa (Dairy)					3.09	6.79	6.42	4.99	1.28	0.01			22.58
St Dev					0.55	0.49	0.50	1.30	1.13	0.06			2.55
Net Irr					2.27	6.28	5.77	4.15	0.42				18.88
Other Hay					3.40	8.05	7.72	3.14	1.17	0.03			23.51
St Dev					0.51	0.64	0.54	0.28	0.50	0.06			1.59
Net Irr					2.58	7.54	7.06	2.30	0.30				19.79
Pasture					2.13	5.23	5.76	5.01	2.09	0.05			20.28
St Dev					0.26	0.39	0.43	0.52	1.04	0.12			1.77
Net Irr					1.31	4.72	5.11	4.17	1.22				16.53

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SCOFIELD DAM

Aridity Index: 38%, Temp. Adj. (F): -1, Period: 1971-2008, Lat: 39.79, Long: -111.12, Elev: 7630 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.53	3.17	4.97	1.23				10.91
St Dev						0.12	0.24	0.38	1.10				1.46
Net Irr						1.02	2.51	4.13	0.37				8.03
Turfgrass					2.39	4.36	5.09	4.47	2.14	0.06			18.50
St Dev					0.29	0.32	0.38	0.43	0.96	0.15			1.60
Net Irr					1.57	3.85	4.43	3.63	1.27				14.74
Open Water Deep	0.53	0.58	1.20	1.73	2.62	3.41	4.29	4.08	2.73	2.02	1.13	0.59	24.92
St Dev	0.09	0.09	0.19	0.29	0.38	0.40	0.56	0.44	0.25	0.26	0.20	0.11	1.76
Net Evap			0.32	0.86	1.80	2.90	3.63	3.24	1.86	1.06	0.22		15.90
Open Water Shallow	0.69	1.12	2.25	3.39	4.50	5.48	5.47	5.12	3.82	2.44	1.20	0.62	36.09
St Dev	0.09	0.13	0.23	0.34	0.39	0.33	0.32	0.22	0.22	0.23	0.16	0.09	1.37
Net Evap		0.22	1.38	2.51	3.68	4.97	4.82	4.28	2.95	1.48	0.28		26.57
Wetlands Large						1.31	6.43	7.31	2.38	0.02			17.44
St Dev						0.63	1.12	1.40	1.92	0.09			3.68
Net ET						0.80	5.77	6.47	1.51				14.55
Wetlands Narrow						1.64	8.97	10.44	3.40	0.02			24.46
St Dev						0.82	1.66	2.00	2.74	0.14			5.25
Net ET						1.13	8.31	9.60	2.53				21.56
ETr	0.94	1.43	2.92	4.41	6.29	7.90	8.48	7.54	5.49	3.42	1.62	0.93	51.37
St Dev	0.18	0.22	0.35	0.53	0.68	0.59	0.63	0.38	0.38	0.41	0.27	0.17	2.36

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SNAKE CREEK POWERHOUSE

Aridity Index: 42%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.55, Long: -111.5, Elev: 6010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.70	26.37	34.99	42.70	51.15	59.10	66.37	64.89	56.24	45.89	33.40	23.85	43.97
St Dev	4.29	4.09	3.66	3.50	2.69	2.62	2.81	2.39	2.37	2.76	3.21	3.30	1.73
Precip (in)	2.75	2.58	1.84	1.61	1.74	0.87	0.93	1.16	1.53	1.94	2.27	2.40	21.62
St Dev	2.02	1.78	1.08	0.90	1.17	0.82	0.88	0.69	1.52	1.30	1.28	1.73	4.70
Aridity Adj. (F)	0.84	0.80	1.13	1.55	2.31	2.86	2.39	2.35	2.39	2.18	1.51	1.01	1.78
Est. Dewpoint (F)	12.11	12.96	16.78	19.39	24.06	27.19	31.38	32.33	26.70	23.11	17.58	13.00	21.38
Rs (langley/day)	174	262	351	459	563	638	613	567	456	307	224	154	397
Wind (mpd)	46	49	73	83	97	82	68	72	61	72	64	44	68
Calc. Wind Limit (mpd)	96	96	98	112	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				0.26	4.20	6.51	6.57	4.76	1.55	0.01			23.86
St Dev				0.17	0.80	0.39	0.86	1.06	1.39	0.02			2.85
Net Irr					2.81	5.81	5.83	3.84	0.33				18.61
Alfalfa (Dairy)				0.26	4.20	5.94	6.02	4.83	1.29	0.01			22.55
St Dev				0.17	0.80	0.40	0.41	1.30	1.29	0.02			2.83
Net Irr					2.81	5.25	5.28	3.91	0.06				17.30
Barley				0.14	1.89	5.72	8.11	4.22	0.14				20.23
St Dev				0.07	0.48	1.14	0.54	1.51	0.29				0.93
Net Irr					0.50	5.02	7.37	3.29					16.19
Other Hay				0.26	4.78	7.62	5.92	2.75	0.94	0.04			22.31
St Dev				0.17	0.84	0.66	0.58	0.18	0.42	0.08			1.48
Net Irr					3.39	6.92	5.18	1.83					17.32
Pasture				0.21	3.16	4.98	5.41	4.80	1.87	0.08			20.52
St Dev				0.07	0.34	0.42	0.38	0.43	0.98	0.20			1.78
Net Irr					1.77	4.28	4.67	3.88	0.65				15.25
Spring Grain				0.14	1.82	5.46	8.13	5.07	0.36				20.97
St Dev				0.07	0.44	1.13	0.59	1.38	0.47				1.32
Net Irr					0.42	4.76	7.39	4.14					16.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SNAKE CREEK POWERHOUSE

Aridity Index: 42%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.55, Long: -111.5, Elev: 6010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.42	2.98	4.71	0.72				9.82
St Dev						0.11	0.21	0.43	0.82				1.17
Net Irr						0.72	2.24	3.78					6.74
Turfgrass				0.35	2.94	4.29	4.77	4.31	1.92	0.11			18.69
St Dev				0.12	0.29	0.36	0.33	0.33	0.91	0.25			1.58
Net Irr					1.54	3.59	4.03	3.38	0.69				13.25
Open Water Deep	0.38	0.42	0.86	1.29	2.21	2.58	3.03	3.20	1.89	1.75	0.93	0.39	18.93
St Dev	0.06	0.07	0.17	0.22	0.27	0.30	0.33	0.28	0.18	0.24	0.15	0.05	1.47
Net Evap					0.81	1.88	2.29	2.27	0.66	0.20			8.13
Open Water Shallow	0.65	1.05	2.11	3.13	4.38	5.03	5.44	5.09	3.62	2.25	1.13	0.58	34.46
St Dev	0.08	0.12	0.28	0.34	0.34	0.33	0.30	0.25	0.23	0.23	0.15	0.07	1.71
Net Evap			0.63	1.85	2.99	4.33	4.70	4.16	2.39	0.69			21.75
Wetlands Large						1.24	6.14	7.01	2.00	0.02			16.40
St Dev						0.37	0.75	1.56	1.74	0.09			3.26
Net ET						0.54	5.40	6.08	0.78				12.80
Wetlands Narrow						1.54	8.58	10.01	2.86	0.03			23.01
St Dev						0.48	1.10	2.23	2.49	0.12			4.65
Net ET						0.84	7.84	9.08	1.63				19.40
ETr	0.77	1.22	2.68	4.18	6.22	7.34	7.96	7.28	4.87	3.29	1.47	0.69	47.97
St Dev	0.12	0.16	0.43	0.55	0.60	0.62	0.55	0.45	0.38	0.44	0.25	0.11	2.92

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SNOWVILLE

Aridity Index: 16%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.97, Long: -112.72, Elev: 4560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	16.60	21.40	31.77	40.74	50.82	60.27	70.08	68.47	56.52	44.33	30.48	19.16	42.56
St Dev	6.28	6.22	4.61	3.34	2.93	3.58	3.64	2.53	3.40	2.40	4.20	4.95	1.67
Precip (in)	1.14	0.94	1.16	1.26	1.80	0.91	0.79	0.73	0.90	1.13	1.04	1.22	13.03
St Dev	0.82	0.62	0.75	0.82	1.16	0.68	0.82	0.59	0.76	0.82	0.70	0.92	3.83
Aridity Adj. (F)	0.32	0.30	0.43	0.59	0.88	1.09	0.91	0.90	0.91	0.83	0.58	0.38	0.68
Est. Dewpoint (F)	4.76	7.79	11.74	15.35	23.35	29.99	35.63	34.64	25.76	20.64	13.08	4.88	18.97
Rs (langley/day)	216	287	390	500	620	660	601	575	453	345	226	167	420
Wind (mpd)	100	103	139	163	136	130	121	127	116	120	110	100	122
Calc. Wind Limit (mpd)	96	96	114	132	113	105	103	106	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)					3.32	7.81	8.60	6.08	2.06	0.01			27.88
St Dev					0.48	0.48	1.04	1.74	1.82	0.05			3.68
Net Irr					1.87	7.08	7.97	5.50	1.34				23.76
Alfalfa (Dairy)					3.32	6.99	7.79	6.65	1.34	0.01			26.10
St Dev					0.48	0.38	0.91	1.87	1.36	0.04			3.24
Net Irr					1.87	6.26	7.16	6.07	0.63				21.99
Barley					1.42	6.72	10.41	2.75					21.30
St Dev					0.30	1.01	0.84	1.39					1.81
Net Irr						5.99	9.78	2.16					17.93
Other Hay					3.34	8.91	9.98	4.32	1.10	0.01			27.67
St Dev					0.41	0.68	0.70	0.52	0.69	0.05			1.55
Net Irr					1.90	8.18	9.35	3.74	0.39				23.55
Pasture					2.02	5.77	7.10	6.31	1.83	0.02			23.05
St Dev					0.25	0.44	0.49	0.97	1.29	0.07			2.04
Net Irr					0.58	5.04	6.47	5.72	1.11				18.93
Safflower						3.14	10.37	8.74	1.69	0.01			23.94
St Dev						0.28	0.72	1.58	1.38	0.04			2.67
Net Irr						2.41	9.74	8.15	0.97				21.27
Spring Grain					1.38	6.42	10.57	4.08	0.02				22.47
St Dev					0.28	1.01	0.81	1.67	0.07				2.10
Net Irr						5.69	9.94	3.50					19.13
Winter Wheat				0.73	2.44	7.02	9.67	1.48					21.33
St Dev				0.11	0.41	1.31	1.09	0.97					1.64
Net Irr					1.00	6.29	9.03	0.89					17.21

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SNOWVILLE

Aridity Index: 16%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.97, Long: -112.72, Elev: 4560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.57	3.76	6.40	1.24	0.01			12.98
St Dev						0.13	0.27	0.36	1.32	0.07			1.39
Net Irr						0.84	3.13	5.82	0.52				10.31
Turfgrass					2.45	4.77	6.26	5.68	1.93	0.03			21.11
St Dev					0.29	0.36	0.44	0.79	1.24	0.10			1.81
Net Irr					1.01	4.04	5.63	5.09	1.21				16.98
Open Water Deep	0.79	0.81	1.51	2.41	3.09	3.99	5.89	6.21	3.61	2.67	1.56	0.96	33.51
St Dev	0.14	0.15	0.27	0.34	0.37	0.48	0.60	0.44	0.36	0.26	0.22	0.14	1.70
Net Evap		0.06	0.58	1.40	1.65	3.26	5.26	5.63	2.90	1.76	0.72		23.23
Open Water Shallow	0.73	1.11	2.37	3.60	4.97	5.57	6.07	5.84	4.01	2.60	1.23	0.70	38.81
St Dev	0.09	0.15	0.28	0.31	0.36	0.32	0.30	0.22	0.20	0.18	0.13	0.07	1.24
Net Evap		0.36	1.45	2.59	3.52	4.85	5.44	5.26	3.29	1.69	0.40		28.84
Wetlands Large						1.86	8.57	9.54	2.45	0.02			22.44
St Dev						0.21	0.63	2.00	2.19	0.10			3.62
Net ET						1.13	7.94	8.96	1.74				19.76
Wetlands Narrow						2.35	12.04	13.63	3.51	0.02			31.54
St Dev						0.27	0.90	2.86	3.12	0.15			5.17
Net ET						1.62	11.40	13.05	2.79				28.86
ETr	1.31	1.74	3.67	5.75	7.61	8.92	10.44	9.85	6.84	4.53	2.27	1.47	64.39
St Dev	0.21	0.27	0.56	0.68	0.74	0.68	0.73	0.55	0.49	0.50	0.36	0.23	2.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SPANISH FORK PWR HOUSE

Aridity Index: 57%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.08, Long: -111.6, Elev: 4720 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.73	33.92	43.05	50.69	59.63	68.81	76.33	74.20	64.87	53.35	39.78	29.94	51.94
St Dev	5.16	4.17	3.46	3.37	2.78	2.76	2.17	1.70	2.32	2.73	3.55	3.49	1.39
Precip (in)	1.78	2.10	2.32	2.25	2.14	1.08	0.82	0.94	1.51	2.15	2.09	1.90	21.06
St Dev	1.03	1.15	1.11	1.14	1.40	1.08	0.77	0.92	1.39	1.49	1.03	1.20	5.14
Aridity Adj. (F)	1.14	1.08	1.54	2.11	3.14	3.88	3.25	3.19	3.25	2.96	2.05	1.37	2.41
Est. Dewpoint (F)	19.36	20.49	23.35	27.09	32.66	35.91	40.86	40.48	34.11	31.44	24.48	20.96	29.26
Rs (langley/day)	176	266	373	476	569	659	653	576	456	314	188	151	405
Wind (mpd)	53	58	80	90	74	72	63	73	63	66	57	59	67
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				2.01	5.65	6.08	6.63	6.73	3.61	0.69			31.41
St Dev				0.64	0.48	0.52	0.39	0.45	1.09	0.74			2.03
Net Irr				0.21	3.94	5.22	5.98	5.98	2.41				23.72
Alfalfa (Dairy)				2.01	5.24	6.01	6.37	5.92	3.27	0.64			29.47
St Dev				0.64	0.32	0.38	0.24	0.19	0.94	0.76			1.87
Net Irr				0.21	3.53	5.15	5.72	5.17	2.07				21.84
Apples / Cherries				0.96	4.79	8.04	8.82	8.13	4.62	1.72	0.01		37.09
St Dev				0.32	0.48	0.50	0.27	0.20	0.36	0.60	0.04		1.22
Net Irr					3.07	7.17	8.17	7.38	3.42				29.21
Barley			0.01	1.03	4.31	7.93	4.77	0.07					18.13
St Dev			0.03	0.34	0.90	0.53	1.51	0.19					0.37
Net Irr					2.60	7.07	4.12						13.79
Corn					0.77	2.84	7.56	7.10	2.70	0.22			21.19
St Dev					0.21	0.71	0.66	0.41	0.95	0.36			0.91
Net Irr						1.97	6.90	6.35	1.50				16.72
Melon					0.78	3.87	5.51	5.13	2.64	0.07			18.00
St Dev					0.27	0.57	0.17	0.13	0.75	0.18			1.12
Net Irr						3.01	4.86	4.38	1.44				13.68
Other Hay				2.12	6.21	7.36	4.01	2.58	1.08	0.03			23.39
St Dev				0.70	0.52	0.58	0.49	0.14	0.20	0.05			0.89
Net Irr				0.32	4.50	6.49	3.36	1.83					16.50
Other Orchard				0.90	4.57	7.46	8.14	7.49	4.17	1.67	0.01		34.41
St Dev				0.29	0.48	0.45	0.25	0.19	0.33	0.59	0.04		1.15
Net Irr					2.85	6.59	7.49	6.74	2.96				26.64
Pasture			0.05	1.95	4.19	5.29	5.77	5.36	3.45	1.41	0.05		27.51
St Dev			0.09	0.47	0.30	0.31	0.17	0.13	0.34	0.57	0.11		1.19
Net Irr				0.15	2.47	4.43	5.12	4.61	2.24				19.02
Potato					1.03	3.76	6.49	5.41	1.96	0.11			18.75
St Dev					0.26	0.80	0.24	0.29	0.88	0.25			0.65
Net Irr						2.89	5.84	4.66	0.75				14.14
Safflower					1.77	7.59	8.48	7.77	3.96	0.80			30.38
St Dev					0.83	0.61	0.26	0.21	0.59	0.36			1.28
Net Irr					0.06	6.73	7.83	7.02	2.75				24.40
Sorghum					0.97	3.88	7.35	7.10	2.71				22.01
St Dev					0.27	0.67	0.34	0.18	0.72				0.73
Net Irr						3.02	6.69	6.35	1.50				17.56
Spring Grain			0.01	1.00	4.10	7.90	5.85	0.31					19.16
St Dev			0.03	0.32	0.88	0.58	1.31	0.42					0.42
Net Irr					2.38	7.04	5.19						14.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SPANISH FORK PWR HOUSE

Aridity Index: 57%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.08, Long: -111.6, Elev: 4720 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.65	1.58	4.56	7.78	3.30	0.05					17.91
St Dev			0.18	0.31	1.05	0.49	1.65	0.12					0.39
Net Irr					2.84	6.92	2.65						12.41
Garden				0.03	1.51	3.34	6.13	6.00	1.42				18.43
St Dev				0.06	0.26	0.39	0.43	0.28	0.48				0.64
Net Irr						2.47	5.48	5.25	0.21				13.41
Small Fruit					1.04	4.41	8.00	7.55	3.26	0.03			24.29
St Dev					0.31	0.69	0.42	0.19	0.91	0.12			1.45
Net Irr						3.54	7.35	6.79	2.06				19.75
Turfgrass			0.09	2.04	3.53	4.67	5.09	4.73	3.14	1.50	0.06		24.86
St Dev			0.15	0.35	0.28	0.28	0.15	0.12	0.23	0.54	0.14		1.02
Net Irr				0.24	1.82	3.81	4.44	3.98	1.93				16.22
Open Water Deep	0.51	0.66	1.30	1.80	2.14	2.99	3.64	4.25	2.51	1.91	0.99	0.56	23.28
St Dev	0.09	0.11	0.21	0.25	0.23	0.29	0.24	0.20	0.18	0.22	0.16	0.08	1.00
Net Evap					0.43	2.13	2.99	3.50	1.31	0.19			10.54
Open Water Shallow	0.73	1.27	2.58	3.62	4.72	5.59	6.18	5.66	4.02	2.47	1.13	0.63	38.60
St Dev	0.09	0.16	0.26	0.31	0.28	0.29	0.17	0.12	0.17	0.20	0.14	0.08	0.95
Net Evap			0.73	1.82	3.00	4.72	5.52	4.90	2.82	0.76			24.28
Wetlands Large					0.23	4.34	8.56	8.28	4.95	1.14			27.51
St Dev					0.22	0.82	0.41	0.21	0.92	1.19			2.42
Net ET						3.48	7.91	7.53	3.74				22.66
Wetlands Narrow					0.27	5.88	12.21	11.83	7.07	1.63			38.89
St Dev					0.27	1.20	0.60	0.29	1.31	1.70			3.45
Net ET						5.02	11.56	11.08	5.86				33.52
ETr	0.79	1.44	3.30	4.84	6.28	7.78	8.48	7.89	5.28	3.24	1.43	0.71	51.48
St Dev	0.11	0.20	0.39	0.48	0.43	0.46	0.26	0.20	0.24	0.31	0.20	0.10	1.43

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ST GEORGE

Aridity Index: 80%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.11, Long: -113.56, Elev: 2770 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	41.76	47.07	54.19	61.45	70.91	80.34	86.58	84.60	76.31	63.68	49.92	41.48	63.19
St Dev	3.25	2.83	3.44	3.55	3.46	2.76	2.26	2.50	2.48	2.76	2.64	2.67	1.56
Precip (in)	1.16	1.12	1.19	0.59	0.36	0.21	0.52	0.68	0.58	0.81	0.73	0.69	8.64
St Dev	1.25	0.89	1.17	0.63	0.46	0.31	0.47	0.59	0.66	0.79	0.66	0.68	3.02
Aridity Adj. (F)	1.60	1.52	2.16	2.96	4.40	5.44	4.56	4.48	4.56	4.16	2.88	1.92	3.39
Est. Dewpoint (F)	24.30	26.18	26.53	28.44	31.84	36.40	46.74	47.02	37.84	32.35	25.69	24.24	32.30
Rs (langley/day)	258	347	428	559	666	708	671	612	511	392	286	239	473
Wind (mpd)	44	45	62	72	69	66	60	56	51	49	46	42	55
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			2.03	5.68	7.39	7.28	7.76	7.43	5.16	3.02	0.95	0.01	46.72
St Dev			0.70	0.41	0.78	0.50	0.58	0.53	0.56	0.55	0.80	0.05	1.66
Net Irr			1.08	5.21	7.11	7.11	7.34	6.88	4.69	2.38	0.37		42.18
Alfalfa (Dairy)			2.03	5.22	6.51	7.23	7.38	6.48	4.88	3.05	0.69	0.01	43.50
St Dev			0.70	0.35	0.39	0.29	0.26	0.22	0.24	0.61	0.67	0.06	1.57
Net Irr			1.08	4.76	6.22	7.06	6.96	5.94	4.42	2.41	0.11		38.95
Barley			1.21	5.58	8.33	2.24							17.36
St Dev			0.49	0.99	0.58	1.67							0.90
Net Irr			0.25	5.11	8.04	2.07							15.48
Corn				0.86	4.13	9.09	6.51	0.35					20.94
St Dev				0.27	1.12	0.57	1.57	0.51					1.03
Net Irr				0.39	3.85	8.92	6.09						19.25
Melon				0.85	4.31	6.23	6.35	5.26	0.34				23.33
St Dev				0.32	0.63	0.24	0.21	0.42	0.47				0.64
Net Irr				0.38	4.03	6.06	5.93	4.72					21.11
Onion			0.07	2.92	6.25	9.53	9.55	4.13					32.45
St Dev			0.15	0.52	0.82	0.39	0.36	1.14					0.86
Net Irr				2.45	5.97	9.36	9.13	3.58					30.50
Other Hay			1.98	6.60	8.29	4.54	3.23	1.80	0.04				26.48
St Dev			0.66	0.59	0.56	0.49	0.17	0.25	0.09				0.98
Net Irr			1.02	6.13	8.01	4.38	2.81	1.26					23.60
Other Orchard			0.97	4.90	8.29	9.20	9.26	6.77	4.10	0.15			43.64
St Dev			0.42	0.65	0.50	0.35	0.31	0.29	0.42	0.27			1.19
Net Irr			0.02	4.43	8.01	9.04	8.84	6.22	3.64				40.19
Pasture		0.01	1.82	4.46	5.89	6.52	6.64	5.83	4.34	2.75	0.89	0.01	39.16
St Dev		0.03	0.46	0.36	0.35	0.25	0.22	0.18	0.19	0.25	0.44	0.03	1.34
Net Irr			0.87	3.99	5.60	6.35	6.22	5.28	3.87	2.10	0.31		34.60
Potato				1.21	5.07	7.26	4.29	0.05					17.88
St Dev				0.40	0.92	0.24	1.43	0.13					0.73
Net Irr				0.74	4.78	7.09	3.87						16.49
Sorghum				1.06	4.36	8.34	8.79	4.18					26.72
St Dev				0.32	0.79	0.45	0.29	1.19					0.69
Net Irr				0.59	4.07	8.18	8.37	3.63					24.83
Spring Grain			1.16	5.37	8.62	3.36	0.01						18.52
St Dev			0.46	1.00	0.47	1.86	0.07						0.90
Net Irr			0.20	4.91	8.33	3.19							16.63

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ST GEORGE

Aridity Index: 80%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.11, Long: -113.56, Elev: 2770 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden			0.05	1.60	3.70	6.96	7.44	2.46					22.22
St Dev			0.10	0.30	0.49	0.55	0.44	0.78					0.58
Net Irr				1.13	3.41	6.80	7.02	1.92					20.29
Turfgrass Dixie		0.03	2.14	3.64	5.61	6.23	6.35	5.57	4.18	2.85	1.16	0.12	37.86
St Dev		0.06	0.39	0.33	0.34	0.24	0.21	0.17	0.18	0.20	0.56	0.25	1.35
Net Irr			1.18	3.17	5.32	6.06	5.93	5.03	3.71	2.20	0.58		33.19
Open Water Deep	1.10	1.22	2.12	2.92	4.04	5.03	5.51	5.11	3.62	2.67	1.59	1.02	35.96
St Dev	0.14	0.15	0.30	0.36	0.45	0.40	0.32	0.31	0.25	0.24	0.16	0.12	1.68
Net Evap	0.17	0.33	1.17	2.45	3.76	4.86	5.09	4.57	3.16	2.02	1.01	0.47	29.05
Open Water Shallow	1.62	2.27	3.67	4.95	6.31	6.73	7.04	6.56	5.11	3.57	2.06	1.44	51.32
St Dev	0.17	0.22	0.34	0.32	0.34	0.22	0.21	0.18	0.21	0.21	0.15	0.14	1.23
Net Evap	0.69	1.37	2.71	4.48	6.02	6.57	6.62	6.02	4.65	2.93	1.48	0.89	44.41
Wetlands Large				0.31	5.03	9.77	10.25	9.00	6.75	4.45	1.22	0.03	46.80
St Dev				0.30	0.99	0.53	0.34	0.28	0.29	0.61	0.96	0.13	2.07
Net ET					4.74	9.61	9.83	8.46	6.28	3.80	0.64		43.36
Wetlands Narrow				0.36	6.84	13.95	14.64	12.86	9.64	6.35	1.75	0.04	66.43
St Dev				0.36	1.46	0.77	0.49	0.40	0.42	0.87	1.38	0.19	2.96
Net ET					6.56	13.78	14.22	12.31	9.17	5.71	1.17		62.92
ETr	1.85	2.59	4.80	6.70	8.66	9.59	9.76	8.57	6.42	4.41	2.45	1.61	67.41
St Dev	0.21	0.28	0.49	0.49	0.52	0.36	0.32	0.27	0.28	0.28	0.20	0.18	1.81

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUNNYSIDE

Aridity Index: 46%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.57, Long: -110.37, Elev: 6785 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.82	28.67	34.63	41.82	52.39	61.94	69.44	67.39	57.81	46.80	34.19	24.76	45.30
St Dev	5.08	4.26	3.33	3.67	3.02	2.85	2.59	1.86	2.26	3.19	3.85	3.51	1.42
Precip (in)	1.02	1.30	1.25	1.15	1.32	0.82	1.35	1.26	2.21	1.72	0.89	0.74	15.05
St Dev	0.85	1.21	0.92	0.90	0.89	0.77	0.96	0.83	1.89	1.41	0.86	0.55	3.86
Aridity Adj. (F)	0.92	0.87	1.24	1.70	2.53	3.13	2.62	2.58	2.62	2.39	1.66	1.10	1.95
Est. Dewpoint (F)	16.89	18.87	18.47	18.62	27.94	31.57	38.13	40.71	32.78	28.40	19.03	15.11	25.54
Rs (langley/day)	247	336	423	553	573	695	599	561	485	356	240	160	436
Wind (mpd)	66	78	133	164	143	128	112	101	98	95	90	71	107
Calc. Wind Limit (mpd)	96	96	132	132	132	129	112	101	96	97	96	96	110
.....Inches.....													
Alfalfa (Beef)				0.33	4.00	7.21	6.65	5.02	2.53	0.04			25.78
St Dev				0.12	0.61	0.48	0.64	0.46	1.21	0.11			1.98
Net Irr					2.94	6.55	5.56	4.01	0.76				19.83
Alfalfa (Dairy)				0.33	4.00	6.52	6.35	5.11	1.96	0.05			24.32
St Dev				0.12	0.61	0.39	0.36	0.51	1.22	0.12			1.72
Net Irr					2.94	5.87	5.26	4.10	0.19				18.36
Other Hay				0.33	4.71	8.18	5.94	2.60	1.16	0.10			23.03
St Dev				0.12	0.58	0.58	0.39	0.11	0.29	0.12			1.22
Net Irr					3.66	7.52	4.86	1.59					17.63
Pasture				0.23	2.98	5.33	5.68	4.69	2.52	0.31			21.73
St Dev				0.06	0.36	0.38	0.32	0.20	0.80	0.46			1.50
Net Irr					1.93	4.68	4.60	3.67	0.74				15.62
Spring Grain				0.17	1.55	5.38	8.50	5.68	0.91				22.20
St Dev				0.04	0.37	1.10	0.56	0.87	0.72				0.94
Net Irr					0.50	4.72	7.42	4.67					17.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUNNYSIDE

Aridity Index: 46%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.57, Long: -110.37, Elev: 6785 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.65	3.25	4.76	1.94				11.60
St Dev						0.12	0.19	0.31	1.09				1.26
Net Irr						1.00	2.17	3.74	0.17				7.08
Turfgrass				0.39	2.75	4.60	5.01	4.16	2.46	0.36			19.73
St Dev				0.09	0.32	0.32	0.28	0.18	0.66	0.50			1.31
Net Irr					1.70	3.94	3.93	3.15	0.69				13.40
Open Water Deep	0.30	0.41	1.02	1.57	2.30	3.51	4.18	3.43	2.22	1.63	1.03	0.43	22.04
St Dev	0.08	0.09	0.23	0.23	0.35	0.37	0.39	0.21	0.17	0.23	0.20	0.07	1.23
Net Evap			0.02	0.65	1.25	2.86	3.10	2.42	0.45	0.25	0.32		11.32
Open Water Shallow	0.68	1.18	2.28	3.47	4.34	5.54	5.56	5.04	3.76	2.30	1.11	0.52	35.79
St Dev	0.12	0.16	0.30	0.31	0.40	0.30	0.25	0.18	0.17	0.23	0.17	0.07	1.20
Net Evap		0.14	1.28	2.55	3.29	4.89	4.48	4.03	1.99	0.92	0.40		23.96
Wetlands Large						2.14	7.25	7.19	3.12	0.14			19.84
St Dev						0.52	0.71	0.51	1.51	0.38			2.31
Net ET						1.48	6.16	6.18	1.35				15.18
Wetlands Narrow						2.74	10.22	10.27	4.46	0.21			27.91
St Dev						0.69	1.04	0.73	2.15	0.54			3.29
Net ET						2.09	9.14	9.26	2.69				23.18
ETr	0.49	1.06	2.66	4.29	5.81	7.85	8.35	6.93	4.89	2.79	1.35	0.56	47.04
St Dev	0.15	0.21	0.48	0.47	0.68	0.55	0.47	0.31	0.28	0.36	0.26	0.11	2.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUNNYSIDE CITY CTR

Aridity Index: 54%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 39.55, Long: -110.38, Elev: 6530 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.42	30.69	39.62	45.93	56.01	65.46	72.85	69.92	60.62	49.31	36.32	26.60	48.31
St Dev	5.16	4.11	3.28	3.43	2.47	2.90	2.57	1.85	2.31	3.26	4.45	3.74	1.36
Precip (in)	0.95	1.13	1.18	1.25	1.21	0.74	1.26	1.10	1.95	1.60	0.98	0.71	14.07
St Dev	0.73	1.00	0.87	1.05	0.83	0.75	0.90	0.69	1.68	1.29	1.03	0.58	3.34
Aridity Adj. (F)	1.08	1.03	1.46	2.00	2.97	3.67	3.08	3.02	3.08	2.81	1.94	1.30	2.29
Est. Dewpoint (F)	19.43	20.81	23.67	23.40	31.40	39.17	47.03	45.04	36.09	30.57	20.90	16.83	29.53
Rs (langley/day)	245	339	447	598	630	723	645	591	498	368	252	168	459
Wind (mpd)	66	78	133	165	144	129	113	102	99	95	91	71	107
Calc. Wind Limit (mpd)	96	96	120	120	120	120	113	102	96	99	96	96	106
.....Inches.....													
Alfalfa (Beef)				0.88	4.53	6.40	6.79	4.80	2.48	0.08			25.96
St Dev				0.16	0.55	0.42	0.69	0.58	1.11	0.20			1.76
Net Irr					3.56	5.80	5.79	3.92	0.93				19.99
Alfalfa (Dairy)				0.88	4.53	5.77	6.03	5.03	2.31	0.09			24.64
St Dev				0.16	0.55	0.33	0.34	0.28	1.12	0.28			1.62
Net Irr					3.56	5.18	5.02	4.15	0.75				18.66
Other Hay				0.95	5.42	7.51	4.66	2.39	1.08	0.07			22.08
St Dev				0.17	0.53	0.55	0.32	0.12	0.21	0.07			1.16
Net Irr					4.45	6.91	3.66	1.51					16.52
Pasture				0.60	3.47	5.01	5.41	4.56	2.62	0.42	0.01		22.09
St Dev				0.08	0.35	0.37	0.29	0.23	0.69	0.54	0.04		1.56
Net Irr					2.50	4.41	4.40	3.68	1.06				16.05
Spring Grain				0.38	1.89	5.80	8.13	4.54	0.45				21.19
St Dev				0.05	0.37	0.98	0.46	1.06	0.51				0.98
Net Irr					0.92	5.20	7.12	3.65					16.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUNNYSIDE CITY CTR

Aridity Index: 54%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 39.55, Long: -110.38, Elev: 6530 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.12	1.98	3.64	5.06	1.92				12.73
St Dev					0.04	0.14	0.20	0.38	0.96				1.23
Net Irr						1.39	2.63	4.18	0.37				8.57
Turfgrass				0.86	2.94	4.39	4.77	4.05	2.54	0.47	0.01		20.03
St Dev				0.11	0.29	0.32	0.25	0.20	0.54	0.56	0.05		1.35
Net Irr					1.97	3.80	3.76	3.16	0.98				13.67
Open Water Deep	0.24	0.34	0.88	1.35	2.01	2.68	3.31	3.03	2.05	1.54	0.97	0.37	18.77
St Dev	0.08	0.10	0.22	0.20	0.26	0.30	0.29	0.21	0.19	0.24	0.24	0.08	1.06
Net Evap				0.35	1.04	2.09	2.30	2.14	0.50	0.26	0.18		8.86
Open Water Shallow	0.64	1.15	2.44	3.72	4.66	5.57	5.72	5.16	3.81	2.32	1.11	0.49	36.77
St Dev	0.13	0.16	0.29	0.31	0.34	0.31	0.23	0.20	0.22	0.25	0.19	0.08	1.20
Net Evap		0.24	1.50	2.71	3.68	4.97	4.72	4.28	2.25	1.04	0.32		25.72
Wetlands Large						2.59	7.35	7.05	3.32	0.21			20.52
St Dev						0.21	0.41	0.39	1.47	0.54			1.91
Net ET						1.99	6.34	6.17	1.76				16.26
Wetlands Narrow						3.36	10.42	10.08	4.74	0.30			28.90
St Dev						0.28	0.58	0.56	2.10	0.77			2.72
Net ET						2.77	9.42	9.19	3.18				24.56
ETr	0.39	0.96	2.65	4.32	5.91	7.36	7.95	6.74	4.78	2.70	1.25	0.46	45.47
St Dev	0.16	0.23	0.48	0.46	0.57	0.54	0.42	0.33	0.34	0.40	0.30	0.14	2.15

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: THIOKOL PROPULSION F S

Aridity Index: 99%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.72, Long: -112.43, Elev: 4600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.18	28.05	38.15	46.19	55.48	65.06	73.52	71.86	61.20	48.35	35.22	24.96	47.60
St Dev	5.84	5.76	4.01	3.29	2.55	2.99	2.68	2.20	2.62	2.19	3.29	4.05	1.68
Precip (in)	1.22	1.14	1.26	1.39	1.90	1.09	0.75	0.77	1.17	1.38	1.17	1.14	14.38
St Dev	0.89	0.82	0.88	0.88	1.49	0.94	0.75	0.76	1.05	1.01	0.82	0.90	4.23
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	16.75	19.12	21.51	22.49	27.24	32.14	36.70	35.90	29.36	23.87	20.11	15.52	25.06
Rs (langley/day)	193	304	416	482	579	676	668	602	489	341	195	134	423
Wind (mpd)	98	108	126	144	127	122	116	119	113	111	102	93	115
Calc. Wind Limit (mpd)	96	96	101	113	100	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				1.34	5.39	6.42	8.55	7.17	2.60	0.03			31.50
St Dev				0.58	0.72	0.40	0.76	1.12	1.21	0.12			2.02
Net Irr				0.23	3.87	5.55	7.95	6.55	1.67				25.81
Alfalfa (Dairy)				1.34	5.36	6.20	7.39	6.50	2.72	0.03			29.53
St Dev				0.58	0.66	0.53	0.39	0.52	1.27	0.10			2.04
Net Irr				0.23	3.84	5.33	6.79	5.89	1.78				23.85
Barley				0.61	3.00	7.64	9.07	1.49					21.81
St Dev				0.18	0.74	1.02	0.77	1.21					0.73
Net Irr					1.48	6.77	8.47	0.87					17.59
Other Hay				1.45	6.13	8.08	5.37	3.09	1.25	0.05			25.41
St Dev				0.63	0.66	0.62	0.72	0.15	0.36	0.09			1.24
Net Irr				0.34	4.61	7.21	4.77	2.47	0.32				19.71
Pasture				1.07	4.10	5.51	6.71	6.02	2.93	0.20			26.53
St Dev				0.23	0.38	0.44	0.36	0.33	1.03	0.36			1.69
Net Irr					2.57	4.64	6.11	5.40	2.00				20.72
Safflower					0.10	5.90	9.87	8.54	2.97	0.14			27.52
St Dev					0.03	0.47	0.52	0.65	1.38	0.26			2.24
Net Irr						5.03	9.27	7.92	2.04				24.26
Spring Grain				0.60	2.84	7.43	9.58	2.64	0.01				23.10
St Dev				0.18	0.69	1.07	0.58	1.44	0.04				0.70
Net Irr					1.32	6.56	8.98	2.02					18.88
Winter Wheat			0.38	1.31	2.94	7.49	8.25	1.07					21.45
St Dev			0.11	0.22	0.77	1.18	1.20	0.92					0.74
Net Irr				0.20	1.41	6.62	7.66	0.46					16.35

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: THIOKOL PROPULSION F S

Aridity Index: 99%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.72, Long: -112.43, Elev: 4600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.13	2.19	4.53	6.61	1.80				15.25
St Dev					0.04	0.17	0.25	0.74	1.36				1.86
Net Irr						1.32	3.93	5.99	0.86				12.10
Turfgrass				1.38	3.39	4.86	5.92	5.37	2.97	0.25			24.14
St Dev				0.27	0.31	0.39	0.31	0.25	0.88	0.43			1.48
Net Irr				0.27	1.87	3.99	5.32	4.75	2.04				18.24
Open Water Deep	0.62	0.69	1.23	1.93	2.48	3.30	5.04	5.19	3.34	2.42	1.38	0.78	28.40
St Dev	0.10	0.16	0.24	0.31	0.29	0.39	0.45	0.35	0.31	0.27	0.20	0.12	1.62
Net Evap			0.22	0.82	0.95	2.43	4.44	4.57	2.41	1.32	0.45		17.60
Open Water Shallow	0.59	1.16	2.51	3.47	4.59	5.50	6.33	5.82	4.16	2.50	1.07	0.54	38.23
St Dev	0.08	0.18	0.31	0.35	0.33	0.35	0.27	0.20	0.23	0.22	0.14	0.08	1.46
Net Evap		0.25	1.51	2.36	3.07	4.63	5.73	5.21	3.22	1.39	0.14		27.50
Wetlands Large						2.75	9.04	9.30	4.09	0.09			25.27
St Dev						0.42	0.65	0.72	1.73	0.32			2.55
Net ET						1.88	8.45	8.68	3.16				22.16
Wetlands Narrow						3.57	12.82	13.29	5.85	0.13			35.65
St Dev						0.56	0.94	1.04	2.48	0.45			3.63
Net ET						2.70	12.22	12.67	4.91				32.50
ETr	0.65	1.27	3.13	4.91	6.53	8.10	9.87	8.98	6.32	3.86	1.68	0.86	56.15
St Dev	0.17	0.26	0.49	0.65	0.59	0.65	0.52	0.40	0.48	0.48	0.31	0.19	2.78

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: THOMPSON

Aridity Index: 58%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.97, Long: -109.72, Elev: 5099 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.70	33.07	43.91	51.42	61.63	72.34	79.21	77.37	67.10	54.56	40.36	29.30	52.91
St Dev	6.52	5.20	3.04	3.33	3.12	2.71	2.36	2.71	2.95	3.10	3.36	3.65	1.41
Precip (in)	1.13	0.72	1.01	0.66	0.77	0.37	0.57	0.67	0.78	0.97	0.77	1.03	9.46
St Dev	0.95	0.73	0.86	0.61	0.80	0.36	0.60	0.56	0.89	1.01	0.60	1.07	2.85
Aridity Adj. (F)	1.16	1.10	1.57	2.15	3.19	3.94	3.31	3.25	3.31	3.02	2.09	1.39	2.46
Est. Dewpoint (F)	15.95	21.96	27.18	26.30	35.59	40.31	48.84	50.85	40.96	33.92	23.25	18.43	31.96
Rs (langley/day)	231	357	425	581	618	716	667	583	477	364	235	215	456
Wind (mpd)	55	66	111	140	124	99	75	66	63	67	66	59	83
Calc. Wind Limit (mpd)	96	96	116	132	132	106	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)				2.54	6.36	6.62	6.67	6.05	3.38	0.66			32.29
St Dev				0.66	0.69	0.42	0.51	0.44	1.11	0.59			1.80
Net Irr				2.01	5.75	6.33	6.21	5.51	2.76				28.58
Alfalfa (Dairy)				2.54	5.97	6.61	6.35	5.21	3.13	0.52			30.33
St Dev				0.66	0.53	0.45	0.31	0.23	0.85	0.45			1.56
Net Irr				2.01	5.36	6.31	5.89	4.67	2.51				26.76
Other Hay				2.76	7.05	7.90	3.76	2.23	0.91	0.01			24.61
St Dev				0.70	0.70	0.55	0.45	0.13	0.14	0.04			1.02
Net Irr				2.23	6.43	7.61	3.30	1.69	0.29				21.55
Pasture				1.86	4.62	5.83	5.75	4.73	3.14	1.07	0.02		27.03
St Dev				0.28	0.42	0.36	0.29	0.19	0.46	0.63	0.07		1.47
Net Irr				1.34	4.01	5.54	5.29	4.19	2.51	0.29			23.18
Spring Grain				1.05	4.14	8.62	6.29	0.35					20.44
St Dev				0.27	0.95	0.71	1.15	0.43					0.82
Net Irr				0.52	3.52	8.33	5.83						18.20

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: THOMPSON

Aridity Index: 58%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.97, Long: -109.72, Elev: 5099 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.32	3.21	5.63	5.59	1.65				17.41
St Dev					0.13	0.19	0.30	0.27	0.58				0.89
Net Irr					0.71	2.92	5.17	5.05	1.03				14.88
Turfgrass				2.11	3.86	5.14	5.07	4.18	2.90	1.18	0.02		24.47
St Dev				0.27	0.35	0.32	0.26	0.17	0.35	0.63	0.09		1.30
Net Irr				1.58	3.25	4.85	4.62	3.64	2.27	0.40			20.61
Open Water Deep	0.31	0.45	1.18	2.28	2.96	3.75	3.49	2.88	1.94	1.54	0.98	0.45	22.22
St Dev	0.10	0.13	0.23	0.31	0.37	0.36	0.28	0.20	0.19	0.22	0.16	0.09	1.14
Net Evap			0.37	1.75	2.35	3.46	3.04	2.34	1.31	0.76	0.37		15.75
Open Water Shallow	0.67	1.36	2.64	4.19	5.11	6.11	6.25	5.48	3.98	2.56	1.22	0.71	40.29
St Dev	0.16	0.24	0.30	0.32	0.34	0.30	0.27	0.19	0.24	0.26	0.16	0.12	1.22
Net Evap		0.79	1.83	3.66	4.49	5.82	5.80	4.95	3.36	1.78	0.61		33.08
Wetlands Large					0.77	5.90	8.76	7.31	4.79	1.08			28.62
St Dev					0.50	1.10	0.48	0.30	0.86	0.90			2.27
Net ET					0.16	5.61	8.30	6.77	4.17	0.30			25.31
Wetlands Narrow					0.94	8.17	12.51	10.45	6.84	1.55			40.45
St Dev					0.65	1.63	0.69	0.43	1.22	1.29			3.24
Net ET					0.33	7.87	12.05	9.91	6.22	0.77			37.15
ETr	0.60	1.27	3.18	5.49	7.00	8.57	8.46	6.96	4.92	3.08	1.52	0.67	51.72
St Dev	0.18	0.30	0.49	0.54	0.60	0.53	0.43	0.28	0.34	0.38	0.25	0.18	2.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TIMPANOGOS CAVE

Aridity Index: 71%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.44, Long: -111.71, Elev: 5740 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.88	31.53	39.58	47.16	56.46	65.99	74.66	73.10	63.33	50.29	35.89	27.57	49.37
St Dev	4.18	3.24	3.24	3.69	3.13	3.04	2.55	2.03	2.81	3.19	3.60	3.13	1.34
Precip (in)	2.27	2.19	2.68	2.22	2.72	1.41	0.95	1.29	2.08	2.57	2.09	2.05	24.51
St Dev	1.49	1.46	2.09	1.50	1.97	1.51	0.73	0.91	1.99	1.58	1.20	1.37	8.00
Aridity Adj. (F)	1.42	1.35	1.92	2.63	3.91	4.83	4.05	3.98	4.05	3.69	2.56	1.70	3.01
Est. Dewpoint (F)	19.81	21.28	22.26	24.54	29.73	33.83	39.84	40.17	34.52	30.38	24.33	20.54	28.44
Rs (langleys/day)	194	272	378	472	571	652	624	573	478	326	246	180	414
Wind (mpd)	61	63	91	99	97	85	76	81	71	73	70	60	77
Calc. Wind Limit (mpd)	96	96	98	109	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.11	4.93	5.99	7.24	6.10	2.85	0.28			28.50
St Dev				0.54	0.74	0.38	0.76	0.81	1.00	0.59			2.67
Net Irr					2.75	4.86	6.48	5.07	1.19				20.35
Alfalfa (Dairy)				1.11	4.91	5.72	6.32	5.76	2.87	0.23			26.91
St Dev				0.54	0.71	0.42	0.39	0.37	0.98	0.50			2.46
Net Irr					2.73	4.59	5.56	4.72	1.21				18.81
Barley				0.58	2.77	6.91	7.76	1.47					19.50
St Dev				0.23	0.79	1.04	0.80	1.22					0.88
Net Irr					0.59	5.79	7.01	0.43					13.82
Corn					0.24	1.71	5.59	7.55	3.54	0.25			18.90
St Dev					0.08	0.27	1.08	0.49	1.13	0.46			2.33
Net Irr						0.59	4.84	6.52	1.88				13.82
Other Hay				1.20	5.65	7.42	4.67	2.68	1.19	0.06			22.87
St Dev				0.61	0.68	0.59	0.66	0.18	0.21	0.08			1.31
Net Irr					3.47	6.30	3.91	1.65					15.33
Pasture				1.24	3.92	5.05	5.72	5.23	3.01	0.62	0.02		24.81
St Dev				0.40	0.41	0.41	0.37	0.33	0.66	0.67	0.06		2.02
Net Irr					1.74	3.93	4.96	4.20	1.35				16.17
Potato					0.27	1.94	5.49	5.92	2.79	0.21			16.62
St Dev					0.04	0.37	0.68	0.35	0.90	0.40			1.79
Net Irr						0.82	4.74	4.88	1.12				11.56
Sorghum					0.30	2.45	6.46	6.94	3.54				19.69
St Dev					0.10	0.26	0.52	0.44	1.13				1.82
Net Irr						1.33	5.70	5.90	1.88				14.81
Spring Grain				0.58	2.62	6.72	8.18	2.48	0.03				20.62
St Dev				0.22	0.74	1.07	0.64	1.42	0.11				0.94
Net Irr					0.45	5.59	7.42	1.45					14.91
Winter Wheat			0.29	1.12	2.58	6.62	7.23	1.18	0.01				19.02
St Dev			0.06	0.19	0.71	1.24	1.01	1.08	0.04				0.84
Net Irr					0.40	5.49	6.47	0.14					12.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TIMPANOGOS CAVE

Aridity Index: 71%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.44, Long: -111.71, Elev: 5740 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.34	2.10	4.18	5.89	2.10	0.04			14.65
St Dev					0.05	0.17	0.28	0.74	1.21	0.12			1.78
Net Irr						0.98	3.42	4.86	0.44				9.70
Turfgrass				1.47	3.26	4.46	5.04	4.64	2.89	0.68	0.02		22.45
St Dev				0.38	0.35	0.37	0.33	0.29	0.48	0.68	0.08		1.76
Net Irr					1.08	3.33	4.29	3.60	1.22				13.53
Open Water Deep	0.37	0.44	0.98	1.45	2.14	2.77	3.69	3.95	2.25	1.55	0.73	0.36	20.69
St Dev	0.07	0.07	0.16	0.27	0.28	0.33	0.35	0.31	0.27	0.23	0.13	0.06	1.33
Net Evap						1.65	2.93	2.92	0.59				8.09
Open Water Shallow	0.61	1.08	2.29	3.28	4.49	5.28	5.84	5.45	3.95	2.26	1.04	0.52	36.09
St Dev	0.10	0.13	0.23	0.37	0.36	0.36	0.31	0.28	0.31	0.25	0.15	0.08	1.56
Net Evap			0.15	1.50	2.31	4.16	5.08	4.42	2.29	0.21			20.11
Wetlands Large						2.72	7.77	8.09	4.22	0.36			23.17
St Dev						0.80	0.85	0.52	1.41	0.68			3.10
Net ET						1.60	7.01	7.06	2.56				18.23
Wetlands Narrow						3.55	11.03	11.56	6.03	0.51			32.69
St Dev						1.08	1.25	0.74	2.01	0.97			4.42
Net ET						2.43	10.27	10.53	4.37				27.59
ETr	0.49	1.07	2.75	4.26	6.05	7.43	8.41	7.73	5.15	2.79	0.97	0.38	47.48
St Dev	0.11	0.16	0.34	0.58	0.58	0.61	0.54	0.49	0.47	0.38	0.18	0.09	2.54

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TOOELE

Aridity Index: 52%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.53, Long: -112.3, Elev: 5070 ft, 8/25/2011													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.33	34.02	42.14	49.65	58.81	68.84	76.92	74.93	64.64	52.35	39.05	30.40	51.76
St Dev	4.81	3.71	3.31	3.91	3.48	3.75	3.69	2.79	2.95	3.05	3.96	3.74	1.89
Precip (in)	1.46	1.68	2.46	2.35	2.23	0.98	0.88	0.85	1.42	1.85	1.80	1.53	19.48
St Dev	0.80	1.07	1.05	1.37	1.51	0.77	0.80	0.78	1.48	1.31	1.16	0.94	4.38
Aridity Adj. (F)	1.04	0.99	1.40	1.92	2.86	3.54	2.96	2.91	2.96	2.70	1.87	1.25	2.20
Est. Dewpoint (F)	20.43	22.85	25.78	28.65	34.85	41.06	46.73	46.29	39.49	33.43	26.15	21.69	32.28
Rs (langley/day)	183	258	350	490	574	667	632	551	448	332	213	169	406
Wind (mpd)	87	87	134	149	130	124	126	145	122	109	120	76	117
Calc. Wind Limit (mpd)	96	96	96	107	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				2.19	5.88	6.68	7.33	7.06	4.91	1.31	0.03		35.37
St Dev				0.71	0.47	0.90	0.49	0.41	0.94	0.77	0.11		2.66
Net Irr				0.31	4.09	5.90	6.63	6.38	3.77				27.07
Alfalfa (Dairy)				2.19	5.44	6.34	7.15	6.35	4.32	1.24	0.02		33.04
St Dev				0.71	0.30	0.41	0.49	0.46	0.64	0.84	0.06		2.51
Net Irr				0.31	3.66	5.55	6.44	5.67	3.19				24.82
Barley			0.01	1.12	4.73	8.37	4.30	0.06					18.58
St Dev			0.02	0.40	1.11	0.57	1.99	0.20					1.01
Net Irr					2.94	7.58	3.60						14.12
Corn					0.87	3.28	8.60	6.71	2.04	0.25			21.74
St Dev					0.27	1.16	1.03	1.17	1.52	0.47			1.45
Net Irr						2.49	7.90	6.03	0.90				17.32
Other Hay				2.28	6.59	7.77	4.40	2.73	1.21	0.02			25.00
St Dev				0.74	0.65	0.52	0.43	0.13	0.18	0.06			1.30
Net Irr				0.40	4.81	6.99	3.69	2.05	0.07				18.01
Pasture			0.05	2.06	4.43	5.62	6.45	5.72	3.99	1.91	0.17		30.40
St Dev			0.08	0.50	0.38	0.39	0.40	0.36	0.31	0.61	0.28		2.29
Net Irr				0.18	2.65	4.84	5.75	5.04	2.85	0.43			21.73
Potato				0.01	1.18	4.27	7.21	5.13	1.40	0.12			19.32
St Dev				0.03	0.37	1.10	0.42	0.97	1.23	0.33			1.26
Net Irr						3.49	6.51	4.45	0.27				14.71
Sorghum					1.09	4.28	8.26	7.57	2.88				24.09
St Dev					0.33	0.85	0.69	0.47	0.82				1.55
Net Irr						3.50	7.56	6.89	1.75				19.70
Spring Grain			0.01	1.09	4.51	8.39	5.48	0.21					19.68
St Dev			0.02	0.37	1.10	0.67	1.87	0.43					1.03
Net Irr					2.72	7.60	4.78						15.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TOOELE

Aridity Index: 52%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.53, Long: -112.3, Elev: 5070 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.06	1.65	3.65	6.98	6.28	1.56				20.18
St Dev				0.10	0.31	0.52	0.75	0.29	0.48				1.28
Net Irr						2.86	6.27	5.60	0.42				15.16
Turfgrass			0.08	2.15	3.74	4.96	5.69	5.05	3.59	1.98	0.21		27.44
St Dev			0.13	0.39	0.35	0.34	0.35	0.32	0.27	0.51	0.32		2.03
Net Irr				0.27	1.96	4.18	4.99	4.37	2.45	0.50			18.70
Open Water Deep	0.97	1.00	1.48	2.11	2.74	3.89	5.56	5.59	3.66	2.74	1.65	0.85	32.24
St Dev	0.16	0.15	0.22	0.33	0.35	0.47	0.65	0.52	0.38	0.37	0.26	0.11	2.54
Net Evap				0.23	0.95	3.11	4.86	4.91	2.52	1.26	0.22		18.07
Open Water Shallow	0.86	1.33	2.52	3.79	4.90	5.88	6.43	5.76	4.20	2.69	1.29	0.76	40.41
St Dev	0.11	0.15	0.24	0.34	0.33	0.35	0.35	0.31	0.27	0.26	0.14	0.08	1.97
Net Evap			0.55	1.91	3.12	5.09	5.72	5.08	3.06	1.21			25.76
Wetlands Large					0.34	4.86	9.64	8.83	6.22	2.39	0.05		32.34
St Dev					0.32	1.13	0.84	0.55	0.63	1.38	0.17		3.44
Net ET						4.08	8.94	8.15	5.08	0.91			27.16
Wetlands Narrow					0.40	6.63	13.76	12.62	8.88	3.42	0.07		45.77
St Dev					0.39	1.65	1.22	0.79	0.91	1.97	0.24		4.91
Net ET						5.84	13.05	11.94	7.75	1.94			40.52
ETr	1.11	1.66	3.30	5.05	6.63	8.27	9.49	8.41	5.98	3.75	1.81	0.94	56.40
St Dev	0.18	0.23	0.39	0.54	0.52	0.57	0.59	0.53	0.45	0.45	0.24	0.12	3.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TREMONTON

Aridity Index: 43%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.71, Long: -112.16, Elev: 4310 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.07	24.88	36.39	45.07	55.38	65.46	74.74	73.30	61.43	48.26	33.29	22.80	46.76
St Dev	6.31	6.67	4.96	3.75	2.82	3.17	3.44	2.38	3.08	2.97	3.93	5.14	1.79
Precip (in)	1.68	1.45	1.58	1.73	2.19	1.03	0.88	0.83	1.26	1.58	1.26	1.50	16.98
St Dev	1.13	0.92	0.87	1.32	1.45	0.87	1.00	0.87	1.19	1.16	0.80	1.22	5.01
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	10.05	12.15	17.94	22.15	30.38	37.07	41.71	41.89	32.75	25.29	17.21	11.05	24.97
Rs (langley/day)	172	243	326	444	586	658	671	560	449	303	180	137	394
Wind (mpd)	121	155	138	140	135	143	133	130	130	124	113	110	131
Calc. Wind Limit (mpd)	96	125	101	106	98	99	99	102	96	96	96	96	101
.....Inches.....													
Alfalfa (Beef)				0.90	5.78	6.53	8.55	8.07	3.41	0.56			33.79
St Dev				0.61	0.74	0.42	0.67	0.72	1.43	0.96			2.39
Net Irr					4.03	5.70	7.84	7.41	2.40				27.38
Alfalfa (Dairy)				0.90	5.66	6.52	7.71	6.89	3.52	0.47			31.68
St Dev				0.61	0.61	0.44	0.45	0.28	1.33	0.81			2.12
Net Irr					3.91	5.69	7.00	6.23	2.51				25.35
Barley				0.53	3.66	8.49	6.83	0.17					19.68
St Dev				0.28	0.95	0.73	1.68	0.38					1.11
Net Irr					1.91	7.66	6.12						15.69
Corn					0.47	2.60	8.81	8.19	2.60	0.09			22.76
St Dev					0.23	0.68	1.17	0.68	1.44	0.19			1.55
Net Irr						1.77	8.10	7.53	1.59				18.99
Onion					1.81	4.87	9.81	9.11	3.32	0.05			28.97
St Dev					0.32	0.40	0.62	0.50	1.59	0.13			2.30
Net Irr					0.06	4.05	9.10	8.45	2.31				23.97
Other Hay				0.91	6.09	8.71	6.52	3.36	1.58	0.15			27.33
St Dev				0.62	0.81	0.51	1.07	0.18	0.27	0.17			1.40
Net Irr					4.35	7.88	5.82	2.70	0.57				21.31
Pasture				1.11	4.32	5.79	7.04	6.30	3.72	0.64			28.92
St Dev				0.50	0.47	0.36	0.38	0.27	0.85	0.68			2.09
Net Irr					2.57	4.96	6.33	5.64	2.71				22.21
Safflower					0.69	7.54	10.35	9.02	3.96	0.46			32.02
St Dev					0.53	0.97	0.56	0.45	1.33	0.51			2.86
Net Irr						6.71	9.64	8.35	2.95				27.66
Sorghum					0.58	3.22	8.35	8.34	4.24	0.01			24.75
St Dev					0.28	0.58	0.69	0.38	1.37	0.06			1.74
Net Irr						2.40	7.65	7.68	3.23				20.95
Spring Grain				0.53	3.49	8.38	7.90	0.51					20.81
St Dev				0.27	0.90	0.78	1.42	0.66					1.11
Net Irr					1.74	7.55	7.19						16.48
Winter Wheat			0.36	1.43	4.01	8.47	5.10	0.11					19.48
St Dev			0.20	0.24	1.05	0.73	1.99	0.23					1.12
Net Irr				0.05	2.26	7.64	4.40						14.35

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TREMONTON

Aridity Index: 43%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.71, Long: -112.16, Elev: 4310 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.00	2.87	6.28	7.58	2.58	0.02			20.33
St Dev					0.16	0.25	0.48	0.35	0.96	0.07			1.31
Net Irr						2.04	5.57	6.92	1.58				16.10
Turfgrass				1.40	3.63	5.09	6.21	5.58	3.60	0.75			26.27
St Dev				0.51	0.36	0.32	0.33	0.24	0.64	0.76			1.87
Net Irr				0.02	1.88	4.26	5.50	4.92	2.59				19.18
Open Water Deep	0.91	1.27	1.59	2.16	2.94	4.14	6.33	6.64	4.05	3.02	1.72	1.08	35.84
St Dev	0.17	0.24	0.28	0.30	0.31	0.41	0.64	0.43	0.38	0.33	0.24	0.16	1.92
Net Evap		0.12	0.33	0.78	1.19	3.31	5.62	5.97	3.04	1.75	0.71		22.81
Open Water Shallow	0.72	1.19	2.32	3.46	4.94	5.79	6.79	5.98	4.22	2.58	1.20	0.71	39.91
St Dev	0.10	0.15	0.25	0.28	0.34	0.31	0.32	0.21	0.25	0.20	0.13	0.09	1.46
Net Evap		0.04	1.06	2.07	3.19	4.97	6.08	5.32	3.21	1.31	0.19		27.44
Wetlands Large					0.04	3.42	9.79	9.73	5.51	0.71			29.21
St Dev					0.09	0.97	0.86	0.44	1.86	1.15			2.93
Net ET						2.59	9.08	9.07	4.51				25.25
Wetlands Narrow					0.04	4.50	13.91	13.90	7.88	1.02			41.25
St Dev					0.11	1.35	1.27	0.64	2.66	1.65			4.18
Net ET						3.67	13.20	13.24	6.87				36.98
ETr	1.25	1.96	3.51	5.16	7.01	8.52	10.35	9.30	6.51	4.31	2.21	1.39	61.47
St Dev	0.21	0.29	0.47	0.52	0.59	0.53	0.56	0.39	0.48	0.45	0.33	0.23	2.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TRENTON

Aridity Index: 13%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.92, Long: -111.91, Elev: 4455 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.92	25.66	36.77	45.15	54.01	62.00	69.21	68.03	58.12	47.06	33.86	23.99	45.48
St Dev	6.15	5.95	4.83	3.51	2.64	2.54	3.03	2.63	2.65	2.32	3.60	4.38	1.71
Precip (in)	1.59	1.57	1.72	1.99	2.25	1.19	0.79	0.89	1.28	1.71	1.39	1.61	17.99
St Dev	1.15	1.07	0.99	1.15	1.30	0.83	0.66	0.81	0.96	1.08	0.88	1.27	5.01
Aridity Adj. (F)	0.26	0.25	0.35	0.48	0.72	0.88	0.74	0.73	0.74	0.68	0.47	0.31	0.55
Est. Dewpoint (F)	18.93	20.78	24.77	25.91	33.13	38.68	41.23	39.94	33.64	28.39	22.81	18.25	28.87
Rs (langley/day)	168	227	357	448	574	658	645	581	451	301	185	109	392
Wind (mpd)	79	71	102	119	101	92	87	96	90	89	84	81	91
Calc. Wind Limit (mpd)	96	96	96	104	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.23	5.85	6.31	7.69	7.94	3.12	0.30			32.44
St Dev				0.73	0.68	0.55	0.59	0.63	1.35	0.50			2.44
Net Irr					4.06	5.35	7.05	7.22	2.10				25.78
Alfalfa (Dairy)				1.23	5.68	6.28	7.11	6.82	3.30	0.28			30.69
St Dev				0.73	0.55	0.48	0.47	0.39	1.14	0.47			2.21
Net Irr					3.88	5.32	6.47	6.10	2.27				24.06
Barley				0.68	4.01	8.28	6.57	0.28					19.83
St Dev				0.36	1.04	0.75	1.56	0.50					0.77
Net Irr					2.21	7.32	5.94						15.47
Corn					0.57	2.61	7.97	8.57	3.52	0.14			23.39
St Dev					0.26	0.75	1.11	0.44	1.02	0.23			1.60
Net Irr						1.66	7.34	7.86	2.50				19.35
Melon					0.53	3.44	6.16	5.85	2.20	0.05			18.22
St Dev					0.28	0.70	0.38	0.47	1.36	0.17			2.26
Net Irr						2.48	5.53	5.13	1.17				14.31
Other Hay				1.25	6.24	8.24	5.50	3.22	1.49	0.12			26.06
St Dev				0.75	0.75	0.61	0.94	0.19	0.24	0.13			1.40
Net Irr					4.44	7.29	4.87	2.51	0.46				19.56
Pasture				1.36	4.35	5.58	6.47	6.22	3.82	1.02			28.83
St Dev				0.57	0.44	0.42	0.38	0.34	0.71	0.82			2.42
Net Irr					2.55	4.62	5.84	5.51	2.80				21.32
Potato					0.81	3.43	7.14	6.53	2.73	0.09			20.73
St Dev					0.30	0.85	0.57	0.35	0.96	0.16			1.18
Net Irr						2.47	6.51	5.81	1.70				16.50
Safflower					0.97	7.54	9.52	8.98	4.27	0.70			31.98
St Dev					0.78	0.95	0.57	0.56	1.15	0.60			3.19
Net Irr						6.59	8.89	8.27	3.24				26.98
Sorghum					0.71	3.38	7.86	8.22	3.87				24.04
St Dev					0.32	0.72	0.67	0.43	1.02				1.61
Net Irr						2.42	7.23	7.51	2.85				20.00
Spring Grain				0.67	3.79	8.20	7.61	0.81					21.08
St Dev				0.34	0.98	0.80	1.17	0.85					0.82
Net Irr					1.99	7.24	6.98	0.09					16.31
Winter Wheat			0.40	1.48	4.36	8.23	4.86	0.16					19.49
St Dev			0.20	0.33	1.13	0.73	1.78	0.27					0.69
Net Irr					2.56	7.28	4.23						14.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TRENTON

Aridity Index: 13%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.92, Long: -111.91, Elev: 4455 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.01	1.29	3.10	6.30	7.20	1.68				19.56
St Dev				0.03	0.34	0.47	0.70	0.55	0.97				1.94
Net Irr						2.14	5.66	6.48	0.65				14.94
Small Fruit					0.75	3.87	8.49	8.65	2.88	0.05			24.69
St Dev					0.33	0.83	0.78	0.75	1.78	0.17			3.21
Net Irr						2.91	7.86	7.93	1.85				20.56
Turfgrass				1.62	3.64	4.91	5.71	5.50	3.60	1.15			26.15
St Dev				0.53	0.37	0.37	0.34	0.29	0.54	0.86			2.17
Net Irr				0.03	1.84	3.96	5.08	4.79	2.58				18.28
Open Water Deep	0.54	0.48	1.22	2.02	2.68	3.38	4.61	5.43	3.37	2.62	1.38	0.75	28.49
St Dev	0.09	0.08	0.26	0.33	0.32	0.36	0.47	0.44	0.35	0.29	0.21	0.11	1.67
Net Evap				0.43	0.88	2.43	3.98	4.72	2.35	1.25	0.26		16.30
Open Water Shallow	0.54	0.89	2.32	3.47	4.82	5.60	6.19	5.81	4.05	2.47	1.10	0.50	37.78
St Dev	0.08	0.10	0.30	0.35	0.34	0.33	0.30	0.24	0.27	0.21	0.14	0.08	1.40
Net Evap			0.94	1.88	3.02	4.65	5.56	5.10	3.02	1.11			25.28
Wetlands Large					0.08	3.66	9.17	9.59	5.35	0.48			28.33
St Dev					0.18	1.05	0.81	0.51	1.54	0.77			2.96
Net ET						2.70	8.54	8.88	4.32				24.44
Wetlands Narrow					0.09	4.86	13.05	13.70	7.64	0.69			40.02
St Dev					0.21	1.50	1.19	0.72	2.19	1.11			4.23
Net ET						3.90	12.42	12.99	6.61				35.92
ETr	0.61	1.03	3.03	5.01	6.84	8.20	9.52	9.17	6.28	4.02	1.72	0.84	56.27
St Dev	0.14	0.16	0.49	0.65	0.60	0.61	0.57	0.49	0.57	0.47	0.31	0.19	2.67

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TROPIC

Aridity Index: 32%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 37.63, Long: -112.08, Elev: 6280 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.70	32.02	39.00	45.32	53.57	62.18	68.83	66.56	58.75	49.00	37.11	29.27	47.53
St Dev	4.15	3.69	3.51	3.43	3.09	2.81	2.35	2.14	2.20	2.95	3.01	3.69	1.32
Precip (in)	1.01	1.10	1.04	0.73	0.61	0.42	0.99	1.40	1.13	1.38	0.94	0.91	11.68
St Dev	1.09	1.03	0.91	0.68	0.49	0.48	0.70	0.92	1.06	1.16	1.15	0.88	3.48
Aridity Adj. (F)	0.64	0.61	0.86	1.18	1.76	2.18	1.82	1.79	1.82	1.66	1.15	0.77	1.35
Est. Dewpoint (F)	23.01	21.93	21.41	22.42	28.17	33.43	41.89	41.91	34.81	29.74	22.22	19.99	28.41
Rs (langley/day)	266	347	458	554	613	720	567	542	463	371	255	206	447
Wind (mpd)	125	133	147	165	153	148	123	121	130	130	126	120	135
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	96	96	100	96	96	108
.....Inches.....													
Alfalfa (Beef)				0.90	5.46	7.35	6.84	5.36	2.58	0.07			28.57
St Dev				0.15	0.74	0.54	0.57	0.75	1.25	0.22			1.82
Net Irr				0.31	4.97	7.01	6.05	4.24	1.68				24.26
Alfalfa (Dairy)				0.90	5.46	6.78	6.02	5.18	2.46	0.06			26.86
St Dev				0.15	0.74	0.42	0.28	0.36	1.22	0.19			1.80
Net Irr				0.31	4.97	6.44	5.23	4.06	1.56				22.56
Other Hay				0.94	6.27	9.02	4.90	2.56	1.25	0.09			25.04
St Dev				0.15	0.63	0.61	0.26	0.16	0.24	0.10			1.21
Net Irr				0.35	5.78	8.68	4.12	1.43	0.34				20.71
Pasture				0.59	3.98	5.96	5.41	4.81	2.90	0.41			24.06
St Dev				0.09	0.40	0.40	0.27	0.30	0.78	0.61			1.47
Net Irr					3.49	5.62	4.62	3.69	2.00				19.42
Spring Grain				0.39	2.49	7.39	8.09	4.03	0.23				22.61
St Dev				0.06	0.60	1.12	0.39	1.33	0.28				0.84
Net Irr					2.00	7.05	7.30	2.91					19.25

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TROPIC

Aridity Index: 32%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 37.63, Long: -112.08, Elev: 6280 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.02	2.32	3.50	5.11	1.81	0.02			12.77
St Dev					0.03	0.15	0.18	0.53	1.23	0.08			1.56
Net Irr						1.98	2.71	3.99	0.90				9.58
Turfgrass				0.88	3.44	5.21	4.77	4.27	2.85	0.48			21.89
St Dev				0.13	0.34	0.35	0.23	0.26	0.62	0.66			1.33
Net Irr				0.29	2.95	4.87	3.99	3.14	1.95				17.18
Open Water Deep	0.58	0.73	1.57	2.03	2.92	3.99	3.53	3.44	2.56	2.24	1.40	0.82	25.81
St Dev	0.17	0.18	0.31	0.29	0.39	0.40	0.28	0.26	0.23	0.30	0.22	0.16	1.55
Net Evap			0.74	1.45	2.42	3.65	2.74	2.32	1.66	1.14	0.65	0.09	16.85
Open Water Shallow	0.90	1.46	2.88	3.87	4.89	5.89	5.28	4.97	3.84	2.69	1.38	0.81	38.87
St Dev	0.17	0.22	0.36	0.32	0.35	0.29	0.19	0.23	0.21	0.25	0.17	0.13	1.40
Net Evap	0.09	0.58	2.05	3.29	4.40	5.55	4.49	3.85	2.94	1.59	0.63	0.09	29.53
Wetlands Large						3.06	7.36	7.38	3.62	0.16			21.58
St Dev						0.21	0.37	0.50	1.71	0.52			2.17
Net ET						2.72	6.57	6.26	2.72				18.26
Wetlands Narrow						3.98	10.44	10.54	5.17	0.23			30.36
St Dev						0.27	0.52	0.71	2.44	0.74			3.10
Net ET						3.64	9.65	9.42	4.27				26.98
ETr	0.83	1.57	3.67	5.24	7.03	8.77	7.96	7.11	5.43	3.72	1.95	1.07	54.34
St Dev	0.30	0.36	0.63	0.56	0.68	0.59	0.39	0.44	0.40	0.47	0.35	0.27	2.69

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: UTAH LAKE LEHI

Aridity Index: 5%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.36, Long: -111.9, Elev: 4497 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.70	31.23	39.32	47.63	56.48	65.68	73.37	71.40	61.37	49.70	36.88	28.48	49.02
St Dev	5.43	4.46	3.26	2.85	2.86	2.76	2.49	2.13	2.27	2.51	3.18	3.91	1.36
Precip (in)	1.12	1.07	1.16	1.30	1.36	0.69	0.60	0.84	1.09	1.30	1.20	0.98	12.71
St Dev	0.69	0.75	0.72	0.81	1.07	0.68	0.46	0.66	1.01	0.83	0.79	0.77	3.43
Aridity Adj. (F)	0.10	0.10	0.14	0.19	0.28	0.34	0.29	0.28	0.29	0.26	0.18	0.12	0.21
Est. Dewpoint (F)	17.90	19.80	22.93	26.65	32.86	37.54	42.40	41.95	35.00	30.19	23.68	19.64	29.21
Rs (langley/day)	169	262	391	479	598	664	645	565	465	325	204	153	410
Wind (mpd)	69	70	102	110	102	92	84	88	78	76	76	67	85
Calc. Wind Limit (mpd)	96	96	99	109	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.48	5.73	6.27	7.41	7.12	3.13	0.42			31.56
St Dev				0.63	0.70	0.53	0.55	0.64	1.13	0.67			2.34
Net Irr				0.44	4.64	5.71	6.93	6.45	2.26				26.43
Alfalfa (Dairy)				1.48	5.60	6.26	6.73	6.08	3.26	0.34			29.75
St Dev				0.63	0.59	0.53	0.33	0.28	0.92	0.55			2.18
Net Irr				0.44	4.52	5.71	6.25	5.41	2.39				24.70
Apples / Cherries				0.52	4.50	8.32	9.41	8.48	5.05	1.42	0.02		37.71
St Dev				0.24	0.53	0.74	0.45	0.38	0.51	0.85	0.06		2.16
Net Irr					3.41	7.77	8.92	7.81	4.18	0.37			32.46
Barley				0.76	3.75	8.19	6.61	0.27					19.58
St Dev				0.30	0.91	0.83	1.29	0.43					1.21
Net Irr					2.66	7.64	6.13						16.43
Corn					0.67	2.64	7.66	7.61	3.32	0.15			22.04
St Dev					0.24	0.71	0.95	0.43	0.91	0.23			1.61
Net Irr						2.09	7.18	6.94	2.44				18.65
Melon					0.64	3.70	5.87	5.23	2.58	0.06			18.08
St Dev					0.28	0.67	0.29	0.36	1.00	0.13			1.66
Net Irr						3.15	5.39	4.56	1.71				14.80
Other Hay				1.56	6.28	8.06	4.76	2.78	1.28	0.07			24.80
St Dev				0.70	0.69	0.71	0.62	0.17	0.20	0.08			1.36
Net Irr				0.52	5.19	7.50	4.28	2.11	0.41				20.02
Other Orchard				0.51	4.25	7.77	8.68	7.82	4.56	1.33	0.02		34.95
St Dev				0.23	0.52	0.68	0.42	0.35	0.46	0.82	0.06		2.02
Net Irr					3.16	7.22	8.20	7.15	3.69	0.29			29.72
Pasture			0.01	1.57	4.31	5.55	6.15	5.55	3.53	1.06	0.03		27.76
St Dev			0.04	0.50	0.42	0.46	0.30	0.25	0.48	0.74	0.10		1.78
Net Irr				0.53	3.22	5.00	5.67	4.87	2.66	0.02			21.97
Potato					0.89	3.42	6.81	5.84	2.69	0.13			19.78
St Dev					0.26	0.78	0.44	0.34	0.81	0.25			1.39
Net Irr						2.86	6.33	5.17	1.81				16.18
Safflower					1.27	7.78	9.04	8.02	4.00	0.71			30.83
St Dev					0.80	0.89	0.44	0.40	0.86	0.49			2.16
Net Irr					0.19	7.23	8.56	7.34	3.13				26.45
Sorghum					0.83	3.63	7.66	7.35	3.28				22.76
St Dev					0.30	0.73	0.52	0.33	0.74				1.19
Net Irr						3.08	7.17	6.68	2.41				19.35
Spring Grain				0.74	3.54	8.09	7.52	0.83					20.72
St Dev				0.29	0.86	0.88	1.02	0.73					1.25
Net Irr					2.45	7.53	7.04	0.16					17.18

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: UTAH LAKE LEHI

Aridity Index: 5%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 40.36, Long: -111.9, Elev: 4497 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Winter Wheat			0.49	1.33	3.68	8.10	5.49	0.21					19.30
St Dev			0.16	0.24	0.95	0.86	1.49	0.29					1.17
Net Irr				0.29	2.60	7.55	5.01						15.44
Garden					1.38	3.22	6.20	6.37	1.74				18.90
St Dev					0.29	0.44	0.55	0.44	0.64				1.16
Net Irr					0.29	2.66	5.72	5.70	0.86				15.23
Small Fruit					0.86	4.14	8.27	7.76	3.36	0.02			24.41
St Dev					0.32	0.79	0.61	0.62	1.29	0.07			2.21
Net Irr						3.58	7.79	7.08	2.49				20.95
Turfgrass			0.02	1.77	3.60	4.90	5.43	4.90	3.28	1.16	0.04		25.11
St Dev			0.07	0.43	0.37	0.41	0.26	0.22	0.34	0.72	0.13		1.58
Net Irr				0.73	2.51	4.35	4.95	4.23	2.41	0.12			19.29
Open Water Deep	0.55	0.59	1.18	1.80	2.41	3.42	4.32	4.59	2.71	1.94	1.10	0.58	25.20
St Dev	0.10	0.09	0.21	0.30	0.29	0.34	0.32	0.26	0.20	0.25	0.17	0.09	1.27
Net Evap			0.25	0.75	1.33	2.86	3.84	3.92	1.84	0.90	0.14		15.84
Open Water Shallow	0.64	1.11	2.43	3.49	4.83	5.63	6.15	5.56	4.00	2.42	1.09	0.59	37.93
St Dev	0.09	0.13	0.28	0.37	0.35	0.36	0.24	0.19	0.20	0.24	0.14	0.08	1.37
Net Evap		0.26	1.49	2.45	3.74	5.07	5.67	4.88	3.13	1.38	0.13		28.21
Wetlands Large					0.14	4.07	8.93	8.58	5.08	0.54			27.33
St Dev					0.24	1.05	0.63	0.39	1.07	0.84			2.71
Net ET						3.52	8.45	7.90	4.20				24.07
Wetlands Narrow					0.16	5.45	12.72	12.25	7.25	0.78			38.61
St Dev					0.29	1.50	0.92	0.56	1.53	1.21			3.85
Net ET						4.90	12.24	11.58	6.38				35.10
ETr	0.77	1.29	3.03	4.76	6.58	8.17	9.04	8.17	5.60	3.38	1.48	0.74	53.00
St Dev	0.14	0.18	0.44	0.65	0.59	0.68	0.44	0.37	0.34	0.44	0.27	0.14	2.55

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: VERNAL 2SW

Aridity Index: 20%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.43, Long: -109.55, Elev: 5470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.70	25.44	38.36	47.31	56.28	65.51	72.01	69.81	60.01	47.89	33.59	21.56	46.37
St Dev	7.44	6.59	3.55	3.22	2.46	2.64	2.17	1.81	2.34	2.28	3.14	5.36	1.72
Precip (in)	0.48	0.51	0.72	0.83	0.99	0.68	0.57	0.72	0.98	1.29	0.58	0.55	8.90
St Dev	0.41	0.34	0.59	0.55	0.73	0.54	0.54	0.57	0.72	1.12	0.43	0.52	2.23
Aridity Adj. (F)	0.40	0.38	0.54	0.74	1.10	1.36	1.14	1.12	1.14	1.04	0.72	0.48	0.85
Est. Dewpoint (F)	11.55	14.64	20.15	22.79	30.50	34.49	38.76	39.42	34.00	28.16	18.00	12.82	25.44
Rs (langley/day)	188	282	394	505	592	668	638	572	464	331	211	159	417
Wind (mpd)	44	52	81	95	85	78	73	68	64	64	58	49	68
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			0.01	2.30	6.39	6.86	7.04	6.68	3.98	0.45			33.71
St Dev			0.04	1.03	0.50	0.81	0.36	0.56	1.21	0.56			2.68
Net Irr				1.64	5.60	6.32	6.58	6.10	3.20				29.44
Alfalfa (Dairy)			0.01	2.30	5.87	6.58	6.95	5.98	3.48	0.43			31.59
St Dev			0.04	1.03	0.41	0.46	0.37	0.31	0.91	0.55			2.24
Net Irr				1.64	5.08	6.04	6.49	5.40	2.69				27.34
Barley			0.01	1.19	5.17	8.72	4.15	0.01					19.25
St Dev			0.04	0.52	1.12	0.62	1.65	0.05					0.94
Net Irr				0.53	4.38	8.17	3.69						16.77
Corn					0.97	3.77	8.60	6.81	2.12	0.04			22.30
St Dev					0.34	1.13	0.68	0.55	0.87	0.11			1.36
Net Irr					0.18	3.23	8.14	6.23	1.34				19.11
Other Hay			0.01	2.39	7.05	8.09	4.50	2.61	1.12	0.05			25.81
St Dev			0.04	1.11	0.72	0.71	0.84	0.20	0.25	0.10			1.37
Net Irr				1.72	6.26	7.55	4.04	2.03	0.33				21.94
Pasture			0.05	2.13	4.76	5.83	6.26	5.38	3.38	0.96	0.02		28.76
St Dev			0.10	0.75	0.43	0.42	0.30	0.25	0.56	0.70	0.08		2.14
Net Irr				1.47	3.97	5.28	5.80	4.80	2.60				23.92
Sorghum					1.22	4.48	8.01	7.13	2.59				23.42
St Dev					0.43	1.00	0.51	0.35	0.95				1.32
Net Irr					0.42	3.94	7.55	6.56	1.81				20.27
Spring Grain			0.01	1.15	4.92	8.74	5.43	0.13					20.38
St Dev			0.04	0.49	1.10	0.67	1.53	0.24					1.04
Net Irr				0.49	4.13	8.20	4.97						17.78

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: VERNAL 2SW

Aridity Index: 20%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 40.43, Long: -109.55, Elev: 5470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.69	3.58	6.58	6.09	1.51				19.45
St Dev					0.30	0.43	0.53	0.35	0.54				1.17
Net Irr					0.90	3.04	6.12	5.51	0.72				16.30
Turfgrass			0.08	2.25	4.02	5.14	5.52	4.76	3.18	1.06	0.02		26.04
St Dev			0.16	0.60	0.38	0.37	0.26	0.23	0.39	0.73	0.10		1.87
Net Irr				1.59	3.23	4.60	5.07	4.18	2.40	0.03			21.09
Open Water Deep	0.37	0.53	1.41	2.27	2.87	3.72	4.59	4.16	2.60	1.94	1.09	0.49	26.04
St Dev	0.11	0.12	0.23	0.30	0.29	0.37	0.31	0.23	0.22	0.20	0.15	0.11	1.26
Net Evap		0.12	0.84	1.61	2.08	3.18	4.13	3.58	1.81	0.91	0.62	0.05	18.93
Open Water Shallow	0.67	1.21	2.72	3.99	5.13	5.90	6.26	5.65	4.10	2.58	1.25	0.65	40.11
St Dev	0.15	0.21	0.31	0.32	0.35	0.35	0.24	0.22	0.23	0.22	0.15	0.12	1.56
Net Evap	0.29	0.80	2.15	3.32	4.34	5.36	5.80	5.08	3.32	1.55	0.78	0.21	33.00
Wetlands Large					0.44	5.15	9.37	8.32	5.26	0.92			29.47
St Dev					0.42	1.22	0.60	0.40	0.83	1.11			3.05
Net ET						4.61	8.92	7.75	4.47				25.75
Wetlands Narrow					0.52	7.04	13.38	11.89	7.51	1.32			41.65
St Dev					0.53	1.79	0.87	0.58	1.18	1.58			4.35
Net ET						6.50	12.92	11.32	6.72	0.29			37.74
ETr	0.75	1.37	3.60	5.63	7.23	8.57	9.21	7.93	5.52	3.45	1.68	0.81	55.73
St Dev	0.19	0.25	0.49	0.55	0.59	0.62	0.43	0.38	0.37	0.36	0.24	0.18	2.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: VERNON

Aridity Index: 22%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.11, Long: -112.44, Elev: 5485 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.61	30.92	38.17	44.88	53.91	63.90	72.02	70.19	60.27	48.72	35.84	27.07	47.71
St Dev	5.03	4.10	3.41	3.33	2.96	2.94	2.23	1.87	2.60	2.79	3.34	3.85	1.55
Precip (in)	0.74	0.87	1.12	0.91	1.15	0.69	0.76	0.80	0.88	1.16	0.88	0.67	10.64
St Dev	0.59	0.60	0.66	0.60	0.91	0.73	0.63	0.78	0.95	0.75	0.61	0.52	3.14
Aridity Adj. (F)	0.44	0.42	0.59	0.81	1.21	1.50	1.25	1.23	1.25	1.14	0.79	0.53	0.93
Est. Dewpoint (F)	16.40	17.51	19.11	22.72	27.91	33.27	38.57	38.36	31.08	26.95	19.17	15.57	25.55
Rs (langley/day)	184	260	363	484	594	688	664	582	466	345	212	174	418
Wind (mpd)	82	82	123	133	118	107	102	114	97	87	94	75	101
Calc. Wind Limit (mpd)	96	96	108	118	99	96	96	99	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)				1.69	6.13	6.84	8.38	7.90	3.16	0.21			34.30
St Dev				0.64	0.85	0.48	0.63	0.80	1.37	0.39			2.55
Net Irr				0.96	5.20	6.28	7.77	7.26	2.45				29.93
Alfalfa (Dairy)				1.69	6.00	6.77	7.55	6.84	3.46	0.21			32.53
St Dev				0.64	0.74	0.49	0.40	0.32	1.25	0.47			2.29
Net Irr				0.96	5.08	6.22	6.94	6.20	2.76				28.16
Barley				0.78	3.87	8.78	7.48	0.36					21.27
St Dev				0.23	1.01	0.90	1.57	0.54					0.66
Net Irr				0.05	2.94	8.22	6.87						18.09
Other Hay				1.80	6.80	8.69	5.24	3.11	1.40	0.04			27.08
St Dev				0.68	0.83	0.53	0.61	0.13	0.25	0.09			1.29
Net Irr				1.07	5.88	8.14	4.63	2.47	0.69				22.88
Pasture				1.39	4.56	6.01	6.91	6.21	3.61	0.45			29.14
St Dev				0.27	0.46	0.42	0.36	0.28	0.88	0.56			1.95
Net Irr				0.66	3.63	5.46	6.30	5.58	2.90				24.53
Sorghum					0.73	3.57	8.44	8.27	4.07				25.10
St Dev					0.20	0.44	0.60	0.37	0.92				1.38
Net Irr						3.02	7.83	7.63	3.37				21.85
Spring Grain				0.77	3.66	8.65	8.45	0.98					22.51
St Dev				0.22	0.96	0.97	1.22	0.90					0.66
Net Irr				0.04	2.74	8.09	7.84	0.34					19.06

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: VERNON

Aridity Index: 22%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.11, Long: -112.44, Elev: 5485 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.82	2.79	5.78	7.32	2.18	0.01			18.89
St Dev					0.10	0.19	0.32	0.69	1.27	0.03			1.80
Net Irr						2.23	5.17	6.68	1.47				15.55
Turfgrass				1.70	3.77	5.31	6.10	5.51	3.56	0.54			26.49
St Dev				0.29	0.38	0.37	0.32	0.24	0.68	0.64			1.74
Net Irr				0.97	2.85	4.75	5.49	4.87	2.85				21.78
Open Water Deep	0.92	0.98	1.71	2.21	2.83	4.01	5.60	5.82	3.86	2.63	1.79	0.91	33.27
St Dev	0.16	0.15	0.27	0.34	0.36	0.43	0.44	0.36	0.35	0.33	0.28	0.14	1.99
Net Evap	0.32	0.28	0.82	1.48	1.91	3.46	4.99	5.18	3.15	1.70	1.08	0.37	24.76
Open Water Shallow	0.86	1.33	2.58	3.66	4.93	5.92	6.53	5.92	4.29	2.75	1.37	0.82	40.97
St Dev	0.11	0.15	0.28	0.34	0.38	0.33	0.27	0.20	0.24	0.24	0.17	0.10	1.59
Net Evap	0.27	0.63	1.68	2.94	4.01	5.37	5.92	5.28	3.58	1.82	0.67	0.28	32.45
Wetlands Large					0.15	4.38	10.03	9.65	5.38	0.37			29.96
St Dev					0.17	1.11	0.84	0.43	1.52	0.71			2.91
Net ET						3.83	9.42	9.01	4.67				26.93
Wetlands Narrow					0.16	5.87	14.29	13.78	7.69	0.54			42.33
St Dev					0.20	1.59	1.23	0.61	2.17	1.01			4.15
Net ET						5.32	13.68	13.14	6.98				39.12
ETr	1.31	1.85	3.72	5.28	7.08	8.84	10.17	9.19	6.65	4.15	2.31	1.27	61.81
St Dev	0.21	0.25	0.52	0.62	0.67	0.61	0.53	0.41	0.46	0.49	0.39	0.19	3.06

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: VEYO PWR HOUSE

Aridity Index: 40%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 37.35, Long: -113.67, Elev: 4600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	36.65	40.38	46.09	52.51	61.48	70.97	77.00	74.93	68.04	57.19	44.75	37.17	55.60
St Dev	3.46	2.95	3.71	3.42	3.56	2.86	2.34	1.76	2.40	3.23	3.37	3.19	1.23
Precip (in)	1.52	1.88	2.18	1.08	0.71	0.39	0.98	1.20	1.03	1.34	1.13	1.18	14.62
St Dev	1.58	1.68	1.91	0.98	0.71	0.49	0.94	0.93	1.07	1.32	0.96	1.02	4.73
Aridity Adj. (F)	0.80	0.76	1.08	1.48	2.20	2.72	2.28	2.24	2.28	2.08	1.44	0.96	1.69
Est. Dewpoint (F)	24.33	24.81	24.62	25.97	29.72	33.85	42.83	43.04	36.99	33.15	26.37	24.58	30.86
Rs (langleys/day)	229	306	445	564	659	701	641	575	487	355	247	200	451
Wind (mpd)	77	75	105	116	105	102	90	90	83	82	78	72	90
Calc. Wind Limit (mpd)	96	96	96	98	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			0.24	3.52	6.55	7.38	7.01	6.70	4.84	1.52	0.07		37.83
St Dev			0.26	0.68	0.50	0.93	0.39	0.56	1.09	1.08	0.21		2.31
Net Irr				2.65	5.98	7.07	6.23	5.74	4.02	0.45			32.14
Alfalfa (Dairy)			0.24	3.52	6.05	6.76	6.90	6.09	4.30	1.57	0.04		35.47
St Dev			0.26	0.68	0.34	0.39	0.31	0.26	0.86	1.12	0.14		2.19
Net Irr				2.65	5.48	6.45	6.12	5.13	3.47	0.50			29.80
Apples / Cherries				0.98	5.53	9.21	9.52	8.40	5.30	2.05			40.99
St Dev				0.12	0.49	0.54	0.39	0.33	0.38	0.97			1.59
Net Irr				0.12	4.96	8.90	8.74	7.44	4.47	0.99			35.61
Barley			0.20	1.67	5.73	9.02	4.46	0.07					21.15
St Dev			0.14	0.54	1.27	0.53	2.08	0.18					0.60
Net Irr				0.81	5.16	8.71	3.67						18.36
Corn					1.42	4.06	8.49	7.13	2.88	0.33	0.01		24.32
St Dev					0.25	1.13	0.68	0.56	1.39	0.44	0.03		1.20
Net Irr					0.85	3.75	7.71	6.17	2.05				20.54
Melon					1.76	5.38	5.95	5.28	2.64				21.01
St Dev					0.35	0.47	0.24	0.20	0.63				1.01
Net Irr					1.19	5.07	5.17	4.31	1.82				17.56
Other Hay			0.24	4.00	7.63	6.65	3.54	2.32	0.66				25.03
St Dev			0.27	0.73	0.66	0.79	0.25	0.17	0.24				1.16
Net Irr				3.13	7.06	6.34	2.76	1.36					20.64
Other Orchard				0.92	5.27	8.55	8.79	7.74	4.77	1.99			38.04
St Dev				0.11	0.47	0.51	0.36	0.30	0.34	0.95			1.51
Net Irr				0.06	4.69	8.24	8.00	6.78	3.95	0.93			32.65
Pasture			0.46	2.99	5.01	6.06	6.22	5.52	3.88	1.67	0.14		31.96
St Dev			0.25	0.41	0.43	0.36	0.26	0.22	0.45	0.89	0.27		1.79
Net Irr				2.13	4.44	5.75	5.44	4.56	3.05	0.61			25.97
Potato					1.57	4.69	7.02	5.57	2.33	0.22			21.41
St Dev					0.28	0.98	0.30	0.36	1.19	0.34			1.02
Net Irr					1.00	4.38	6.24	4.61	1.51				17.73
Spring Grain			0.20	1.60	5.47	9.07	5.71	0.29					22.33
St Dev			0.14	0.50	1.27	0.60	1.90	0.44					0.64
Net Irr				0.74	4.90	8.76	4.92						19.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: VEYO PWR HOUSE

Aridity Index: 40%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 37.35, Long: -113.67, Elev: 4600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.90	3.93	6.78	6.10	1.47				20.18
St Dev					0.17	0.23	0.28	0.23	0.28				0.65
Net Irr					1.33	3.62	5.99	5.14	0.64				16.73
Turfgrass			0.67	2.59	4.37	5.35	5.49	4.88	3.58	1.76	0.15		28.84
St Dev			0.31	0.28	0.39	0.32	0.23	0.19	0.28	0.84	0.28		1.53
Net Irr				1.73	3.80	5.04	4.71	3.92	2.75	0.69			22.64
Open Water Deep	0.90	0.93	1.53	1.95	2.97	4.23	4.66	4.62	3.26	2.50	1.50	0.85	29.89
St Dev	0.17	0.16	0.28	0.27	0.39	0.41	0.34	0.24	0.23	0.31	0.23	0.14	1.39
Net Evap				1.09	2.40	3.92	3.88	3.65	2.43	1.43	0.59		19.39
Open Water Shallow	1.08	1.58	3.02	4.12	5.44	6.09	6.20	5.66	4.42	2.88	1.52	0.94	42.94
St Dev	0.16	0.21	0.37	0.33	0.39	0.30	0.21	0.18	0.19	0.24	0.18	0.12	1.23
Net Evap		0.08	1.27	3.26	4.87	5.78	5.42	4.69	3.59	1.81	0.61		31.39
Wetlands Large					1.41	7.16	9.59	8.54	6.07	2.52	0.11		35.40
St Dev					0.56	1.02	0.40	0.33	1.12	1.59	0.32		2.91
Net ET					0.84	6.85	8.81	7.58	5.24	1.45			30.77
Wetlands Narrow					1.77	10.04	13.70	12.20	8.67	3.60	0.16		50.14
St Dev					0.74	1.51	0.57	0.47	1.60	2.27	0.46		4.15
Net ET					1.20	9.73	12.92	11.24	7.85	2.53			45.46
ETr	1.27	1.87	3.77	5.31	7.37	8.91	9.15	8.14	6.09	3.95	2.07	1.15	59.06
St Dev	0.26	0.31	0.55	0.50	0.63	0.53	0.38	0.32	0.30	0.38	0.29	0.20	2.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WAH WAH RCH

Aridity Index: 84%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.48, Long: -113.43, Elev: 4880 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.64	35.14	43.10	49.61	58.86	69.03	76.73	74.47	64.71	52.58	39.62	29.35	51.82
St Dev	5.64	3.77	3.50	3.66	2.98	3.14	2.28	2.38	2.21	2.48	3.62	4.55	1.40
Precip (in)	0.39	0.36	0.61	0.60	0.65	0.35	0.60	0.88	0.68	0.81	0.46	0.28	6.68
St Dev	0.43	0.40	0.55	0.48	0.72	0.46	0.60	0.79	0.95	0.63	0.39	0.30	2.11
Aridity Adj. (F)	1.68	1.60	2.27	3.11	4.62	5.71	4.79	4.70	4.79	4.37	3.02	2.02	3.56
Est. Dewpoint (F)	18.31	21.40	22.39	23.64	28.86	33.37	44.21	44.13	33.74	26.91	19.57	16.27	27.73
Rs (langley/day)	235	315	445	570	625	707	630	576	496	362	261	217	453
Wind (mpd)	93	143	169	182	182	170	144	173	144	126	138	120	149
Calc. Wind Limit (mpd)	96	96	132	132	131	132	96	110	109	104	98	96	111
.....Inches.....													
Alfalfa (Beef)				0.96	6.56	7.72	8.09	7.58	2.63	0.05			33.59
St Dev				0.20	0.86	0.56	0.66	0.83	1.31	0.16			1.72
Net Irr				0.48	6.04	7.44	7.62	6.87	2.09				30.54
Alfalfa (Dairy)				0.96	6.55	7.60	7.07	6.58	2.91	0.04			31.70
St Dev				0.20	0.85	0.65	0.35	0.47	1.30	0.13			1.87
Net Irr				0.48	6.03	7.32	6.59	5.88	2.36				28.66
Barley				0.41	3.59	9.65	7.87	0.63					22.15
St Dev				0.08	0.77	1.06	1.16	0.66					0.95
Net Irr					3.07	9.37	7.40						19.83
Corn					0.02	2.37	7.04	8.64	3.35	0.04			21.46
St Dev					0.03	0.33	0.81	0.43	1.59	0.12			1.93
Net Irr						2.09	6.56	7.94	2.81				19.40
Other Hay				0.96	7.07	10.32	6.00	3.25	1.45	0.06			29.11
St Dev				0.19	0.71	0.84	0.30	0.15	0.44	0.11			1.30
Net Irr				0.48	6.54	10.04	5.53	2.55	0.91				26.04
Pasture				0.60	4.47	6.80	6.46	6.04	3.20	0.24			27.80
St Dev				0.12	0.45	0.55	0.30	0.27	1.19	0.50			1.67
Net Irr				0.12	3.94	6.52	5.98	5.33	2.66				24.56
Spring Grain				0.41	3.41	9.43	8.60	1.45					23.31
St Dev				0.08	0.71	1.09	0.92	0.98					1.02
Net Irr					2.89	9.15	8.13	0.75					20.92

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WAH WAH RCH

Aridity Index: 84%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.48, Long: -113.43, Elev: 4880 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.02	2.64	4.18	6.55	2.43				15.83
St Dev					0.03	0.21	0.20	0.51	1.53				1.80
Net Irr						2.36	3.71	5.85	1.88				13.80
Turfgrass				0.92	3.91	5.92	5.70	5.38	3.24	0.28			25.36
St Dev				0.18	0.39	0.48	0.26	0.25	1.05	0.56			1.46
Net Irr				0.44	3.39	5.64	5.22	4.68	2.69				22.07
Open Water Deep	0.88	1.07	2.08	2.54	3.64	5.29	4.84	5.46	3.95	2.97	1.84	1.06	35.62
St Dev	0.20	0.22	0.40	0.41	0.45	0.55	0.34	0.32	0.31	0.34	0.34	0.23	1.89
Net Evap	0.56	0.78	1.59	2.06	3.12	5.01	4.36	4.76	3.40	2.32	1.47	0.84	30.28
Open Water Shallow	0.94	1.53	3.09	4.21	5.26	6.22	6.15	5.77	4.45	2.87	1.56	0.93	43.01
St Dev	0.17	0.24	0.37	0.42	0.37	0.34	0.22	0.18	0.22	0.24	0.23	0.17	1.36
Net Evap	0.62	1.24	2.59	3.73	4.74	5.95	5.68	5.07	3.91	2.23	1.19	0.71	37.67
Wetlands Large						3.94	9.03	9.39	4.46	0.08			26.90
St Dev						0.35	0.42	0.45	2.18	0.26			2.44
Net ET						3.67	8.55	8.68	3.92				24.82
Wetlands Narrow						5.16	12.84	13.41	6.37	0.12			37.90
St Dev						0.45	0.60	0.64	3.12	0.37			3.48
Net ET						4.88	12.36	12.71	5.83				35.78
ETr	1.29	2.05	4.47	6.07	8.06	9.99	9.50	8.97	7.03	4.72	2.58	1.48	66.22
St Dev	0.35	0.47	0.75	0.79	0.79	0.81	0.44	0.41	0.50	0.56	0.55	0.40	2.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WANSHIP DAM

Aridity Index: 65%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.79, Long: -111.41, Elev: 5940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.70	27.26	35.76	43.57	52.07	60.38	67.54	66.01	57.23	46.53	33.96	25.19	44.93
St Dev	4.76	3.69	3.29	3.17	2.73	2.67	3.05	2.29	2.17	2.68	3.73	3.77	1.60
Precip (in)	1.18	1.07	1.49	1.73	1.94	1.02	0.99	1.06	1.52	1.71	1.68	1.12	16.52
St Dev	0.83	0.56	0.57	0.82	1.11	0.84	0.70	0.84	1.09	1.07	0.90	0.81	3.50
Aridity Adj. (F)	1.30	1.24	1.76	2.41	3.58	4.42	3.71	3.64	3.71	3.38	2.34	1.56	2.75
Est. Dewpoint (F)	13.63	15.23	18.14	20.08	24.74	29.27	34.11	33.59	27.17	22.18	17.38	13.94	22.46
Rs (langley/day)	190	263	393	490	565	611	627	553	475	317	213	168	406
Wind (mpd)	60	58	81	91	89	76	70	75	66	71	70	58	72
Calc. Wind Limit (mpd)	96	96	96	105	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					2.65	6.33	5.73	3.73	0.52				18.96
St Dev					0.36	0.55	1.05	1.96	0.89				3.54
Net Irr					1.09	5.51	4.94	2.88					14.43
Alfalfa (Dairy)					2.65	5.89	5.90	3.69	0.44				18.57
St Dev					0.36	0.41	0.77	2.14	0.71				3.04
Net Irr					1.09	5.07	5.11	2.85					14.12
Barley					1.10	4.52	8.05	4.07	0.10				17.83
St Dev					0.23	0.84	0.56	1.99	0.21				2.45
Net Irr						3.70	7.26	3.22					14.18
Other Hay					2.82	6.96	7.52	3.12	0.77	0.01			21.19
St Dev					0.32	0.56	0.39	0.42	0.53	0.05			1.41
Net Irr					1.27	6.14	6.73	2.27					16.40
Pasture					1.71	4.51	5.38	4.51	1.27	0.02			17.41
St Dev					0.19	0.36	0.33	1.09	1.01	0.10			2.16
Net Irr					0.16	3.69	4.59	3.67	0.06				12.16
Spring Grain					1.07	4.27	7.99	4.64	0.23				18.20
St Dev					0.21	0.82	0.60	2.19	0.39				2.89
Net Irr						3.45	7.20	3.79					14.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WANSHIP DAM

Aridity Index: 65%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.79, Long: -111.41, Elev: 5940 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.94	2.60	4.38	1.15				9.06
St Dev						0.08	0.14	0.22	0.64				0.72
Net Irr						0.12	1.81	3.53					5.45
Turfgrass					2.03	3.73	4.75	4.08	1.33	0.02			15.95
St Dev					0.23	0.30	0.27	0.93	0.99	0.12			1.93
Net Irr					0.48	2.91	3.96	3.23	0.12				10.70
Open Water Deep	0.47	0.45	0.90	1.37	1.97	2.23	2.87	3.19	1.98	1.70	1.00	0.52	18.65
St Dev	0.08	0.07	0.16	0.22	0.24	0.25	0.29	0.21	0.16	0.20	0.17	0.09	1.18
Net Evap					0.41	1.42	2.08	2.35	0.76	0.33			7.35
Open Water Shallow	0.67	1.04	2.27	3.29	4.30	4.77	5.48	4.98	3.71	2.26	1.09	0.62	34.48
St Dev	0.09	0.12	0.25	0.34	0.31	0.30	0.24	0.17	0.20	0.20	0.16	0.10	1.31
Net Evap		0.18	1.08	1.90	2.75	3.96	4.69	4.13	2.49	0.88			22.06
Wetlands Large						0.89	5.77	5.99	0.91				13.57
St Dev						0.14	0.42	2.32	1.27				3.31
Net ET						0.08	4.98	5.14					10.20
Wetlands Narrow						1.08	8.03	8.55	1.30				18.97
St Dev						0.17	0.61	3.31	1.81				4.72
Net ET						0.27	7.24	7.71	0.08				15.30
ETr	0.82	1.21	2.80	4.38	6.01	6.92	7.95	7.33	5.12	3.33	1.55	0.80	48.22
St Dev	0.14	0.17	0.38	0.58	0.56	0.56	0.42	0.34	0.37	0.40	0.32	0.18	2.30

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WENDOVER AP AWOS

Aridity Index: 51%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.72, Long: -114.04, Elev: 4237 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.07	33.12	43.16	51.05	60.91	71.13	79.57	76.89	65.69	51.80	37.68	28.15	52.19
St Dev	5.03	4.26	2.99	3.46	3.00	3.31	2.71	1.96	2.28	2.20	2.92	3.53	1.24
Precip (in)	0.33	0.26	0.42	0.48	0.73	0.33	0.26	0.35	0.38	0.48	0.26	0.20	4.46
St Dev	0.38	0.22	0.39	0.45	0.82	0.31	0.24	0.44	0.57	0.59	0.25	0.19	1.97
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	21.98	25.41	28.24	31.42	38.06	44.83	50.50	48.84	42.02	35.45	26.50	21.08	34.53
Rs (langley/day)	182	265	362	497	616	685	656	584	464	341	216	167	420
Wind (mpd)	82	87	118	142	134	131	128	116	102	96	85	78	108
Calc. Wind Limit (mpd)	96	96	110	128	106	99	96	97	96	96	96	96	101
.....Inches.....													
Alfalfa (Beef)				2.46	6.16	7.07	7.36	7.14	5.11	1.46	0.04		36.80
St Dev				0.72	0.44	0.89	0.31	0.55	0.60	0.69	0.12		1.84
Net Irr				2.08	5.58	6.81	7.15	6.86	4.81	1.08			34.37
Alfalfa (Dairy)				2.46	5.60	6.45	7.36	6.60	4.37	1.53	0.03		34.40
St Dev				0.72	0.39	0.39	0.40	0.36	0.46	0.77	0.08		1.78
Net Irr				2.08	5.02	6.19	7.16	6.32	4.07	1.15			31.97
Barley			0.01	1.29	5.47	8.48	2.94						18.19
St Dev			0.03	0.42	0.98	0.52	1.60						0.46
Net Irr				0.90	4.89	8.22	2.74						16.75
Corn					1.06	3.81	9.11	6.08	0.68	0.04			20.79
St Dev					0.25	1.18	0.72	1.14	0.91	0.19			0.93
Net Irr					0.48	3.55	8.91	5.80	0.38				19.12
Other Hay				2.52	7.04	7.86	4.39	2.80	1.15	0.01			25.79
St Dev				0.72	0.63	0.59	0.45	0.14	0.18	0.04			1.29
Net Irr				2.14	6.46	7.60	4.19	2.53	0.85				23.76
Pasture			0.05	2.23	4.71	5.77	6.62	5.93	3.94	1.75	0.14		31.14
St Dev			0.09	0.50	0.40	0.42	0.33	0.28	0.26	0.43	0.22		1.87
Net Irr				1.84	4.13	5.50	6.42	5.65	3.64	1.37			28.55
Sorghum					1.34	4.81	8.59	7.85	2.38				24.96
St Dev					0.32	0.87	0.49	0.38	0.82				1.15
Net Irr					0.75	4.54	8.39	7.57	2.08				23.34
Spring Grain			0.01	1.24	5.24	8.62	4.14	0.02					19.26
St Dev			0.03	0.40	0.99	0.59	1.71	0.07					0.50
Net Irr				0.85	4.66	8.35	3.93						17.80
Winter Wheat			0.69	1.88	5.81	7.81	1.69						17.87
St Dev			0.17	0.43	1.09	0.68	1.24						0.43
Net Irr			0.36	1.49	5.23	7.55	1.48						16.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WENDOVER AP AWOS

Aridity Index: 51%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.72, Long: -114.04, Elev: 4237 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.11	1.83	3.88	7.30	6.40	1.35				20.86
St Dev				0.13	0.26	0.53	0.59	0.38	0.50				0.97
Net Irr					1.25	3.62	7.10	6.12	1.05				19.13
Turfgrass			0.08	2.29	3.99	5.09	5.84	5.23	3.54	1.80	0.16		28.03
St Dev			0.14	0.40	0.35	0.37	0.29	0.25	0.22	0.34	0.25		1.62
Net Irr				1.91	3.41	4.82	5.64	4.95	3.24	1.42			25.39
Open Water Deep	0.65	0.78	1.61	2.48	3.12	4.13	5.85	5.93	3.61	2.43	1.27	0.73	32.58
St Dev	0.14	0.14	0.21	0.38	0.39	0.49	0.48	0.39	0.28	0.23	0.17	0.12	1.69
Net Evap	0.39	0.57	1.27	2.09	2.54	3.86	5.64	5.65	3.31	2.05	1.06	0.57	29.01
Open Water Shallow	0.67	1.21	2.59	3.94	5.33	6.13	6.75	6.13	4.31	2.61	1.16	0.65	41.48
St Dev	0.13	0.17	0.22	0.36	0.39	0.37	0.30	0.25	0.23	0.19	0.14	0.11	1.49
Net Evap	0.40	1.00	2.26	3.56	4.75	5.87	6.55	5.85	4.01	2.23	0.95	0.49	37.91
Wetlands Large					0.65	5.74	10.09	9.15	6.14	2.68	0.07		34.53
St Dev					0.39	1.03	0.57	0.44	0.52	0.85	0.19		2.35
Net ET					0.07	5.48	9.89	8.88	5.84	2.30			32.45
Wetlands Narrow					0.78	7.93	14.42	13.08	8.77	3.83	0.10		48.90
St Dev					0.49	1.51	0.81	0.63	0.74	1.21	0.28		3.35
Net ET					0.20	7.67	14.21	12.80	8.47	3.45			46.80
ETr	0.68	1.31	3.34	5.25	7.04	8.48	9.74	8.72	5.90	3.34	1.45	0.74	55.99
St Dev	0.18	0.24	0.35	0.59	0.60	0.61	0.49	0.42	0.37	0.30	0.23	0.18	2.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WOODRUFF

Aridity Index: 11%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 41.52, Long: -111.15, Elev: 6315 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	15.37	18.33	30.22	39.57	48.12	56.46	63.24	61.32	52.18	41.58	28.14	17.59	39.35
St Dev	6.17	6.19	4.50	3.14	2.03	2.36	2.38	2.21	2.23	1.99	4.15	5.18	1.65
Precip (in)	0.54	0.53	0.61	0.90	1.18	0.96	0.72	0.83	1.17	1.09	0.69	0.49	9.72
St Dev	0.45	0.36	0.39	0.63	0.64	0.94	0.65	0.70	1.05	0.72	0.38	0.33	2.69
Aridity Adj. (F)	0.22	0.21	0.30	0.41	0.61	0.75	0.63	0.62	0.63	0.57	0.40	0.26	0.47
Est. Dewpoint (F)	9.42	11.44	18.00	20.48	27.11	33.14	36.07	33.95	27.36	21.29	15.44	9.65	21.95
Rs (langley/day)	180	305	385	478	579	635	641	557	437	311	203	168	407
Wind (mpd)	84	80	106	127	124	113	106	113	108	94	107	88	104
Calc. Wind Limit (mpd)	96	96	102	113	109	96	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)					2.76	6.47	6.04	3.81	0.25				19.33
St Dev					0.41	0.72	1.08	1.99	0.53				3.18
Net Irr					1.82	5.70	5.46	3.15					16.13
Alfalfa (Dairy)					2.76	6.10	6.19	3.05	0.22				18.31
St Dev					0.41	0.51	0.98	2.07	0.49				2.99
Net Irr					1.82	5.33	5.61	2.38					15.14
Other Hay					3.01	7.12	7.79	3.07	0.56	0.01			21.57
St Dev					0.41	0.73	0.51	0.50	0.56	0.03			1.65
Net Irr					2.07	6.36	7.22	2.40					18.05
Pasture					1.89	4.63	5.73	4.63	0.94	0.01			17.84
St Dev					0.22	0.46	0.38	0.92	1.04	0.04			1.97
Net Irr					0.94	3.87	5.16	3.97					13.94
Spring Grain					1.10	4.20	8.43	5.06	0.26				19.05
St Dev					0.19	0.82	0.79	2.54	0.52				3.24
Net Irr					0.15	3.44	7.85	4.40					15.84

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WOODRUFF

Aridity Index: 11%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 41.52, Long: -111.15, Elev: 6315 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.42	3.22	4.83	0.21				9.68
St Dev						0.15	0.22	0.54	0.41				0.97
Net Irr						0.65	2.65	4.17					7.46
Turfgrass					2.16	3.85	5.06	4.25	1.00	0.01			16.33
St Dev					0.24	0.38	0.34	0.75	1.03	0.06			1.77
Net Irr					1.22	3.08	4.48	3.59	0.06				12.43
Open Water Deep	0.38	0.31	0.72	1.38	1.97	2.38	3.42	3.60	2.45	1.95	1.07	0.52	20.16
St Dev	0.08	0.07	0.18	0.26	0.23	0.32	0.34	0.27	0.24	0.22	0.23	0.11	1.36
Net Evap			0.24	0.66	1.02	1.61	2.84	2.94	1.51	1.08	0.52	0.12	12.55
Open Water Shallow	0.45	0.86	1.97	3.11	4.28	4.90	5.60	4.97	3.48	2.16	0.94	0.48	33.20
St Dev	0.07	0.13	0.27	0.36	0.30	0.37	0.28	0.21	0.22	0.20	0.17	0.08	1.46
Net Evap	0.02	0.43	1.48	2.39	3.34	4.13	5.02	4.31	2.54	1.29	0.39	0.08	25.42
Wetlands Large						1.02	6.22	5.78	0.49				13.51
St Dev						0.46	0.99	2.50	1.02				3.06
Net ET						0.25	5.64	5.12					11.01
Wetlands Narrow						1.26	8.66	8.26	0.70				18.88
St Dev						0.60	1.47	3.57	1.45				4.38
Net ET						0.49	8.08	7.59					16.17
ETr	0.54	0.87	2.34	4.24	5.93	7.02	8.43	7.62	5.46	3.54	1.49	0.66	48.15
St Dev	0.14	0.19	0.43	0.65	0.57	0.70	0.56	0.44	0.51	0.48	0.40	0.18	2.87

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ZION NP

Aridity Index: 60%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.21, Long: -112.98, Elev: 4050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	41.00	45.52	51.36	58.35	67.99	78.32	84.40	82.27	75.01	63.48	49.65	41.30	61.55
St Dev	3.77	3.22	3.83	3.67	3.24	2.74	2.10	1.72	2.29	3.60	3.55	3.17	1.25
Precip (in)	1.87	1.98	2.18	1.23	0.80	0.39	1.23	1.46	0.98	1.23	1.35	1.26	15.96
St Dev	1.96	1.67	1.90	1.03	0.74	0.69	1.07	0.89	1.04	1.10	1.08	0.98	4.75
Aridity Adj. (F)	1.20	1.14	1.62	2.22	3.30	4.08	3.42	3.36	3.42	3.12	2.16	1.44	2.54
Est. Dewpoint (F)	29.22	30.02	29.15	30.47	35.50	40.66	50.26	50.78	43.88	38.91	30.17	28.51	36.46
Rs (langley/day)	242	302	425	541	599	644	578	570	492	361	249	212	434
Wind (mpd)	77	75	110	117	110	105	90	95	83	83	83	69	91
Calc. Wind Limit (mpd)	96	96	96	113	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)			0.42	4.35	6.13	7.85	7.21	6.49	5.19	1.74	0.03		39.41
St Dev			0.32	0.88	0.39	0.75	0.76	0.33	0.68	1.30	0.11		2.58
Net Irr				3.36	5.49	7.53	6.23	5.33	4.41	0.75			33.10
Alfalfa (Dairy)			0.42	4.35	5.79	6.73	6.84	6.35	4.62	1.66	0.03		36.78
St Dev			0.32	0.88	0.42	0.34	0.30	0.29	0.55	1.10	0.11		2.40
Net Irr				3.36	5.15	6.42	5.86	5.18	3.84	0.67			30.48
Apples / Cherries				0.68	5.16	9.26	9.46	8.77	5.74	2.25	0.06		41.39
St Dev				0.12	0.42	0.49	0.40	0.39	0.46	0.82	0.10		1.98
Net Irr					4.52	8.94	8.48	7.61	4.96	1.27			35.77
Barley			0.28	2.38	6.77	8.42	1.64						19.50
St Dev			0.14	0.77	1.10	0.67	1.43						0.61
Net Irr				1.40	6.13	8.11	0.66						16.30
Corn					1.45	5.22	8.78	5.70	0.48				21.63
St Dev					0.23	1.11	0.37	0.99	0.54				0.84
Net Irr					0.80	4.91	7.79	4.54					18.04
Melon					1.68	5.41	5.91	5.49	2.97				21.46
St Dev					0.24	0.36	0.25	0.24	0.35				0.85
Net Irr					1.03	5.10	4.93	4.33	2.19				17.58
Onion					3.27	6.49	9.06	8.29	3.04				30.16
St Dev					0.28	0.33	0.39	0.36	0.29				1.12
Net Irr					2.63	6.18	8.08	7.13	2.25				26.27
Other Hay			0.43	4.76	7.74	6.27	3.42	2.32	0.55				25.48
St Dev			0.34	0.86	0.61	0.82	0.21	0.16	0.25				1.24
Net Irr				3.78	7.10	5.95	2.44	1.15					20.42
Other Orchard				0.67	4.88	8.65	8.73	8.09	5.18	2.15	0.06		38.40
St Dev				0.12	0.40	0.46	0.37	0.36	0.42	0.80	0.10		1.86
Net Irr					4.23	8.33	7.75	6.93	4.40	1.16			32.80
Pasture			0.52	3.38	5.09	6.16	6.18	5.74	4.10	1.76	0.12		33.05
St Dev			0.19	0.45	0.40	0.33	0.26	0.25	0.42	0.76	0.25		2.10
Net Irr				2.39	4.45	5.85	5.20	4.58	3.32	0.77			26.56
Potato					1.63	5.53	6.90	4.53	0.29				18.88
St Dev					0.30	0.80	0.26	0.86	0.39				0.63
Net Irr					0.99	5.22	5.91	3.37					15.49
Spring Grain			0.28	2.27	6.57	8.84	2.62						20.58
St Dev			0.14	0.72	1.14	0.46	1.66						0.59
Net Irr				1.28	5.92	8.53	1.64						17.38

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ZION NP

Aridity Index: 60%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.21, Long: -112.98, Elev: 4050 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.80	3.83	6.58	6.49	1.81				20.50
St Dev					0.15	0.20	0.28	0.28	0.14				0.75
Net Irr					1.15	3.52	5.60	5.32	1.03				16.62
Turfgrass			0.74	2.89	4.45	5.44	5.46	5.07	3.76	1.88	0.13		29.82
St Dev			0.26	0.33	0.36	0.29	0.23	0.22	0.32	0.70	0.26		1.81
Net Irr				1.91	3.81	5.12	4.47	3.91	2.98	0.89			23.09
Open Water Deep	0.81	0.91	1.60	2.44	3.17	4.60	5.02	5.12	3.48	2.65	1.64	0.77	32.22
St Dev	0.19	0.17	0.32	0.36	0.39	0.41	0.35	0.31	0.28	0.35	0.26	0.13	1.81
Net Evap				1.46	2.53	4.28	4.04	3.96	2.70	1.66	0.56		21.19
Open Water Shallow	1.07	1.59	3.02	4.25	5.26	5.96	5.99	5.87	4.63	3.02	1.57	0.94	43.17
St Dev	0.20	0.21	0.37	0.36	0.34	0.26	0.21	0.21	0.24	0.26	0.18	0.12	1.53
Net Evap		0.01	1.28	3.27	4.62	5.65	5.01	4.71	3.85	2.03	0.48		30.90
Wetlands Large					1.78	7.61	9.53	8.87	6.50	2.54	0.06		36.90
St Dev					0.75	1.07	0.42	0.39	0.70	1.51	0.21		3.21
Net ET					1.14	7.30	8.55	7.71	5.72	1.56			31.97
Wetlands Narrow					2.27	10.72	13.62	12.68	9.29	3.63	0.08		52.29
St Dev					1.01	1.59	0.60	0.56	1.01	2.16	0.31		4.58
Net ET					1.63	10.40	12.64	11.51	8.51	2.65			47.33
ETr	1.15	1.87	3.91	5.87	7.49	9.06	9.09	8.45	6.32	4.08	2.17	1.07	60.55
St Dev	0.34	0.33	0.61	0.61	0.59	0.48	0.39	0.37	0.39	0.43	0.31	0.21	2.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEAVER DAM

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.9, Long: -113.94, Elev: 1875 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	45.89	50.52	56.78	63.62	73.52	83.01	89.07	87.50	79.80	67.51	53.96	45.51	66.39
St Dev	3.40	2.52	3.91	3.67	3.79	3.21	2.75	2.59	2.58	3.05	3.10	3.08	1.59
Precip (in)	0.90	0.98	1.05	0.44	0.31	0.18	0.50	0.58	0.48	0.73	0.63	0.62	7.42
St Dev	0.76	0.91	0.97	0.46	0.46	0.28	0.62	0.51	0.57	0.70	0.55	0.67	2.51
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	28.60	29.49	29.11	29.88	33.54	37.68	47.89	49.08	41.46	36.61	29.93	27.88	35.10
Rs (langley/day)	229	300	448	580	663	708	643	578	482	354	246	196	452
Wind (mpd)	48	51	70	78	78	73	67	64	57	54	52	44	61
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			2.12	6.00	8.11	7.88	8.07	7.82	5.59	3.20	1.14	0.05	49.96
St Dev			0.65	0.41	0.79	0.57	0.66	0.64	0.53	0.72	0.86	0.22	1.99
Net Irr			1.28	5.64	7.86	7.74	7.67	7.35	5.21	2.61	0.63		45.99
Alfalfa (Dairy)			2.12	5.57	6.98	7.71	7.77	6.89	5.17	3.32	0.95	0.04	46.51
St Dev			0.65	0.34	0.40	0.39	0.32	0.29	0.25	0.61	0.83	0.15	1.85
Net Irr			1.28	5.21	6.73	7.57	7.37	6.42	4.79	2.73	0.44		42.54
Barley			1.27	6.16	8.72	1.80	0.01						17.95
St Dev			0.46	1.02	0.65	1.67	0.06						0.96
Net Irr			0.42	5.80	8.47	1.65							16.35
Corn				0.99	4.96	9.85	6.24	0.26					22.31
St Dev				0.26	1.18	0.64	1.86	0.50					1.26
Net Irr				0.63	4.72	9.71	5.84						20.90
Melon				0.98	4.76	6.69	6.69	5.53	0.26				24.90
St Dev				0.30	0.62	0.30	0.28	0.48	0.40				0.79
Net Irr				0.62	4.51	6.55	6.29	5.06					23.03
Onion			0.07	3.23	6.81	10.25	10.05	4.23					34.65
St Dev			0.12	0.49	0.80	0.48	0.46	1.10					1.05
Net Irr				2.88	6.56	10.10	9.65	3.77					32.97
Other Hay			2.00	7.09	9.07	5.00	3.45	2.00	0.05				28.66
St Dev			0.58	0.57	0.55	0.44	0.18	0.21	0.08				1.08
Net Irr			1.16	6.73	8.82	4.86	3.05	1.54					26.16
Other Orchard			1.02	5.24	8.93	9.88	9.78	7.23	4.42	0.17			46.66
St Dev			0.38	0.58	0.53	0.44	0.41	0.38	0.37	0.28			1.39
Net Irr			0.18	4.89	8.68	9.73	9.38	6.76	4.03				43.65
Pasture			1.84	4.80	6.34	7.00	7.00	6.20	4.60	2.97	1.22	0.01	41.97
St Dev			0.43	0.36	0.37	0.31	0.29	0.26	0.21	0.27	0.39	0.04	1.36
Net Irr			0.99	4.44	6.09	6.85	6.60	5.73	4.22	2.39	0.72		38.03
Potato				1.44	5.81	7.67	3.69	0.03					18.65
St Dev				0.44	0.98	0.36	1.59	0.20					0.81
Net Irr				1.09	5.56	7.53	3.29						17.46
Sorghum				1.20	4.83	9.01	9.26	4.20					28.51
St Dev				0.29	0.77	0.49	0.38	1.16					0.86
Net Irr				0.85	4.58	8.87	8.86	3.74					26.89
Spring Grain			1.21	5.96	9.10	2.84	0.03						19.15
St Dev			0.44	1.04	0.49	1.89	0.15						0.95
Net Irr			0.37	5.60	8.86	2.70							17.54

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEAVER DAM

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.9, Long: -113.94, Elev: 1875 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden			0.05	1.77	4.02	7.54	7.82	2.51					23.71
St Dev			0.08	0.28	0.47	0.55	0.49	0.74					0.71
Net Irr				1.42	3.78	7.40	7.42	2.04					22.05
Turfgrass Dixie			2.25	3.87	6.02	6.69	6.69	5.92	4.41	3.02	1.53	0.20	40.61
St Dev			0.41	0.31	0.35	0.30	0.28	0.24	0.21	0.22	0.47	0.31	1.45
Net Irr			1.41	3.52	5.78	6.55	6.29	5.46	4.03	2.43	1.03		36.48
Open Water Deep	1.34	1.49	2.55	3.33	4.74	5.81	6.38	6.13	4.21	3.14	1.97	1.20	42.29
St Dev	0.18	0.16	0.39	0.41	0.56	0.53	0.46	0.37	0.32	0.32	0.23	0.15	2.12
Net Evap	0.62	0.70	1.71	2.97	4.49	5.67	5.98	5.67	3.83	2.55	1.46	0.70	36.36
Open Water Shallow	1.63	2.19	3.93	5.20	6.46	6.89	6.99	6.51	5.10	3.51	2.03	1.41	51.85
St Dev	0.17	0.19	0.37	0.32	0.33	0.25	0.24	0.22	0.22	0.22	0.16	0.14	1.21
Net Evap	0.91	1.40	3.09	4.85	6.21	6.75	6.59	6.04	4.72	2.92	1.53	0.91	45.91
Wetlands Large				0.44	5.77	10.59	10.80	9.57	7.13	4.65	1.52	0.09	50.58
St Dev				0.30	0.96	0.59	0.45	0.40	0.34	0.79	1.13	0.32	2.60
Net ET				0.09	5.53	10.45	10.40	9.10	6.75	4.07	1.01		47.40
Wetlands Narrow				0.52	7.91	15.13	15.44	13.67	10.19	6.65	2.17	0.13	71.79
St Dev				0.36	1.41	0.85	0.64	0.56	0.48	1.13	1.61	0.46	3.71
Net ET				0.16	7.66	14.98	15.03	13.20	9.81	6.06	1.66		68.58
ETr	2.06	2.79	5.32	7.26	9.32	10.29	10.29	9.11	6.79	4.67	2.75	1.80	72.45
St Dev	0.24	0.27	0.55	0.52	0.54	0.46	0.43	0.38	0.32	0.32	0.24	0.20	2.00

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BETATAKIN

Aridity Index: 44%, Temp. Adj. (F): -11, Period: 1971-2008, Lat: 36.68, Long: -110.54, Elev: 7286 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.96	33.67	39.82	47.26	56.86	67.46	71.94	69.82	62.95	51.62	39.01	30.88	50.10
St Dev	4.58	3.09	3.68	3.50	3.16	2.83	2.80	1.81	2.31	3.35	3.83	3.22	1.34
Precip (in)	1.14	1.07	1.02	0.76	0.50	0.28	1.28	1.59	1.33	1.37	1.12	1.13	12.60
St Dev	1.00	0.82	0.82	0.73	0.67	0.40	1.05	1.12	0.97	1.63	0.98	0.98	3.87
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	22.31	21.80	21.77	24.36	32.27	38.80	46.97	48.10	41.98	33.70	25.63	21.80	31.62
Rs (langley/day)	240	331	458	529	623	669	588	578	464	374	260	206	443
Wind (mpd)	72	97	117	141	139	127	110	105	104	96	87	78	106
Calc. Wind Limit (mpd)	96	106	132	132	132	132	105	101	105	111	101	96	113
.....Inches.....													
Alfalfa (Beef)					2.49	6.32	4.98	4.06	2.51	0.11			20.48
St Dev					0.36	0.42	0.71	0.90	1.10	0.23			2.26
Net Irr					2.09	6.10	3.95	2.79	1.45				16.38
Alfalfa (Dairy)					2.49	5.97	4.89	3.96	1.83	0.14			19.29
St Dev					0.36	0.38	0.57	0.93	1.00	0.31			2.08
Net Irr					2.09	5.75	3.86	2.69	0.77				15.16
Other Hay					2.68	7.05	6.10	2.44	1.17	0.16			19.60
St Dev					0.30	0.45	0.32	0.16	0.21	0.17			0.82
Net Irr					2.28	6.83	5.08	1.17	0.10				15.45
Pasture					1.63	4.57	4.44	3.81	2.27	0.35	0.01		17.08
St Dev					0.18	0.29	0.23	0.25	0.54	0.43	0.03		0.93
Net Irr					1.23	4.35	3.42	2.54	1.20				12.74
Sorghum						1.79	4.31	5.03	2.71	0.15			13.99
St Dev						0.14	0.26	0.32	0.94	0.25			1.16
Net Irr						1.57	3.28	3.76	1.64				10.25
Spring Grain					0.97	4.15	6.54	5.04	1.41	0.04			18.15
St Dev					0.19	0.86	0.56	1.17	0.72	0.12			1.68
Net Irr					0.57	3.92	5.51	3.77	0.35				14.12
Winter Wheat				0.53	1.53	4.12	6.48	4.06	0.61	0.01			17.34
St Dev				0.07	0.25	1.04	0.57	1.30	0.45	0.05			1.36
Net Irr					1.13	3.90	5.45	2.78					13.26

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BETATAKIN

Aridity Index: 44%, Temp. Adj. (F): -11, Period: 1971-2008, Lat: 36.68, Long: -110.54, Elev: 7286 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.72	2.75	4.07	1.75	0.03			10.32
St Dev						0.11	0.15	0.28	0.87	0.10			1.06
Net Irr						1.49	1.73	2.79	0.68				6.70
Turfgrass					1.90	3.78	3.92	3.37	2.16	0.39	0.01		15.53
St Dev					0.20	0.24	0.20	0.22	0.43	0.45	0.04		0.82
Net Irr					1.50	3.56	2.89	2.10	1.09				11.14
Open Water Deep	0.15	0.35	0.70	1.15	1.70	2.67	2.19	1.88	1.41	1.17	0.60	0.24	14.22
St Dev	0.08	0.11	0.16	0.19	0.25	0.27	0.20	0.20	0.17	0.18	0.13	0.07	0.93
Net Evap				0.54	1.30	2.44	1.16	0.61	0.35	0.07			6.48
Open Water Shallow	0.61	1.15	2.37	3.25	4.43	5.22	4.96	4.70	3.43	2.26	1.02	0.52	33.91
St Dev	0.14	0.19	0.30	0.30	0.32	0.26	0.19	0.23	0.20	0.22	0.16	0.10	1.20
Net Evap		0.29	1.55	2.64	4.03	4.99	3.93	3.43	2.36	1.16	0.13		24.52
Wetlands Large						2.25	5.82	5.59	3.01	0.27			16.94
St Dev						0.58	0.67	1.23	1.28	0.57			2.92
Net ET						2.02	4.80	4.31	1.95				13.08
Wetlands Narrow						2.91	8.24	7.98	4.31	0.39			23.82
St Dev						0.78	0.98	1.76	1.83	0.81			4.17
Net ET						2.69	7.22	6.71	3.24				19.85
ETr	0.29	0.92	2.43	3.84	5.42	6.97	6.53	5.62	3.98	2.36	0.90	0.28	39.53
St Dev	0.17	0.26	0.41	0.45	0.52	0.45	0.33	0.37	0.32	0.32	0.21	0.14	1.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BRIGHT ANGEL RS

Aridity Index: 74%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.21, Long: -112.06, Elev: 8000 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.99	28.77	33.29	39.87	48.52	57.71	62.67	60.65	54.29	44.14	34.70	27.91	43.29
St Dev	3.35	2.77	3.53	3.42	3.52	2.90	2.35	1.84	1.95	2.93	3.67	2.95	1.36
Precip (in)	3.63	3.14	3.18	1.47	0.79	0.43	1.90	2.39	1.79	1.97	1.70	2.27	24.67
St Dev	3.39	2.38	2.70	1.15	0.69	0.54	1.21	1.48	1.78	1.62	1.46	2.05	8.01
Aridity Adj. (F)	1.48	1.41	2.00	2.74	4.07	5.03	4.22	4.14	4.22	3.85	2.66	1.78	3.13
Est. Dewpoint (F)	14.92	13.23	11.30	12.45	14.89	18.92	27.70	28.67	22.62	19.33	16.01	14.71	17.90
Rs (langley/day)	247	336	466	552	649	702	605	598	482	389	267	218	459
Wind (mpd)	94	99	104	122	116	116	89	80	89	92	91	89	98
Calc. Wind Limit (mpd)	96	96	96	102	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)					0.95	5.41	6.09	3.08	0.41				15.94
St Dev					0.15	0.60	0.54	2.15	0.62				2.96
Net Irr					0.32	5.06	4.57	1.17					11.12
Alfalfa (Dairy)					0.95	5.41	5.46	2.83	0.45				15.10
St Dev					0.15	0.60	0.54	1.78	0.74				2.82
Net Irr					0.32	5.06	3.94	0.92					10.24
Apples / Cherries						1.67	5.51	6.05	2.15	0.10			15.48
St Dev						0.13	0.35	1.00	1.58	0.44			2.54
Net Irr						1.32	3.99	4.13	0.72				10.17
Barley					0.42	2.45	5.86	5.29	0.79				14.81
St Dev					0.06	0.62	0.92	1.45	1.00				2.91
Net Irr						2.11	4.34	3.38					9.83
Other Hay					1.00	6.29	7.29	3.69	0.78	0.03			19.07
St Dev					0.15	0.44	0.47	0.45	0.56	0.12			1.28
Net Irr					0.37	5.94	5.77	1.77					13.85
Other Orchard						1.55	5.27	5.60	1.99	0.09			14.50
St Dev						0.12	0.34	0.92	1.46	0.40			2.35
Net Irr						1.21	3.75	3.69	0.56				9.20
Pasture					0.63	3.98	4.81	3.80	1.17	0.05			14.44
St Dev					0.09	0.28	0.31	0.90	0.98	0.23			1.89
Net Irr						3.63	3.29	1.89					8.81
Potato						0.61	2.47	4.35	3.78	2.53	1.37	0.84	15.95
St Dev						0.05	0.28	0.27	0.23	0.30	0.20	0.15	0.74
Net Irr						0.27	0.95	2.43	2.35	0.95			6.96
Spring Grain					0.42	2.34	5.60	5.48	0.85				14.69
St Dev					0.06	0.58	0.94	1.23	1.04				2.72
Net Irr						2.00	4.08	3.57					9.65

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BRIGHT ANGEL RS

Aridity Index: 74%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.21, Long: -112.06, Elev: 8000 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						0.77	2.18	3.51	1.19				7.64
St Dev						0.06	0.14	0.21	0.35				0.46
Net Irr						0.42	0.66	1.59					2.67
Turfgrass					0.94	3.45	4.19	3.42	1.20	0.06			13.25
St Dev					0.13	0.25	0.27	0.75	0.93	0.25			1.71
Net Irr					0.31	3.11	2.66	1.51					7.59
Open Water Deep	0.71	0.74	0.92	1.23	1.81	2.52	2.68	2.35	2.04	1.66	1.13	0.73	18.52
St Dev	0.14	0.12	0.17	0.19	0.27	0.28	0.25	0.18	0.16	0.22	0.18	0.11	1.07
Net Evap				0.05	1.17	2.17	1.16	0.44	0.61	0.09			5.70
Open Water Shallow	0.96	1.39	2.50	3.33	4.47	5.14	5.02	4.81	3.63	2.50	1.34	0.87	35.95
St Dev	0.15	0.19	0.32	0.34	0.40	0.30	0.26	0.24	0.20	0.25	0.16	0.11	1.30
Net Evap				2.15	3.84	4.79	3.50	2.89	2.20	0.92			20.29
Wetlands Large						0.62	4.71	5.08	0.84				11.26
St Dev						0.06	0.31	1.71	1.11				2.70
Net ET						0.28	3.19	3.16					6.64
Wetlands Narrow						0.74	6.51	7.25	1.21				15.70
St Dev						0.07	0.43	2.44	1.58				3.85
Net ET						0.39	4.99	5.34					10.71
ETr	1.07	1.57	2.87	4.06	5.76	7.11	7.07	6.21	4.80	3.17	1.71	1.05	46.44
St Dev	0.24	0.28	0.43	0.49	0.62	0.51	0.45	0.36	0.32	0.38	0.25	0.19	2.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CANYON DE CHELLY

Aridity Index: 71%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.15, Long: -109.54, Elev: 5610 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.81	37.56	44.92	52.30	61.12	70.46	76.06	74.07	66.10	54.04	41.51	32.14	53.51
St Dev	4.39	2.86	2.97	3.26	3.23	2.92	2.38	1.95	2.15	2.46	2.56	3.46	1.64
Precip (in)	0.80	0.69	0.66	0.56	0.50	0.30	1.09	1.29	0.90	0.99	0.74	0.75	9.29
St Dev	1.00	0.64	0.62	0.72	0.58	0.47	0.93	0.98	0.64	0.90	0.63	0.69	3.09
Aridity Adj. (F)	1.42	1.35	1.92	2.63	3.91	4.83	4.05	3.98	4.05	3.69	2.56	1.70	3.01
Est. Dewpoint (F)	18.05	19.63	20.90	23.86	30.23	33.88	45.81	47.78	38.89	29.04	21.96	17.27	28.94
Rs (langley/day)	250	335	445	553	650	712	657	576	504	384	273	230	464
Wind (mpd)	106	126	150	162	144	133	112	104	108	107	102	105	122
Calc. Wind Limit (mpd)	96	96	119	132	129	123	96	96	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)				1.57	6.77	7.35	7.31	6.30	2.87	0.23			32.38
St Dev				0.21	0.80	0.34	0.58	0.60	1.11	0.41			1.96
Net Irr				1.12	6.36	7.11	6.43	5.27	2.15				28.44
Alfalfa (Dairy)				1.57	6.66	7.32	6.54	5.46	2.93	0.23			30.70
St Dev				0.21	0.67	0.42	0.36	0.29	1.13	0.49			1.88
Net Irr				1.12	6.25	7.08	5.66	4.43	2.21				26.75
Apples / Cherries					2.10	7.76	9.08	7.67	5.40	1.10			33.12
St Dev					0.22	0.36	0.51	0.36	1.24	1.24			2.48
Net Irr					1.70	7.52	8.21	6.64	4.68	0.30			29.06
Other Hay				1.63	7.42	9.64	4.83	2.56	1.29	0.06			27.43
St Dev				0.19	0.64	0.49	0.28	0.12	0.28	0.05			1.27
Net Irr				1.18	7.02	9.40	3.95	1.53	0.58				23.66
Other Orchard					1.95	7.45	8.40	7.08	4.97	0.99			30.84
St Dev					0.20	0.35	0.47	0.33	1.14	1.12			2.26
Net Irr					1.55	7.21	7.52	6.05	4.25	0.19			26.78
Pasture				1.00	4.75	6.50	5.95	4.99	3.26	0.64			27.08
St Dev				0.11	0.41	0.32	0.34	0.23	0.91	0.80			1.91
Net Irr				0.55	4.34	6.26	5.07	3.96	2.54				22.73
Sorghum					0.30	3.00	6.54	6.64	4.16				20.64
St Dev					0.05	0.14	0.38	0.31	1.28				1.36
Net Irr						2.76	5.67	5.61	3.44				17.48
Spring Grain				0.63	3.77	9.22	7.94	1.53					23.09
St Dev				0.08	0.79	0.85	0.83	1.14					0.73
Net Irr				0.18	3.36	8.98	7.06	0.50					20.09
Winter Wheat			0.39	1.68	4.37	9.35	5.85	0.49					22.14
St Dev			0.08	0.25	1.27	0.88	1.86	0.60					0.67
Net Irr				1.24	3.97	9.11	4.98						19.29

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CANYON DE CHELLY

Aridity Index: 71%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.15, Long: -109.54, Elev: 5610 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.30	2.62	4.16	5.66	2.59	0.02			15.36
St Dev					0.05	0.13	0.24	0.40	1.12	0.09			1.30
Net Irr						2.38	3.29	4.63	1.87				12.17
Turfgrass				1.38	3.98	5.72	5.25	4.43	3.15	0.73			24.64
St Dev				0.15	0.34	0.28	0.30	0.21	0.74	0.86			1.69
Net Irr				0.94	3.57	5.48	4.37	3.40	2.44				20.19
Open Water Deep	0.96	1.14	1.88	2.55	3.42	4.68	3.86	3.57	2.80	2.42	1.57	1.01	29.84
St Dev	0.23	0.18	0.29	0.32	0.42	0.43	0.34	0.23	0.22	0.26	0.22	0.19	1.70
Net Evap	0.32	0.58	1.35	2.10	3.01	4.44	2.98	2.54	2.08	1.62	0.98	0.41	22.41
Open Water Shallow	1.09	1.69	3.07	4.18	5.39	6.14	6.07	5.37	4.28	2.88	1.56	1.01	42.72
St Dev	0.22	0.21	0.31	0.31	0.34	0.24	0.26	0.19	0.20	0.23	0.18	0.18	1.25
Net Evap	0.44	1.14	2.54	3.73	4.98	5.90	5.19	4.34	3.56	2.09	0.96	0.41	35.29
Wetlands Large					0.01	4.67	8.65	7.75	4.86	0.40			26.34
St Dev					0.03	0.22	0.50	0.36	1.50	0.70			2.14
Net ET						4.43	7.77	6.72	4.15				23.06
Wetlands Narrow					0.01	6.18	12.34	11.07	6.95	0.57			37.12
St Dev					0.03	0.29	0.71	0.52	2.14	0.99			3.05
Net ET						5.94	11.46	10.04	6.23				33.67
ETr	1.41	2.22	4.31	6.06	7.89	9.55	8.75	7.38	5.90	4.14	2.28	1.40	61.28
St Dev	0.44	0.41	0.59	0.57	0.67	0.47	0.49	0.34	0.36	0.48	0.38	0.38	2.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COLORADO CITY

Aridity Index: 96%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 36.98, Long: -112.97, Elev: 5010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	35.96	40.18	45.58	52.42	61.41	71.35	77.20	75.33	68.22	56.92	44.35	36.27	55.43
St Dev	3.57	2.98	3.41	3.32	2.96	2.52	2.17	1.77	2.26	2.87	2.82	3.31	1.16
Precip (in)	1.41	1.62	1.66	1.00	0.62	0.39	1.24	1.62	1.13	1.14	1.12	0.98	13.93
St Dev	1.39	1.34	1.42	0.94	0.64	0.44	1.21	1.02	1.53	1.21	0.84	0.76	4.73
Aridity Adj. (F)	1.92	1.82	2.59	3.55	5.28	6.53	5.47	5.38	5.47	4.99	3.46	2.30	4.06
Est. Dewpoint (F)	20.77	21.90	20.81	21.59	24.34	28.50	38.27	39.34	32.62	28.33	21.97	20.29	26.56
Rs (langley/day)	249	318	414	529	646	697	638	569	474	372	267	221	450
Wind (mpd)	66	65	98	100	101	95	84	87	73	72	73	57	81
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			0.35	3.89	6.82	7.74	6.98	6.73	4.86	1.17	0.02		38.57
St Dev			0.35	0.72	0.47	1.00	0.36	0.53	0.87	0.92	0.09		2.21
Net Irr				3.09	6.32	7.43	5.99	5.44	3.96	0.26			32.50
Alfalfa (Dairy)			0.35	3.89	6.27	6.94	6.98	6.24	4.29	1.19	0.02		36.16
St Dev			0.35	0.72	0.48	0.36	0.38	0.29	0.70	0.97	0.09		2.06
Net Irr				3.09	5.78	6.63	5.98	4.94	3.39	0.28			30.08
Apples / Cherries				0.02	4.56	9.02	9.61	8.61	5.69	2.15	0.11		39.77
St Dev				0.04	0.37	0.49	0.47	0.37	0.44	0.97	0.21		1.84
Net Irr					4.07	8.71	8.61	7.31	4.79	1.24			34.73
Barley			0.26	1.92	6.25	9.31	4.33	0.03					22.10
St Dev			0.16	0.57	1.15	0.47	1.86	0.11					0.73
Net Irr				1.12	5.75	9.00	3.34						19.21
Corn					1.21	3.82	8.53	7.41	3.19	0.29			24.44
St Dev					0.14	0.82	0.69	0.35	1.08	0.33			0.91
Net Irr					0.71	3.51	7.53	6.11	2.28				20.15
Melon					1.31	5.10	6.00	5.38	3.02				20.81
St Dev					0.15	0.32	0.29	0.23	0.68				0.89
Net Irr					0.81	4.79	5.01	4.09	2.11				16.81
Onion					2.81	5.89	9.10	8.19	3.29				29.29
St Dev					0.26	0.31	0.44	0.34	0.84				1.27
Net Irr					2.31	5.59	8.11	6.90	2.38				25.29
Other Hay			0.36	4.42	8.00	6.59	3.53	2.31	0.59				25.80
St Dev			0.37	0.80	0.62	0.88	0.26	0.17	0.26				1.10
Net Irr				3.62	7.50	6.29	2.53	1.02					20.96
Other Orchard				0.02	4.30	8.50	8.87	7.95	5.18	1.98	0.11		36.90
St Dev				0.04	0.35	0.47	0.43	0.34	0.40	0.92	0.21		1.72
Net Irr					3.80	8.19	7.87	6.65	4.27	1.07			31.86
Pasture			0.56	3.25	5.26	6.23	6.28	5.62	3.83	1.55	0.09		32.68
St Dev			0.25	0.43	0.41	0.34	0.31	0.24	0.41	0.85	0.22		1.85
Net Irr				2.45	4.76	5.92	5.29	4.33	2.93	0.64			26.31
Potato					1.24	4.35	7.08	5.79	2.68	0.24			21.38
St Dev					0.16	0.78	0.37	0.23	0.96	0.35			0.81
Net Irr					0.74	4.04	6.09	4.50	1.77				17.14
Spring Grain			0.26	1.84	5.98	9.36	5.59	0.21					23.24
St Dev			0.16	0.53	1.17	0.53	1.70	0.33					0.72
Net Irr				1.04	5.49	9.05	4.59						20.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COLORADO CITY

Aridity Index: 96%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 36.98, Long: -112.97, Elev: 5010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.53	3.50	6.24	6.62	2.14				20.03
St Dev					0.14	0.19	0.30	0.28	0.35				0.72
Net Irr					1.03	3.19	5.25	5.32	1.24				16.03
Turfgrass			0.80	2.79	4.60	5.49	5.54	4.97	3.55	1.68	0.11		29.53
St Dev			0.33	0.29	0.37	0.30	0.27	0.21	0.29	0.80	0.24		1.61
Net Irr				1.99	4.10	5.19	4.55	3.67	2.64	0.77			22.91
Open Water Deep	1.01	1.04	1.89	2.30	3.33	4.51	4.82	4.90	3.15	2.46	1.67	0.88	31.96
St Dev	0.17	0.16	0.32	0.29	0.37	0.39	0.37	0.28	0.23	0.27	0.23	0.14	1.47
Net Evap			0.56	1.50	2.83	4.20	3.82	3.60	2.25	1.55	0.78	0.10	21.20
Open Water Shallow	1.30	1.78	3.06	4.11	5.46	6.11	6.21	5.70	4.35	3.03	1.73	1.14	43.97
St Dev	0.18	0.22	0.37	0.32	0.36	0.28	0.25	0.21	0.21	0.24	0.19	0.15	1.33
Net Evap	0.17	0.48	1.73	3.31	4.96	5.80	5.22	4.41	3.44	2.12	0.83	0.35	32.83
Wetlands Large					1.13	6.92	9.67	8.69	6.07	2.12	0.03		34.63
St Dev					0.33	0.74	0.48	0.37	0.77	1.54	0.15		2.46
Net ET					0.64	6.61	8.68	7.40	5.17	1.21			29.69
Wetlands Narrow					1.40	9.65	13.81	12.42	8.67	3.03	0.04		49.02
St Dev					0.43	1.09	0.68	0.53	1.11	2.20	0.21		3.52
Net ET					0.90	9.35	12.82	11.12	7.77	2.12			44.07
ETr	1.61	2.19	4.20	5.68	7.74	9.16	9.24	8.28	5.97	4.11	2.42	1.42	62.01
St Dev	0.28	0.34	0.60	0.51	0.60	0.51	0.45	0.35	0.33	0.39	0.34	0.24	2.31

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRAND CANYON NP 2

Aridity Index: 49%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.05, Long: -112.15, Elev: 6785 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.54	33.58	38.61	44.46	53.16	62.17	67.77	65.85	59.45	48.66	38.21	31.18	47.80
St Dev	3.73	2.93	3.13	3.26	3.25	2.49	2.15	1.74	2.15	3.52	3.32	3.26	1.49
Precip (in)	1.70	1.65	1.87	1.02	0.61	0.39	1.86	2.12	1.37	1.40	1.19	1.28	16.45
St Dev	1.44	1.18	1.36	0.80	0.62	0.50	1.30	1.28	1.14	1.32	1.16	0.98	4.66
Aridity Adj. (F)	0.98	0.93	1.32	1.81	2.70	3.33	2.79	2.74	2.79	2.55	1.76	1.18	2.07
Est. Dewpoint (F)	15.80	15.83	14.47	14.34	17.05	20.23	30.53	32.00	25.78	22.07	17.13	16.06	20.11
Rs (langley/day)	244	338	460	543	646	697	598	582	481	382	263	217	454
Wind (mpd)	97	102	105	123	117	117	88	79	90	94	93	92	100
Calc. Wind Limit (mpd)	96	96	96	98	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)					3.14	7.60	6.26	5.13	2.77	0.09			24.98
St Dev					0.44	0.50	0.55	0.77	1.88	0.20			2.82
Net Irr					2.66	7.29	4.78	3.43	1.67				19.82
Alfalfa (Dairy)					3.14	7.17	6.18	5.16	2.33	0.12			24.10
St Dev					0.44	0.38	0.40	0.72	1.48	0.27			2.21
Net Irr					2.66	6.86	4.69	3.46	1.24				18.91
Apples / Cherries						4.04	7.62	7.33	5.06	0.68			24.74
St Dev						0.25	0.45	0.42	1.22	1.09			2.18
Net Irr						3.73	6.13	5.64	3.96				19.47
Barley					1.28	5.30	8.28	5.90	1.01				21.76
St Dev					0.28	1.07	0.53	1.00	0.79				0.90
Net Irr					0.79	4.99	6.79	4.21					16.78
Other Hay					3.39	8.45	7.61	3.06	1.58	0.16			24.25
St Dev					0.36	0.52	0.46	0.17	0.35	0.25			1.20
Net Irr					2.90	8.14	6.13	1.37	0.49				19.02
Other Orchard						3.79	7.24	6.77	4.67	0.63			23.09
St Dev						0.23	0.43	0.38	1.13	1.00			2.02
Net Irr						3.48	5.75	5.07	3.57				17.88
Pasture					2.06	5.48	5.54	4.78	3.00	0.34			21.20
St Dev					0.22	0.34	0.33	0.27	0.87	0.60			1.55
Net Irr					1.58	5.17	4.05	3.09	1.90				15.79
Potato						1.12	3.39	5.15	3.50	0.33			13.49
St Dev						0.07	0.54	0.44	1.16	0.58			1.61
Net Irr						0.81	1.91	3.46	2.40				8.57
Spring Grain					1.24	5.01	8.20	6.47	1.67	0.01			22.60
St Dev					0.26	1.03	0.57	0.80	1.00	0.04			1.22
Net Irr					0.76	4.70	6.72	4.77	0.57				17.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRAND CANYON NP 2

Aridity Index: 49%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.05, Long: -112.15, Elev: 6785 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.39	2.86	4.52	1.77				10.54
St Dev						0.08	0.17	0.27	1.17				1.24
Net Irr						1.08	1.37	2.83	0.67				5.95
Turfgrass					2.40	4.53	4.88	4.23	2.92	0.40			19.37
St Dev					0.25	0.28	0.29	0.24	0.70	0.65			1.41
Net Irr					1.92	4.22	3.40	2.54	1.82				13.90
Open Water Deep	1.01	1.02	1.29	1.62	2.42	3.38	3.57	3.11	2.79	2.26	1.53	0.99	24.98
St Dev	0.18	0.15	0.22	0.22	0.32	0.31	0.29	0.22	0.22	0.29	0.24	0.16	1.47
Net Evap				0.80	1.94	3.07	2.09	1.42	1.69	1.14	0.58		12.72
Open Water Shallow	1.11	1.61	2.81	3.63	4.88	5.54	5.39	5.12	4.02	2.78	1.52	1.00	39.43
St Dev	0.16	0.18	0.33	0.31	0.36	0.27	0.25	0.24	0.21	0.24	0.18	0.13	1.40
Net Evap		0.30	1.32	2.81	4.40	5.23	3.91	3.43	2.92	1.66	0.57		26.54
Wetlands Large						1.45	6.38	7.29	3.93	0.30			19.35
St Dev						0.10	0.38	0.74	2.01	0.66			2.76
Net ET						1.14	4.89	5.60	2.83				14.47
Wetlands Narrow						1.81	8.93	10.41	5.61	0.42			27.18
St Dev						0.12	0.54	1.05	2.87	0.94			3.94
Net ET						1.50	7.44	8.72	4.52				22.18
ETr	1.52	2.04	3.58	4.89	6.87	8.36	8.14	7.05	5.76	3.94	2.27	1.45	55.86
St Dev	0.30	0.31	0.52	0.50	0.64	0.52	0.48	0.40	0.38	0.42	0.35	0.26	2.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LEES FERRY

Aridity Index: 93%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.86, Long: -111.6, Elev: 3210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	39.10	45.16	53.93	62.42	72.43	82.78	88.25	85.13	76.53	63.19	48.80	38.88	63.05
St Dev	3.10	2.71	3.18	3.29	2.83	2.95	1.99	1.92	1.90	2.62	2.30	3.03	1.08
Precip (in)	0.51	0.51	0.57	0.43	0.28	0.15	0.84	0.96	0.64	0.83	0.48	0.37	6.57
St Dev	0.56	0.58	0.59	0.50	0.32	0.41	0.70	0.63	0.62	0.85	0.57	0.38	2.07
Aridity Adj. (F)	1.86	1.77	2.51	3.44	5.12	6.32	5.30	5.21	5.30	4.84	3.35	2.23	3.94
Est. Dewpoint (F)	33.62	33.98	34.48	37.07	44.34	50.23	58.74	57.55	49.60	41.27	32.79	30.32	42.00
Rs (langley/day)	238	312	439	507	605	651	563	545	452	359	247	193	426
Wind (mpd)	59	70	91	111	106	102	92	86	83	74	63	57	83
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	99	96	101	96	96	109
.....Inches.....													
Alfalfa (Beef)			1.50	6.20	7.55	7.82	8.29	7.92	5.24	3.26	1.01	0.01	48.80
St Dev			0.62	0.42	0.76	0.36	0.67	0.65	0.48	0.57	0.78	0.04	2.10
Net Irr			1.04	5.85	7.32	7.70	7.62	7.15	4.73	2.59	0.63		44.65
Alfalfa (Dairy)			1.50	5.67	6.90	8.03	7.64	6.80	5.19	3.25	0.64	0.01	45.64
St Dev			0.62	0.41	0.41	0.42	0.36	0.33	0.28	0.35	0.50	0.05	1.69
Net Irr			1.04	5.32	6.68	7.90	6.97	6.03	4.68	2.59	0.26		41.49
Barley			0.85	5.47	9.02	2.72							18.05
St Dev			0.37	1.03	0.52	1.57							0.82
Net Irr			0.39	5.12	8.79	2.60							16.90
Other Hay			1.43	6.75	9.11	5.67	3.52	2.15	0.17				28.81
St Dev			0.58	0.68	0.55	0.67	0.21	0.20	0.17				1.19
Net Irr			0.98	6.40	8.89	5.55	2.85	1.38					26.05
Other Orchard			0.67	4.76	8.67	10.08	9.68	7.39	4.66	0.50			46.40
St Dev			0.36	0.67	0.57	0.49	0.45	0.43	0.32	0.47			1.63
Net Irr			0.21	4.42	8.44	9.96	9.01	6.62	4.14				42.80
Pasture			1.42	4.65	6.19	7.14	6.89	6.13	4.66	2.90	1.01	0.02	41.01
St Dev			0.43	0.42	0.38	0.34	0.32	0.30	0.25	0.29	0.33	0.04	1.54
Net Irr			0.96	4.30	5.97	7.02	6.22	5.36	4.15	2.23	0.63		36.84
Potato				1.02	5.09	7.96	4.28	0.02					18.37
St Dev				0.38	0.90	0.32	1.28	0.08					0.61
Net Irr				0.68	4.87	7.84	3.60						16.98
Spring Grain			0.82	5.23	9.20	4.00	0.01						19.26
St Dev			0.35	1.04	0.51	1.78	0.04						0.83
Net Irr			0.36	4.89	8.98	3.88							18.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LEES FERRY

Aridity Index: 93%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.86, Long: -111.6, Elev: 3210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden			0.01	1.50	3.59	7.25	7.99	3.26	0.03				23.63
St Dev			0.04	0.34	0.48	0.67	0.43	0.85	0.09				0.83
Net Irr				1.15	3.37	7.13	7.32	2.50					21.46
Turfgrass Dixie			1.85	3.75	5.83	6.83	6.58	5.86	4.47	2.92	1.24	0.11	39.45
St Dev			0.44	0.32	0.38	0.33	0.30	0.28	0.24	0.29	0.35	0.22	1.50
Net Irr			1.39	3.41	5.61	6.70	5.91	5.09	3.96	2.26	0.86		35.20
Open Water Deep	0.76	1.23	2.38	3.77	4.95	6.53	6.89	6.25	4.45	3.10	1.65	0.86	42.81
St Dev	0.16	0.19	0.33	0.45	0.50	0.58	0.47	0.39	0.31	0.35	0.19	0.15	2.06
Net Evap	0.35	0.82	1.93	3.43	4.72	6.41	6.21	5.48	3.94	2.43	1.27	0.57	37.56
Open Water Shallow	1.18	1.91	3.68	4.80	6.08	6.68	6.50	6.20	4.80	3.31	1.75	1.04	47.93
St Dev	0.21	0.23	0.31	0.30	0.31	0.27	0.24	0.25	0.21	0.27	0.16	0.16	1.45
Net Evap	0.77	1.51	3.23	4.45	5.86	6.55	5.82	5.43	4.29	2.65	1.37	0.74	42.67
Wetlands Large				0.09	4.33	10.37	10.64	9.46	7.22	4.66	1.31	0.02	48.11
St Dev				0.16	1.01	0.76	0.49	0.46	0.38	0.48	0.90	0.12	2.50
Net ET					4.11	10.25	9.96	8.70	6.71	3.99	0.92		44.65
Wetlands Narrow				0.10	5.78	14.78	15.20	13.52	10.32	6.65	1.87	0.03	68.25
St Dev				0.19	1.44	1.11	0.70	0.65	0.55	0.68	1.29	0.18	3.56
Net ET					5.56	14.65	14.52	12.75	9.81	5.99	1.48		64.77
ETr	1.19	2.32	4.95	7.19	9.11	10.50	10.13	9.01	6.88	4.50	2.28	1.21	69.28
St Dev	0.28	0.35	0.52	0.55	0.56	0.51	0.47	0.44	0.37	0.44	0.26	0.24	2.56

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MONUMENT VALLEY

Aridity Index: 99%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 36.98, Long: -110.11, Elev: 5564 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.75	37.48	46.70	54.41	64.56	75.27	79.48	76.43	68.71	56.44	42.08	31.79	55.43
St Dev	5.06	3.37	3.16	3.33	2.62	2.79	2.03	2.40	2.14	2.92	2.80	4.46	1.41
Precip (in)	0.32	0.29	0.26	0.26	0.31	0.11	0.50	0.65	0.60	0.70	0.36	0.32	4.69
St Dev	0.42	0.34	0.29	0.31	0.44	0.18	0.51	0.82	0.66	0.78	0.48	0.35	1.81
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	23.14	23.93	26.29	29.39	37.25	43.45	51.42	51.31	44.56	35.09	26.79	21.71	34.53
Rs (langley/day)	230	346	475	577	594	707	631	591	539	383	254	191	460
Wind (mpd)	97	110	146	165	150	140	121	117	116	118	105	105	124
Calc. Wind Limit (mpd)	96	107	132	132	132	132	106	102	106	112	102	96	113
.....Inches.....													
Alfalfa (Beef)			0.11	3.03	5.91	6.53	6.23	5.62	3.59	0.67			31.69
St Dev			0.16	0.63	0.58	0.51	0.48	0.97	1.19	0.69			2.47
Net Irr				2.82	5.66	6.44	5.83	5.10	3.11	0.11			29.07
Alfalfa (Dairy)			0.11	3.03	5.50	6.43	5.95	4.86	3.25	0.59			29.72
St Dev			0.16	0.63	0.50	0.42	0.40	0.77	0.99	0.66			2.19
Net Irr				2.82	5.25	6.34	5.55	4.33	2.77	0.03			27.10
Other Hay			0.10	3.48	6.66	6.72	3.18	2.00	0.68				22.81
St Dev			0.16	0.74	0.65	0.84	0.34	0.19	0.25				1.25
Net Irr				3.27	6.41	6.63	2.78	1.48	0.19				20.76
Pasture			0.21	2.58	4.38	5.66	5.40	4.56	3.24	1.21	0.04		27.28
St Dev			0.10	0.35	0.41	0.34	0.33	0.27	0.64	0.60	0.11		1.34
Net Irr				2.37	4.13	5.58	5.00	4.04	2.75	0.65			24.51
Sorghum				0.01	1.56	5.38	7.09	5.92	1.16				21.11
St Dev				0.02	0.38	0.70	0.43	0.83	0.75				1.66
Net Irr					1.31	5.29	6.69	5.40	0.67				19.37
Spring Grain			0.10	1.27	4.16	8.43	6.12	0.61					20.69
St Dev			0.08	0.33	0.94	0.62	1.24	0.64					1.16
Net Irr				1.06	3.91	8.34	5.72	0.09					19.12
Winter Wheat		0.01	0.83	1.54	4.05	8.33	4.43	0.21					19.40
St Dev		0.02	0.17	0.29	1.08	0.63	1.66	0.30					1.05
Net Irr			0.62	1.33	3.81	8.25	4.02						18.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MONUMENT VALLEY

Aridity Index: 99%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 36.98, Long: -110.11, Elev: 5564 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.01	1.71	3.73	5.92	4.79	1.10				17.27
St Dev				0.02	0.17	0.24	0.36	0.92	0.34				1.27
Net Irr					1.46	3.65	5.52	4.27	0.62				15.52
Turfgrass			0.34	2.38	3.77	5.00	4.76	4.04	2.97	1.33	0.06		24.65
St Dev			0.16	0.25	0.37	0.30	0.29	0.24	0.56	0.57	0.14		1.14
Net Irr			0.13	2.17	3.52	4.91	4.36	3.52	2.49	0.77			21.88
Open Water Deep	0.48	0.80	1.53	1.94	2.68	4.02	3.43	3.01	2.26	2.11	1.11	0.54	23.90
St Dev	0.15	0.17	0.27	0.23	0.32	0.36	0.27	0.21	0.22	0.28	0.17	0.13	1.10
Net Evap	0.22	0.57	1.31	1.73	2.43	3.94	3.03	2.49	1.78	1.55	0.82	0.29	20.15
Open Water Shallow	0.72	1.47	3.02	4.08	4.85	6.03	5.81	5.30	4.31	2.66	1.21	0.61	40.08
St Dev	0.18	0.22	0.30	0.28	0.33	0.26	0.28	0.24	0.21	0.26	0.16	0.12	1.08
Net Evap	0.46	1.24	2.81	3.88	4.60	5.94	5.40	4.78	3.83	2.10	0.92	0.35	36.33
Wetlands Large					0.86	6.05	8.28	6.91	4.86	1.14	0.02		28.12
St Dev					0.50	0.95	0.51	0.96	1.32	1.13	0.11		2.98
Net ET					0.61	5.97	7.87	6.38	4.38	0.58			25.81
Wetlands Narrow					1.06	8.42	11.82	9.86	6.95	1.64	0.02		39.77
St Dev					0.65	1.41	0.73	1.38	1.89	1.61	0.15		4.25
Net ET					0.82	8.34	11.41	9.34	6.47	1.08			37.45
ETr	0.50	1.46	3.54	5.07	6.46	8.33	7.94	6.75	5.13	3.21	1.31	0.50	50.20
St Dev	0.27	0.34	0.50	0.45	0.60	0.50	0.48	0.43	0.36	0.45	0.26	0.18	2.09

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PAGE

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.92, Long: -111.45, Elev: 4270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	35.30	40.80	49.33	57.31	67.09	77.77	83.24	80.40	72.09	59.12	45.23	35.84	58.63
St Dev	3.70	2.88	3.02	3.41	2.83	2.48	1.82	1.56	1.95	2.72	2.41	3.24	1.03
Precip (in)	0.62	0.51	0.61	0.49	0.36	0.14	0.57	0.74	0.67	0.97	0.54	0.43	6.64
St Dev	0.70	0.49	0.53	0.50	0.44	0.21	0.45	0.47	0.73	1.01	0.55	0.66	2.36
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	31.85	32.05	32.21	34.61	41.42	47.81	55.76	54.99	47.54	39.64	31.52	29.16	39.88
Rs (langley/day)	240	318	451	517	623	669	577	575	465	370	261	202	439
Wind (mpd)	55	65	86	107	102	99	90	84	80	71	59	53	79
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	99	96	101	96	96	109
.....Inches.....													
Alfalfa (Beef)			0.86	5.14	6.04	7.41	7.88	6.42	4.55	3.12	0.44		41.86
St Dev			0.41	0.69	0.44	0.48	0.59	0.65	0.35	0.45	0.43		1.38
Net Irr			0.38	4.75	5.75	7.30	7.42	5.83	4.02	2.34	0.01		37.80
Alfalfa (Dairy)			0.86	4.94	6.04	6.96	6.79	6.08	4.42	2.64	0.48		39.21
St Dev			0.41	0.51	0.43	0.41	0.24	0.28	0.26	0.42	0.44		1.40
Net Irr			0.38	4.55	5.75	6.84	6.33	5.49	3.89	1.87	0.05		35.14
Apples / Cherries			0.34	3.86	7.87	9.61	9.44	7.62	4.35	0.77			43.86
St Dev			0.28	0.61	0.66	0.44	0.31	0.40	0.31	0.49			1.24
Net Irr				3.47	7.58	9.49	8.99	7.03	3.81				40.37
Barley			0.49	3.50	7.90	6.01	0.18						18.07
St Dev			0.22	0.92	0.68	1.49	0.31						0.54
Net Irr			0.01	3.11	7.61	5.89							16.62
Other Hay			0.85	5.37	8.02	5.55	3.27	2.09	0.30				25.46
St Dev			0.41	0.63	0.54	0.65	0.16	0.16	0.19				1.00
Net Irr			0.37	4.98	7.74	5.44	2.82	1.49					22.84
Other Orchard			0.34	3.64	7.38	8.87	8.71	6.90	4.13	0.77			40.74
St Dev			0.26	0.59	0.60	0.41	0.29	0.38	0.24	0.49			1.15
Net Irr				3.24	7.09	8.75	8.26	6.31	3.60				37.26
Pasture			0.95	3.77	5.34	6.28	6.18	5.55	4.06	2.40	0.77	0.02	35.32
St Dev			0.32	0.38	0.38	0.29	0.20	0.23	0.19	0.27	0.35	0.05	1.17
Net Irr			0.46	3.38	5.05	6.17	5.73	4.95	3.52	1.62	0.34		31.23
Potato				0.60	3.17	6.94	6.11	1.16					17.98
St Dev				0.22	0.74	0.51	0.46	0.85					0.45
Net Irr				0.21	2.88	6.83	5.66	0.57					16.14
Spring Grain			0.48	3.31	7.82	7.06	0.51						19.19
St Dev			0.20	0.87	0.72	1.17	0.60						0.54
Net Irr				2.92	7.53	6.94	0.06						17.46

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PAGE

Aridity Index: 100%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.92, Long: -111.45, Elev: 4270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				1.03	2.83	5.95	7.33	3.71	0.10				20.95
St Dev				0.29	0.39	0.61	0.25	0.78	0.20				0.57
Net Irr				0.64	2.54	5.83	6.88	3.12					19.01
Turfgrass			1.19	3.13	4.71	5.54	5.45	4.89	3.59	2.22	0.68	0.05	31.46
St Dev			0.33	0.29	0.34	0.25	0.18	0.20	0.17	0.21	0.28	0.11	0.98
Net Irr			0.71	2.74	4.42	5.43	5.00	4.30	3.06	1.44	0.25		27.35
Open Water Deep	0.52	0.85	1.76	2.80	3.67	4.98	5.38	4.88	3.43	2.38	1.25	0.64	32.54
St Dev	0.11	0.13	0.26	0.35	0.40	0.41	0.31	0.28	0.23	0.27	0.14	0.10	1.28
Net Evap	0.03	0.44	1.27	2.41	3.38	4.87	4.93	4.29	2.90	1.60	0.82	0.30	27.23
Open Water Shallow	1.04	1.72	3.43	4.44	5.74	6.38	6.20	6.04	4.54	3.10	1.63	0.95	45.20
St Dev	0.17	0.20	0.32	0.31	0.34	0.25	0.18	0.22	0.19	0.24	0.15	0.12	1.04
Net Evap	0.55	1.31	2.94	4.05	5.45	6.26	5.74	5.45	4.01	2.32	1.20	0.61	39.89
Wetlands Large				0.01	2.91	8.66	9.55	8.56	6.29	3.90	0.81		40.68
St Dev				0.03	0.87	0.79	0.31	0.35	0.29	0.40	0.69		1.89
Net ET					2.62	8.55	9.09	7.97	5.76	3.12	0.38		37.49
Wetlands Narrow				0.01	3.81	12.30	13.64	12.23	8.98	5.56	1.16		57.70
St Dev				0.03	1.20	1.18	0.45	0.50	0.42	0.57	0.98		2.69
Net ET					3.52	12.18	13.18	11.64	8.45	4.79	0.73		54.50
ETr	0.88	1.82	4.15	6.03	7.86	9.24	9.09	8.15	5.99	3.78	1.82	0.93	59.75
St Dev	0.19	0.26	0.45	0.49	0.55	0.42	0.30	0.34	0.28	0.33	0.19	0.14	1.61

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PHANTOM RANCH

Aridity Index: 99%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 36.14, Long: -112.1, Elev: 2530 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	46.79	52.54	59.78	67.67	77.17	86.98	91.32	88.33	81.54	69.72	56.46	47.11	68.78
St Dev	3.48	2.36	3.68	3.57	2.96	2.30	2.19	2.37	2.33	3.02	2.90	2.78	1.10
Precip (in)	1.03	0.95	0.92	0.54	0.37	0.22	0.98	1.44	0.92	0.93	0.81	0.76	9.87
St Dev	1.12	0.68	0.70	0.50	0.39	0.27	0.88	0.99	0.76	0.87	0.89	0.67	2.86
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	34.28	35.85	35.73	37.73	41.37	45.60	54.02	53.87	47.76	43.37	36.66	34.64	41.74
Rs (langley/day)	238	325	444	517	624	674	576	564	464	380	257	217	440
Wind (mpd)	96	101	105	123	117	117	88	79	90	93	92	91	99
Calc. Wind Limit (mpd)	96	96	96	98	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			2.29	5.79	8.20	8.32	8.05	7.73	6.32	3.96	2.12	0.32	53.11
St Dev			0.82	0.41	0.71	0.63	0.53	0.61	0.58	0.50	0.55	0.48	1.90
Net Irr			1.55	5.36	7.90	8.14	7.26	6.58	5.58	3.22	1.48		47.09
Alfalfa (Dairy)			2.29	5.41	6.96	8.07	7.82	6.86	5.76	4.06	1.99	0.26	49.49
St Dev			0.82	0.40	0.35	0.37	0.31	0.26	0.31	0.36	0.63	0.40	1.71
Net Irr			1.55	4.98	6.67	7.89	7.04	5.71	5.02	3.32	1.35		43.53
Barley			1.39	6.19	8.50	1.41							17.49
St Dev			0.59	1.00	0.75	1.27							0.71
Net Irr			0.65	5.76	8.20	1.23							15.85
Other Hay			2.16	6.99	8.99	5.17	3.45	1.94	0.05				28.75
St Dev			0.74	0.66	0.46	0.57	0.20	0.26	0.11				0.92
Net Irr			1.42	6.56	8.69	4.99	2.67	0.79					25.12
Other Orchard			1.11	5.23	8.94	10.35	9.82	7.15	4.79	0.18			47.56
St Dev			0.47	0.72	0.47	0.43	0.38	0.39	0.54	0.37			1.17
Net Irr			0.38	4.80	8.64	10.17	9.04	5.99	4.05				43.07
Pasture		0.01	1.97	4.72	6.35	7.33	7.04	6.16	5.12	3.47	1.52	0.04	43.73
St Dev		0.02	0.52	0.40	0.32	0.31	0.25	0.23	0.27	0.34	0.35	0.07	1.31
Net Irr			1.23	4.29	6.05	7.15	6.26	5.01	4.38	2.73	0.87		37.99
Potato			0.01	1.43	5.93	8.00	3.36						18.73
St Dev			0.04	0.52	0.90	0.35	1.29						0.63
Net Irr				1.00	5.63	7.82	2.58						17.04
Spring Grain			1.33	5.99	8.99	2.46							18.77
St Dev			0.56	1.02	0.52	1.59							0.77
Net Irr			0.59	5.57	8.69	2.28							17.13

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PHANTOM RANCH

Aridity Index: 99%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 36.14, Long: -112.1, Elev: 2530 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden			0.07	1.74	4.06	7.90	7.83	2.48	0.01				24.09
St Dev			0.12	0.32	0.54	0.62	0.53	0.89	0.06				0.59
Net Irr				1.32	3.76	7.72	7.04	1.33					21.17
Turfgrass Dixie		0.01	2.36	3.83	6.04	7.01	6.73	5.89	4.90	3.48	1.90	0.76	42.92
St Dev		0.03	0.48	0.35	0.32	0.29	0.24	0.22	0.26	0.31	0.41	0.42	1.47
Net Irr			1.62	3.41	5.74	6.83	5.95	4.74	4.16	2.74	1.25	0.15	36.60
Open Water Deep	1.83	2.15	2.90	3.71	5.21	7.03	7.32	6.29	5.54	4.44	2.84	1.70	50.97
St Dev	0.29	0.27	0.48	0.46	0.49	0.51	0.45	0.43	0.41	0.49	0.34	0.22	1.95
Net Evap	1.01	1.38	2.16	3.28	4.92	6.86	6.54	5.14	4.81	3.70	2.19	1.09	43.07
Open Water Shallow	1.53	2.29	3.94	4.93	6.33	6.93	6.64	6.36	5.12	3.77	2.09	1.35	51.28
St Dev	0.21	0.23	0.42	0.33	0.28	0.25	0.20	0.21	0.24	0.28	0.19	0.16	1.25
Net Evap	0.70	1.52	3.20	4.50	6.03	6.75	5.86	5.21	4.39	3.03	1.44	0.74	43.39
Wetlands Large				0.33	5.42	10.98	10.88	9.52	7.92	5.62	2.87	0.51	54.05
St Dev				0.31	1.11	0.64	0.38	0.35	0.42	0.51	0.73	0.64	2.41
Net ET					5.12	10.80	10.09	8.36	7.18	4.88	2.23		48.67
Wetlands Narrow				0.39	7.38	15.67	15.54	13.60	11.31	8.03	4.10	0.73	76.74
St Dev				0.38	1.63	0.93	0.55	0.50	0.59	0.73	1.04	0.91	3.44
Net ET					7.08	15.49	14.76	12.44	10.57	7.29	3.46	0.12	71.21
ETr	1.99	3.04	5.40	7.12	9.34	10.78	10.36	9.06	7.54	5.36	3.04	1.74	74.77
St Dev	0.37	0.39	0.67	0.55	0.47	0.45	0.37	0.34	0.40	0.48	0.33	0.28	2.18

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PIPE SPRINGS NATL MON

Aridity Index: 98%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 36.86, Long: -112.74, Elev: 4920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	35.03	39.46	45.59	52.35	61.20	70.63	77.01	74.82	67.26	55.85	43.53	35.32	54.84
St Dev	3.84	3.19	2.98	3.14	2.63	2.29	1.98	1.57	1.92	2.66	2.81	3.07	1.06
Precip (in)	1.33	1.27	1.17	0.72	0.49	0.31	1.00	1.37	0.88	1.08	0.90	0.76	11.27
St Dev	1.44	1.01	1.10	0.70	0.50	0.34	0.73	0.90	0.92	1.14	0.86	0.66	3.59
Aridity Adj. (F)	1.96	1.86	2.65	3.63	5.39	6.66	5.59	5.49	5.59	5.10	3.53	2.35	4.15
Est. Dewpoint (F)	19.21	20.00	18.58	19.37	22.07	25.48	36.75	37.42	29.74	25.53	19.90	19.06	24.43
Rs (langley/day)	251	336	436	551	666	710	671	610	491	389	270	227	467
Wind (mpd)	58	57	87	88	94	87	79	80	66	65	65	48	73
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			0.07	3.78	7.26	7.52	7.15	6.92	4.39	0.48			37.57
St Dev			0.04	0.62	0.48	0.81	0.32	0.58	1.33	0.62			2.15
Net Irr				3.20	6.87	7.27	6.35	5.83	3.68				33.20
Alfalfa (Dairy)			0.07	3.78	6.62	6.98	7.09	6.32	3.83	0.48			35.17
St Dev			0.04	0.62	0.42	0.31	0.32	0.27	1.07	0.69			1.92
Net Irr				3.20	6.23	6.74	6.29	5.22	3.12				30.81
Apples / Cherries					3.11	8.23	9.78	8.74	5.90	1.99	0.05		37.79
St Dev					0.26	0.40	0.36	0.33	0.53	1.02	0.18		1.70
Net Irr					2.72	7.99	8.98	7.64	5.19	1.12			33.64
Barley			0.04	1.64	5.99	9.41	5.32	0.09					22.49
St Dev			0.02	0.40	1.04	0.50	1.63	0.20					0.65
Net Irr				1.07	5.60	9.16	4.52						20.35
Other Hay			0.07	4.21	8.36	7.28	3.70	2.46	0.74				26.82
St Dev			0.04	0.59	0.57	0.50	0.21	0.11	0.14				1.06
Net Irr				3.64	7.97	7.04	2.90	1.36	0.04				22.94
Other Orchard					2.90	7.86	9.03	8.07	5.41	1.79	0.05		35.09
St Dev					0.24	0.38	0.33	0.30	0.48	0.92	0.18		1.56
Net Irr					2.51	7.61	8.23	6.97	4.70	0.92			30.94
Pasture			0.05	2.68	5.44	6.25	6.39	5.71	3.77	1.25	0.03		31.57
St Dev			0.02	0.27	0.37	0.31	0.24	0.21	0.46	0.78	0.12		1.59
Net Irr				2.10	5.05	6.01	5.59	4.61	3.06	0.39			26.81
Potato					0.89	3.66	7.07	6.07	3.03	0.26			20.98
St Dev					0.08	0.58	0.34	0.25	0.77	0.37			1.04
Net Irr					0.50	3.41	6.28	4.98	2.32				17.49
Spring Grain			0.04	1.58	5.69	9.40	6.58	0.36					23.64
St Dev			0.02	0.37	1.02	0.55	1.35	0.46					0.64
Net Irr				1.00	5.30	9.15	5.78						21.24

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PIPE SPRINGS NATL MON

Aridity Index: 98%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 36.86, Long: -112.74, Elev: 4920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.11	3.05	5.64	6.89	2.58	0.03			19.31
St Dev					0.10	0.15	0.21	0.26	0.66	0.05			0.66
Net Irr					0.72	2.81	4.84	5.79	1.88				16.04
Turfgrass			0.09	2.71	4.62	5.52	5.64	5.04	3.51	1.41	0.04		28.59
St Dev			0.04	0.26	0.31	0.27	0.21	0.19	0.33	0.76	0.15		1.39
Net Irr				2.13	4.23	5.27	4.84	3.95	2.81	0.54			23.78
Open Water Deep	0.87	0.93	1.81	2.20	3.32	4.15	4.58	4.53	2.86	2.21	1.49	0.73	29.67
St Dev	0.16	0.15	0.27	0.28	0.33	0.33	0.27	0.23	0.19	0.23	0.20	0.11	1.18
Net Evap			0.87	1.62	2.93	3.90	3.78	3.44	2.16	1.34	0.77	0.12	20.93
Open Water Shallow	1.27	1.82	3.16	4.20	5.56	6.07	6.38	5.89	4.37	3.05	1.70	1.11	44.59
St Dev	0.19	0.23	0.33	0.32	0.30	0.24	0.19	0.18	0.20	0.22	0.18	0.14	1.05
Net Evap	0.21	0.81	2.22	3.62	5.17	5.82	5.58	4.80	3.66	2.18	0.98	0.51	35.57
Wetlands Large					0.88	6.50	9.83	8.82	5.58	0.92			32.54
St Dev					0.12	0.38	0.37	0.33	1.22	1.17			2.35
Net ET					0.49	6.26	9.03	7.73	4.87	0.06			28.43
Wetlands Narrow					1.06	9.03	14.04	12.60	7.96	1.32	0.01		46.01
St Dev					0.15	0.54	0.52	0.47	1.74	1.68	0.04		3.35
Net ET					0.67	8.78	13.24	11.51	7.26	0.45			41.91
ETr	1.56	2.19	4.41	5.89	8.06	9.20	9.40	8.40	5.96	4.10	2.39	1.31	62.87
St Dev	0.30	0.34	0.58	0.55	0.54	0.46	0.35	0.31	0.31	0.36	0.32	0.20	1.82

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUPAI

Aridity Index: 99%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.2, Long: -112.7, Elev: 3204 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	40.94	46.34	53.00	59.40	68.69	77.94	83.28	80.31	73.55	61.75	49.68	40.74	61.30
St Dev	3.56	3.05	3.63	3.50	3.59	3.08	2.44	2.32	2.24	2.38	3.29	3.08	1.73
Precip (in)	0.84	0.89	0.84	0.47	0.34	0.20	0.97	1.07	0.58	0.66	0.60	0.60	8.05
St Dev	0.84	0.59	0.75	0.40	0.38	0.29	0.81	0.65	0.51	0.72	0.52	0.51	2.16
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	25.13	26.90	25.83	26.42	29.47	33.47	43.43	43.22	35.71	32.00	26.54	24.65	31.06
Rs (langley/day)	266	340	418	528	623	692	638	582	474	371	270	210	451
Wind (mpd)	86	89	100	113	111	109	86	80	83	86	86	79	92
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			2.04	6.35	7.62	8.13	8.92	7.89	5.71	3.65	0.66	0.03	51.00
St Dev			0.71	0.49	0.69	0.39	0.81	0.72	0.43	0.91	0.86	0.11	1.76
Net Irr			1.37	5.98	7.35	7.97	8.15	7.03	5.24	3.12	0.18		46.39
Alfalfa (Dairy)			2.04	5.83	7.14	8.20	8.02	6.93	5.69	3.46	0.63	0.04	47.98
St Dev			0.71	0.42	0.42	0.41	0.32	0.35	0.25	0.97	0.82	0.14	1.76
Net Irr			1.37	5.46	6.87	8.04	7.24	6.07	5.23	2.94	0.15		43.37
Barley			1.19	5.43	9.47	4.71	0.04						20.84
St Dev			0.48	1.06	0.60	2.34	0.09						1.58
Net Irr			0.52	5.06	9.20	4.55							19.33
Other Hay			2.03	6.99	9.18	5.36	3.59	2.05	0.08				29.29
St Dev			0.69	0.60	0.58	0.57	0.20	0.23	0.12				1.15
Net Irr			1.36	6.61	8.91	5.20	2.82	1.20					26.09
Other Orchard			0.94	5.04	8.97	10.34	10.13	7.40	5.03	0.33			48.18
St Dev			0.44	0.62	0.54	0.43	0.39	0.40	0.41	0.43			1.51
Net Irr			0.27	4.66	8.70	10.18	9.35	6.54	4.57				44.27
Pasture			2.01	4.77	6.38	7.32	7.23	6.26	5.09	3.16	0.97	0.01	43.19
St Dev			0.52	0.37	0.37	0.30	0.26	0.28	0.22	0.67	0.73	0.02	1.73
Net Irr			1.33	4.40	6.11	7.16	6.46	5.40	4.62	2.63	0.49		38.61
Potato				1.04	4.65	8.24	6.52	0.84					21.27
St Dev				0.31	0.91	0.38	1.13	0.94					1.23
Net Irr				0.66	4.38	8.08	5.74						18.86
Spring Grain			1.15	5.18	9.54	6.16	0.23						22.26
St Dev			0.45	1.08	0.59	2.33	0.37						1.65
Net Irr			0.47	4.80	9.27	6.00							20.55

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUPAI

Aridity Index: 99%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.2, Long: -112.7, Elev: 3204 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden			0.01	1.58	3.80	7.57	8.32	3.10	0.01				24.39
St Dev			0.05	0.31	0.46	0.59	0.44	0.82	0.04				0.75
Net Irr				1.21	3.53	7.41	7.55	2.24					21.94
Turfgrass Dixie		0.01	2.43	3.87	6.07	7.00	6.91	5.98	4.94	3.35	1.25	0.17	41.99
St Dev		0.02	0.47	0.32	0.36	0.29	0.25	0.27	0.21	0.56	0.91	0.41	1.70
Net Irr			1.76	3.49	5.80	6.84	6.14	5.13	4.48	2.83	0.77		37.23
Open Water Deep	1.95	2.19	3.05	3.53	4.98	6.48	6.83	6.08	5.06	4.05	2.79	1.75	48.74
St Dev	0.26	0.25	0.42	0.40	0.54	0.58	0.45	0.38	0.30	0.35	0.32	0.18	2.01
Net Evap	1.27	1.47	2.37	3.15	4.71	6.32	6.05	5.23	4.60	3.53	2.31	1.27	42.30
Open Water Shallow	1.75	2.38	3.74	4.78	6.06	6.72	6.82	6.26	4.96	3.57	2.16	1.44	50.65
St Dev	0.18	0.21	0.32	0.29	0.29	0.23	0.21	0.23	0.17	0.23	0.17	0.13	1.20
Net Evap	1.08	1.66	3.07	4.41	5.79	6.56	6.05	5.40	4.50	3.04	1.69	0.97	44.21
Wetlands Large				0.10	4.58	10.69	11.17	9.67	7.98	5.10	1.13	0.10	50.51
St Dev				0.15	0.95	0.66	0.41	0.43	0.35	1.23	1.36	0.38	2.50
Net ET					4.31	10.53	10.39	8.81	7.52	4.57	0.66		46.79
Wetlands Narrow				0.11	6.13	15.23	15.95	13.81	11.40	7.28	1.62	0.15	71.68
St Dev				0.17	1.37	0.97	0.58	0.61	0.50	1.76	1.95	0.54	3.57
Net ET					5.86	15.07	15.18	12.95	10.94	6.76	1.14		67.90
ETr	2.52	3.38	5.70	7.21	9.39	10.77	10.63	9.21	7.60	5.48	3.42	2.23	77.54
St Dev	0.35	0.38	0.60	0.52	0.54	0.44	0.39	0.41	0.33	0.46	0.34	0.28	2.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TEEC NOS POS

Aridity Index: 83%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.92, Long: -109.09, Elev: 5290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.95	37.98	45.98	54.14	63.61	73.84	79.08	76.44	67.94	55.64	42.58	32.55	55.14
St Dev	4.72	3.38	2.96	3.10	3.19	2.75	2.23	1.93	2.38	2.54	2.47	3.29	1.51
Precip (in)	0.73	0.53	0.63	0.54	0.56	0.21	0.93	1.15	0.79	0.96	0.56	0.73	8.34
St Dev	0.75	0.47	0.58	0.57	0.57	0.27	0.82	1.00	0.70	1.07	0.56	1.09	2.10
Aridity Adj. (F)	1.66	1.58	2.24	3.07	4.57	5.64	4.73	4.65	4.73	4.32	2.99	1.99	3.51
Est. Dewpoint (F)	19.81	21.56	23.42	27.20	34.91	39.18	49.72	50.58	42.32	32.01	24.77	18.89	32.03
Rs (langley/day)	241	322	429	543	635	695	648	579	489	371	261	207	452
Wind (mpd)	107	123	147	156	134	127	114	104	109	112	108	109	121
Calc. Wind Limit (mpd)	96	96	113	132	119	114	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)			0.07	3.39	6.53	7.23	6.59	6.12	4.07	0.71			34.71
St Dev			0.11	0.74	0.49	0.84	0.39	0.61	1.22	0.76			2.21
Net Irr				2.96	6.08	7.06	5.84	5.20	3.44				30.58
Alfalfa (Dairy)			0.07	3.39	6.03	6.85	6.47	5.45	3.63	0.62			32.51
St Dev			0.11	0.74	0.46	0.42	0.36	0.35	0.97	0.73			2.05
Net Irr				2.96	5.58	6.68	5.72	4.54	2.99				28.47
Apples / Cherries				0.38	4.69	9.02	8.94	7.57	5.01	1.35	0.01		36.98
St Dev				0.08	0.40	0.57	0.46	0.45	0.52	0.88	0.06		1.88
Net Irr					4.24	8.85	8.19	6.66	4.37	0.58			32.89
Other Hay			0.07	3.77	7.47	7.40	3.48	2.18	0.78				25.16
St Dev			0.11	0.82	0.65	0.80	0.26	0.18	0.20				1.24
Net Irr				3.34	7.02	7.23	2.74	1.27	0.14				21.74
Other Orchard				0.39	4.41	8.46	8.25	6.99	4.54	1.25	0.01		34.30
St Dev				0.08	0.38	0.53	0.42	0.42	0.47	0.84	0.06		1.75
Net Irr					3.96	8.29	7.50	6.07	3.90	0.48			30.21
Pasture			0.16	2.80	4.91	6.08	5.84	4.94	3.37	0.94	0.01		29.05
St Dev			0.08	0.35	0.41	0.38	0.30	0.29	0.49	0.69	0.07		1.69
Net Irr				2.37	4.46	5.91	5.10	4.02	2.73	0.17			24.76
Sorghum					1.69	5.64	7.67	6.56	1.39				22.94
St Dev					0.37	0.76	0.42	0.39	0.70				1.16
Net Irr					1.24	5.47	6.92	5.64	0.76				20.03
Spring Grain			0.08	1.50	5.04	9.11	5.77	0.36					21.86
St Dev			0.07	0.40	1.07	0.63	1.58	0.53					0.82
Net Irr				1.07	4.59	8.94	5.03						19.62
Winter Wheat		0.05	0.93	1.89	5.19	8.90	3.56	0.09					20.61
St Dev		0.07	0.17	0.38	1.26	0.57	1.87	0.21					0.79
Net Irr			0.42	1.45	4.74	8.73	2.81						18.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TEEC NOS POS

Aridity Index: 83%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.92, Long: -109.09, Elev: 5290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.87	3.93	6.34	5.42	1.28				18.84
St Dev					0.17	0.25	0.34	0.51	0.32				1.12
Net Irr					1.42	3.76	5.60	4.51	0.65				15.93
Turfgrass			0.26	2.67	4.21	5.36	5.16	4.37	3.20	1.08	0.01		26.33
St Dev			0.13	0.26	0.36	0.34	0.26	0.26	0.36	0.73	0.09		1.48
Net Irr				2.23	3.76	5.19	4.41	3.45	2.57	0.31			21.93
Open Water Deep	0.86	1.06	1.69	2.48	3.03	4.37	3.91	3.58	2.64	2.34	1.47	0.93	28.36
St Dev	0.18	0.18	0.26	0.29	0.37	0.41	0.31	0.26	0.20	0.25	0.23	0.18	1.54
Net Evap	0.27	0.64	1.19	2.05	2.57	4.20	3.17	2.67	2.01	1.57	1.02	0.34	21.69
Open Water Shallow	0.98	1.59	2.95	4.15	5.27	6.07	6.11	5.45	4.16	2.78	1.45	0.88	41.85
St Dev	0.17	0.20	0.29	0.28	0.34	0.29	0.25	0.24	0.18	0.22	0.19	0.16	1.31
Net Evap	0.40	1.17	2.44	3.72	4.82	5.90	5.37	4.53	3.53	2.01	1.00	0.30	35.18
Wetlands Large					1.00	6.57	8.97	7.65	5.21	1.23			30.63
St Dev					0.49	0.94	0.49	0.46	1.17	1.25			2.70
Net ET					0.55	6.40	8.23	6.73	4.57	0.46			26.94
Wetlands Narrow					1.23	9.15	12.82	10.93	7.44	1.76			43.31
St Dev					0.63	1.39	0.70	0.65	1.68	1.78			3.86
Net ET					0.78	8.98	12.07	10.01	6.80	0.99			39.62
ETr	1.12	1.95	3.90	5.73	7.26	8.94	8.59	7.28	5.50	3.77	1.94	1.16	57.15
St Dev	0.29	0.34	0.50	0.49	0.60	0.56	0.44	0.43	0.30	0.41	0.39	0.35	2.47

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TUBA CITY

Aridity Index: 51%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.13, Long: -111.24, Elev: 4988 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	34.15	39.89	47.21	54.07	63.34	72.59	78.54	76.60	68.69	56.89	43.65	33.81	55.79
St Dev	3.53	2.82	3.21	3.38	2.95	2.85	2.13	2.07	2.18	2.81	2.89	3.17	1.34
Precip (in)	0.54	0.50	0.53	0.32	0.36	0.15	0.62	0.78	0.89	0.85	0.52	0.42	6.49
St Dev	0.64	0.46	0.46	0.44	0.54	0.24	0.42	0.49	0.77	1.42	0.47	0.47	2.09
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	22.49	23.49	23.85	25.52	30.21	35.63	45.36	46.15	37.71	31.80	24.35	21.25	30.65
Rs (langley/day)	245	342	463	535	641	684	596	571	474	377	258	206	449
Wind (mpd)	80	94	104	125	122	117	95	88	93	89	84	79	98
Calc. Wind Limit (mpd)	96	96	104	131	118	106	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)			0.40	4.30	7.10	7.95	6.90	6.36	5.07	1.31	0.04		39.43
St Dev			0.35	0.78	0.51	0.86	0.44	0.57	1.18	1.01	0.21		2.29
Net Irr				4.04	6.81	7.83	6.40	5.73	4.36	0.63			35.81
Alfalfa (Dairy)			0.40	4.30	6.55	7.03	6.84	5.99	4.53	1.48	0.02		37.14
St Dev			0.35	0.78	0.47	0.35	0.40	0.24	0.85	1.06	0.07		2.12
Net Irr				4.04	6.26	6.91	6.35	5.37	3.82	0.80			33.54
Apples / Cherries				0.91	5.90	9.59	9.43	8.24	5.60	2.35	0.03		42.05
St Dev				0.12	0.45	0.52	0.49	0.36	0.81	0.78	0.05		1.68
Net Irr				0.65	5.61	9.47	8.93	7.61	4.88	1.68			38.83
Barley			0.28	2.11	6.78	9.35	3.49	0.01					22.03
St Dev			0.16	0.62	1.23	0.42	1.84	0.03					0.68
Net Irr				1.85	6.49	9.23	2.99						20.57
Other Hay			0.41	4.87	8.48	6.59	3.44	2.20	0.57				26.57
St Dev			0.38	0.84	0.61	0.89	0.27	0.18	0.27				1.15
Net Irr				4.62	8.19	6.47	2.95	1.58					23.80
Other Orchard				0.87	5.60	8.93	8.70	7.60	5.05	2.26	0.03		39.04
St Dev				0.11	0.43	0.48	0.45	0.33	0.73	0.77	0.05		1.57
Net Irr				0.62	5.31	8.81	8.20	6.97	4.33	1.58			35.83
Pasture			0.61	3.54	5.58	6.34	6.16	5.39	4.08	1.85	0.11		33.66
St Dev			0.26	0.45	0.41	0.34	0.32	0.25	0.66	0.75	0.24		1.73
Net Irr			0.19	3.29	5.29	6.22	5.67	4.77	3.36	1.17			29.95
Potato				0.01	1.83	5.20	6.98	5.23	1.91	0.09			21.25
St Dev				0.02	0.32	0.88	0.35	0.47	1.21	0.20			1.02
Net Irr					1.54	5.08	6.48	4.60	1.20				18.90
Spring Grain			0.28	2.02	6.53	9.47	4.67	0.12					23.09
St Dev			0.16	0.58	1.25	0.46	1.84	0.21					0.70
Net Irr				1.76	6.24	9.35	4.17						21.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TUBA CITY

Aridity Index: 51%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 36.13, Long: -111.24, Elev: 4988 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.01	2.18	4.19	6.72	5.75	1.39				20.23
St Dev				0.02	0.17	0.23	0.42	1.00	0.36				1.52
Net Irr					1.89	4.07	6.22	5.12	0.67				17.97
Turfgrass			0.86	3.03	4.88	5.60	5.44	4.77	3.73	1.99	0.12		30.41
St Dev			0.33	0.31	0.37	0.30	0.28	0.21	0.55	0.68	0.26		1.46
Net Irr			0.44	2.77	4.59	5.48	4.94	4.15	3.01	1.31			26.68
Open Water Deep	0.79	1.16	1.81	2.72	3.83	4.68	4.86	4.39	3.57	2.66	1.54	0.81	32.82
St Dev	0.18	0.18	0.28	0.33	0.41	0.44	0.35	0.28	0.26	0.28	0.20	0.14	1.51
Net Evap	0.36	0.76	1.39	2.46	3.54	4.56	4.36	3.76	2.85	1.98	1.13	0.47	27.62
Open Water Shallow	1.06	1.77	3.25	4.23	5.58	6.10	5.96	5.65	4.40	3.03	1.57	0.91	43.51
St Dev	0.20	0.21	0.31	0.29	0.31	0.26	0.24	0.20	0.20	0.21	0.16	0.13	1.12
Net Evap	0.63	1.36	2.83	3.97	5.29	5.98	5.46	5.02	3.69	2.35	1.15	0.57	38.31
Wetlands Large					1.71	7.62	9.50	8.35	6.38	2.33	0.05		35.94
St Dev					0.70	0.96	0.49	0.36	1.09	1.46	0.23		2.82
Net ET					1.42	7.50	9.01	7.72	5.66	1.66			32.96
Wetlands Narrow					2.16	10.70	13.57	11.93	9.11	3.33	0.07		50.88
St Dev					0.93	1.43	0.70	0.52	1.56	2.09	0.33		4.02
Net ET					1.87	10.58	13.08	11.30	8.40	2.66			47.88
ETr	1.24	2.21	4.30	6.12	8.21	9.33	9.06	7.95	6.37	4.27	2.22	1.15	62.44
St Dev	0.37	0.38	0.53	0.53	0.60	0.50	0.47	0.35	0.38	0.39	0.29	0.26	2.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WAHWEAP

Aridity Index: 51%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37, Long: -111.49, Elev: 3730 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	37.39	42.75	50.92	58.89	69.14	79.36	84.78	82.24	74.01	61.08	47.36	37.94	60.49
St Dev	3.34	2.68	2.88	3.27	2.85	2.68	2.19	1.72	1.92	2.64	2.21	2.95	0.97
Precip (in)	0.64	0.62	0.65	0.41	0.38	0.19	0.64	0.80	0.66	1.00	0.64	0.40	7.02
St Dev	0.79	0.95	0.58	0.44	0.40	0.46	0.78	0.78	0.72	1.15	0.65	0.47	2.91
Aridity Adj. (F)	1.02	0.97	1.38	1.89	2.81	3.47	2.91	2.86	2.91	2.65	1.84	1.22	2.16
Est. Dewpoint (F)	33.18	33.56	33.64	36.09	44.63	51.22	59.40	58.78	51.14	43.24	34.03	30.74	42.47
Rs (langley/day)	192	297	406	504	611	666	598	553	449	363	247	194	423
Wind (mpd)	57	67	88	109	104	100	91	85	81	72	61	55	81
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	99	96	101	96	96	109
.....Inches.....													
Alfalfa (Beef)			0.74	5.66	6.74	7.75	8.58	7.07	4.84	3.36	1.07	0.02	45.84
St Dev			0.46	0.72	0.55	0.42	0.71	0.67	0.38	0.46	0.74	0.05	2.19
Net Irr			0.22	5.34	6.44	7.60	8.07	6.43	4.31	2.56	0.57		41.54
Alfalfa (Dairy)			0.74	5.37	6.67	7.69	7.35	6.42	4.77	3.02	0.86	0.02	42.91
St Dev			0.46	0.54	0.45	0.52	0.43	0.29	0.29	0.36	0.50	0.09	2.02
Net Irr			0.22	5.04	6.37	7.54	6.85	5.78	4.24	2.22	0.35		38.60
Apples / Cherries			0.23	4.03	8.55	10.52	10.24	8.18	4.80	1.07			47.61
St Dev			0.28	0.75	0.73	0.53	0.53	0.41	0.33	0.53			1.80
Net Irr				3.70	8.25	10.37	9.73	7.54	4.27	0.27			44.12
Barley			0.46	4.19	8.78	4.17	0.01						17.60
St Dev			0.24	1.00	0.61	1.70	0.04						0.89
Net Irr				3.86	8.47	4.02							16.36
Other Hay			0.71	5.74	8.91	6.49	3.62	2.27	0.42				28.16
St Dev			0.44	0.81	0.55	0.78	0.21	0.17	0.24				1.02
Net Irr			0.18	5.41	8.61	6.33	3.11	1.63					25.28
Other Orchard			0.22	3.79	8.05	9.71	9.45	7.43	4.52	1.07			44.23
St Dev			0.26	0.72	0.65	0.49	0.49	0.39	0.28	0.53			1.67
Net Irr				3.46	7.74	9.56	8.94	6.79	3.99	0.27			40.75
Pasture			0.87	4.09	5.89	6.88	6.70	5.86	4.41	2.72	1.03	0.06	38.49
St Dev			0.35	0.46	0.38	0.35	0.35	0.26	0.25	0.28	0.30	0.10	1.67
Net Irr			0.34	3.76	5.59	6.73	6.19	5.22	3.88	1.92	0.52		34.14
Potato				0.59	4.02	7.72	5.18	0.13					17.64
St Dev				0.29	0.85	0.40	1.07	0.25					0.85
Net Irr				0.27	3.72	7.56	4.67						16.22
Spring Grain			0.45	3.96	8.78	5.53	0.08						18.80
St Dev			0.23	0.97	0.67	1.65	0.19						0.91
Net Irr				3.64	8.47	5.38							17.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WAHWEAP

Aridity Index: 51%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37, Long: -111.49, Elev: 3730 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				1.03	3.00	6.30	7.99	4.26	0.15				22.72
St Dev				0.32	0.38	0.70	0.41	0.74	0.25				0.85
Net Irr				0.70	2.69	6.15	7.48	3.62					20.64
Turfgrass			1.13	3.42	5.18	6.07	5.91	5.17	3.90	2.48	0.90	0.09	34.24
St Dev			0.39	0.33	0.34	0.30	0.31	0.23	0.23	0.25	0.22	0.15	1.48
Net Irr			0.61	3.09	4.87	5.92	5.40	4.53	3.37	1.68	0.39		29.86
Open Water Deep	0.68	1.04	2.09	3.36	4.52	6.05	6.27	5.76	4.14	2.86	1.53	0.82	39.12
St Dev	0.15	0.16	0.30	0.39	0.47	0.49	0.46	0.33	0.28	0.33	0.18	0.13	1.88
Net Evap	0.17	0.55	1.57	3.04	4.21	5.90	5.76	5.12	3.61	2.06	1.02	0.49	33.51
Open Water Shallow	0.98	1.76	3.36	4.61	6.01	6.71	6.65	6.17	4.71	3.29	1.72	1.04	47.00
St Dev	0.20	0.21	0.33	0.30	0.32	0.28	0.30	0.23	0.23	0.28	0.17	0.14	1.67
Net Evap	0.47	1.26	2.83	4.29	5.71	6.55	6.14	5.53	4.18	2.49	1.21	0.71	41.39
Wetlands Large				0.01	3.07	9.41	10.34	9.05	6.82	4.35	1.44	0.05	44.53
St Dev				0.07	0.94	0.88	0.54	0.40	0.40	0.46	0.82	0.18	2.66
Net ET					2.77	9.26	9.84	8.41	6.29	3.55	0.93		41.03
Wetlands Narrow				0.02	4.01	13.35	14.78	12.92	9.74	6.22	2.05	0.07	63.15
St Dev				0.08	1.30	1.30	0.78	0.57	0.56	0.65	1.18	0.26	3.79
Net ET					3.71	13.20	14.27	12.28	9.21	5.42	1.54		59.63
ETr	1.07	2.04	4.47	6.70	8.67	10.11	9.85	8.62	6.49	4.18	2.10	1.16	65.46
St Dev	0.32	0.30	0.56	0.52	0.56	0.51	0.52	0.38	0.38	0.41	0.25	0.22	2.92

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALTENBERN

Aridity Index: 29%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.5, Long: -108.38, Elev: 5678 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.81	30.11	38.90	46.28	55.00	63.79	69.94	67.59	59.35	48.36	34.98	25.03	46.93
St Dev	5.07	3.68	2.78	2.83	2.13	2.64	2.33	1.97	2.35	2.32	2.69	3.44	1.29
Precip (in)	1.14	1.25	1.56	1.51	1.69	0.92	1.30	1.44	1.73	1.89	1.37	1.09	16.88
St Dev	0.91	0.92	0.92	0.86	1.13	0.94	0.81	0.85	1.14	1.22	0.94	0.74	3.84
Aridity Adj. (F)	0.58	0.55	0.78	1.07	1.60	1.97	1.65	1.62	1.65	1.51	1.04	0.70	1.23
Est. Dewpoint (F)	13.51	18.20	20.13	20.49	27.01	29.92	37.74	39.30	32.19	27.05	18.71	13.12	24.78
Rs (langleys/day)	199	266	383	502	586	683	614	523	437	313	214	177	408
Wind (mpd)	79	91	120	136	123	116	105	96	98	91	90	77	102
Calc. Wind Limit (mpd)	96	96	102	127	119	112	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				0.48	5.07	7.42	7.41	4.92	2.19	0.01			27.50
St Dev				0.16	0.62	0.39	1.48	1.38	1.41	0.04			3.57
Net Irr					3.72	6.69	6.37	3.76	0.81				21.34
Alfalfa (Dairy)				0.48	5.07	6.76	6.61	5.03	1.88	0.01			25.84
St Dev				0.16	0.62	0.37	0.44	1.30	1.39	0.04			2.69
Net Irr					3.72	6.02	5.57	3.87	0.49				19.68
Barley				0.24	2.33	7.55	8.77	3.03	0.04				21.97
St Dev				0.05	0.45	0.97	0.61	1.47	0.13				1.38
Net Irr					0.98	6.82	7.73	1.88					17.41
Corn						1.91	5.51	6.92	2.65	0.02			17.01
St Dev						0.22	0.88	1.22	1.70	0.12			2.42
Net Irr						1.17	4.47	5.77	1.26				12.67
Other Hay				0.48	5.71	9.16	6.15	2.76	1.19	0.06			25.52
St Dev				0.16	0.59	0.62	0.38	0.15	0.39	0.11			1.49
Net Irr					4.36	8.43	5.11	1.60					19.50
Pasture				0.33	3.62	5.98	6.00	4.98	2.53	0.17			23.63
St Dev				0.07	0.34	0.41	0.35	0.32	1.01	0.35			1.83
Net Irr					2.27	5.25	4.96	3.83	1.15				17.46
Sorghum						2.40	5.98	6.36	2.52	0.01			17.27
St Dev						0.17	0.37	0.97	1.63	0.06			2.19
Net Irr						1.67	4.94	5.20	1.14				12.95
Spring Grain				0.24	2.23	7.26	8.88	4.14	0.26				23.02
St Dev				0.05	0.42	0.99	0.67	1.54	0.37				1.67
Net Irr					0.88	6.53	7.84	2.98					18.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ALTENBERN

Aridity Index: 29%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.5, Long: -108.38, Elev: 5678 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						2.26	3.79	5.16	1.26				12.47
St Dev						0.16	0.23	0.56	1.19				1.47
Net Irr						1.52	2.75	4.01					8.29
Turfgrass				0.54	3.29	5.17	5.29	4.44	2.54	0.21			21.49
St Dev				0.11	0.31	0.35	0.31	0.25	0.89	0.40			1.60
Net Irr					1.94	4.44	4.25	3.28	1.15				15.07
Open Water Deep	0.50	0.61	1.12	2.04	2.74	3.80	3.93	3.66	2.66	1.95	1.17	0.58	24.75
St Dev	0.09	0.11	0.21	0.28	0.30	0.38	0.33	0.23	0.24	0.27	0.18	0.09	1.39
Net Evap				0.83	1.39	3.06	2.89	2.50	1.28	0.44	0.07		12.46
Open Water Shallow	0.64	1.05	2.32	3.57	4.68	5.64	5.64	4.87	3.66	2.26	1.10	0.61	36.04
St Dev	0.09	0.13	0.27	0.30	0.32	0.29	0.24	0.18	0.21	0.24	0.14	0.08	1.30
Net Evap		0.05	1.08	2.36	3.33	4.90	4.60	3.71	2.28	0.75			23.07
Wetlands Large						2.67	7.82	7.37	2.94	0.03			20.83
St Dev						0.50	0.66	1.43	1.90	0.15			2.92
Net ET						1.94	6.78	6.22	1.56				16.49
Wetlands Narrow						3.45	11.06	10.53	4.20	0.04			29.27
St Dev						0.67	0.96	2.05	2.71	0.21			4.17
Net ET						2.71	10.02	9.37	2.82				24.92
ETr	0.81	1.31	3.12	5.20	6.92	8.81	8.82	7.42	5.59	3.47	1.70	0.86	54.02
St Dev	0.17	0.25	0.51	0.58	0.65	0.60	0.52	0.41	0.42	0.53	0.33	0.17	2.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BROWNS PARK REFUGE

Aridity Index: 43%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.8, Long: -108.92, Elev: 5354 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.53	27.75	37.64	44.53	53.98	62.66	68.71	66.87	57.31	45.95	33.63	24.81	45.53
St Dev	6.43	4.19	3.09	3.54	2.71	2.90	2.66	2.43	2.61	2.23	3.11	3.82	1.43
Precip (in)	0.61	0.48	0.69	0.71	1.09	0.61	0.56	0.51	0.88	1.01	0.63	0.55	8.33
St Dev	0.56	0.42	0.47	0.44	0.86	0.54	0.55	0.44	0.72	0.90	0.42	0.55	2.00
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	11.02	15.70	17.95	16.77	24.40	26.37	31.57	31.58	23.44	20.50	14.33	10.59	20.35
Rs (langley/day)	188	275	386	493	579	656	630	551	452	326	210	158	409
Wind (mpd)	52	53	90	109	101	90	79	73	67	65	63	53	75
Calc. Wind Limit (mpd)	96	96	96	109	101	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				1.02	5.90	6.85	7.81	5.60	1.22	0.02			28.43
St Dev				0.26	0.74	0.34	1.03	2.07	1.22	0.11			3.29
Net Irr				0.46	5.03	6.36	7.37	5.19	0.52				24.93
Alfalfa (Dairy)				1.02	5.90	6.64	6.83	5.28	1.48	0.02			27.17
St Dev				0.26	0.72	0.46	0.27	1.30	1.37	0.08			2.59
Net Irr				0.46	5.03	6.15	6.38	4.88	0.78				23.67
Other Hay				1.05	6.52	8.96	5.60	2.86	0.91	0.02			25.92
St Dev				0.27	0.64	0.58	0.34	0.21	0.45	0.05			1.22
Net Irr				0.48	5.65	8.48	5.15	2.46	0.21				22.42
Pasture				0.69	4.19	5.94	6.27	5.30	1.91	0.05			24.35
St Dev				0.10	0.38	0.39	0.26	0.49	1.10	0.15			1.65
Net Irr				0.13	3.32	5.45	5.82	4.89	1.21				20.82
Spring Grain				0.45	3.00	8.08	8.98	2.36					22.87
St Dev				0.08	0.60	0.95	0.59	1.22					1.25
Net Irr					2.13	7.59	8.53	1.96					20.21

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BROWNS PARK REFUGE

Aridity Index: 43%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.8, Long: -108.92, Elev: 5354 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.21	2.38	4.32	5.52	0.83				13.25
St Dev					0.04	0.15	0.20	0.98	1.04				1.72
Net Irr						1.89	3.87	5.11	0.13				11.00
Turfgrass				1.02	3.59	5.20	5.53	4.78	2.02	0.07			22.21
St Dev				0.14	0.32	0.34	0.23	0.37	1.05	0.19			1.46
Net Irr				0.46	2.71	4.71	5.08	4.38	1.32				18.66
Open Water Deep	0.51	0.51	1.37	2.27	2.94	3.71	4.16	3.91	2.50	1.81	1.13	0.63	25.47
St Dev	0.11	0.09	0.21	0.33	0.33	0.37	0.33	0.31	0.20	0.18	0.15	0.09	1.34
Net Evap	0.02	0.13	0.82	1.70	2.07	3.23	3.72	3.51	1.79	1.00	0.63	0.19	18.81
Open Water Shallow	0.75	1.17	2.54	3.70	4.83	5.57	5.88	5.24	3.81	2.41	1.21	0.73	37.83
St Dev	0.12	0.14	0.24	0.32	0.33	0.28	0.19	0.20	0.17	0.18	0.13	0.08	1.20
Net Evap	0.25	0.78	1.99	3.14	3.95	5.08	5.44	4.83	3.11	1.60	0.71	0.29	31.17
Wetlands Large						2.92	8.44	7.71	2.12	0.05			21.24
St Dev						0.41	0.49	1.86	1.96	0.19			3.24
Net ET						2.44	8.00	7.30	1.42				19.16
Wetlands Narrow						3.79	11.97	11.01	3.03	0.07			29.87
St Dev						0.55	0.72	2.65	2.80	0.27			4.63
Net ET						3.31	11.52	10.60	2.33				27.76
ETr	1.03	1.44	3.60	5.59	7.28	8.73	9.21	8.07	5.72	3.66	1.88	1.11	57.33
St Dev	0.20	0.23	0.44	0.63	0.65	0.57	0.39	0.40	0.33	0.38	0.27	0.18	2.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COLORADO NM

Aridity Index: 53%, Temp. Adj. (F): -8.5, Period: 1971-2008, Lat: 39.1, Long: -108.73, Elev: 5780 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.57	34.35	42.75	50.76	60.74	71.61	77.66	74.74	65.98	53.29	39.01	29.72	52.43
St Dev	5.16	3.54	3.88	3.72	3.42	3.40	2.75	2.16	2.71	3.02	3.78	3.51	1.63
Precip (in)	0.78	0.66	1.04	0.94	1.13	0.66	0.85	1.03	1.10	1.25	1.07	0.79	11.32
St Dev	0.50	0.48	0.62	0.90	1.01	0.78	0.73	0.71	0.82	0.86	0.82	0.60	2.68
Aridity Adj. (F)	1.06	1.01	1.43	1.96	2.92	3.60	3.02	2.97	3.02	2.76	1.91	1.27	2.24
Est. Dewpoint (F)	20.80	24.04	25.82	27.76	35.28	41.46	49.69	50.17	42.54	34.97	25.75	21.01	33.27
Rs (langley/day)	206	273	397	536	625	710	625	547	472	317	224	182	426
Wind (mpd)	84	97	124	138	124	118	110	101	105	96	95	81	106
Calc. Wind Limit (mpd)	96	96	102	129	119	113	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				1.26	5.20	6.35	6.86	5.50	2.59	0.24			27.99
St Dev				0.45	0.71	0.42	0.58	0.74	1.02	0.44			2.09
Net Irr				0.50	4.30	5.82	6.18	4.67	1.71				23.17
Alfalfa (Dairy)				1.26	5.15	6.18	6.00	4.96	2.75	0.22			26.51
St Dev				0.45	0.66	0.46	0.39	0.30	0.89	0.40			1.92
Net Irr				0.50	4.25	5.65	5.31	4.14	1.87				21.71
Corn					0.39	2.06	5.92	6.52	3.42	0.25			18.55
St Dev					0.08	0.39	1.02	0.39	1.05	0.41			1.81
Net Irr						1.53	5.23	5.70	2.54				15.00
Melon					0.34	3.02	5.19	4.24	1.77	0.08			14.64
St Dev					0.07	0.25	0.35	0.42	1.09	0.24			1.56
Net Irr						2.49	4.51	3.41	0.89				11.30
Other Hay				1.35	5.89	8.08	4.34	2.30	1.09	0.04			23.08
St Dev				0.50	0.68	0.49	0.45	0.13	0.18	0.07			1.27
Net Irr				0.60	4.98	7.55	3.65	1.47	0.21				18.46
Pasture				1.00	3.91	5.50	5.46	4.52	2.75	0.41			23.55
St Dev				0.18	0.37	0.38	0.37	0.29	0.63	0.46			1.65
Net Irr				0.25	3.01	4.97	4.77	3.69	1.87				18.56
Spring Grain				0.56	2.76	7.55	7.44	1.75	0.01				20.07
St Dev				0.14	0.71	0.97	0.86	1.16	0.03				1.33
Net Irr					1.86	7.02	6.76	0.92					16.55
Winter Wheat			0.30	1.19	2.80	7.48	6.22	0.74					18.74
St Dev			0.08	0.17	0.83	1.10	1.53	0.70					1.23
Net Irr				0.44	1.90	6.95	5.54						14.82

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: COLORADO NM

Aridity Index: 53%, Temp. Adj. (F): -8.5, Period: 1971-2008, Lat: 39.1, Long: -108.73, Elev: 5780 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden					0.51	2.38	4.22	5.24	1.92	0.04			14.31
St Dev					0.07	0.16	0.29	0.54	1.11	0.10			1.60
Net Irr						1.85	3.54	4.41	1.04				10.84
Small Fruit					0.33	2.85	6.49	6.38	2.37	0.10			18.52
St Dev					0.05	0.19	0.45	0.66	1.50	0.27			2.16
Net Irr						2.32	5.80	5.55	1.49				15.17
Turfgrass				1.29	3.24	4.85	4.82	4.00	2.67	0.48			21.35
St Dev				0.21	0.30	0.34	0.32	0.26	0.47	0.50			1.47
Net Irr				0.54	2.34	4.32	4.13	3.18	1.79				16.29
Open Water Deep	0.32	0.43	0.81	1.60	2.24	3.38	3.35	3.01	2.11	1.57	0.86	0.35	20.02
St Dev	0.09	0.11	0.18	0.25	0.29	0.37	0.35	0.26	0.22	0.24	0.17	0.08	1.54
Net Evap				0.84	1.33	2.85	2.67	2.19	1.23	0.57			11.67
Open Water Shallow	0.53	0.99	2.27	3.62	4.83	5.86	5.75	4.99	3.80	2.12	0.95	0.47	36.20
St Dev	0.11	0.15	0.27	0.32	0.34	0.32	0.30	0.24	0.23	0.22	0.14	0.08	1.72
Net Evap		0.46	1.43	2.87	3.92	5.33	5.07	4.16	2.92	1.13	0.09		27.39
Wetlands Large					0.10	3.97	7.92	7.01	4.12	0.34			23.46
St Dev					0.11	0.91	0.75	0.46	1.29	0.56			2.42
Net ET						3.44	7.23	6.18	3.24				20.09
Wetlands Narrow					0.11	5.31	11.28	10.01	5.89	0.49			33.09
St Dev					0.12	1.30	1.10	0.66	1.84	0.80			3.45
Net ET						4.78	10.60	9.18	5.01				29.56
ETr	0.34	0.90	2.56	4.50	6.23	8.09	8.03	6.67	4.86	2.65	1.03	0.33	46.18
St Dev	0.18	0.24	0.41	0.53	0.56	0.56	0.54	0.44	0.39	0.42	0.26	0.15	3.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CORTEZ

Aridity Index: 67%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 37.34, Long: -108.59, Elev: 6153 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.55	32.36	39.64	46.60	55.70	65.34	71.86	69.94	61.66	50.38	37.96	29.01	49.00
St Dev	4.64	3.54	2.93	2.80	2.75	2.56	2.37	1.76	2.35	2.51	3.01	3.20	1.68
Precip (in)	1.03	1.01	1.22	0.88	0.92	0.38	1.22	1.41	1.47	1.42	1.11	0.93	13.01
St Dev	0.88	0.75	1.14	0.69	0.76	0.42	0.76	0.82	0.90	1.28	0.83	0.80	3.12
Aridity Adj. (F)	1.34	1.27	1.81	2.48	3.69	4.56	3.82	3.75	3.82	3.48	2.41	1.61	2.84
Est. Dewpoint (F)	12.35	14.19	16.40	18.71	26.07	28.82	40.52	42.43	34.77	25.32	18.54	13.53	24.30
Rs (langley/day)	245	317	433	547	632	702	643	560	494	372	268	216	452
Wind (mpd)	101	113	129	140	115	106	93	88	93	101	100	101	107
Calc. Wind Limit (mpd)	96	96	108	131	105	100	96	96	96	96	96	96	101
.....Inches.....													
Alfalfa (Beef)				0.18	4.47	7.33	6.90	4.96	2.75	0.04			26.63
St Dev				0.06	0.53	0.42	0.80	0.48	1.23	0.11			2.01
Net Irr					3.73	7.03	5.92	3.83	1.57				22.08
Alfalfa (Dairy)				0.18	4.47	6.58	6.32	5.21	2.43	0.04			25.24
St Dev				0.06	0.53	0.35	0.34	0.25	1.39	0.12			1.78
Net Irr					3.73	6.28	5.35	4.09	1.25				20.69
Apples / Cherries					0.02	4.77	8.10	7.22	4.79	0.51			25.42
St Dev					0.04	0.24	0.42	0.32	1.14	0.77			1.93
Net Irr						4.47	7.12	6.10	3.61				21.29
Other Hay				0.17	5.01	8.58	6.35	2.66	1.34	0.11			24.22
St Dev				0.05	0.44	0.46	0.34	0.12	0.28	0.16			1.07
Net Irr					4.27	8.27	5.37	1.54	0.17				19.62
Other Orchard					0.03	4.49	7.65	6.67	4.42	0.47			23.73
St Dev					0.04	0.23	0.40	0.30	1.05	0.71			1.79
Net Irr						4.18	6.68	5.54	3.24				19.64
Pasture				0.12	3.13	5.57	5.66	4.71	2.79	0.25			22.22
St Dev				0.04	0.27	0.30	0.29	0.22	0.81	0.38			1.40
Net Irr					2.39	5.26	4.68	3.58	1.61				17.53
Sorghum						1.74	4.98	6.19	3.19	0.12			16.23
St Dev						0.09	0.28	0.29	1.43	0.31			1.73
Net Irr						1.44	4.00	5.07	2.01				12.52
Spring Grain				0.09	1.85	6.16	8.52	4.85	0.52				21.98
St Dev				0.03	0.36	0.97	0.43	1.21	0.47				0.78
Net Irr					1.11	5.85	7.54	3.73					18.23
Winter Wheat				1.15	2.17	6.19	8.24	2.94	0.15				20.84
St Dev				0.12	0.39	1.24	0.50	1.45	0.21				0.76
Net Irr				0.44	1.43	5.88	7.26	1.81					16.83

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CORTEZ

Aridity Index: 67%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 37.34, Long: -108.59, Elev: 6153 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.73	3.24	4.78	2.19				11.93
St Dev						0.09	0.17	0.28	1.17				1.26
Net Irr						1.42	2.26	3.66	1.01				8.34
Turfgrass				0.21	3.06	4.76	4.99	4.17	2.76	0.30			20.25
St Dev				0.06	0.26	0.25	0.25	0.19	0.66	0.45			1.25
Net Irr					2.32	4.45	4.01	3.04	1.58				15.41
Open Water Deep	0.89	0.97	1.40	2.08	2.29	3.28	3.47	3.09	2.37	2.20	1.42	0.94	24.40
St Dev	0.16	0.14	0.24	0.24	0.27	0.29	0.28	0.19	0.19	0.24	0.23	0.14	1.30
Net Evap	0.07	0.17	0.43	1.37	1.55	2.97	2.49	1.96	1.20	1.06	0.53	0.19	13.99
Open Water Shallow	1.00	1.46	2.69	3.79	4.78	5.61	5.74	5.03	3.96	2.66	1.42	0.90	39.06
St Dev	0.13	0.15	0.31	0.28	0.32	0.24	0.23	0.17	0.19	0.22	0.18	0.11	1.16
Net Evap	0.18	0.65	1.72	3.08	4.04	5.31	4.77	3.90	2.78	1.52	0.53	0.16	28.65
Wetlands Large						2.82	7.66	7.28	3.72	0.15			21.62
St Dev						0.26	0.44	0.34	1.67	0.37			2.13
Net ET						2.52	6.68	6.15	2.54				17.89
Wetlands Narrow						3.67	10.86	10.39	5.32	0.21			30.44
St Dev						0.35	0.64	0.49	2.38	0.52			3.04
Net ET						3.36	9.88	9.27	4.14				26.65
ETr	1.38	1.90	3.56	5.27	6.57	8.23	8.32	6.95	5.42	3.83	2.06	1.31	54.80
St Dev	0.24	0.26	0.54	0.50	0.55	0.44	0.42	0.31	0.33	0.43	0.37	0.23	2.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DINOSAUR NATL MONUMNT

Aridity Index: 83%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 40.24, Long: -108.97, Elev: 5920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.56	27.20	38.12	46.72	56.46	67.06	74.17	71.80	61.86	49.61	34.59	23.61	47.73
St Dev	6.42	5.27	3.62	3.34	3.04	3.11	2.23	1.86	2.33	2.54	3.57	4.43	1.67
Precip (in)	0.67	0.60	0.94	1.20	1.29	0.80	0.91	0.87	1.32	1.51	0.78	0.57	11.45
St Dev	0.50	0.34	0.70	0.74	0.86	0.72	0.70	0.59	0.83	1.08	0.59	0.42	2.69
Aridity Adj. (F)	1.66	1.58	2.24	3.07	4.57	5.64	4.73	4.65	4.73	4.32	2.99	1.99	3.51
Est. Dewpoint (F)	13.73	18.86	20.94	19.80	26.76	31.17	39.33	39.60	30.17	27.41	18.45	12.28	24.88
Rs (langleys/day)	197	290	401	507	589	673	646	575	473	336	218	166	423
Wind (mpd)	46	49	93	118	114	102	87	82	70	64	62	51	78
Calc. Wind Limit (mpd)	96	96	96	117	113	99	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)					2.80	6.98	6.39	4.87	1.68	0.01			22.73
St Dev					0.35	0.63	0.49	0.58	1.30	0.02			1.95
Net Irr					1.77	6.34	5.66	4.18	0.62				18.57
Alfalfa (Dairy)					2.80	6.45	6.26	4.92	1.11	0.01			21.56
St Dev					0.35	0.51	0.35	0.93	0.88	0.03			1.53
Net Irr					1.77	5.82	5.54	4.23	0.06				17.40
Barley					1.13	5.01	8.40	4.87	0.29				19.71
St Dev					0.20	0.98	0.47	1.16	0.39				1.00
Net Irr					0.10	4.38	7.67	4.17					16.32
Corn						1.39	4.09	6.41	2.18	0.02			14.09
St Dev						0.18	0.82	0.76	1.36	0.08			2.04
Net Irr						0.76	3.36	5.72	1.12				10.95
Other Hay					2.99	7.73	7.71	2.99	1.04	0.02			22.47
St Dev					0.30	0.65	0.37	0.26	0.39	0.05			1.14
Net Irr					1.96	7.09	6.98	2.29					18.31
Pasture					1.83	5.01	5.60	4.61	1.83	0.04			18.92
St Dev					0.17	0.41	0.28	0.50	0.79	0.10			1.25
Net Irr					0.80	4.38	4.88	3.91	0.77				14.74
Sorghum						1.78	5.18	6.00	1.93	0.02			14.90
St Dev						0.19	0.36	0.81	1.28	0.07			1.85
Net Irr						1.14	4.45	5.30	0.88				11.77
Spring Grain					1.11	4.75	8.37	5.61	0.63				20.46
St Dev					0.19	0.94	0.50	1.00	0.57				1.13
Net Irr					0.08	4.11	7.64	4.92					16.74

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: DINOSAUR NATL MONUMNT

Aridity Index: 83%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 40.24, Long: -108.97, Elev: 5920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.75	3.34	4.75	1.03				10.87
St Dev						0.15	0.18	0.51	0.99				1.41
Net Irr						1.11	2.62	4.06					7.78
Turfgrass					2.13	4.15	4.95	4.10	1.87	0.05			17.25
St Dev					0.19	0.34	0.25	0.39	0.74	0.13			1.10
Net Irr					1.10	3.51	4.22	3.41	0.81				13.05
Open Water Deep	0.14	0.13	0.66	1.56	2.15	2.92	3.37	3.04	1.84	1.10	0.59	0.26	17.76
St Dev	0.05	0.05	0.14	0.25	0.25	0.35	0.25	0.20	0.16	0.16	0.12	0.06	1.04
Net Evap				0.60	1.12	2.29	2.64	2.35	0.78				9.78
Open Water Shallow	0.44	0.83	2.08	3.31	4.40	5.31	5.73	5.09	3.63	2.07	0.88	0.43	34.19
St Dev	0.09	0.14	0.25	0.33	0.28	0.35	0.22	0.20	0.21	0.21	0.14	0.08	1.30
Net Evap		0.34	1.33	2.35	3.36	4.67	5.01	4.39	2.57	0.87	0.26		25.15
Wetlands Large						1.76	6.83	7.02	2.25	0.02			17.88
St Dev						0.60	0.82	0.94	1.50	0.09			2.53
Net ET						1.12	6.10	6.33	1.20				14.74
Wetlands Narrow						2.23	9.60	10.03	3.22	0.03			25.11
St Dev						0.79	1.21	1.35	2.14	0.12			3.62
Net ET						1.60	8.87	9.34	2.16				21.97
ETr	0.35	0.72	2.37	4.42	6.05	7.64	8.24	7.00	4.73	2.50	1.00	0.44	45.47
St Dev	0.11	0.17	0.37	0.56	0.49	0.63	0.41	0.37	0.34	0.34	0.22	0.12	2.34

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FRUITA

Aridity Index: 94%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.17, Long: -108.73, Elev: 4504 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.49	32.69	42.66	50.29	59.99	69.12	75.48	73.21	63.53	51.33	38.25	27.82	50.82
St Dev	6.76	4.81	2.75	3.16	2.53	2.54	2.57	2.11	2.30	2.20	2.78	3.71	1.63
Precip (in)	0.71	0.58	0.95	0.75	0.89	0.50	0.72	0.82	0.86	1.04	0.74	0.66	9.22
St Dev	0.51	0.47	0.56	0.56	0.80	0.56	0.54	0.58	0.73	0.81	0.50	0.49	2.48
Aridity Adj. (F)	1.88	1.79	2.54	3.48	5.17	6.39	5.36	5.26	5.36	4.89	3.38	2.26	3.98
Est. Dewpoint (F)	13.83	18.34	21.10	22.32	28.86	32.00	41.62	43.02	33.27	26.04	19.33	14.79	26.21
Rs (langley/day)	201	289	369	503	598	693	635	527	442	309	210	171	412
Wind (mpd)	84	97	124	138	124	118	110	100	104	96	94	81	106
Calc. Wind Limit (mpd)	96	96	102	129	119	113	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)			0.02	3.26	7.37	8.24	7.59	6.99	4.37	0.33			38.16
St Dev			0.08	1.06	0.58	0.96	0.44	0.61	1.54	0.59			2.86
Net Irr				2.66	6.66	7.84	7.01	6.34	3.69				34.19
Alfalfa (Dairy)			0.02	3.26	6.74	7.66	7.54	6.45	3.75	0.35			35.77
St Dev			0.08	1.06	0.50	0.45	0.49	0.37	1.32	0.68			2.55
Net Irr				2.66	6.03	7.26	6.96	5.79	3.06				31.77
Corn					1.23	4.65	9.40	7.30	2.38	0.02			24.99
St Dev					0.31	1.18	0.84	0.58	1.19	0.06			1.14
Net Irr					0.53	4.25	8.83	6.64	1.70				21.94
Melon					1.30	5.40	6.49	5.54	2.66	0.01			21.40
St Dev					0.39	0.67	0.36	0.30	1.11	0.04			1.66
Net Irr					0.60	5.00	5.91	4.88	1.97				18.36
Other Hay			0.02	3.44	8.40	9.06	4.42	2.70	1.17	0.02			29.23
St Dev			0.07	1.14	0.80	0.86	0.55	0.20	0.34	0.06			1.44
Net Irr				2.84	7.69	8.67	3.84	2.04	0.48				25.57
Pasture			0.12	2.91	5.60	6.83	6.79	5.78	3.90	1.01			32.95
St Dev			0.13	0.68	0.48	0.42	0.37	0.32	0.88	0.87			2.27
Net Irr				2.31	4.90	6.43	6.21	5.12	3.21	0.18			28.36
Spring Grain			0.03	1.61	6.03	10.26	5.91	0.20					24.03
St Dev			0.07	0.57	1.30	0.67	1.76	0.39					0.70
Net Irr				1.01	5.32	9.86	5.33						21.52
Winter Wheat		0.01	0.93	2.32	6.68	9.80	2.90	0.02					22.66
St Dev		0.03	0.25	0.53	1.41	0.63	1.79	0.09					0.60
Net Irr			0.17	1.72	5.97	9.40	2.32						19.58

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FRUITA

Aridity Index: 94%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 39.17, Long: -108.73, Elev: 4504 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.77	3.97	6.92	6.74	1.84				21.24
St Dev					0.17	0.26	0.41	0.36	0.65				1.16
Net Irr					1.06	3.58	6.34	6.08	1.16				18.21
Small Fruit					1.41	5.80	9.52	8.09	3.39				28.21
St Dev					0.24	0.59	0.59	0.48	1.39				2.13
Net Irr					0.71	5.40	8.94	7.43	2.71				25.18
Turfgrass			0.20	2.90	4.77	6.02	5.99	5.13	3.73	1.16			29.90
St Dev			0.22	0.48	0.44	0.37	0.33	0.26	0.71	0.94			1.98
Net Irr				2.30	4.06	5.63	5.41	4.47	3.04	0.33			25.24
Open Water Deep	0.97	1.28	2.00	3.19	4.10	5.27	5.49	5.24	3.79	2.99	1.92	1.04	37.27
St Dev	0.24	0.23	0.28	0.41	0.45	0.46	0.48	0.38	0.31	0.29	0.26	0.17	2.02
Net Evap	0.41	0.81	1.24	2.59	3.39	4.87	4.91	4.58	3.10	2.16	1.33	0.51	29.90
Open Water Shallow	0.94	1.54	2.83	4.19	5.38	6.24	6.34	5.46	4.15	2.67	1.45	0.88	42.07
St Dev	0.19	0.21	0.27	0.34	0.34	0.29	0.27	0.21	0.22	0.21	0.16	0.12	1.32
Net Evap	0.37	1.08	2.07	3.59	4.67	5.84	5.76	4.80	3.47	1.83	0.86	0.36	34.69
Wetlands Large					0.70	6.57	10.30	8.98	5.78	0.68			33.01
St Dev					0.52	1.21	0.66	0.45	1.52	1.18			3.41
Net ET						6.17	9.72	8.32	5.09				29.30
Wetlands Narrow					0.85	9.04	14.71	12.83	8.26	0.98			46.65
St Dev					0.65	1.80	0.94	0.65	2.17	1.69			4.86
Net ET					0.14	8.64	14.13	12.17	7.57	0.14			42.79
ETr	1.42	2.22	4.30	6.55	8.35	10.04	9.99	8.55	6.65	4.56	2.55	1.43	66.60
St Dev	0.34	0.42	0.56	0.68	0.69	0.62	0.55	0.43	0.47	0.52	0.40	0.27	2.63

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GATEWAY

Aridity Index: 37%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.68, Long: -108.97, Elev: 4550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.33	37.12	45.99	53.43	62.34	71.52	77.45	75.10	66.74	54.68	41.82	32.05	54.05
St Dev	5.81	4.15	3.37	3.58	2.92	2.96	2.16	2.09	2.11	2.31	2.57	3.07	1.55
Precip (in)	0.83	0.66	1.16	1.07	0.93	0.53	1.06	1.33	1.19	1.20	0.94	0.70	11.61
St Dev	0.73	0.54	0.82	0.74	0.87	0.53	0.82	1.03	1.13	1.06	0.57	0.52	2.48
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	19.40	22.73	27.01	28.98	36.05	40.45	50.15	51.92	43.39	34.56	25.88	20.56	33.42
Rs (langley/day)	196	260	369	489	575	652	595	515	441	302	211	176	398
Wind (mpd)	100	109	137	157	138	126	107	102	106	106	106	100	116
Calc. Wind Limit (mpd)	96	96	122	132	132	124	96	96	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)			0.02	3.40	6.98	8.54	6.89	6.06	5.01	1.18	0.02		38.09
St Dev			0.09	0.87	0.64	0.99	0.39	0.53	0.81	1.07	0.11		2.43
Net Irr				2.55	6.24	8.11	6.04	5.00	4.05	0.22			32.20
Alfalfa (Dairy)			0.02	3.40	6.38	7.37	6.93	5.85	4.36	1.30	0.02		35.63
St Dev			0.09	0.87	0.54	0.46	0.44	0.34	0.72	1.12	0.09		2.35
Net Irr				2.55	5.64	6.95	6.08	4.79	3.41	0.34			29.74
Corn					1.33	5.14	8.80	5.78	1.03	0.01			22.10
St Dev					0.32	1.20	0.60	0.90	1.08	0.07			1.49
Net Irr					0.59	4.71	7.95	4.72	0.08				18.05
Melon					1.46	5.50	5.95	5.03	3.14	0.03			21.10
St Dev					0.45	0.68	0.33	0.28	0.56	0.09			1.08
Net Irr					0.72	5.07	5.10	3.96	2.19				17.04
Other Hay			0.02	3.50	8.33	8.72	3.91	2.41	1.04	0.01			27.94
St Dev			0.09	0.91	0.71	0.81	0.35	0.18	0.27	0.02			1.42
Net Irr				2.64	7.58	8.30	3.06	1.35	0.09				23.02
Pasture			0.16	2.92	5.53	6.69	6.23	5.25	3.91	1.67	0.11		32.47
St Dev			0.18	0.56	0.45	0.44	0.35	0.29	0.50	0.81	0.24		1.93
Net Irr				2.07	4.79	6.26	5.38	4.19	2.96	0.71			26.35
Spring Grain			0.04	1.77	6.61	9.91	3.50	0.04					21.87
St Dev			0.07	0.54	1.08	0.63	1.65	0.16					1.22
Net Irr				0.91	5.87	9.49	2.65						18.92
Winter Wheat		0.01	0.97	2.57	7.29	8.46	1.25						20.56
St Dev		0.04	0.24	0.65	1.14	1.27	1.21						1.20
Net Irr			0.05	1.72	6.55	8.03	0.40						16.74

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GATEWAY

Aridity Index: 37%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.68, Long: -108.97, Elev: 4550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.22	2.22	4.69	7.01	5.47	1.18				20.78
St Dev				0.20	0.28	0.59	0.58	0.48	0.47				1.00
Net Irr					1.48	4.26	6.16	4.41	0.23				16.53
Small Fruit				0.03	1.82	6.40	8.92	7.30	3.54				28.00
St Dev				0.06	0.47	0.92	0.60	0.41	0.78				1.38
Net Irr					1.08	5.97	8.07	6.24	2.59				23.94
Turfgrass			0.26	2.85	4.72	5.90	5.49	4.64	3.59	1.78	0.13		29.36
St Dev			0.27	0.39	0.40	0.39	0.31	0.26	0.37	0.78	0.29		1.68
Net Irr				1.99	3.98	5.47	4.64	3.58	2.64	0.82			23.12
Open Water Deep	1.09	1.28	2.17	3.07	4.28	5.70	4.98	4.55	3.47	2.88	1.88	1.17	36.52
St Dev	0.24	0.20	0.32	0.39	0.47	0.53	0.40	0.28	0.27	0.33	0.26	0.17	1.57
Net Evap	0.43	0.75	1.24	2.22	3.54	5.27	4.13	3.49	2.51	1.91	1.12	0.61	27.23
Open Water Shallow	0.95	1.48	2.88	4.14	5.35	6.18	6.07	5.31	4.17	2.62	1.42	0.90	41.47
St Dev	0.17	0.18	0.27	0.31	0.34	0.31	0.27	0.21	0.23	0.24	0.17	0.12	1.24
Net Evap	0.28	0.95	1.95	3.29	4.61	5.75	5.22	4.25	3.21	1.66	0.67	0.34	32.18
Wetlands Large					0.78	6.65	9.50	8.12	6.11	2.10	0.05		33.32
St Dev					0.46	1.07	0.59	0.46	0.77	1.52	0.18		3.07
Net ET					0.03	6.23	8.65	7.06	5.16	1.14			28.27
Wetlands Narrow					0.94	9.19	13.57	11.60	8.73	3.00	0.07		47.11
St Dev					0.58	1.57	0.85	0.65	1.11	2.18	0.26		4.37
Net ET					0.19	8.77	12.72	10.54	7.78	2.04			42.03
ETr	1.38	2.13	4.27	6.24	8.20	9.83	9.16	7.73	6.11	4.13	2.32	1.39	62.89
St Dev	0.33	0.36	0.54	0.61	0.68	0.65	0.51	0.44	0.47	0.55	0.41	0.29	2.77

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRAND JUNCTION 6 ESE

Aridity Index: 10%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.04, Long: -108.47, Elev: 4760 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.16	35.03	44.70	52.58	62.02	72.33	78.30	75.70	66.69	54.20	40.34	30.00	53.34
St Dev	5.96	4.55	3.14	3.34	2.69	2.76	2.14	1.86	2.11	2.53	2.90	3.67	1.52
Precip (in)	0.51	0.47	0.87	0.88	0.98	0.48	0.73	0.76	0.99	0.98	0.80	0.55	9.00
St Dev	0.33	0.38	0.65	0.69	0.75	0.51	0.53	0.52	0.73	0.84	0.59	0.47	2.38
Aridity Adj. (F)	0.20	0.19	0.27	0.37	0.55	0.68	0.57	0.56	0.57	0.52	0.36	0.24	0.42
Est. Dewpoint (F)	19.58	23.54	28.12	31.42	38.84	45.31	53.68	54.81	46.48	37.45	27.67	21.13	35.67
Rs (langleys/day)	193	267	377	504	592	694	619	529	449	313	213	174	410
Wind (mpd)	87	100	126	139	125	121	116	107	111	100	98	83	109
Calc. Wind Limit (mpd)	96	96	102	129	120	115	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)			0.01	2.71	6.41	7.98	6.79	6.06	4.78	0.98	0.02		35.74
St Dev			0.03	0.81	0.40	0.96	0.29	0.46	0.70	0.85	0.07		1.83
Net Irr				2.00	5.62	7.60	6.20	5.45	3.99	0.20			31.07
Alfalfa (Dairy)			0.01	2.71	5.84	7.11	6.86	5.71	4.09	1.10	0.01		33.44
St Dev			0.03	0.81	0.33	0.38	0.37	0.31	0.57	0.98	0.03		1.82
Net Irr				2.00	5.06	6.73	6.27	5.10	3.30	0.32			28.78
Corn					1.15	4.67	8.65	5.51	0.91	0.01			20.89
St Dev					0.27	1.20	0.50	0.96	0.87	0.06			0.74
Net Irr					0.36	4.29	8.06	4.90	0.11				17.73
Melon					1.24	5.14	5.88	4.90	2.99	0.03			20.20
St Dev					0.37	0.65	0.27	0.23	0.53	0.14			1.07
Net Irr					0.46	4.76	5.30	4.29	2.20				17.01
Other Hay			0.01	2.78	7.45	8.60	4.06	2.41	1.06	0.02			26.39
St Dev			0.03	0.85	0.61	0.72	0.48	0.16	0.24	0.05			1.10
Net Irr				2.08	6.67	8.22	3.47	1.80	0.26				22.50
Pasture			0.08	2.41	4.98	6.38	6.16	5.12	3.65	1.52	0.08		30.38
St Dev			0.12	0.54	0.36	0.38	0.29	0.24	0.49	0.75	0.19		1.70
Net Irr				1.70	4.20	6.00	5.57	4.51	2.86	0.74			25.58
Spring Grain			0.01	1.38	5.65	9.50	3.63	0.02					20.19
St Dev			0.05	0.45	1.05	0.51	1.59	0.07					0.37
Net Irr				0.67	4.86	9.12	3.04						17.70
Winter Wheat			0.71	2.00	6.18	8.51	1.41						18.82
St Dev			0.20	0.46	1.13	0.84	1.15						0.37
Net Irr			0.02	1.29	5.39	8.13	0.83						15.67

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRAND JUNCTION 6 ESE

Aridity Index: 10%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 39.04, Long: -108.47, Elev: 4760 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.15	1.95	4.35	6.82	5.46	1.25				19.98
St Dev				0.14	0.27	0.56	0.54	0.36	0.50				0.85
Net Irr					1.17	3.96	6.24	4.85	0.45				16.67
Small Fruit				0.01	1.56	5.92	8.75	7.15	3.46	0.01			26.85
St Dev				0.03	0.42	0.89	0.52	0.33	0.69	0.07			1.37
Net Irr					0.77	5.53	8.17	6.54	2.66				23.68
Turfgrass			0.13	2.44	4.23	5.63	5.43	4.53	3.34	1.62	0.10		27.44
St Dev			0.18	0.40	0.33	0.33	0.25	0.21	0.33	0.72	0.22		1.47
Net Irr				1.73	3.44	5.25	4.85	3.92	2.55	0.84			22.57
Open Water Deep	0.73	0.95	1.48	2.52	3.49	4.99	4.70	4.27	3.10	2.50	1.51	0.75	31.01
St Dev	0.15	0.17	0.23	0.33	0.36	0.48	0.37	0.29	0.25	0.29	0.23	0.13	1.53
Net Evap	0.32	0.57	0.78	1.82	2.71	4.61	4.12	3.66	2.31	1.72	0.87	0.31	23.80
Open Water Shallow	0.76	1.30	2.65	4.02	5.27	6.39	6.24	5.38	4.13	2.54	1.25	0.71	40.65
St Dev	0.12	0.16	0.25	0.31	0.29	0.31	0.24	0.20	0.20	0.21	0.15	0.10	1.13
Net Evap	0.36	0.93	1.96	3.31	4.49	6.01	5.65	4.77	3.34	1.76	0.62	0.27	33.45
Wetlands Large					0.66	6.23	9.36	7.92	5.78	1.93	0.02		31.91
St Dev					0.39	1.03	0.50	0.38	0.70	1.43	0.10		2.41
Net ET						5.84	8.78	7.31	4.99	1.15			28.07
Wetlands Narrow					0.79	8.59	13.37	11.31	8.26	2.76	0.03		45.11
St Dev					0.49	1.53	0.72	0.54	1.00	2.04	0.14		3.43
Net ET						8.20	12.79	10.70	7.47	1.98			41.14
ETr	0.92	1.62	3.45	5.53	7.43	9.39	9.05	7.54	5.68	3.60	1.78	0.88	56.88
St Dev	0.19	0.26	0.42	0.52	0.51	0.56	0.42	0.36	0.35	0.40	0.29	0.18	1.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRAND JUNCTION WALKER

Aridity Index: 99%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.13, Long: -108.54, Elev: 4858 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.02	34.59	44.18	52.22	61.93	72.69	78.86	76.24	66.78	53.99	39.40	28.90	53.07
St Dev	6.61	4.72	2.93	3.11	2.39	2.74	1.89	1.83	2.47	2.47	2.57	4.19	1.30
Precip (in)	0.62	0.54	0.94	0.86	0.91	0.43	0.65	0.89	1.04	1.02	0.75	0.57	9.21
St Dev	0.41	0.36	0.59	0.58	0.61	0.45	0.51	0.56	0.82	0.81	0.48	0.43	2.11
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	17.41	22.11	25.14	27.05	33.18	38.56	48.39	49.83	41.04	32.82	23.69	18.35	31.47
Rs (langley/day)	196	274	374	500	583	682	616	526	436	307	205	171	406
Wind (mpd)	87	100	126	139	125	121	115	106	110	100	98	83	109
Calc. Wind Limit (mpd)	96	96	102	129	120	114	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)				2.41	6.59	7.16	6.94	6.37	4.21	0.86			34.56
St Dev				0.78	0.63	0.60	0.39	0.41	1.02	0.77			1.88
Net Irr				1.73	5.86	6.82	6.42	5.66	3.38	0.05			29.92
Alfalfa (Dairy)				2.41	6.06	7.06	6.76	5.61	3.75	0.77	0.01		32.44
St Dev				0.78	0.45	0.43	0.36	0.32	0.80	0.75	0.06		1.74
Net Irr				1.73	5.34	6.72	6.24	4.90	2.92				27.84
Corn					0.97	3.52	8.14	6.62	2.82	0.29			22.37
St Dev					0.26	0.89	0.73	0.43	1.07	0.39			0.99
Net Irr					0.24	3.18	7.62	5.92	1.99				18.95
Melon					1.01	4.71	5.83	4.86	2.94	0.06			19.40
St Dev					0.35	0.68	0.27	0.22	0.66	0.21			1.08
Net Irr					0.28	4.37	5.31	4.15	2.10				16.21
Other Hay				2.55	7.24	8.57	4.19	2.43	1.10	0.03			26.10
St Dev				0.85	0.70	0.70	0.58	0.16	0.24	0.07			1.15
Net Irr				1.86	6.51	8.23	3.67	1.72	0.26				22.25
Pasture			0.06	2.30	4.87	6.22	6.10	5.07	3.44	1.03	0.02		29.09
St Dev			0.10	0.58	0.42	0.37	0.28	0.23	0.57	0.75	0.07		1.63
Net Irr				1.61	4.14	5.88	5.58	4.36	2.60	0.21			24.38
Spring Grain			0.01	1.18	4.79	9.31	5.96	0.22					21.46
St Dev			0.03	0.38	1.00	0.64	1.36	0.32					0.57
Net Irr				0.49	4.06	8.97	5.44						18.95
Winter Wheat			0.69	1.80	5.26	9.17	3.28	0.02					20.23
St Dev			0.21	0.32	1.08	0.52	1.54	0.08					0.56
Net Irr				1.11	4.53	8.83	2.76						17.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRAND JUNCTION WALKER

Aridity Index: 99%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.13, Long: -108.54, Elev: 4858 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.63	3.72	6.31	5.84	1.78				19.27
St Dev					0.22	0.32	0.40	0.27	0.40				0.69
Net Irr					0.90	3.38	5.79	5.13	0.94				16.13
Small Fruit					1.26	5.29	8.52	7.15	3.64	0.03			25.89
St Dev					0.32	0.73	0.52	0.32	0.81	0.14			1.27
Net Irr					0.53	4.95	8.00	6.44	2.80				22.72
Turfgrass			0.09	2.38	4.12	5.48	5.38	4.48	3.22	1.14	0.03		26.32
St Dev			0.16	0.45	0.37	0.33	0.25	0.20	0.41	0.76	0.10		1.41
Net Irr				1.69	3.39	5.14	4.86	3.77	2.39	0.32			21.57
Open Water Deep	0.73	0.97	1.52	2.56	3.37	4.70	4.64	4.24	3.02	2.38	1.47	0.76	30.35
St Dev	0.17	0.19	0.23	0.33	0.35	0.45	0.33	0.26	0.27	0.29	0.21	0.13	1.32
Net Evap	0.23	0.54	0.76	1.87	2.64	4.36	4.12	3.53	2.19	1.56	0.87	0.31	22.98
Open Water Shallow	0.76	1.33	2.62	3.94	5.05	6.09	6.09	5.25	3.93	2.43	1.21	0.70	39.39
St Dev	0.14	0.20	0.26	0.30	0.31	0.29	0.23	0.19	0.22	0.23	0.15	0.10	1.09
Net Evap	0.27	0.90	1.86	3.25	4.33	5.75	5.57	4.54	3.09	1.61	0.61	0.24	32.02
Wetlands Large					0.38	5.39	9.13	7.85	5.47	1.48	0.01		29.72
St Dev					0.29	1.04	0.55	0.35	0.84	1.23	0.08		2.24
Net ET						5.05	8.61	7.14	4.64	0.66			26.10
Wetlands Narrow					0.45	7.35	13.02	11.21	7.82	2.11	0.02		41.98
St Dev					0.36	1.52	0.80	0.51	1.20	1.76	0.11		3.20
Net ET						7.01	12.50	10.50	6.98	1.30			38.30
ETr	0.93	1.66	3.50	5.57	7.29	9.14	8.97	7.47	5.54	3.50	1.78	0.91	56.26
St Dev	0.22	0.33	0.45	0.54	0.57	0.54	0.41	0.34	0.38	0.42	0.31	0.19	2.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LITTLE HILLS

Aridity Index: 43%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40, Long: -108.2, Elev: 6140 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	19.52	24.33	33.55	40.82	50.30	58.30	65.88	64.10	54.37	43.25	31.31	22.13	42.32
St Dev	6.46	4.11	2.97	3.09	3.24	2.72	2.69	2.64	1.85	2.15	3.09	4.34	1.34
Precip (in)	1.22	1.00	1.51	1.26	1.72	1.27	0.97	1.08	0.94	1.28	1.25	1.39	14.91
St Dev	0.96	0.62	0.85	0.76	1.30	1.17	0.92	1.06	0.73	0.99	0.86	1.09	3.59
Aridity Adj. (F)	0.86	0.82	1.16	1.59	2.37	2.92	2.45	2.41	2.45	2.24	1.55	1.03	1.82
Est. Dewpoint (F)	6.37	10.61	13.61	13.43	20.49	22.16	30.53	31.12	21.21	17.74	11.16	6.80	17.10
Rs (langleys/day)	210	284	354	499	610	666	609	506	418	295	205	174	403
Wind (mpd)	60	66	107	129	121	111	98	91	85	77	74	61	90
Calc. Wind Limit (mpd)	96	96	96	119	113	101	96	96	96	96	96	96	100
.....Inches.....													
Alfalfa (Beef)					3.26	7.92	7.13	4.86	0.73				23.90
St Dev					0.46	0.69	1.07	1.36	0.98				2.68
Net Irr					1.89	6.90	6.36	3.99					19.13
Alfalfa (Dairy)					3.26	7.17	6.94	4.78	0.50				22.66
St Dev					0.46	0.47	0.98	2.03	0.69				3.00
Net Irr					1.89	6.16	6.16	3.91					18.12
Barley					1.37	5.90	9.44	4.90	0.16				21.77
St Dev					0.30	1.15	0.84	1.70	0.33				1.90
Net Irr						4.88	8.67	4.03					17.58
Corn						1.18	4.52	7.19	1.22				14.12
St Dev						0.11	0.77	1.18	1.37				2.27
Net Irr						0.16	3.75	6.32	0.48				10.71
Other Hay					3.42	8.70	8.82	3.52	0.81	0.01			25.28
St Dev					0.38	0.70	0.57	0.35	0.54	0.02			1.46
Net Irr					2.05	7.68	8.05	2.65	0.06				20.49
Pasture					2.08	5.64	6.29	5.12	1.27	0.01			20.40
St Dev					0.23	0.45	0.58	1.05	1.03	0.04			2.15
Net Irr					0.70	4.62	5.51	4.25	0.52				15.61
Sorghum						1.45	4.80	6.57	1.12				13.95
St Dev						0.11	0.33	1.11	1.25				2.01
Net Irr						0.43	4.03	5.70	0.37				10.54
Spring Grain					1.33	5.58	9.42	5.67	0.36				22.36
St Dev					0.28	1.10	0.87	1.76	0.54				2.26
Net Irr						4.57	8.64	4.80					18.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LITTLE HILLS

Aridity Index: 43%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40, Long: -108.2, Elev: 6140 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.45	3.30	5.18	0.65				10.58
St Dev						0.11	0.22	0.34	0.70				0.86
Net Irr						0.44	2.52	4.31					7.27
Turfgrass					2.47	4.66	5.55	4.63	1.38	0.01			18.69
St Dev					0.27	0.37	0.49	0.93	1.00	0.05			1.93
Net Irr					1.09	3.64	4.78	3.76	0.63				13.90
Open Water Deep	0.57	0.61	1.28	2.16	2.95	3.66	4.53	4.28	2.86	1.97	1.26	0.69	26.81
St Dev	0.14	0.10	0.21	0.28	0.39	0.38	0.43	0.41	0.20	0.21	0.19	0.10	1.67
Net Evap			0.08	1.15	1.57	2.64	3.76	3.42	2.11	0.94	0.25		15.91
Open Water Shallow	0.81	1.18	2.28	3.57	4.87	5.45	5.73	4.93	3.62	2.26	1.22	0.77	36.67
St Dev	0.15	0.14	0.25	0.31	0.37	0.34	0.27	0.22	0.18	0.18	0.15	0.09	1.52
Net Evap		0.38	1.07	2.56	3.49	4.43	4.95	4.06	2.87	1.23	0.21		25.26
Wetlands Large						1.47	7.29	7.47	1.27				17.50
St Dev						0.24	0.61	1.93	1.47				2.85
Net ET						0.46	6.52	6.60	0.52				14.09
Wetlands Narrow						1.83	10.20	10.67	1.81				24.51
St Dev						0.31	0.88	2.75	2.11				4.07
Net ET						0.81	9.43	9.80	1.06				21.10
ETr	1.18	1.59	3.37	5.36	7.31	8.65	9.34	8.08	6.06	3.82	2.11	1.24	58.12
St Dev	0.27	0.26	0.49	0.60	0.73	0.70	0.60	0.50	0.46	0.45	0.37	0.20	3.36

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MASSADONA 3E

Aridity Index: 59%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 40.28, Long: -108.6, Elev: 6190 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.89	26.81	37.08	44.62	55.00	64.63	72.09	69.61	59.70	47.73	33.82	22.87	46.32
St Dev	4.91	3.85	3.15	3.21	2.65	3.07	2.71	2.25	2.53	2.65	3.73	4.01	1.35
Precip (in)	1.03	0.98	1.22	1.21	1.30	0.99	0.75	0.90	1.27	1.41	1.24	1.01	13.32
St Dev	0.64	0.48	0.83	0.93	1.05	0.95	0.73	0.84	0.93	1.01	0.74	0.91	2.72
Aridity Adj. (F)	1.18	1.12	1.59	2.18	3.25	4.01	3.36	3.30	3.36	3.07	2.12	1.42	2.50
Est. Dewpoint (F)	14.44	18.76	20.75	19.93	28.19	32.53	40.10	40.28	31.27	27.35	18.59	12.39	25.38
Rs (langley/day)	190	279	399	498	590	661	643	566	463	328	210	157	415
Wind (mpd)	45	49	92	116	110	99	85	79	69	64	61	50	76
Calc. Wind Limit (mpd)	96	96	96	113	107	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)				0.16	3.73	6.48	6.28	4.65	2.09	0.01			23.39
St Dev				0.11	0.56	0.44	0.62	0.54	1.16	0.05			1.84
Net Irr					2.69	5.69	5.68	3.93	1.07				19.05
Alfalfa (Dairy)				0.16	3.73	5.93	5.96	4.88	1.49	0.03			22.17
St Dev				0.11	0.56	0.39	0.41	0.33	1.01	0.10			1.42
Net Irr					2.69	5.13	5.36	4.16	0.48				17.81
Barley				0.10	1.56	5.18	8.01	4.48	0.35				19.67
St Dev				0.04	0.33	0.99	0.55	1.08	0.44				0.77
Net Irr					0.52	4.38	7.41	3.76					16.07
Corn						1.41	3.59	5.95	2.66	0.05			13.65
St Dev						0.17	0.84	0.81	1.18	0.15			1.73
Net Irr						0.61	2.99	5.23	1.65				10.48
Other Hay				0.15	4.27	7.40	6.01	2.53	1.01	0.06			21.43
St Dev				0.10	0.56	0.59	0.53	0.16	0.33	0.10			1.24
Net Irr					3.23	6.60	5.41	1.81					17.06
Pasture				0.14	2.79	4.82	5.32	4.43	2.04	0.14			19.68
St Dev				0.04	0.28	0.38	0.36	0.27	0.83	0.25			1.30
Net Irr					1.75	4.02	4.73	3.71	1.03				15.24
Sorghum						1.89	5.27	5.88	2.29	0.04			15.37
St Dev						0.21	0.42	0.39	1.12	0.14			1.37
Net Irr						1.09	4.67	5.15	1.28				12.20
Spring Grain				0.10	1.50	4.91	7.99	5.31	0.77				20.59
St Dev				0.04	0.31	0.97	0.58	0.80	0.61				0.84
Net Irr					0.46	4.11	7.40	4.59					16.56

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MASSADONA 3E

Aridity Index: 59%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 40.28, Long: -108.6, Elev: 6190 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.82	3.39	4.64	1.23				11.08
St Dev						0.14	0.22	0.48	1.05				1.27
Net Irr						1.03	2.79	3.92	0.22				7.95
Turfgrass				0.23	2.67	4.13	4.70	3.94	2.03	0.18			17.89
St Dev				0.07	0.26	0.32	0.31	0.24	0.71	0.29			1.15
Net Irr					1.63	3.34	4.10	3.22	1.02				13.31
Open Water Deep	0.15	0.14	0.63	1.35	1.91	2.60	3.07	2.75	1.66	1.04	0.57	0.24	16.13
St Dev	0.06	0.04	0.13	0.22	0.25	0.31	0.32	0.24	0.17	0.16	0.13	0.06	1.09
Net Evap				0.38	0.87	1.81	2.48	2.03	0.65				8.21
Open Water Shallow	0.46	0.81	2.06	3.16	4.34	5.14	5.64	4.94	3.50	2.01	0.86	0.41	33.32
St Dev	0.13	0.11	0.22	0.33	0.34	0.33	0.31	0.25	0.24	0.22	0.16	0.09	1.31
Net Evap		0.03	1.08	2.19	3.30	4.35	5.04	4.21	2.49	0.88			23.56
Wetlands Large						1.69	6.55	6.87	2.67	0.05			17.83
St Dev						0.65	0.87	0.46	1.31	0.16			2.06
Net ET						0.90	5.95	6.15	1.66				14.66
Wetlands Narrow						2.15	9.22	9.81	3.82	0.07			25.07
St Dev						0.88	1.28	0.66	1.86	0.23			2.93
Net ET						1.36	8.62	9.09	2.81				21.87
ETr	0.38	0.72	2.30	4.06	5.71	7.11	7.83	6.57	4.43	2.39	0.99	0.42	42.92
St Dev	0.14	0.14	0.33	0.53	0.56	0.56	0.52	0.40	0.35	0.33	0.24	0.13	2.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MAYBELL

Aridity Index: 78%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.52, Long: -108.1, Elev: 5908 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.34	22.15	33.48	42.24	51.43	60.13	67.17	65.19	55.55	43.81	30.39	19.12	42.33
St Dev	6.52	5.78	3.61	3.08	2.20	2.69	1.99	2.07	2.59	2.14	4.00	4.28	1.44
Precip (in)	0.92	0.87	1.14	1.26	1.23	0.94	0.77	0.85	1.01	1.43	1.09	0.88	12.40
St Dev	0.63	0.53	0.78	1.03	1.04	0.80	0.71	0.58	0.81	0.86	0.74	0.77	3.43
Aridity Adj. (F)	1.56	1.48	2.11	2.89	4.29	5.30	4.45	4.37	4.45	4.06	2.81	1.87	3.30
Est. Dewpoint (F)	5.10	9.29	13.50	13.39	19.67	22.45	29.50	30.29	21.52	17.61	10.36	3.64	16.36
Rs (langley/day)	190	283	399	500	590	665	642	567	463	330	212	161	417
Wind (mpd)	44	49	91	114	108	97	83	78	68	63	60	49	75
Calc. Wind Limit (mpd)	96	96	96	110	102	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)					3.20	7.64	6.77	4.80	1.06	0.01			23.48
St Dev					0.34	0.55	0.42	1.20	1.39	0.04			2.26
Net Irr					2.21	6.89	6.15	4.12	0.25				19.63
Alfalfa (Dairy)					3.20	6.92	6.74	4.77	0.67				22.30
St Dev					0.34	0.33	0.29	1.55	0.86				2.02
Net Irr					2.21	6.17	6.12	4.09					18.60
Other Hay					3.41	8.34	8.27	3.28	1.01	0.01			24.33
St Dev					0.29	0.56	0.37	0.20	0.50	0.05			1.04
Net Irr					2.43	7.59	7.66	2.60	0.20				20.47
Pasture					2.08	5.41	6.03	5.06	1.74	0.02			20.34
St Dev					0.19	0.36	0.26	0.38	0.99	0.09			1.33
Net Irr					1.10	4.66	5.41	4.38	0.93				16.48
Spring Grain					1.28	5.26	9.03	5.85	0.41				21.83
St Dev					0.20	0.81	0.45	1.52	0.52				1.39
Net Irr					0.30	4.50	8.42	5.17					18.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MAYBELL

Aridity Index: 78%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 40.52, Long: -108.1, Elev: 5908 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.31	3.06	4.80	1.08				10.26
St Dev						0.09	0.13	0.21	0.96				1.06
Net Irr						0.56	2.44	4.12	0.27				7.40
Turfgrass					2.42	4.48	5.32	4.53	1.81	0.03			18.58
St Dev					0.22	0.30	0.23	0.29	0.94	0.11			1.19
Net Irr					1.44	3.73	4.70	3.85	1.00				14.71
Open Water Deep	0.35	0.38	1.15	2.02	2.61	3.35	3.86	3.55	2.21	1.53	0.92	0.47	22.41
St Dev	0.06	0.06	0.19	0.27	0.24	0.32	0.26	0.23	0.20	0.17	0.15	0.07	0.97
Net Evap			0.23	1.01	1.63	2.60	3.25	2.87	1.40	0.38	0.05		13.42
Open Water Shallow	0.64	1.03	2.37	3.54	4.63	5.35	5.78	5.14	3.69	2.26	1.10	0.63	36.16
St Dev	0.09	0.12	0.26	0.31	0.28	0.28	0.19	0.17	0.22	0.20	0.15	0.08	1.01
Net Evap		0.33	1.45	2.53	3.65	4.59	5.16	4.46	2.88	1.12	0.23		26.40
Wetlands Large						1.40	6.90	7.02	1.42	0.01			16.76
St Dev						0.21	0.41	1.87	1.66	0.09			3.05
Net ET						0.65	6.28	6.34	0.61				13.89
Wetlands Narrow						1.74	9.65	10.03	2.03	0.02			23.48
St Dev						0.27	0.59	2.68	2.37	0.12			4.36
Net ET						0.99	9.04	9.35	1.22				20.60
ETr	0.84	1.22	3.20	5.24	6.88	8.25	8.86	7.62	5.30	3.28	1.64	0.93	53.27
St Dev	0.13	0.16	0.44	0.59	0.54	0.55	0.38	0.33	0.39	0.40	0.29	0.14	1.94

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MESA VERDE NP

Aridity Index: 45%, Temp. Adj. (F): -10.5, Period: 1971-2008, Lat: 37.2, Long: -108.49, Elev: 7115 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.63	32.51	38.73	45.87	55.16	65.58	71.19	68.91	61.46	50.25	37.94	29.72	48.83
St Dev	3.55	2.72	3.15	2.91	2.94	3.02	2.40	1.75	2.55	2.85	3.47	3.14	1.25
Precip (in)	1.88	1.61	1.82	1.24	1.17	0.52	1.59	2.00	1.74	1.80	1.54	1.45	18.37
St Dev	1.54	1.18	1.29	0.90	0.94	0.52	1.00	1.00	1.08	1.46	1.08	1.09	3.94
Aridity Adj. (F)	0.90	0.86	1.22	1.67	2.48	3.06	2.57	2.52	2.57	2.34	1.62	1.08	1.91
Est. Dewpoint (F)	17.06	17.38	18.91	21.42	29.43	33.72	43.41	44.73	38.62	29.46	22.31	17.53	27.83
Rs (langley/day)	242	315	439	548	634	704	645	564	497	373	266	214	453
Wind (mpd)	99	111	126	136	110	103	90	85	89	97	96	97	103
Calc. Wind Limit (mpd)	96	96	103	126	101	96	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)					2.52	6.38	5.43	4.40	1.93	0.01			20.67
St Dev					0.31	0.46	0.24	0.42	1.20	0.04			1.52
Net Irr					1.59	5.96	4.15	2.80	0.54				15.04
Alfalfa (Dairy)					2.52	6.11	5.39	4.22	1.41	0.02			19.67
St Dev					0.31	0.39	0.26	0.32	0.80	0.09			1.14
Net Irr					1.59	5.69	4.11	2.62	0.02				14.03
Apples / Cherries					0.10	4.16	6.94	5.98	3.56	0.40			21.13
St Dev					0.04	0.21	0.35	0.30	0.97	0.63			1.63
Net Irr						3.74	5.66	4.38	2.17				15.95
Other Hay					2.79	7.12	6.51	2.44	1.11	0.09			20.08
St Dev					0.27	0.38	0.33	0.13	0.27	0.15			0.83
Net Irr					1.86	6.71	5.24	0.84					14.64
Other Orchard					0.10	3.91	6.54	5.52	3.28	0.37			19.73
St Dev					0.04	0.20	0.33	0.27	0.89	0.58			1.51
Net Irr						3.49	5.27	3.92	1.89				14.57
Pasture					1.71	4.62	4.81	3.90	2.09	0.20			17.33
St Dev					0.17	0.25	0.24	0.20	0.69	0.33			1.11
Net Irr					0.77	4.20	3.53	2.30	0.70				11.51
Sorghum						1.64	4.46	5.12	2.21	0.02			13.46
St Dev						0.09	0.24	0.27	1.05	0.10			1.29
Net Irr						1.23	3.19	3.52	0.82				8.76
Spring Grain					0.96	3.90	7.03	5.54	1.42	0.01			18.86
St Dev					0.16	0.77	0.55	0.44	0.74	0.02			1.14
Net Irr					0.03	3.49	5.75	3.94	0.04				13.24
Winter Wheat				0.62	1.46	3.78	6.95	4.73	0.74				18.28
St Dev				0.07	0.19	0.92	0.59	0.94	0.57				0.81
Net Irr					0.53	3.36	5.68	3.12					12.69

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MESA VERDE NP

Aridity Index: 45%, Temp. Adj. (F): -10.5, Period: 1971-2008, Lat: 37.2, Long: -108.49, Elev: 7115 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.60	2.86	4.00	1.38	0.01			9.85
St Dev						0.09	0.15	0.32	1.00	0.05			1.21
Net Irr						1.18	1.59	2.39					5.16
Turfgrass					1.95	3.84	4.24	3.45	2.05	0.24			15.76
St Dev					0.18	0.20	0.21	0.17	0.56	0.37			0.98
Net Irr					1.01	3.42	2.96	1.85	0.66				9.90
Open Water Deep	0.45	0.54	0.75	1.24	1.40	2.30	2.27	1.92	1.41	1.43	0.85	0.49	15.04
St Dev	0.10	0.09	0.16	0.17	0.18	0.22	0.19	0.14	0.15	0.21	0.18	0.10	0.78
Net Evap				0.25	0.46	1.88	0.99	0.32	0.02				3.93
Open Water Shallow	0.72	1.18	2.30	3.34	4.37	5.30	5.36	4.63	3.61	2.32	1.12	0.64	34.88
St Dev	0.12	0.14	0.30	0.28	0.30	0.23	0.21	0.18	0.21	0.23	0.17	0.11	1.12
Net Evap			0.84	2.35	3.43	4.88	4.08	3.02	2.22	0.88			21.71
Wetlands Large						1.97	6.20	6.00	2.58	0.03			16.78
St Dev						0.36	0.44	0.32	1.23	0.11			1.50
Net ET						1.55	4.92	4.40	1.19				12.07
Wetlands Narrow						2.53	8.75	8.57	3.69	0.04			23.58
St Dev						0.48	0.64	0.45	1.75	0.16			2.14
Net ET						2.11	7.48	6.97	2.30				18.86
ETr	0.61	1.19	2.50	3.99	5.31	7.01	7.07	5.75	4.25	2.74	1.19	0.58	42.20
St Dev	0.19	0.20	0.42	0.42	0.46	0.38	0.35	0.29	0.32	0.39	0.28	0.20	1.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: **NORTHDAL**

Aridity Index: 47%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.81, Long: -109.01, Elev: 6680 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.00	27.91	37.00	44.06	53.03	62.78	69.33	67.41	59.10	47.36	34.25	25.26	45.88
St Dev	4.81	4.52	2.94	2.98	2.52	3.18	2.48	2.25	2.06	2.13	3.03	3.98	1.33
Precip (in)	0.86	0.87	0.90	0.73	0.88	0.40	1.18	1.27	1.17	1.68	1.02	1.02	11.98
St Dev	0.72	0.82	0.76	0.60	0.66	0.49	0.87	0.84	0.87	1.55	0.84	1.02	2.71
Aridity Adj. (F)	0.94	0.89	1.27	1.74	2.59	3.20	2.68	2.63	2.68	2.44	1.69	1.13	1.99
Est. Dewpoint (F)	9.26	11.38	15.72	17.75	24.08	27.54	39.07	41.21	33.21	24.14	16.64	11.39	22.62
Rs (langley/day)	233	307	400	498	581	632	577	516	437	335	242	213	414
Wind (mpd)	156	159	188	213	189	168	132	133	141	155	154	157	162
Calc. Wind Limit (mpd)	111	132	132	132	132	132	132	132	132	132	132	120	129
.....Inches.....													
Alfalfa (Beef)					2.04	7.33	6.40	5.07	1.29	0.01			22.12
St Dev					0.31	0.72	0.86	1.51	1.35	0.04			2.95
Net Irr					1.33	7.00	5.45	4.05	0.35				18.19
Alfalfa (Dairy)					2.04	7.17	6.39	4.58	1.14	0.01			21.32
St Dev					0.31	0.62	0.85	1.46	1.02	0.06			2.78
Net Irr					1.33	6.85	5.44	3.56	0.20				17.39
Other Hay					2.14	8.05	8.52	3.65	1.11	0.02			23.49
St Dev					0.28	0.60	0.45	0.23	0.58	0.07			1.34
Net Irr					1.44	7.73	7.57	2.63	0.17				19.55
Pasture					1.30	5.18	5.83	4.82	1.85	0.04			19.01
St Dev					0.17	0.39	0.31	0.33	1.08	0.13			1.57
Net Irr					0.60	4.86	4.89	3.80	0.91				15.05
Spring Grain					0.80	4.24	8.31	6.23	1.05				20.63
St Dev					0.13	0.86	0.81	1.82	0.94				2.68
Net Irr					0.10	3.91	7.36	5.22	0.12				16.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: **NORTHDALE**

Aridity Index: 47%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.81, Long: -109.01, Elev: 6680 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.19	2.85	4.40	1.21				9.64
St Dev						0.09	0.16	0.28	0.88				0.93
Net Irr						0.86	1.90	3.38	0.27				6.42
Turfgrass					1.70	4.28	5.14	4.31	1.89	0.04			17.37
St Dev					0.21	0.32	0.27	0.27	1.02	0.16			1.41
Net Irr					1.00	3.96	4.20	3.29	0.95				13.40
Open Water Deep	0.70	0.93	1.30	1.70	2.48	3.83	4.28	3.93	2.90	2.47	1.48	0.83	26.83
St Dev	0.17	0.19	0.24	0.25	0.31	0.44	0.36	0.27	0.25	0.34	0.26	0.16	1.28
Net Evap	0.01	0.23	0.58	1.11	1.77	3.51	3.33	2.92	1.96	1.12	0.67	0.02	17.24
Open Water Shallow	0.76	1.22	2.36	3.30	4.40	5.21	5.36	4.75	3.61	2.39	1.20	0.73	35.29
St Dev	0.15	0.18	0.29	0.31	0.32	0.29	0.20	0.19	0.19	0.26	0.18	0.12	1.10
Net Evap	0.08	0.53	1.64	2.72	3.70	4.88	4.41	3.73	2.68	1.04	0.38		25.78
Wetlands Large						1.00	6.12	6.99	2.22	0.02			16.35
St Dev						0.21	0.53	1.51	1.75	0.10			2.98
Net ET						0.68	5.18	5.97	1.29				13.12
Wetlands Narrow						1.21	8.51	9.98	3.17	0.02			22.90
St Dev						0.27	0.76	2.15	2.50	0.15			4.26
Net ET						0.89	7.56	8.97	2.24				19.65
ETr	1.01	1.58	3.12	4.59	6.40	8.33	8.58	7.23	5.58	3.78	1.85	1.03	53.07
St Dev	0.31	0.34	0.53	0.58	0.64	0.64	0.45	0.45	0.47	0.64	0.43	0.27	2.36

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NORWOOD

Aridity Index: 19%, Temp. Adj. (F): -8, Period: 1971-2008, Lat: 38.13, Long: -108.29, Elev: 7020 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.55	29.23	36.70	43.47	52.46	61.84	67.30	65.38	57.78	47.09	34.63	25.64	45.51
St Dev	4.63	3.58	3.35	3.43	3.00	2.69	2.07	1.69	2.31	2.62	3.43	3.24	1.62
Precip (in)	1.02	0.82	1.13	1.20	1.18	0.75	1.87	2.00	1.84	1.74	1.38	1.01	15.94
St Dev	0.66	0.54	0.86	0.87	0.88	0.59	1.22	1.16	1.11	1.18	0.84	0.79	2.50
Aridity Adj. (F)	0.38	0.36	0.51	0.70	1.05	1.29	1.08	1.06	1.08	0.99	0.68	0.46	0.80
Est. Dewpoint (F)	11.63	13.87	17.49	19.88	26.54	31.13	40.31	42.56	35.86	27.77	19.11	12.94	24.92
Rs (langley/day)	224	300	410	506	578	634	596	524	451	352	242	204	418
Wind (mpd)	109	119	142	165	144	130	100	96	103	111	112	111	120
Calc. Wind Limit (mpd)	96	96	132	132	132	122	96	96	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)					2.10	6.90	5.63	4.23	1.33				20.19
St Dev					0.28	0.57	0.41	1.16	1.13				2.30
Net Irr					1.16	6.29	4.13	2.63					14.21
Alfalfa (Dairy)					2.10	6.67	5.53	3.85	1.02				19.17
St Dev					0.28	0.46	0.56	1.34	0.83				2.34
Net Irr					1.16	6.07	4.03	2.25					13.50
Other Hay					2.22	7.54	7.31	2.98	0.93	0.03			21.01
St Dev					0.26	0.50	0.49	0.25	0.50	0.07			1.09
Net Irr					1.27	6.93	5.81	1.38					15.40
Pasture					1.34	4.86	5.02	3.91	1.59	0.05			16.78
St Dev					0.15	0.32	0.35	0.78	0.98	0.13			1.72
Net Irr					0.40	4.26	3.52	2.31	0.11				10.60
Spring Grain					0.83	4.12	7.37	5.50	1.18				18.99
St Dev					0.13	0.77	0.60	1.15	0.92				1.89
Net Irr						3.52	5.87	3.89					13.28

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: NORWOOD

Aridity Index: 19%, Temp. Adj. (F): -8, Period: 1971-2008, Lat: 38.13, Long: -108.29, Elev: 7020 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.29	2.61	3.95	1.24				9.10
St Dev						0.08	0.19	0.24	0.91				0.98
Net Irr						0.69	1.11	2.35					4.15
Turfgrass					1.72	4.01	4.43	3.50	1.60	0.07			15.33
St Dev					0.19	0.26	0.31	0.68	0.91	0.16			1.55
Net Irr					0.78	3.41	2.93	1.89	0.12				9.14
Open Water Deep	0.62	0.66	1.17	1.54	2.33	3.30	2.80	2.51	1.84	1.64	1.03	0.64	20.05
St Dev	0.09	0.09	0.21	0.21	0.30	0.32	0.27	0.19	0.18	0.22	0.19	0.09	0.99
Net Evap			0.27	0.58	1.39	2.69	1.30	0.90	0.36	0.24			7.73
Open Water Shallow	0.75	1.18	2.34	3.28	4.37	5.13	5.16	4.50	3.45	2.30	1.12	0.68	34.25
St Dev	0.09	0.12	0.26	0.27	0.31	0.25	0.26	0.19	0.20	0.22	0.15	0.08	0.94
Net Evap		0.52	1.44	2.32	3.43	4.53	3.66	2.90	1.97	0.91	0.02		21.69
Wetlands Large						1.45	5.90	6.07	1.97				15.39
St Dev						0.33	0.55	0.90	1.41				2.20
Net ET						0.85	4.40	4.46	0.50				10.21
Wetlands Narrow						1.82	8.26	8.67	2.81				21.56
St Dev						0.43	0.80	1.29	2.01				3.14
Net ET						1.22	6.76	7.06	1.34				16.39
ETr	0.98	1.43	2.95	4.35	6.10	7.73	7.42	6.17	4.60	3.05	1.52	0.91	47.21
St Dev	0.17	0.20	0.45	0.47	0.59	0.51	0.50	0.38	0.36	0.40	0.29	0.17	1.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PALISADE

Aridity Index: 37%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.11, Long: -108.35, Elev: 4810 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.74	36.78	45.79	53.70	63.28	73.26	79.42	76.84	67.86	55.56	41.73	31.34	54.61
St Dev	5.47	4.20	3.21	3.22	2.70	2.87	1.78	1.61	2.41	2.56	2.88	3.67	1.30
Precip (in)	0.62	0.62	1.07	1.08	1.07	0.64	0.69	0.78	1.21	1.28	0.94	0.60	10.60
St Dev	0.43	0.46	0.65	0.72	0.77	0.70	0.45	0.53	0.85	0.88	0.65	0.47	2.93
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	20.89	24.97	28.65	31.28	38.45	44.14	52.88	54.05	45.85	37.41	28.48	22.26	35.78
Rs (langley/day)	201	268	385	513	609	714	648	555	468	328	215	177	423
Wind (mpd)	87	100	126	139	125	120	114	105	109	99	97	83	109
Calc. Wind Limit (mpd)	96	96	102	129	120	114	96	96	96	96	96	96	103
.....Inches.....													
Alfalfa (Beef)			0.01	2.55	6.37	7.44	6.78	6.08	4.60	1.00	0.03		34.87
St Dev			0.04	0.77	0.60	0.79	0.43	0.51	0.82	0.80	0.11		2.59
Net Irr				1.69	5.51	6.93	6.24	5.45	3.63				29.45
Alfalfa (Dairy)			0.01	2.55	5.75	6.96	6.77	5.61	3.95	1.08	0.03		32.71
St Dev			0.04	0.77	0.46	0.47	0.49	0.46	0.62	0.94	0.10		2.50
Net Irr				1.69	4.90	6.45	6.22	4.98	2.98	0.05			27.28
Corn					1.08	4.06	8.40	6.20	1.86	0.13			21.72
St Dev					0.29	1.02	0.90	0.52	1.06	0.33			1.27
Net Irr					0.23	3.54	7.85	5.57	0.89				18.08
Melon					1.18	4.95	5.82	4.82	3.02	0.07			19.85
St Dev					0.40	0.72	0.36	0.37	0.61	0.18			1.32
Net Irr					0.32	4.43	5.27	4.19	2.05				16.27
Other Hay			0.01	2.67	7.21	8.36	4.01	2.37	1.05	0.02			25.68
St Dev			0.04	0.82	0.72	0.78	0.53	0.21	0.25	0.05			1.59
Net Irr				1.81	6.35	7.85	3.46	1.74	0.08				21.28
Pasture			0.06	2.31	4.81	6.18	6.09	5.04	3.65	1.58	0.05		29.78
St Dev			0.11	0.53	0.45	0.45	0.38	0.39	0.39	0.56	0.12		2.14
Net Irr				1.45	3.96	5.67	5.54	4.42	2.68	0.55			24.26
Spring Grain			0.01	1.25	5.16	9.28	4.74	0.10					20.54
St Dev			0.05	0.40	1.06	0.77	1.38	0.29					0.80
Net Irr				0.38	4.30	8.77	4.19						17.65
Winter Wheat			0.67	1.79	5.56	8.87	2.26	0.02					19.17
St Dev			0.17	0.38	1.12	0.73	1.48	0.10					0.69
Net Irr				0.93	4.71	8.35	1.71						15.70

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PALISADE

Aridity Index: 37%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.11, Long: -108.35, Elev: 4810 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.11	1.87	4.15	6.71	5.43	1.29				19.57
St Dev				0.11	0.28	0.52	0.57	0.44	0.47				1.21
Net Irr					1.01	3.64	6.16	4.80	0.32				15.94
Small Fruit				0.01	1.47	5.68	8.64	7.04	3.49	0.03			26.37
St Dev				0.04	0.42	0.92	0.64	0.52	0.84	0.15			1.70
Net Irr					0.61	5.17	8.09	6.42	2.52				22.81
Turfgrass			0.10	2.35	4.08	5.46	5.37	4.45	3.30	1.69	0.07		26.87
St Dev			0.18	0.41	0.38	0.40	0.33	0.34	0.32	0.52	0.15		1.90
Net Irr				1.49	3.23	4.95	4.82	3.82	2.33	0.66			21.30
Open Water Deep	0.61	0.83	1.29	2.27	3.12	4.43	4.25	3.85	2.77	2.24	1.32	0.63	27.60
St Dev	0.12	0.17	0.21	0.33	0.37	0.49	0.35	0.37	0.33	0.33	0.22	0.12	1.85
Net Evap	0.11	0.34	0.43	1.41	2.26	3.91	3.70	3.22	1.80	1.21	0.57	0.15	19.12
Open Water Shallow	0.71	1.24	2.58	3.94	5.22	6.31	6.29	5.42	4.11	2.51	1.16	0.63	40.12
St Dev	0.11	0.18	0.25	0.35	0.36	0.35	0.31	0.32	0.30	0.26	0.16	0.10	1.68
Net Evap	0.21	0.74	1.73	3.08	4.36	5.80	5.74	4.79	3.14	1.49	0.41	0.15	31.64
Wetlands Large					0.64	6.02	9.25	7.79	5.57	1.95	0.05		31.27
St Dev					0.40	1.11	0.65	0.60	0.76	1.43	0.18		3.30
Net ET						5.51	8.70	7.16	4.60	0.93			26.90
Wetlands Narrow					0.76	8.30	13.21	11.13	7.96	2.79	0.07		44.22
St Dev					0.51	1.62	0.94	0.86	1.08	2.04	0.25		4.69
Net ET						7.79	12.66	10.50	6.99	1.76			39.70
ETr	0.76	1.46	3.23	5.31	7.18	9.09	8.95	7.42	5.50	3.39	1.54	0.69	54.52
St Dev	0.19	0.30	0.40	0.60	0.63	0.66	0.55	0.57	0.53	0.48	0.31	0.18	3.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RANGELY 1 E

Aridity Index: 84%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.09, Long: -108.77, Elev: 5290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.96	25.12	38.54	47.92	57.10	67.25	74.36	71.75	61.92	49.17	33.92	20.63	47.13
St Dev	7.68	6.82	3.66	3.28	2.43	3.03	2.18	1.91	2.40	2.30	3.27	5.13	1.87
Precip (in)	0.59	0.51	0.98	1.13	1.15	0.83	0.78	0.91	1.27	1.38	0.79	0.57	10.87
St Dev	0.41	0.36	0.66	0.63	0.74	0.83	0.65	0.63	0.98	0.97	0.50	0.45	2.76
Aridity Adj. (F)	1.68	1.60	2.27	3.11	4.62	5.71	4.79	4.70	4.79	4.37	3.02	2.02	3.56
Est. Dewpoint (F)	7.66	14.21	19.70	20.35	27.13	31.12	38.80	38.80	29.52	24.70	15.75	7.17	22.91
Rs (langley/day)	195	291	406	508	598	677	652	574	473	337	217	165	424
Wind (mpd)	44	49	92	116	110	99	84	79	69	64	60	49	76
Calc. Wind Limit (mpd)	96	96	96	118	113	99	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)				1.33	5.80	6.74	7.75	6.25	2.44	0.17			30.48
St Dev				0.67	0.76	0.61	0.69	1.00	1.12	0.36			2.22
Net Irr				0.43	4.88	6.08	7.13	5.53	1.42				25.46
Alfalfa (Dairy)				1.33	5.79	6.53	6.76	5.60	2.59	0.15			28.76
St Dev				0.67	0.76	0.49	0.31	0.34	1.16	0.31			2.15
Net Irr				0.43	4.87	5.87	6.14	4.88	1.58				23.77
Barley				0.66	3.38	8.23	7.93	1.01					21.21
St Dev				0.26	0.83	0.92	1.06	1.04					0.92
Net Irr					2.45	7.57	7.31	0.29					17.63
Corn					0.47	2.31	6.99	7.40	3.09	0.15			20.41
St Dev					0.16	0.44	1.01	0.43	1.29	0.29			1.94
Net Irr						1.65	6.37	6.68	2.08				16.77
Other Hay				1.42	6.47	8.60	5.17	2.69	1.18	0.06			25.58
St Dev				0.74	0.78	0.63	0.98	0.20	0.30	0.10			1.20
Net Irr				0.52	5.55	7.94	4.55	1.96	0.16				20.68
Pasture				1.21	4.40	5.83	6.17	5.18	2.86	0.31			25.96
St Dev				0.36	0.44	0.42	0.30	0.33	0.81	0.39			1.42
Net Irr				0.30	3.48	5.17	5.55	4.46	1.85				20.81
Sorghum					0.59	3.21	7.33	6.86	3.04				21.03
St Dev					0.20	0.38	0.49	0.43	1.16				1.67
Net Irr						2.55	6.71	6.13	2.03				17.42
Spring Grain				0.65	3.21	8.06	8.50	1.87					22.28
St Dev				0.25	0.77	0.97	0.78	1.28					0.91
Net Irr					2.28	7.40	7.88	1.15					18.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RANGELY 1 E

Aridity Index: 84%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.09, Long: -108.77, Elev: 5290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.69	2.61	4.96	6.02	1.81	0.01			16.09
St Dev					0.09	0.19	0.25	0.85	1.08	0.03			1.59
Net Irr						1.95	4.34	5.29	0.79				12.38
Turfgrass				1.53	3.67	5.13	5.45	4.61	2.82	0.37			23.58
St Dev				0.40	0.33	0.37	0.26	0.24	0.70	0.45			1.25
Net Irr				0.63	2.75	4.47	4.83	3.88	1.81				18.37
Open Water Deep	0.29	0.32	1.15	2.24	2.90	3.80	4.28	3.86	2.39	1.58	0.88	0.41	24.08
St Dev	0.08	0.08	0.19	0.29	0.29	0.39	0.32	0.21	0.19	0.17	0.14	0.08	1.13
Net Evap			0.37	1.34	1.97	3.14	3.66	3.13	1.37	0.48	0.24		15.70
Open Water Shallow	0.58	1.02	2.48	3.77	4.88	5.71	6.13	5.42	3.93	2.38	1.10	0.58	37.98
St Dev	0.13	0.17	0.26	0.31	0.32	0.32	0.24	0.18	0.20	0.20	0.15	0.10	1.16
Net Evap	0.11	0.62	1.70	2.87	3.96	5.05	5.51	4.69	2.92	1.27	0.46	0.13	29.28
Wetlands Large					0.06	3.81	8.74	8.00	3.90	0.22			24.74
St Dev					0.11	1.06	0.69	0.50	1.65	0.43			2.86
Net ET						3.15	8.12	7.28	2.88				21.43
Wetlands Narrow					0.07	5.06	12.43	11.43	5.57	0.32			34.88
St Dev					0.12	1.49	1.02	0.71	2.36	0.62			4.09
Net ET						4.40	11.81	10.70	4.55				31.47
ETr	0.67	1.11	3.21	5.41	7.05	8.57	9.08	7.73	5.37	3.21	1.49	0.77	53.68
St Dev	0.17	0.22	0.42	0.55	0.62	0.62	0.44	0.36	0.34	0.36	0.26	0.15	2.29

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: URAVAN

Aridity Index: 91%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.38, Long: -108.74, Elev: 5010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.22	35.95	44.30	51.67	61.36	71.23	77.57	75.31	66.18	54.05	40.70	30.73	53.19
St Dev	4.82	3.30	2.65	3.19	2.44	2.70	2.24	1.74	2.22	2.39	2.83	2.91	1.20
Precip (in)	0.85	0.82	1.02	0.94	0.91	0.49	1.13	1.37	1.57	1.56	1.01	0.85	12.52
St Dev	0.61	0.60	0.72	0.72	0.72	0.51	0.83	0.92	1.35	1.15	0.65	0.68	2.85
Aridity Adj. (F)	1.82	1.73	2.46	3.37	5.01	6.19	5.19	5.10	5.19	4.73	3.28	2.18	3.85
Est. Dewpoint (F)	15.01	18.65	21.85	24.23	30.38	34.42	45.26	47.48	38.23	28.78	21.92	16.71	28.58
Rs (langley/day)	242	342	442	562	622	682	585	568	475	358	247	210	444
Wind (mpd)	132	136	166	190	166	147	117	117	122	131	132	132	141
Calc. Wind Limit (mpd)	96	96	132	132	132	131	96	96	97	97	96	96	108
.....Inches.....													
Alfalfa (Beef)				2.71	6.85	7.29	7.09	6.55	2.92	0.30			33.72
St Dev				0.53	0.74	0.44	0.53	0.61	1.22	0.51			2.24
Net Irr				1.96	6.12	6.89	6.19	5.46	1.67				28.28
Alfalfa (Dairy)				2.71	6.64	7.34	6.47	5.63	3.00	0.24			32.02
St Dev				0.53	0.61	0.54	0.34	0.31	1.05	0.43			1.94
Net Irr				1.96	5.91	6.94	5.57	4.53	1.74				26.66
Other Hay				3.03	7.70	8.63	3.73	2.38	1.01				26.49
St Dev				0.55	0.69	0.57	0.27	0.13	0.17				1.24
Net Irr				2.28	6.97	8.24	2.83	1.29					21.61
Pasture				2.00	5.03	6.46	5.90	5.12	3.27	0.50			28.27
St Dev				0.23	0.43	0.41	0.32	0.26	0.75	0.53			1.64
Net Irr				1.25	4.30	6.07	4.99	4.02	2.01				22.64
Spring Grain				1.09	4.13	9.38	7.68	1.25					23.53
St Dev				0.22	0.88	0.95	0.80	1.02					0.68
Net Irr				0.34	3.41	8.98	6.77	0.16					19.66

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: URAVAN

Aridity Index: 91%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.38, Long: -108.74, Elev: 5010 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.00	3.11	5.10	6.18	2.21	0.01			17.59
St Dev					0.10	0.19	0.29	0.35	0.80	0.03			1.06
Net Irr					0.27	2.71	4.19	5.08	0.95				13.20
Turfgrass				2.23	4.20	5.70	5.20	4.54	3.21	0.61			25.69
St Dev				0.25	0.36	0.36	0.29	0.24	0.59	0.61			1.46
Net Irr				1.48	3.47	5.31	4.30	3.44	1.95				19.95
Open Water Deep	0.86	1.01	1.84	2.30	3.31	4.79	4.04	3.65	2.72	2.32	1.41	0.87	29.12
St Dev	0.16	0.15	0.30	0.31	0.36	0.46	0.34	0.26	0.26	0.31	0.25	0.15	1.54
Net Evap	0.18	0.36	1.02	1.55	2.59	4.39	3.14	2.56	1.46	1.07	0.60	0.19	19.11
Open Water Shallow	0.93	1.57	2.93	4.06	5.13	5.94	5.61	5.30	3.99	2.64	1.32	0.82	40.23
St Dev	0.14	0.17	0.31	0.33	0.32	0.28	0.23	0.21	0.24	0.26	0.20	0.12	1.26
Net Evap	0.26	0.91	2.11	3.31	4.40	5.54	4.71	4.20	2.73	1.39	0.51	0.13	30.22
Wetlands Large					0.19	5.19	8.76	7.94	4.88	0.40			27.37
St Dev					0.06	0.48	0.53	0.41	1.32	0.63			2.26
Net ET						4.80	7.86	6.85	3.62				23.13
Wetlands Narrow					0.20	7.01	12.50	11.34	6.98	0.57			38.61
St Dev					0.07	0.68	0.77	0.59	1.89	0.90			3.22
Net ET						6.61	11.60	10.25	5.72				34.18
ETr	1.26	1.99	4.06	5.69	7.58	9.50	8.67	7.56	5.79	3.99	1.99	1.15	59.24
St Dev	0.28	0.31	0.62	0.60	0.64	0.60	0.48	0.39	0.47	0.58	0.45	0.28	2.53

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: YELLOW JACKET 2 W

Aridity Index: 11%, Temp. Adj. (F): -11, Period: 1971-2008, Lat: 37.52, Long: -108.76, Elev: 6860 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.44	31.38	38.39	46.06	55.44	65.52	71.39	69.39	61.64	50.55	37.56	28.73	48.62
St Dev	4.22	3.33	3.61	3.50	2.95	2.76	2.00	1.77	2.42	2.74	3.74	3.52	1.58
Precip (in)	1.25	1.35	1.30	0.97	1.18	0.54	1.45	1.62	1.70	1.86	1.38	1.10	15.69
St Dev	1.08	1.10	1.09	0.84	1.06	0.60	0.82	1.07	1.17	1.50	1.03	0.95	3.39
Aridity Adj. (F)	0.22	0.21	0.30	0.41	0.61	0.75	0.63	0.62	0.63	0.57	0.40	0.26	0.47
Est. Dewpoint (F)	15.69	15.91	18.25	22.01	30.43	34.66	44.02	45.89	39.69	31.34	22.66	16.73	28.11
Rs (langley/day)	244	326	424	526	621	694	608	543	467	355	254	211	439
Wind (mpd)	96	106	124	143	121	110	95	89	98	103	100	99	107
Calc. Wind Limit (mpd)	96	96	123	132	113	109	96	96	96	96	96	96	104
.....Inches.....													
Alfalfa (Beef)					3.02	6.92	5.79	4.44	2.16	0.03			22.35
St Dev					0.47	0.42	0.61	0.37	1.20	0.12			1.98
Net Irr					2.07	6.49	4.63	3.15	0.80				17.14
Alfalfa (Dairy)					3.02	6.46	5.61	4.46	1.62	0.04			21.21
St Dev					0.47	0.34	0.35	0.36	1.05	0.16			1.66
Net Irr					2.07	6.03	4.45	3.17	0.26				15.98
Apples / Cherries					0.02	4.40	7.18	6.27	3.70	0.38			21.96
St Dev					0.04	0.26	0.45	0.34	1.21	0.61			1.91
Net Irr						3.97	6.02	4.98	2.34				17.32
Other Hay					3.30	7.78	6.58	2.48	1.13	0.09			21.36
St Dev					0.41	0.49	0.41	0.13	0.34	0.14			1.17
Net Irr					2.36	7.35	5.42	1.19					16.32
Other Orchard					0.02	4.14	6.78	5.79	3.42	0.35			20.50
St Dev					0.04	0.25	0.42	0.31	1.12	0.56			1.77
Net Irr						3.71	5.62	4.50	2.06				15.89
Pasture					2.04	5.05	5.01	4.08	2.18	0.19			18.55
St Dev					0.25	0.32	0.31	0.23	0.82	0.32			1.37
Net Irr					1.10	4.62	3.85	2.79	0.82				13.18
Sorghum						1.85	4.74	5.39	2.37	0.06			14.41
St Dev						0.17	0.37	0.31	1.14	0.20			1.57
Net Irr						1.42	3.58	4.10	1.01				10.11
Spring Grain					1.18	4.77	7.49	5.36	1.01				19.81
St Dev					0.25	0.96	0.53	0.67	0.64				0.87
Net Irr					0.23	4.34	6.33	4.07					14.97
Winter Wheat				0.61	1.62	4.57	7.38	4.16	0.42				18.76
St Dev				0.08	0.28	1.16	0.53	1.20	0.35				0.61
Net Irr					0.67	4.15	6.22	2.87					13.91

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: YELLOW JACKET 2 W

Aridity Index: 11%, Temp. Adj. (F): -11, Period: 1971-2008, Lat: 37.52, Long: -108.76, Elev: 6860 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.80	3.05	4.29	1.51				10.65
St Dev						0.11	0.20	0.34	0.97				1.24
Net Irr						1.37	1.89	2.99	0.15				6.41
Turfgrass					2.24	4.21	4.42	3.62	2.13	0.22			16.86
St Dev					0.26	0.26	0.27	0.20	0.70	0.36			1.21
Net Irr					1.30	3.78	3.26	2.33	0.78				11.45
Open Water Deep	0.44	0.53	0.94	1.36	1.72	2.84	2.64	2.22	1.66	1.47	0.85	0.48	17.18
St Dev	0.10	0.08	0.23	0.23	0.28	0.29	0.26	0.19	0.20	0.23	0.20	0.10	1.39
Net Evap				0.59	0.77	2.41	1.48	0.92	0.31				6.49
Open Water Shallow	0.70	1.18	2.28	3.30	4.45	5.43	5.25	4.62	3.54	2.27	1.07	0.61	34.70
St Dev	0.11	0.13	0.33	0.32	0.38	0.27	0.25	0.19	0.22	0.24	0.19	0.10	1.60
Net Evap		0.09	1.23	2.52	3.51	5.00	4.09	3.32	2.18	0.78			22.74
Wetlands Large						2.13	6.42	6.31	2.77	0.10			17.73
St Dev						0.61	0.76	0.36	1.33	0.36			2.23
Net ET						1.70	5.26	5.02	1.41				13.39
Wetlands Narrow						2.74	9.06	9.02	3.95	0.14			24.91
St Dev						0.81	1.13	0.52	1.90	0.51			3.17
Net ET						2.31	7.90	7.72	2.60				20.53
ETr	0.64	1.22	2.68	4.14	5.69	7.59	7.37	6.03	4.46	2.75	1.20	0.59	44.37
St Dev	0.20	0.20	0.53	0.52	0.63	0.48	0.46	0.33	0.37	0.40	0.31	0.16	2.70

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ABERDEEN EXP STN

Aridity Index: 37%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.95, Long: -112.82, Elev: 4405 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.35	25.97	35.65	44.06	52.80	60.85	67.94	66.23	56.36	45.18	32.75	22.86	44.33
St Dev	5.85	5.97	4.07	2.76	2.27	2.55	2.86	2.27	2.75	2.20	3.87	4.88	1.66
Precip (in)	0.74	0.73	0.84	0.82	1.10	0.84	0.53	0.49	0.76	0.85	0.76	0.85	9.31
St Dev	0.48	0.59	0.58	0.58	0.76	0.86	0.57	0.53	0.61	0.62	0.47	0.75	2.63
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	15.31	18.62	23.37	26.01	32.54	40.12	45.68	40.48	32.72	25.89	21.99	15.99	28.23
Rs (langley/day)	158	250	362	460	568	634	640	566	447	305	176	131	391
Wind (mpd)	139	134	151	166	151	131	102	99	102	116	123	129	129
Calc. Wind Limit (mpd)	96	132	125	132	132	132	115	113	100	97	101	116	116
.....Inches.....													
Alfalfa (Beef)				1.16	5.74	6.36	7.70	6.95	1.75	0.05			29.70
St Dev				0.78	0.85	0.56	0.69	1.31	1.22	0.20			2.91
Net Irr				0.50	4.86	5.69	7.28	6.56	1.14				26.02
Alfalfa (Dairy)				1.16	5.66	6.22	6.79	6.13	1.95	0.05			27.97
St Dev				0.78	0.75	0.62	0.54	0.64	1.38	0.19			2.77
Net Irr				0.50	4.78	5.55	6.37	5.74	1.34				24.29
Barley				0.64	3.59	8.05	7.76	0.91					20.96
St Dev				0.35	0.99	0.95	1.06	0.74					0.97
Net Irr					2.71	7.38	7.34	0.52					17.95
Other Hay				1.21	6.27	8.24	5.36	3.03	1.35	0.07			25.53
St Dev				0.84	0.93	0.75	0.94	0.15	0.32	0.12			1.54
Net Irr				0.55	5.39	7.57	4.93	2.64	0.74				21.83
Pasture				1.32	4.40	5.57	6.17	5.79	3.13	0.36			26.73
St Dev				0.59	0.54	0.51	0.47	0.35	0.97	0.63			2.40
Net Irr				0.66	3.52	4.89	5.74	5.40	2.52				22.74
Safflower					0.79	7.32	9.07	8.15	3.13	0.24			28.70
St Dev					0.63	1.19	0.69	0.57	1.36	0.45			3.10
Net Irr						6.65	8.64	7.76	2.52				25.58
Spring Grain				0.63	3.40	7.90	8.43	1.85					22.21
St Dev				0.33	0.93	0.99	0.84	1.03					1.00
Net Irr					2.52	7.23	8.00	1.46					19.22
Winter Wheat			0.41	1.39	3.67	8.04	6.63	0.55					20.69
St Dev			0.23	0.27	0.97	0.97	1.27	0.46					0.94
Net Irr				0.73	2.79	7.37	6.20	0.16					17.26

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ABERDEEN EXP STN

Aridity Index: 37%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.95, Long: -112.82, Elev: 4405 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.05	2.82	5.60	6.22	0.94				16.61
St Dev					0.21	0.34	0.60	1.60	1.02				2.51
Net Irr					0.17	2.15	5.17	5.83	0.33				13.64
Turfgrass				1.59	3.69	4.90	5.44	5.15	3.13	0.43			24.32
St Dev				0.58	0.43	0.46	0.41	0.31	0.79	0.69			2.14
Net Irr				0.93	2.81	4.23	5.02	4.76	2.52				20.26
Open Water Deep	0.78	1.06	1.46	2.22	3.19	3.86	4.11	4.71	3.25	2.55	1.49	1.05	29.74
St Dev	0.13	0.23	0.30	0.37	0.40	0.47	0.46	0.38	0.35	0.29	0.25	0.17	1.93
Net Evap	0.19	0.48	0.78	1.56	2.31	3.19	3.69	4.32	2.64	1.87	0.88	0.37	22.29
Open Water Shallow	0.59	1.07	2.32	3.47	4.76	5.39	5.94	5.45	3.86	2.36	1.01	0.56	36.79
St Dev	0.08	0.17	0.31	0.35	0.37	0.37	0.34	0.25	0.26	0.21	0.14	0.09	1.63
Net Evap		0.49	1.64	2.81	3.88	4.72	5.52	5.06	3.25	1.68	0.41		29.46
Wetlands Large					0.04	3.26	8.50	8.85	3.09	0.07			23.81
St Dev					0.13	1.16	1.04	0.83	2.11	0.24			3.56
Net ET						2.59	8.07	8.46	2.48				21.60
Wetlands Narrow					0.05	4.29	12.07	12.64	4.41	0.10			33.56
St Dev					0.16	1.61	1.53	1.18	3.01	0.35			5.07
Net ET						3.62	11.64	12.25	3.80				31.32
ETr	0.82	1.41	3.11	5.05	6.98	8.18	9.07	8.58	6.15	3.92	1.69	0.97	55.93
St Dev	0.16	0.31	0.57	0.70	0.72	0.75	0.69	0.52	0.54	0.48	0.35	0.23	3.37

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: AMERICAN FALLS 6 NE

Aridity Index: 17%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.86, Long: -112.88, Elev: 4405 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.68	29.40	38.77	47.10	55.26	63.39	70.95	69.98	60.50	49.06	35.92	26.62	47.64
St Dev	5.24	5.30	3.82	3.03	2.51	2.88	2.76	2.46	2.78	2.60	3.59	4.53	1.55
Precip (in)	1.08	0.94	1.28	1.21	1.47	0.83	0.54	0.56	0.81	0.89	1.14	1.14	11.90
St Dev	0.69	0.69	0.78	0.77	1.05	0.73	0.62	0.47	0.70	0.65	0.71	0.94	3.58
Aridity Adj. (F)	0.34	0.32	0.46	0.63	0.94	1.16	0.97	0.95	0.97	0.88	0.61	0.41	0.72
Est. Dewpoint (F)	20.90	24.18	28.33	31.24	37.49	45.37	51.93	48.27	41.20	34.19	28.63	22.72	34.54
Rs (langleys/day)	160	254	362	458	567	646	651	572	449	307	178	134	395
Wind (mpd)	141	136	153	168	152	131	102	99	103	117	124	131	130
Calc. Wind Limit (mpd)	96	132	127	132	132	132	115	113	101	98	103	115	116
.....Inches.....													
Alfalfa (Beef)				1.47	5.84	6.16	7.02	7.18	3.50	0.69	0.01		31.87
St Dev				0.73	0.58	0.74	0.65	0.49	1.39	0.81	0.05		2.60
Net Irr				0.50	4.67	5.50	6.58	6.73	2.85				26.84
Alfalfa (Dairy)				1.47	5.64	6.13	6.53	6.07	3.52	0.63	0.01		30.00
St Dev				0.73	0.49	0.61	0.44	0.39	1.00	0.79	0.03		2.39
Net Irr				0.50	4.47	5.47	6.09	5.62	2.87				25.03
Barley				0.79	4.09	8.09	6.07	0.20					19.24
St Dev				0.38	0.96	0.86	1.48	0.29					0.82
Net Irr					2.91	7.43	5.64						15.98
Other Hay				1.52	6.31	7.86	4.71	2.80	1.32	0.08			24.61
St Dev				0.77	0.69	0.80	0.84	0.18	0.22	0.10			1.30
Net Irr				0.56	5.13	7.20	4.28	2.35	0.68				20.20
Pasture			0.01	1.55	4.35	5.42	5.95	5.55	3.64	1.12	0.03		27.62
St Dev			0.04	0.57	0.41	0.54	0.38	0.30	0.52	0.74	0.11		1.96
Net Irr				0.59	3.17	4.76	5.52	5.10	2.99	0.40			22.53
Safflower					1.19	7.52	8.75	8.05	4.17	0.75			30.42
St Dev					0.82	0.98	0.55	0.42	0.91	0.52			2.36
Net Irr					0.02	6.86	8.32	7.59	3.52	0.03			26.34
Spring Grain				0.77	3.87	8.02	7.01	0.68					20.35
St Dev				0.36	0.93	0.90	1.28	0.58					0.80
Net Irr					2.70	7.36	6.57	0.23					16.85
Winter Wheat			0.46	1.45	4.37	8.01	4.53	0.12					18.94
St Dev			0.21	0.30	1.01	0.86	1.60	0.16					0.71
Net Irr				0.48	3.19	7.35	4.10						15.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: AMERICAN FALLS 6 NE

Aridity Index: 17%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.86, Long: -112.88, Elev: 4405 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden				0.01	1.38	3.15	5.99	6.39	1.79				18.72
St Dev				0.04	0.31	0.51	0.59	0.42	0.68				1.27
Net Irr					0.21	2.49	5.56	5.94	1.14				15.34
Turfgrass			0.02	1.75	3.64	4.78	5.25	4.91	3.37	1.21	0.04		24.98
St Dev			0.07	0.49	0.36	0.47	0.33	0.27	0.38	0.72	0.12		1.73
Net Irr				0.79	2.46	4.12	4.82	4.45	2.72	0.50			19.87
Open Water Deep	0.65	0.88	1.31	2.06	2.97	3.65	3.83	4.56	3.13	2.45	1.30	0.86	27.65
St Dev	0.11	0.21	0.29	0.34	0.35	0.52	0.38	0.36	0.36	0.29	0.22	0.14	1.67
Net Evap		0.12	0.29	1.09	1.80	2.99	3.39	4.11	2.48	1.73	0.39		18.40
Open Water Shallow	0.51	1.01	2.31	3.48	4.77	5.50	6.08	5.58	3.95	2.36	0.91	0.45	36.93
St Dev	0.08	0.18	0.31	0.33	0.32	0.39	0.29	0.23	0.28	0.20	0.14	0.07	1.32
Net Evap		0.26	1.29	2.51	3.60	4.84	5.64	5.13	3.30	1.65			28.23
Wetlands Large					0.10	3.82	8.56	8.58	5.28	1.09	0.01		27.45
St Dev					0.21	1.01	0.67	0.47	1.27	1.29	0.07		3.20
Net ET						3.16	8.13	8.13	4.63	0.38			24.42
Wetlands Narrow					0.12	5.09	12.19	12.26	7.54	1.56	0.02		38.78
St Dev					0.25	1.44	0.97	0.67	1.82	1.85	0.10		4.57
Net ET						4.43	11.76	11.81	6.89	0.84			35.74
ETr	0.52	1.07	2.86	4.80	6.70	7.97	8.75	8.18	5.73	3.41	1.22	0.52	51.74
St Dev	0.12	0.29	0.52	0.61	0.58	0.79	0.55	0.45	0.54	0.38	0.29	0.15	2.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ARBON 2 NW

Aridity Index: 14%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 42.5, Long: -112.58, Elev: 5210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.02	26.61	35.26	43.65	52.37	60.47	68.60	67.51	58.02	46.78	33.33	23.80	44.95
St Dev	5.22	4.91	4.12	3.28	2.41	2.79	3.26	2.50	2.53	2.46	3.72	4.19	1.50
Precip (in)	1.61	1.42	1.60	1.50	1.83	1.16	0.85	0.83	0.98	1.21	1.45	1.48	15.92
St Dev	1.12	0.94	0.82	0.77	1.27	0.73	0.81	0.67	0.96	0.83	0.82	1.01	4.44
Aridity Adj. (F)	0.28	0.27	0.38	0.52	0.77	0.95	0.80	0.78	0.80	0.73	0.50	0.34	0.59
Est. Dewpoint (F)	19.01	20.81	23.22	26.02	32.03	38.20	42.96	40.90	35.04	29.74	24.33	18.28	29.21
Rs (langley/day)	161	253	361	465	569	645	647	576	455	309	180	136	396
Wind (mpd)	131	128	156	177	147	134	117	119	117	127	127	124	134
Calc. Wind Limit (mpd)	104	122	132	132	132	124	109	108	97	100	105	103	114
.....Inches.....													
Alfalfa (Beef)				0.11	4.14	6.64	7.57	5.14	1.81	0.01			25.43
St Dev				0.08	0.73	0.43	1.13	1.48	1.52	0.04			3.42
Net Irr					2.68	5.72	6.89	4.48	1.02				20.78
Alfalfa (Dairy)				0.11	4.14	5.94	6.84	5.61	1.23	0.01			23.88
St Dev				0.08	0.73	0.39	0.53	1.42	1.25	0.04			2.81
Net Irr					2.68	5.01	6.15	4.94	0.44				19.23
Barley				0.07	1.90	6.20	9.15	3.58	0.01				20.90
St Dev				0.03	0.43	1.01	0.67	1.40	0.03				1.07
Net Irr					0.43	5.27	8.47	2.92					17.09
Other Hay				0.10	4.54	7.89	7.08	3.24	1.18	0.03			24.06
St Dev				0.07	0.72	0.77	0.62	0.21	0.44	0.07			1.46
Net Irr					3.08	6.96	6.39	2.58	0.39				19.40
Pasture				0.09	2.96	5.14	6.14	5.60	2.30	0.06			22.28
St Dev				0.04	0.37	0.48	0.48	0.41	1.04	0.13			1.69
Net Irr					1.49	4.21	5.46	4.93	1.51				17.60
Safflower						4.39	9.03	7.90	2.25	0.04			23.62
St Dev						0.56	0.71	0.79	1.22	0.08			2.25
Net Irr						3.47	8.35	7.24	1.46				20.51
Spring Grain				0.07	1.82	5.92	9.24	4.78	0.16				21.99
St Dev				0.03	0.40	1.00	0.70	1.37	0.22				1.39
Net Irr					0.35	5.00	8.56	4.11					18.02
Winter Wheat			0.10	1.06	2.24	6.23	8.76	2.39	0.02				20.80
St Dev			0.07	0.21	0.51	1.28	0.75	1.34	0.04				0.96
Net Irr					0.78	5.30	8.08	1.73					15.89

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ARBON 2 NW

Aridity Index: 14%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 42.5, Long: -112.58, Elev: 5210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.81	3.75	5.56	0.87				11.99
St Dev						0.17	0.30	0.79	1.03				1.62
Net Irr						0.88	3.07	4.89	0.08				8.93
Turfgrass				0.16	2.90	4.39	5.42	4.99	2.34	0.08			20.28
St Dev				0.07	0.33	0.41	0.42	0.32	0.94	0.18			1.50
Net Irr					1.43	3.47	4.74	4.32	1.55				15.51
Open Water Deep	0.42	0.48	0.97	1.56	2.44	3.08	4.06	4.53	2.62	2.04	1.02	0.53	23.77
St Dev	0.10	0.14	0.30	0.34	0.36	0.41	0.49	0.39	0.30	0.27	0.23	0.12	1.80
Net Evap				0.37	0.98	2.15	3.38	3.87	1.84	1.08			13.65
Open Water Shallow	0.36	0.79	2.00	3.14	4.42	5.16	5.88	5.41	3.72	2.17	0.78	0.34	34.20
St Dev	0.08	0.15	0.36	0.38	0.36	0.35	0.35	0.25	0.27	0.20	0.16	0.09	1.57
Net Evap			0.72	1.94	2.96	4.23	5.20	4.75	2.93	1.21			23.94
Wetlands Large						1.79	7.53	8.02	2.23	0.03			19.60
St Dev						0.59	1.03	1.72	1.83	0.15			3.67
Net ET						0.86	6.84	7.36	1.44				16.50
Wetlands Narrow						2.28	10.59	11.46	3.18	0.04			27.55
St Dev						0.78	1.50	2.46	2.62	0.21			5.23
Net ET						1.35	9.90	10.80	2.40				24.44
ETr	0.23	0.69	2.39	4.21	6.24	7.59	9.04	8.35	5.49	3.23	1.03	0.35	48.85
St Dev	0.15	0.24	0.60	0.71	0.69	0.71	0.71	0.50	0.55	0.43	0.33	0.20	2.95

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLISS 4 NW

Aridity Index: 14%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.95, Long: -115.01, Elev: 3275 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.22	33.33	42.00	49.50	58.06	66.12	73.76	72.11	62.33	51.31	38.30	29.26	50.36
St Dev	5.12	5.03	3.78	3.21	2.75	2.82	3.31	2.86	3.17	2.93	3.70	5.01	1.60
Precip (in)	1.35	1.04	1.02	0.88	0.83	0.56	0.24	0.29	0.50	0.78	1.39	1.23	10.10
St Dev	0.75	0.76	0.73	0.45	0.58	0.61	0.25	0.37	0.57	0.63	1.08	0.97	2.45
Aridity Adj. (F)	0.28	0.27	0.38	0.52	0.77	0.95	0.80	0.78	0.80	0.73	0.50	0.34	0.59
Est. Dewpoint (F)	21.54	24.61	27.48	31.37	38.03	44.48	49.54	47.18	39.86	32.43	27.59	22.43	33.88
Rs (langley/day)	159	247	353	472	577	648	652	562	446	307	179	135	395
Wind (mpd)	153	154	162	172	145	126	99	95	107	127	134	146	135
Calc. Wind Limit (mpd)	111	132	132	132	132	126	104	99	103	115	110	96	116
.....Inches.....													
Alfalfa (Beef)			0.01	2.75	7.01	7.84	7.73	7.34	5.59	1.17	0.02		39.47
St Dev			0.08	1.00	0.63	0.92	0.53	0.58	1.08	1.24	0.08		2.93
Net Irr				2.05	6.34	7.39	7.55	7.11	5.19	0.55			36.18
Alfalfa (Dairy)			0.01	2.75	6.32	7.07	7.72	6.97	4.81	1.27	0.01		36.93
St Dev			0.08	1.00	0.57	0.56	0.51	0.48	0.96	1.33	0.03		2.72
Net Irr				2.05	5.65	6.62	7.53	6.74	4.41	0.65			33.65
Barley			0.02	1.50	6.48	9.33	3.10						20.43
St Dev			0.07	0.64	1.10	0.76	1.46						0.56
Net Irr				0.79	5.82	8.88	2.91						18.40
Other Hay			0.01	2.79	8.02	8.66	4.67	2.96	1.33	0.03			28.48
St Dev			0.08	1.02	0.83	0.84	0.65	0.22	0.30	0.07			1.42
Net Irr				2.09	7.36	8.21	4.49	2.73	0.93				25.80
Pasture			0.09	2.43	5.37	6.37	6.94	6.24	4.43	1.98	0.12		33.98
St Dev			0.16	0.66	0.52	0.49	0.43	0.41	0.48	1.04	0.26		2.33
Net Irr				1.73	4.71	5.92	6.76	6.01	4.03	1.35			30.51
Safflower				0.01	2.85	9.25	10.21	8.98	4.82	0.92			37.04
St Dev				0.03	1.25	0.78	0.63	0.58	0.77	0.48			1.95
Net Irr					2.18	8.80	10.02	8.75	4.41	0.29			34.47
Spring Grain			0.02	1.44	6.22	9.50	4.46	0.02					21.65
St Dev			0.07	0.60	1.13	0.72	1.64	0.05					0.60
Net Irr				0.73	5.55	9.05	4.27						19.61
Winter Wheat		0.01	0.83	2.30	7.06	8.38	1.49						20.07
St Dev		0.03	0.27	0.68	1.16	1.13	1.04						0.54
Net Irr			0.02	1.60	6.40	7.93	1.30						17.24

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BLISS 4 NW

Aridity Index: 14%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.95, Long: -115.01, Elev: 3275 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.11	2.05	4.24	7.59	6.76	1.58				22.33
St Dev				0.18	0.34	0.63	0.64	0.56	0.62				1.15
Net Irr					1.38	3.79	7.40	6.53	1.18				20.28
Turfgrass			0.14	2.51	4.55	5.62	6.13	5.51	4.07	2.09	0.14		30.76
St Dev			0.24	0.49	0.47	0.43	0.38	0.37	0.36	0.97	0.28		2.01
Net Irr				1.81	3.88	5.17	5.94	5.28	3.66	1.47			27.21
Open Water Deep	1.27	1.58	2.25	2.81	4.04	4.96	5.45	5.65	4.18	3.91	2.07	1.15	39.31
St Dev	0.21	0.35	0.39	0.43	0.52	0.57	0.60	0.55	0.46	0.45	0.34	0.19	2.29
Net Evap	0.19	0.74	1.44	2.11	3.38	4.51	5.26	5.42	3.78	3.28	0.95	0.16	31.22
Open Water Shallow	0.77	1.34	2.71	3.90	5.25	5.95	6.54	5.84	4.26	2.79	1.21	0.67	41.23
St Dev	0.10	0.23	0.31	0.34	0.37	0.35	0.33	0.30	0.28	0.22	0.18	0.11	1.44
Net Evap		0.51	1.90	3.20	4.59	5.50	6.35	5.61	3.86	2.16	0.09		33.77
Wetlands Large					0.57	5.92	10.50	9.64	6.92	2.12	0.02		35.70
St Dev					0.51	1.11	0.69	0.64	0.89	1.91	0.10		3.43
Net ET						5.48	10.31	9.41	6.51	1.50			33.22
Wetlands Narrow					0.68	8.13	14.99	13.77	9.88	3.03	0.03		50.52
St Dev					0.66	1.64	0.99	0.92	1.27	2.73	0.14		4.89
Net ET					0.01	7.68	14.81	13.55	9.48	2.41			47.93
ETr	1.12	1.88	4.05	5.86	8.05	9.37	10.21	9.18	6.83	4.86	2.05	1.02	64.51
St Dev	0.17	0.44	0.62	0.69	0.76	0.71	0.63	0.61	0.56	0.51	0.42	0.21	2.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BUHL 2

Aridity Index: 15%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.6, Long: -114.74, Elev: 3800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.07	31.91	40.32	47.07	55.49	63.60	72.14	70.76	60.63	49.56	36.42	27.73	48.56
St Dev	4.92	4.39	3.28	3.72	2.86	2.78	3.57	2.84	3.24	2.66	3.92	3.92	1.66
Precip (in)	0.96	0.67	0.96	0.97	1.17	0.63	0.38	0.30	0.46	0.81	0.92	1.01	9.25
St Dev	0.73	0.60	0.67	0.61	1.00	0.66	0.47	0.42	0.59	0.62	0.63	1.12	2.52
Aridity Adj. (F)	0.30	0.29	0.41	0.56	0.83	1.02	0.86	0.84	0.86	0.78	0.54	0.36	0.64
Est. Dewpoint (F)	20.75	23.79	27.36	31.39	38.62	44.81	51.32	49.57	41.02	33.33	26.93	21.40	34.19
Rs (langley/day)	164	254	361	475	588	654	659	577	454	311	183	137	401
Wind (mpd)	146	148	154	161	138	121	97	92	103	121	127	138	129
Calc. Wind Limit (mpd)	107	132	132	132	132	120	101	96	98	109	105	96	113
.....Inches.....													
Alfalfa (Beef)			0.01	2.21	6.22	6.56	7.01	6.98	4.79	1.61	0.01		35.40
St Dev			0.05	0.79	0.53	0.80	0.47	0.53	0.90	0.93	0.06		2.39
Net Irr				1.43	5.28	6.05	6.71	6.74	4.42	0.96			31.60
Alfalfa (Dairy)			0.01	2.21	5.75	6.29	6.93	6.15	4.25	1.61	0.01		33.21
St Dev			0.05	0.79	0.49	0.39	0.50	0.37	0.65	1.01	0.03		2.29
Net Irr				1.43	4.81	5.78	6.63	5.92	3.88	0.96			29.42
Barley			0.01	1.16	5.05	8.34	4.43	0.02					19.02
St Dev			0.05	0.46	1.00	0.56	1.63	0.09					0.78
Net Irr				0.38	4.11	7.83	4.13						16.45
Other Hay			0.01	2.31	6.89	7.63	4.25	2.66	1.18	0.03			24.97
St Dev			0.05	0.85	0.71	0.66	0.53	0.15	0.24	0.07			1.15
Net Irr				1.54	5.95	7.13	3.95	2.42	0.81				21.80
Pasture			0.07	2.09	4.64	5.56	6.23	5.56	3.94	2.11	0.18		30.38
St Dev			0.12	0.56	0.44	0.38	0.43	0.28	0.36	0.68	0.27		2.09
Net Irr				1.31	3.70	5.06	5.93	5.32	3.57	1.47			26.36
Safflower					2.21	8.05	9.16	8.07	4.45	0.99			32.94
St Dev					1.05	0.65	0.63	0.40	0.59	0.39			1.81
Net Irr					1.28	7.54	8.86	7.83	4.09	0.34			29.93
Spring Grain			0.01	1.12	4.79	8.36	5.66	0.18					20.13
St Dev			0.05	0.43	1.01	0.60	1.53	0.29					0.82
Net Irr				0.34	3.86	7.85	5.36						17.41
Winter Wheat			0.73	1.77	5.40	8.02	2.89	0.02					18.82
St Dev			0.25	0.46	1.16	0.57	1.61	0.06					0.74
Net Irr				0.99	4.46	7.51	2.59						15.55

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BUHL 2

Aridity Index: 15%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.6, Long: -114.74, Elev: 3800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden				0.06	1.72	3.61	6.74	6.13	1.59				19.85
St Dev				0.13	0.29	0.50	0.70	0.38	0.52				0.94
Net Irr					0.78	3.10	6.44	5.89	1.22				17.44
Turfgrass			0.11	2.16	3.92	4.91	5.50	4.91	3.55	2.16	0.21		27.43
St Dev			0.19	0.42	0.40	0.34	0.38	0.25	0.27	0.62	0.31		1.82
Net Irr				1.39	2.98	4.40	5.20	4.67	3.18	1.51			23.33
Open Water Deep	1.16	1.47	1.99	2.36	3.30	3.97	4.56	4.76	3.49	3.24	1.77	1.07	33.12
St Dev	0.20	0.28	0.35	0.38	0.43	0.41	0.53	0.42	0.39	0.37	0.30	0.15	1.98
Net Evap	0.39	0.93	1.22	1.58	2.36	3.46	4.26	4.52	3.12	2.60	1.03	0.26	25.72
Open Water Shallow	0.76	1.32	2.63	3.70	5.05	5.70	6.39	5.76	4.13	2.63	1.14	0.65	39.86
St Dev	0.10	0.21	0.32	0.32	0.38	0.32	0.37	0.25	0.27	0.22	0.16	0.09	1.39
Net Evap		0.78	1.87	2.92	4.11	5.20	6.09	5.52	3.76	1.98	0.40		32.63
Wetlands Large					0.39	4.95	9.37	8.59	6.10	2.79	0.03		32.21
St Dev					0.38	0.98	0.75	0.44	0.66	1.53	0.10		3.10
Net ET						4.44	9.07	8.35	5.73	2.14			29.73
Wetlands Narrow					0.46	6.76	13.37	12.27	8.71	3.98	0.04		45.60
St Dev					0.49	1.44	1.08	0.62	0.94	2.18	0.14		4.43
Net ET						6.25	13.07	12.04	8.35	3.34			43.04
ETr	1.04	1.74	3.62	5.09	6.96	8.18	9.16	8.18	5.92	4.01	1.73	0.94	56.57
St Dev	0.17	0.36	0.57	0.55	0.66	0.56	0.63	0.42	0.46	0.41	0.31	0.17	2.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BURLEY MUNI AP

Aridity Index: 34%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.54, Long: -113.77, Elev: 4142 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.39	32.40	40.38	47.26	55.40	63.58	70.75	69.17	59.72	49.13	36.85	28.43	48.37
St Dev	5.45	4.77	3.61	3.43	2.86	2.83	2.87	2.92	3.29	2.71	3.99	4.50	2.01
Precip (in)	1.08	0.78	1.05	1.04	1.31	0.81	0.34	0.41	0.60	0.71	0.98	1.08	10.19
St Dev	0.74	0.67	0.72	0.69	1.08	0.66	0.33	0.41	0.54	0.47	0.60	0.97	2.86
Aridity Adj. (F)	0.68	0.65	0.92	1.26	1.87	2.31	1.94	1.90	1.94	1.77	1.22	0.82	1.44
Est. Dewpoint (F)	20.97	23.99	27.42	30.48	37.31	44.34	49.95	46.47	39.43	31.91	26.66	21.60	33.38
Rs (langleys/day)	164	254	363	485	583	656	653	567	450	317	185	140	401
Wind (mpd)	175	173	187	202	171	141	103	102	114	143	155	171	153
Calc. Wind Limit (mpd)	118	132	132	132	132	132	118	115	121	132	118	116	125
.....Inches.....													
Alfalfa (Beef)			0.01	2.27	6.22	6.61	7.11	7.17	4.66	1.16	0.01		35.24
St Dev			0.06	0.86	0.61	0.85	0.56	0.58	1.29	1.07	0.07		3.20
Net Irr				1.44	5.17	5.97	6.84	6.84	4.18	0.59			31.04
Alfalfa (Dairy)			0.01	2.27	5.86	6.40	6.88	6.29	4.27	0.96	0.01		32.94
St Dev			0.06	0.86	0.57	0.55	0.53	0.42	0.89	0.95	0.02		2.77
Net Irr				1.44	4.81	5.75	6.61	5.96	3.79	0.39			28.75
Barley			0.01	1.16	4.85	8.46	5.36	0.12					19.96
St Dev			0.05	0.50	1.13	0.70	1.78	0.27					0.71
Net Irr				0.34	3.80	7.81	5.09						17.03
Other Hay			0.01	2.38	6.92	7.77	4.23	2.72	1.23	0.03			25.29
St Dev			0.06	0.90	0.74	0.74	0.57	0.13	0.27	0.06			1.30
Net Irr				1.56	5.87	7.12	3.96	2.40	0.75				21.65
Pasture			0.08	2.11	4.65	5.67	6.20	5.71	4.00	1.57	0.04		30.02
St Dev			0.13	0.59	0.47	0.46	0.45	0.33	0.60	0.96	0.13		2.58
Net Irr				1.29	3.60	5.02	5.93	5.38	3.52	1.00			25.73
Safflower					2.20	8.18	9.12	8.22	4.36	0.81			32.90
St Dev					1.11	0.79	0.67	0.50	0.91	0.50			2.69
Net Irr					1.15	7.53	8.84	7.90	3.88	0.24			29.55
Spring Grain			0.01	1.13	4.61	8.45	6.44	0.45					21.09
St Dev			0.05	0.47	1.12	0.74	1.65	0.53					0.74
Net Irr				0.30	3.56	7.81	6.17	0.12					17.96
Winter Wheat			0.72	1.77	5.20	8.22	3.67	0.08					19.67
St Dev			0.25	0.47	1.25	0.79	1.85	0.18					0.72
Net Irr				0.94	4.14	7.58	3.40						16.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BURLEY MUNI AP

Aridity Index: 34%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.54, Long: -113.77, Elev: 4142 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.08	1.71	3.69	6.70	6.28	1.42				19.88
St Dev				0.14	0.31	0.58	0.72	0.39	0.59				1.18
Net Irr					0.66	3.04	6.43	5.95	0.93				17.02
Turfgrass			0.13	2.19	3.93	5.00	5.47	5.04	3.70	1.71	0.05		27.21
St Dev			0.20	0.44	0.42	0.41	0.40	0.29	0.44	0.94	0.16		2.26
Net Irr				1.37	2.88	4.35	5.20	4.72	3.21	1.14			22.86
Open Water Deep	1.25	1.46	1.90	2.34	3.18	4.02	4.32	4.90	3.73	3.74	1.97	1.30	34.11
St Dev	0.23	0.32	0.34	0.39	0.42	0.49	0.50	0.49	0.47	0.42	0.33	0.22	2.34
Net Evap	0.39	0.84	1.06	1.51	2.13	3.37	4.05	4.57	3.25	3.17	1.18	0.44	25.96
Open Water Shallow	0.77	1.33	2.61	3.75	4.95	5.67	6.19	5.60	4.06	2.69	1.16	0.68	39.45
St Dev	0.12	0.23	0.30	0.35	0.37	0.35	0.36	0.26	0.29	0.21	0.17	0.12	1.50
Net Evap		0.70	1.77	2.92	3.90	5.02	5.92	5.27	3.58	2.12	0.38		31.58
Wetlands Large					0.37	4.98	9.29	8.82	6.28	1.85	0.02		31.61
St Dev					0.40	1.10	0.78	0.52	0.99	1.61	0.09		3.83
Net ET						4.33	9.02	8.50	5.80	1.28			28.93
Wetlands Narrow					0.43	6.80	13.25	12.61	8.97	2.64	0.03		44.73
St Dev					0.50	1.62	1.12	0.74	1.41	2.30	0.12		5.47
Net ET						6.15	12.98	12.28	8.49	2.07			41.98
ETr	1.08	1.79	3.59	5.22	6.98	8.33	9.12	8.40	6.26	4.47	1.89	1.08	58.21
St Dev	0.22	0.42	0.55	0.64	0.68	0.68	0.67	0.49	0.60	0.50	0.37	0.27	2.83

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CASTLEFORD 2 N

Aridity Index: 12%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.55, Long: -114.87, Elev: 3825 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.29	33.73	41.63	48.55	56.47	64.44	71.42	69.59	60.57	50.10	37.38	28.36	49.21
St Dev	4.85	4.29	2.89	3.05	2.42	2.54	3.05	2.15	2.57	2.24	3.76	4.61	1.50
Precip (in)	1.15	0.80	0.98	1.10	1.19	0.72	0.23	0.30	0.52	0.67	1.02	0.95	9.64
St Dev	0.85	0.63	0.76	0.73	0.80	0.65	0.29	0.43	0.64	0.58	0.74	0.80	2.84
Aridity Adj. (F)	0.24	0.23	0.32	0.44	0.66	0.82	0.68	0.67	0.68	0.62	0.43	0.29	0.51
Est. Dewpoint (F)	21.65	24.87	27.34	30.89	37.05	43.26	48.40	46.42	39.57	32.65	27.21	21.52	33.40
Rs (langley/day)	167	257	361	486	593	661	662	574	458	319	189	141	406
Wind (mpd)	148	150	156	164	140	122	97	93	104	123	129	140	130
Calc. Wind Limit (mpd)	108	132	132	132	132	122	102	96	99	110	106	96	114
.....Inches.....													
Alfalfa (Beef)				2.84	6.87	7.48	7.29	6.93	5.11	1.08	0.02		37.61
St Dev				0.82	0.67	0.88	0.43	0.50	1.06	0.95	0.08		2.42
Net Irr				1.96	5.91	6.91	7.10	6.69	4.69	0.54			33.81
Alfalfa (Dairy)				2.84	6.19	6.84	7.29	6.45	4.30	1.12			35.04
St Dev				0.82	0.55	0.56	0.46	0.37	1.00	1.10			2.38
Net Irr				1.96	5.24	6.26	7.11	6.21	3.88	0.58			31.24
Barley			0.02	1.50	6.16	9.12	3.71						20.52
St Dev			0.04	0.51	0.98	0.74	1.49						0.79
Net Irr				0.62	5.21	8.54	3.53						17.91
Other Hay				2.94	7.83	8.19	4.24	2.71	1.15	0.01			27.07
St Dev				0.83	0.76	0.84	0.47	0.16	0.24	0.04			1.44
Net Irr				2.06	6.87	7.62	4.06	2.46	0.73				23.80
Pasture			0.11	2.53	5.22	6.12	6.56	5.79	4.05	1.74	0.05		32.17
St Dev			0.12	0.54	0.49	0.49	0.39	0.29	0.49	0.89	0.13		2.09
Net Irr				1.65	4.27	5.54	6.37	5.55	3.63	1.20			28.22
Safflower					3.03	8.93	9.64	8.32	4.35	0.79			35.05
St Dev					1.06	0.76	0.58	0.44	0.78	0.42			2.02
Net Irr					2.07	8.36	9.46	8.08	3.93	0.26			32.14
Spring Grain			0.02	1.45	5.89	9.20	5.09	0.07					21.72
St Dev			0.04	0.48	0.99	0.75	1.53	0.17					0.81
Net Irr				0.57	4.94	8.63	4.91						19.04
Winter Wheat			0.87	2.15	6.63	8.55	2.04						20.25
St Dev			0.23	0.47	1.05	0.87	1.22						0.80
Net Irr			0.08	1.27	5.68	7.98	1.86						16.86

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CASTLEFORD 2 N

Aridity Index: 12%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.55, Long: -114.87, Elev: 3825 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.13	2.04	4.15	7.27	6.20	1.29				21.09
St Dev				0.16	0.28	0.53	0.59	0.41	0.45				0.94
Net Irr					1.08	3.58	7.09	5.96	0.87				18.59
Turfgrass			0.18	2.53	4.44	5.40	5.79	5.12	3.73	1.88	0.07		29.12
St Dev			0.19	0.39	0.42	0.44	0.35	0.25	0.35	0.87	0.16		1.82
Net Irr				1.65	3.48	4.82	5.60	4.87	3.31	1.34			25.08
Open Water Deep	1.24	1.62	2.21	2.69	3.78	4.53	4.86	4.92	3.68	3.47	1.90	1.13	36.02
St Dev	0.18	0.31	0.32	0.39	0.45	0.50	0.49	0.35	0.35	0.32	0.30	0.17	1.66
Net Evap	0.33	0.98	1.42	1.81	2.82	3.95	4.67	4.68	3.26	2.94	1.08	0.36	28.31
Open Water Shallow	0.80	1.41	2.75	3.92	5.24	5.91	6.43	5.73	4.19	2.74	1.21	0.68	41.03
St Dev	0.10	0.22	0.27	0.33	0.37	0.36	0.32	0.22	0.25	0.18	0.16	0.10	1.18
Net Evap		0.77	1.96	3.04	4.29	5.34	6.25	5.48	3.77	2.21	0.39		33.51
Wetlands Large					0.63	5.91	9.97	8.95	6.27	2.09	0.02		33.84
St Dev					0.38	0.99	0.64	0.44	0.92	1.70	0.09		2.95
Net ET						5.34	9.79	8.71	5.85	1.55			31.24
Wetlands Narrow					0.74	8.15	14.23	12.79	8.96	2.98	0.02		47.88
St Dev					0.48	1.46	0.91	0.63	1.31	2.43	0.13		4.20
Net ET						7.57	14.05	12.55	8.54	2.45			45.16
ETr	1.12	1.95	4.00	5.71	7.77	9.00	9.64	8.53	6.29	4.37	1.90	1.02	61.29
St Dev	0.17	0.41	0.51	0.63	0.73	0.73	0.58	0.42	0.48	0.37	0.34	0.21	2.33

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRACE

Aridity Index: 12%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 42.59, Long: -111.73, Elev: 5550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.10	24.51	33.12	42.59	51.12	59.20	66.65	65.37	56.31	45.32	32.24	22.60	43.34
St Dev	4.88	4.43	5.06	3.39	2.45	2.64	3.07	2.53	2.64	2.66	3.73	4.47	1.74
Precip (in)	1.23	1.04	1.35	1.40	2.14	1.31	0.99	1.22	1.32	1.40	1.11	1.18	15.70
St Dev	0.88	0.78	0.66	0.83	1.42	0.79	0.82	0.88	1.05	0.85	0.71	0.94	4.52
Aridity Adj. (F)	0.24	0.23	0.32	0.44	0.66	0.82	0.68	0.67	0.68	0.62	0.43	0.29	0.51
Est. Dewpoint (F)	17.15	19.54	23.22	25.30	31.23	36.89	40.83	39.18	33.03	27.61	21.60	16.56	27.68
Rs (langley/day)	157	228	366	481	537	632	619	530	430	309	187	130	384
Wind (mpd)	134	138	135	147	141	143	126	129	123	123	124	127	132
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				0.25	3.57	6.17	6.88	4.71	1.16				22.74
St Dev				0.24	0.77	0.45	1.08	1.06	1.34				3.06
Net Irr					1.86	5.12	6.08	3.73	0.11				16.91
Alfalfa (Dairy)				0.25	3.57	5.56	6.33	5.08	0.82				21.61
St Dev				0.24	0.77	0.40	0.60	1.11	1.12				2.71
Net Irr					1.86	4.51	5.53	4.11					16.01
Barley				0.15	1.67	5.53	8.54	4.14	0.09				20.10
St Dev				0.11	0.46	1.08	0.76	1.35	0.17				1.02
Net Irr						4.48	7.74	3.16					15.39
Corn						1.31	4.28	6.73	1.61	0.01			13.94
St Dev						0.25	1.16	1.16	1.54	0.06			2.80
Net Irr						0.27	3.48	5.76	0.55				10.06
Melon						1.54	4.91	4.09	0.36				10.90
St Dev						0.31	0.60	0.97	0.63				1.85
Net Irr						0.49	4.12	3.11					7.72
Other Hay				0.25	4.04	7.17	6.33	2.92	0.98	0.01			21.69
St Dev				0.24	0.86	0.74	0.87	0.25	0.44	0.04			1.63
Net Irr					2.32	6.13	5.53	1.94					15.93
Pasture				0.24	2.79	4.70	5.70	5.03	1.87	0.02			20.37
St Dev				0.13	0.39	0.47	0.55	0.50	0.98	0.08			1.98
Net Irr					1.08	3.66	4.91	4.06	0.82				14.52
Potato						1.40	4.39	5.61	1.54	0.07	0.03	0.01	13.05
St Dev						0.24	0.90	0.70	1.27	0.40	0.19	0.07	1.82
Net Irr						0.35	3.59	4.63	0.49				9.07
Safflower						3.93	8.37	7.02	1.76	0.01			21.10
St Dev						0.83	0.82	0.87	1.09	0.04			2.55
Net Irr						2.88	7.58	6.05	0.71				17.22
Sorghum						1.69	5.36	6.18	1.37	0.01			14.61
St Dev						0.31	0.76	1.23	1.50	0.06			2.80
Net Irr						0.65	4.56	5.21	0.32				10.73
Spring Grain				0.15	1.60	5.28	8.58	5.06	0.29				20.95
St Dev				0.11	0.43	1.07	0.82	1.19	0.38				1.36
Net Irr						4.24	7.79	4.08					16.11
Winter Wheat			0.03	0.94	1.84	5.27	8.35	3.22	0.09				19.75
St Dev			0.03	0.21	0.42	1.25	0.71	1.39	0.14				0.91
Net Irr					0.13	4.23	7.56	2.25					14.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GRACE

Aridity Index: 12%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 42.59, Long: -111.73, Elev: 5550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.71	3.55	4.89	0.55				10.71
St Dev						0.18	0.35	0.86	0.84				1.71
Net Irr						0.67	2.75	3.92					7.34
Small Fruit						1.54	5.38	6.64	0.58				14.14
St Dev						0.20	0.59	0.99	0.88				2.01
Net Irr						0.50	4.58	5.67					10.75
Turfgrass				0.39	2.58	4.06	5.03	4.51	1.96	0.03			18.57
St Dev				0.21	0.29	0.42	0.49	0.41	0.93	0.10			1.77
Net Irr					0.87	3.02	4.24	3.54	0.91				12.57
Open Water Deep	0.33	0.28	0.50	1.08	1.69	2.33	3.43	3.75	2.52	1.94	1.01	0.49	19.34
St Dev	0.09	0.11	0.18	0.24	0.24	0.33	0.50	0.40	0.30	0.26	0.20	0.11	1.78
Net Evap						1.28	2.64	2.77	1.47	0.82	0.11		9.09
Open Water Shallow	0.32	0.64	1.79	3.06	4.03	4.90	5.52	4.90	3.52	2.13	0.84	0.33	31.98
St Dev	0.09	0.12	0.30	0.38	0.33	0.36	0.40	0.29	0.25	0.20	0.15	0.09	1.81
Net Evap			0.71	1.94	2.32	3.85	4.73	3.93	2.46	1.01			20.95
Wetlands Large						1.30	6.51	7.22	1.60	0.01			16.65
St Dev						0.69	1.27	1.44	1.75	0.07			3.75
Net ET						0.26	5.72	6.25	0.55				12.77
Wetlands Narrow						1.64	9.11	10.32	2.29	0.02			23.37
St Dev						0.91	1.87	2.06	2.50	0.11			5.35
Net ET						0.59	8.32	9.34	1.23				19.49
ETr	0.24	0.61	1.97	3.87	5.46	6.93	8.38	7.59	5.36	3.24	1.17	0.41	45.23
St Dev	0.21	0.24	0.45	0.63	0.57	0.68	0.81	0.62	0.53	0.43	0.31	0.20	3.46

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HAGERMAN 2 SW

Aridity Index: 21%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.8, Long: -114.92, Elev: 2875 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.43	36.14	44.31	50.69	59.71	67.44	74.54	72.43	62.59	51.95	39.52	30.48	51.77
St Dev	4.12	4.27	3.16	3.32	2.65	2.44	2.73	2.25	2.83	2.18	3.52	4.25	1.39
Precip (in)	1.12	0.92	1.04	0.76	1.11	0.59	0.23	0.33	0.39	0.71	1.12	1.29	9.61
St Dev	0.75	0.79	0.68	0.39	0.99	0.65	0.28	0.47	0.41	0.57	0.77	1.23	2.83
Aridity Adj. (F)	0.42	0.40	0.57	0.78	1.16	1.43	1.20	1.18	1.20	1.09	0.76	0.50	0.89
Est. Dewpoint (F)	23.32	25.22	28.45	31.64	38.83	44.64	48.76	45.79	37.51	30.47	27.06	22.31	33.67
Rs (langley/day)	162	250	359	475	586	644	652	570	453	315	185	137	399
Wind (mpd)	151	152	159	169	143	124	98	94	105	125	131	143	133
Calc. Wind Limit (mpd)	110	132	132	132	132	124	103	97	101	113	108	96	115
.....Inches.....													
Alfalfa (Beef)			0.05	3.44	6.97	8.46	8.00	7.29	5.76	0.65			40.62
St Dev			0.18	1.09	0.56	0.84	0.64	0.45	0.94	0.82			2.62
Net Irr				2.83	6.08	7.99	7.81	7.03	5.45	0.09			37.29
Alfalfa (Dairy)			0.05	3.44	6.43	7.15	7.93	7.18	4.98	0.76			37.91
St Dev			0.18	1.09	0.60	0.41	0.47	0.37	0.90	1.01			2.83
Net Irr				2.83	5.54	6.68	7.74	6.92	4.66	0.20			34.57
Barley			0.06	1.91	7.26	9.23	2.22						20.68
St Dev			0.12	0.77	1.14	0.71	1.30						0.69
Net Irr				1.30	6.37	8.76	2.04						18.47
Other Hay			0.04	3.48	8.51	8.43	4.49	2.95	1.23				29.13
St Dev			0.17	1.10	0.84	0.77	0.45	0.15	0.31				1.30
Net Irr				2.87	7.62	7.96	4.30	2.69	0.92				26.36
Pasture			0.21	2.90	5.65	6.52	7.15	6.45	4.73	2.15	0.07		35.84
St Dev			0.26	0.66	0.53	0.40	0.42	0.35	0.48	1.02	0.20		2.63
Net Irr				2.29	4.76	6.05	6.96	6.19	4.41	1.59			32.26
Safflower				0.01	3.82	9.54	10.51	9.23	4.93	0.84			38.88
St Dev				0.09	1.49	0.62	0.62	0.46	0.75	0.44			2.17
Net Irr					2.93	9.08	10.33	8.96	4.61	0.28			36.18
Spring Grain			0.06	1.83	7.02	9.55	3.48						21.94
St Dev			0.12	0.72	1.18	0.57	1.56						0.76
Net Irr				1.22	6.13	9.08	3.30						19.73
Winter Wheat		0.02	1.05	2.78	7.85	7.63	0.90						20.22
St Dev		0.07	0.31	0.89	1.12	1.31	0.78						0.63
Net Irr			0.22	2.17	6.96	7.16	0.72						17.22

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HAGERMAN 2 SW

Aridity Index: 21%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.8, Long: -114.92, Elev: 2875 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.23	2.29	4.63	8.05	6.65	1.32				23.18
St Dev				0.27	0.37	0.69	0.64	0.60	0.60				0.91
Net Irr					1.40	4.16	7.87	6.39	1.01				20.82
Turfgrass			0.32	2.79	4.83	5.75	6.31	5.70	4.34	2.33	0.09		32.47
St Dev			0.36	0.45	0.48	0.35	0.37	0.31	0.37	0.97	0.22		2.33
Net Irr				2.19	3.94	5.28	6.12	5.44	4.03	1.77			28.76
Open Water Deep	1.48	1.91	2.54	2.99	4.29	5.14	5.64	5.76	4.34	4.11	2.22	1.26	41.68
St Dev	0.22	0.42	0.41	0.49	0.54	0.48	0.54	0.45	0.45	0.41	0.34	0.21	2.34
Net Evap	0.59	1.18	1.70	2.38	3.40	4.68	5.45	5.50	4.03	3.54	1.32	0.23	33.99
Open Water Shallow	0.89	1.51	2.89	3.99	5.41	5.99	6.58	5.92	4.34	2.90	1.30	0.73	42.44
St Dev	0.12	0.26	0.31	0.38	0.38	0.28	0.30	0.24	0.26	0.21	0.17	0.12	1.51
Net Evap		0.77	2.05	3.38	4.52	5.52	6.40	5.65	4.02	2.33	0.41		35.07
Wetlands Large					0.94	6.73	10.93	9.97	7.06	1.39			37.01
St Dev					0.68	1.20	0.67	0.54	1.11	1.51			3.67
Net ET					0.05	6.26	10.74	9.71	6.75	0.82			34.32
Wetlands Narrow					1.14	9.33	15.60	14.25	10.09	1.98			52.39
St Dev					0.89	1.78	0.96	0.77	1.58	2.16			5.23
Net ET					0.25	8.86	15.42	13.98	9.77	1.42			49.70
ETr	1.40	2.37	4.49	6.13	8.38	9.59	10.51	9.50	7.27	5.35	2.33	1.21	68.52
St Dev	0.25	0.59	0.66	0.78	0.79	0.59	0.62	0.51	0.59	0.58	0.43	0.27	3.48

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HAZELTON

Aridity Index: 33%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.6, Long: -114.14, Elev: 4060 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.73	31.48	39.78	46.93	55.52	64.06	71.90	70.12	60.29	49.05	36.52	27.73	48.34
St Dev	4.94	4.88	3.64	3.03	2.90	3.07	3.04	2.45	2.59	2.38	3.76	4.28	1.40
Precip (in)	1.33	0.95	1.05	0.87	1.11	0.63	0.23	0.26	0.60	0.76	1.26	1.45	10.51
St Dev	0.93	0.87	0.66	0.62	0.79	0.52	0.28	0.32	0.55	0.57	0.84	1.25	2.90
Aridity Adj. (F)	0.66	0.63	0.89	1.22	1.82	2.24	1.88	1.85	1.88	1.72	1.19	0.79	1.40
Est. Dewpoint (F)	19.53	22.24	25.82	28.90	35.66	42.37	48.22	45.68	37.30	29.59	25.29	20.13	31.73
Rs (langley/day)	164	258	368	488	597	664	664	581	461	319	186	140	407
Wind (mpd)	154	155	163	173	147	127	98	95	106	127	135	147	136
Calc. Wind Limit (mpd)	109	132	132	132	132	131	106	101	105	119	108	97	117
.....Inches.....													
Alfalfa (Beef)			0.01	2.29	6.64	6.85	7.48	7.39	4.36	0.79			35.81
St Dev			0.07	0.93	0.70	0.85	0.58	0.62	1.56	0.82			2.92
Net Irr				1.59	5.75	6.34	7.30	7.19	3.88	0.18			32.22
Alfalfa (Dairy)			0.01	2.29	6.21	6.74	7.22	6.45	3.99	0.68			33.59
St Dev			0.07	0.93	0.54	0.55	0.47	0.41	1.36	0.75			2.46
Net Irr				1.59	5.32	6.23	7.04	6.24	3.51	0.07			30.00
Barley			0.01	1.18	5.10	8.93	5.44	0.06					20.72
St Dev			0.06	0.53	1.16	0.80	1.73	0.15					0.75
Net Irr				0.48	4.21	8.42	5.26						18.36
Other Hay			0.01	2.41	7.29	8.22	4.52	2.81	1.32	0.04			26.63
St Dev			0.07	0.99	0.82	0.80	0.68	0.15	0.28	0.09			1.36
Net Irr				1.71	6.40	7.71	4.34	2.61	0.85				23.62
Pasture			0.07	2.18	4.91	5.96	6.52	5.87	4.26	1.70	0.04		31.50
St Dev			0.14	0.67	0.51	0.51	0.39	0.34	0.40	0.88	0.10		2.21
Net Irr				1.48	4.02	5.45	6.34	5.66	3.78	1.09			27.82
Safflower				0.01	2.35	8.61	9.59	8.48	4.70	0.91			34.64
St Dev				0.04	1.24	0.83	0.58	0.48	0.72	0.48			2.20
Net Irr					1.47	8.11	9.40	8.27	4.22	0.30			31.76
Spring Grain			0.01	1.14	4.85	8.92	6.62	0.31					21.85
St Dev			0.06	0.50	1.14	0.83	1.56	0.41					0.78
Net Irr				0.44	3.96	8.41	6.43	0.11					19.35
Winter Wheat			0.72	1.79	5.40	8.73	3.74	0.05					20.44
St Dev			0.26	0.50	1.25	0.88	1.73	0.09					0.71
Net Irr				1.09	4.52	8.22	3.56						17.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: HAZELTON

Aridity Index: 33%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.6, Long: -114.14, Elev: 4060 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden				0.08	1.80	3.85	7.02	6.47	1.55				20.77
St Dev				0.13	0.32	0.62	0.64	0.38	0.57				1.10
Net Irr					0.92	3.34	6.83	6.27	1.07				18.43
Turfgrass			0.11	2.27	4.15	5.26	5.75	5.18	3.92	1.86	0.05		28.55
St Dev			0.20	0.51	0.46	0.45	0.35	0.30	0.32	0.85	0.13		1.97
Net Irr				1.58	3.26	4.75	5.57	4.97	3.44	1.25			24.82
Open Water Deep	1.19	1.49	1.97	2.47	3.48	4.36	4.74	4.96	3.84	3.61	1.86	1.11	35.09
St Dev	0.21	0.34	0.37	0.41	0.48	0.55	0.47	0.42	0.37	0.39	0.30	0.17	1.92
Net Evap	0.12	0.73	1.13	1.77	2.59	3.85	4.56	4.75	3.37	3.00	0.85		26.73
Open Water Shallow	0.77	1.34	2.64	3.80	5.12	5.82	6.40	5.76	4.20	2.72	1.17	0.68	40.42
St Dev	0.11	0.24	0.35	0.37	0.41	0.38	0.31	0.25	0.25	0.21	0.16	0.10	1.42
Net Evap		0.59	1.80	3.10	4.23	5.31	6.22	5.55	3.72	2.11	0.16		32.79
Wetlands Large					0.42	5.29	9.78	9.07	6.13	1.41			32.10
St Dev					0.49	1.20	0.64	0.52	1.54	1.44			3.50
Net ET						4.79	9.60	8.86	5.66	0.79			29.69
Wetlands Narrow					0.50	7.23	13.96	12.95	8.76	2.01			45.41
St Dev					0.62	1.76	0.92	0.74	2.20	2.06			5.00
Net ET						6.72	13.78	12.74	8.28	1.40			42.92
ETr	1.11	1.84	3.69	5.43	7.40	8.76	9.59	8.63	6.56	4.61	1.92	1.04	60.57
St Dev	0.20	0.45	0.62	0.71	0.77	0.74	0.58	0.49	0.52	0.50	0.35	0.21	2.83

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: JEROME

Aridity Index: 50%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.73, Long: -114.52, Elev: 3740 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.53	32.26	40.42	47.82	56.56	65.38	73.66	72.08	61.93	50.64	37.47	28.46	49.52
St Dev	4.63	4.89	3.88	3.00	2.88	3.08	3.34	2.65	2.85	2.62	3.77	4.64	1.64
Precip (in)	1.33	0.99	1.20	1.01	1.13	0.68	0.21	0.26	0.47	0.81	1.24	1.41	10.74
St Dev	0.89	0.81	0.68	0.62	0.95	0.65	0.23	0.31	0.47	0.65	0.84	1.15	2.75
Aridity Adj. (F)	1.00	0.95	1.35	1.85	2.75	3.40	2.85	2.80	2.85	2.60	1.80	1.20	2.12
Est. Dewpoint (F)	19.54	22.21	25.12	28.57	35.10	41.34	47.88	46.05	37.92	30.30	25.14	20.08	31.60
Rs (langley/day)	159	249	360	478	586	652	655	573	452	311	183	137	400
Wind (mpd)	145	148	153	160	137	121	96	92	103	121	126	137	128
Calc. Wind Limit (mpd)	106	132	132	132	132	120	101	96	98	108	104	96	113
.....Inches.....													
Alfalfa (Beef)			0.01	2.23	6.69	6.89	7.53	7.42	4.66	1.04	0.02		36.50
St Dev			0.05	0.90	0.59	0.79	0.57	0.44	1.24	0.94	0.10		2.74
Net Irr				1.43	5.78	6.35	7.36	7.22	4.29	0.40			32.82
Alfalfa (Dairy)			0.01	2.23	6.25	6.74	7.33	6.50	4.23	0.91	0.01		34.19
St Dev			0.05	0.90	0.54	0.53	0.50	0.39	0.99	0.90	0.03		2.37
Net Irr				1.43	5.34	6.19	7.16	6.29	3.85	0.26			30.52
Barley			0.01	1.16	5.15	8.93	5.32	0.07					20.63
St Dev			0.05	0.50	1.16	0.72	1.73	0.17					0.69
Net Irr				0.35	4.24	8.38	5.15						18.12
Other Hay			0.01	2.34	7.35	8.31	4.66	2.85	1.31	0.05			26.86
St Dev			0.05	0.96	0.74	0.76	0.68	0.15	0.25	0.08			1.32
Net Irr				1.53	6.44	7.76	4.49	2.65	0.94				23.80
Pasture			0.05	2.14	4.96	5.96	6.60	5.90	4.13	1.75	0.06		31.55
St Dev			0.12	0.66	0.47	0.46	0.41	0.30	0.40	0.85	0.19		2.31
Net Irr				1.34	4.06	5.42	6.44	5.69	3.76	1.10			27.79
Safflower					2.15	8.56	9.71	8.55	4.63	0.94			34.54
St Dev					1.13	0.81	0.60	0.42	0.66	0.48			2.25
Net Irr					1.24	8.01	9.54	8.34	4.26	0.29			31.69
Spring Grain			0.01	1.12	4.88	8.92	6.58	0.29					21.81
St Dev			0.05	0.47	1.14	0.77	1.51	0.45					0.75
Net Irr				0.31	3.98	8.37	6.42	0.09					19.16
Winter Wheat			0.73	1.83	5.52	8.73	3.58	0.05					20.43
St Dev			0.26	0.48	1.27	0.76	1.80	0.10					0.66
Net Irr				1.02	4.61	8.18	3.42						17.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: JEROME

Aridity Index: 50%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.73, Long: -114.52, Elev: 3740 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.06	1.78	3.77	7.04	6.58	1.71				20.95
St Dev				0.12	0.32	0.56	0.66	0.36	0.62				0.97
Net Irr					0.88	3.22	6.87	6.38	1.34				18.69
Turfgrass			0.09	2.27	4.18	5.26	5.83	5.20	3.78	1.89	0.07		28.57
St Dev			0.19	0.51	0.42	0.40	0.36	0.26	0.32	0.81	0.21		2.03
Net Irr				1.46	3.28	4.71	5.66	5.00	3.40	1.25			24.76
Open Water Deep	1.20	1.56	2.07	2.55	3.60	4.35	4.95	5.07	3.68	3.40	1.86	1.13	35.42
St Dev	0.18	0.34	0.40	0.38	0.46	0.52	0.54	0.43	0.38	0.38	0.29	0.18	2.05
Net Evap	0.14	0.76	1.11	1.75	2.69	3.80	4.79	4.86	3.30	2.75	0.87		26.82
Open Water Shallow	0.78	1.34	2.64	3.76	5.08	5.74	6.40	5.76	4.14	2.66	1.18	0.68	40.17
St Dev	0.09	0.23	0.35	0.33	0.36	0.35	0.33	0.24	0.26	0.21	0.15	0.10	1.40
Net Evap		0.55	1.68	2.96	4.17	5.20	6.24	5.55	3.76	2.02	0.19		32.30
Wetlands Large					0.33	5.06	9.85	9.11	6.31	1.74	0.02		32.42
St Dev					0.42	1.09	0.69	0.46	0.97	1.49	0.11		3.23
Net ET						4.52	9.69	8.90	5.94	1.09			30.13
Wetlands Narrow					0.39	6.88	14.06	13.01	9.01	2.48	0.03		45.87
St Dev					0.53	1.60	0.99	0.65	1.39	2.12	0.16		4.61
Net ET						6.33	13.90	12.80	8.64	1.84			43.51
ETr	1.15	1.91	3.81	5.51	7.49	8.77	9.71	8.67	6.32	4.39	1.95	1.08	60.76
St Dev	0.17	0.43	0.64	0.64	0.68	0.67	0.60	0.43	0.51	0.44	0.34	0.20	2.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LIFTON PUMPING STN

Aridity Index: 0%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 42.12, Long: -111.31, Elev: 5926 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.89	19.26	29.12	40.45	50.46	59.50	66.74	64.14	54.39	43.47	30.76	21.19	41.45
St Dev	5.22	4.78	4.31	3.78	2.47	2.61	2.70	2.24	2.45	2.39	3.46	4.16	1.48
Precip (in)	0.84	0.79	0.81	1.04	1.54	0.91	0.80	0.82	1.15	1.12	0.84	0.67	11.33
St Dev	0.70	0.62	0.39	0.68	0.91	0.79	0.75	0.74	1.05	0.76	0.51	0.50	3.39
Aridity Adj. (F)													
Est. Dewpoint (F)	12.34	13.50	18.92	23.79	32.27	38.27	42.58	37.37	30.28	26.18	19.48	14.47	25.79
Rs (langley/day)	178	252	378	462	547	630	632	494	436	306	205	149	389
Wind (mpd)	55	52	65	95	94	85	75	63	66	63	64	61	70
Calc. Wind Limit (mpd)	96	96	96	99	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				0.16	3.40	5.78	6.48	4.41	2.13	0.02			22.37
St Dev				0.24	0.77	0.41	0.83	0.38	0.97	0.05			2.09
Net Irr					2.17	5.05	5.83	3.75	1.21				18.02
Alfalfa (Dairy)				0.16	3.40	5.23	5.79	4.62	1.79	0.02			21.02
St Dev				0.24	0.77	0.36	0.42	0.32	1.11	0.08			2.03
Net Irr					2.17	4.50	5.15	3.97	0.87				16.65
Barley				0.14	1.69	5.58	7.72	2.67	0.04				17.84
St Dev				0.14	0.49	0.95	0.51	1.05	0.15				1.03
Net Irr					0.46	4.85	7.08	2.01					14.40
Other Hay				0.16	3.71	6.89	6.08	2.46	1.22	0.11			20.63
St Dev				0.25	0.86	0.66	0.78	0.15	0.21	0.13			1.43
Net Irr					2.48	6.16	5.43	1.81	0.30				16.18
Pasture				0.35	2.84	4.53	5.21	4.24	2.52	0.30			19.98
St Dev				0.28	0.49	0.42	0.40	0.22	0.63	0.42			1.95
Net Irr					1.61	3.80	4.57	3.58	1.60				15.15
Spring Grain				0.14	1.62	5.35	7.83	3.69	0.26				18.88
St Dev				0.14	0.46	0.97	0.56	0.96	0.32				1.03
Net Irr					0.39	4.62	7.18	3.03					15.23

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LIFTON PUMPING STN

Aridity Index: 0%, Temp. Adj. (F): -3.5, Period: 1971-2008, Lat: 42.12, Long: -111.31, Elev: 5926 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.45	2.02	4.09	4.72	1.04				12.32
St Dev					0.27	0.32	0.60	0.68	0.93				1.91
Net Irr						1.29	3.45	4.06	0.13				8.92
Turfgrass				0.50	2.55	3.93	4.60	3.75	2.45	0.36			18.13
St Dev				0.36	0.31	0.39	0.35	0.20	0.49	0.46			1.72
Net Irr					1.32	3.20	3.95	3.09	1.53				13.10
Open Water Deep	0.27	0.19	0.37	1.10	1.70	2.27	2.85	2.66	1.87	1.33	0.75	0.39	15.76
St Dev	0.04	0.03	0.06	0.20	0.23	0.28	0.32	0.20	0.19	0.16	0.11	0.06	1.12
Net Evap				0.26	0.47	1.54	2.21	2.01	0.95	0.44	0.08		7.96
Open Water Shallow	0.46	0.71	1.76	2.97	4.17	5.01	5.61	4.55	3.46	2.06	0.92	0.45	32.14
St Dev	0.05	0.07	0.16	0.32	0.35	0.38	0.36	0.20	0.23	0.18	0.11	0.06	1.56
Net Evap		0.08	1.12	2.14	2.94	4.29	4.97	3.90	2.54	1.17	0.25		23.38
Wetlands Large						1.28	5.98	6.51	2.91	0.06			16.75
St Dev						0.75	1.12	0.36	1.29	0.15			2.40
Net ET						0.56	5.34	5.86	1.99				13.74
Wetlands Narrow						1.62	8.37	9.30	4.16	0.08			23.53
St Dev						1.01	1.65	0.52	1.85	0.22			3.43
Net ET						0.89	7.73	8.65	3.24				20.51
ETr	0.48	0.74	1.87	3.64	5.31	6.67	7.66	6.25	4.58	2.64	1.10	0.51	41.47
St Dev	0.08	0.08	0.19	0.48	0.55	0.61	0.58	0.33	0.35	0.28	0.18	0.10	2.48

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MALAD CITY

Aridity Index: 14%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.15, Long: -112.29, Elev: 4470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.46	26.60	36.93	45.24	53.84	62.17	69.93	68.54	58.65	47.47	34.57	24.29	45.89
St Dev	5.72	5.63	4.22	2.99	2.56	2.71	3.06	2.40	2.37	2.26	3.47	4.66	1.71
Precip (in)	1.25	1.09	1.16	1.28	1.88	1.05	1.00	0.88	1.03	1.23	1.04	1.34	14.24
St Dev	0.88	0.74	0.74	0.83	1.30	0.79	0.97	0.74	0.97	0.97	0.68	1.24	4.30
Aridity Adj. (F)	0.28	0.27	0.38	0.52	0.77	0.95	0.80	0.78	0.80	0.73	0.50	0.34	0.59
Est. Dewpoint (F)	18.34	20.06	23.39	24.70	30.94	35.89	38.29	37.32	31.59	27.29	22.84	17.62	27.36
Rs (langleys/day)	172	274	432	480	557	629	651	585	461	310	191	161	409
Wind (mpd)	93	95	122	144	124	116	113	118	112	108	101	91	111
Calc. Wind Limit (mpd)	96	96	96	113	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				1.85	5.84	6.36	8.28	7.91	2.27	0.07			32.58
St Dev				0.90	0.73	0.62	0.69	0.90	1.12	0.23			2.48
Net Irr				0.83	4.34	5.52	7.47	7.20	1.44				26.81
Alfalfa (Dairy)				1.85	5.66	6.32	7.58	6.84	2.49	0.05			30.80
St Dev				0.90	0.55	0.55	0.59	0.45	1.16	0.19			2.17
Net Irr				0.83	4.16	5.48	6.77	6.13	1.66				25.04
Barley				0.90	3.90	8.29	7.61	0.46					21.16
St Dev				0.39	1.00	0.86	1.47	0.60					0.71
Net Irr					2.39	7.45	6.80						16.65
Corn					0.64	2.66	8.52	8.65	3.02	0.04			23.54
St Dev					0.23	0.75	1.29	0.47	1.26	0.15			2.23
Net Irr						1.82	7.72	7.94	2.20				19.68
Onion					1.88	4.83	9.73	7.96	1.40				25.80
St Dev					0.28	0.43	0.73	1.92	1.45				3.24
Net Irr					0.37	3.99	8.93	7.25	0.57				21.11
Other Hay				1.99	6.45	7.92	5.10	3.09	1.27	0.03			25.85
St Dev				0.99	0.78	0.71	0.85	0.20	0.36	0.08			1.47
Net Irr				0.97	4.95	7.08	4.30	2.38	0.44				20.11
Pasture				1.71	4.37	5.61	6.90	6.22	3.23	0.31			28.35
St Dev				0.54	0.46	0.47	0.49	0.39	1.05	0.58			2.07
Net Irr				0.68	2.87	4.77	6.10	5.51	2.41				22.33
Safflower					1.19	7.80	10.15	8.64	3.15	0.21			31.14
St Dev					0.68	0.98	0.73	0.79	1.39	0.41			2.85
Net Irr						6.96	9.34	7.93	2.32				26.56
Sorghum					0.79	3.63	8.55	8.27	3.26				24.51
St Dev					0.28	0.70	0.82	0.55	1.17				2.39
Net Irr						2.79	7.75	7.56	2.43				20.53
Spring Grain				0.88	3.69	8.19	8.59	1.16					22.50
St Dev				0.37	0.96	0.91	1.13	0.95					0.77
Net Irr					2.18	7.35	7.79	0.45					17.77
Winter Wheat			0.48	1.46	3.81	8.20	6.41	0.34					20.69
St Dev			0.17	0.28	1.05	0.89	1.71	0.40					0.63
Net Irr				0.43	2.31	7.36	5.61						15.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MALAD CITY

Aridity Index: 14%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.15, Long: -112.29, Elev: 4470 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.03	2.86	6.30	6.95	1.27				18.41
St Dev					0.15	0.26	0.50	1.44	1.11				2.40
Net Irr						2.02	5.50	6.24	0.44				14.20
Turfgrass				1.93	3.65	4.95	6.09	5.55	3.27	0.37			25.81
St Dev				0.49	0.39	0.42	0.44	0.30	0.91	0.64			1.85
Net Irr				0.91	2.15	4.11	5.29	4.84	2.44				19.73
Open Water Deep	0.58	0.63	1.15	2.05	2.56	3.51	5.20	5.42	3.58	2.72	1.48	0.76	29.65
St Dev	0.09	0.14	0.24	0.34	0.34	0.40	0.59	0.42	0.35	0.30	0.24	0.13	1.97
Net Evap			0.23	1.03	1.06	2.67	4.39	4.72	2.75	1.73	0.65		19.23
Open Water Shallow	0.52	1.02	2.58	3.57	4.62	5.39	6.29	5.80	4.11	2.49	1.09	0.57	38.04
St Dev	0.08	0.15	0.31	0.36	0.37	0.35	0.35	0.23	0.26	0.22	0.15	0.09	1.58
Net Evap		0.15	1.66	2.55	3.11	4.55	5.48	5.09	3.29	1.51	0.26		27.64
Wetlands Large					0.11	3.92	9.90	9.65	4.31	0.09			27.98
St Dev					0.16	1.11	1.02	0.64	1.76	0.29			3.34
Net ET						3.08	9.10	8.94	3.48				24.60
Wetlands Narrow					0.12	5.24	14.10	13.79	6.15	0.12			39.52
St Dev					0.18	1.58	1.49	0.91	2.52	0.42			4.78
Net ET						4.40	13.30	13.08	5.33				36.10
ETr	0.58	1.17	3.14	5.15	6.68	8.25	10.15	9.28	6.62	4.17	1.75	0.77	57.71
St Dev	0.16	0.24	0.51	0.70	0.68	0.69	0.73	0.48	0.59	0.52	0.35	0.21	3.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MALTA 4 ESE

Aridity Index: 17%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.29, Long: -113.3, Elev: 4590 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.69	31.46	39.31	46.48	54.49	62.12	70.01	68.59	59.02	48.36	35.93	27.27	47.48
St Dev	5.26	4.92	3.63	3.24	2.60	2.75	2.75	2.48	2.54	2.35	3.71	4.25	1.42
Precip (in)	0.87	0.65	0.96	1.14	1.58	1.09	0.84	0.82	0.84	0.85	0.74	0.79	11.16
St Dev	0.80	0.48	0.70	0.66	1.05	0.74	0.74	0.62	0.79	0.62	0.45	0.69	3.12
Aridity Adj. (F)	0.34	0.32	0.46	0.63	0.94	1.16	0.97	0.95	0.97	0.88	0.61	0.41	0.72
Est. Dewpoint (F)	19.95	23.22	25.72	28.76	35.53	39.75	43.35	41.18	35.77	29.95	25.54	19.84	30.71
Rs (langley/day)	176	262	360	478	564	638	627	551	442	306	193	149	395
Wind (mpd)	159	148	175	197	152	134	112	109	120	137	144	150	145
Calc. Wind Limit (mpd)	131	132	132	132	132	119	102	101	101	114	131	96	119
.....Inches.....													
Alfalfa (Beef)				1.89	6.20	6.57	7.86	7.55	2.07	0.05			32.18
St Dev				0.85	0.79	0.70	0.76	0.87	1.59	0.19			2.90
Net Irr				0.98	4.94	5.70	7.19	6.89	1.40				27.10
Alfalfa (Dairy)				1.89	5.97	6.48	7.30	6.46	2.26	0.03			30.37
St Dev				0.85	0.58	0.55	0.54	0.76	1.36	0.10			2.66
Net Irr				0.98	4.70	5.61	6.63	5.81	1.59				25.31
Barley				0.94	4.33	8.57	7.18	0.34					21.36
St Dev				0.39	1.12	0.80	1.50	0.43					0.71
Net Irr				0.03	3.06	7.70	6.51						17.30
Other Hay				2.00	6.80	8.16	4.89	3.00	1.22	0.04			26.10
St Dev				0.91	0.87	0.69	0.79	0.16	0.29	0.08			1.50
Net Irr				1.09	5.53	7.29	4.22	2.35	0.55				21.02
Pasture				1.74	4.61	5.76	6.64	6.05	3.15	0.35			28.30
St Dev				0.50	0.53	0.47	0.46	0.32	0.93	0.63			2.24
Net Irr				0.83	3.34	4.89	5.97	5.40	2.48				22.91
Safflower					1.16	8.05	9.76	8.46	3.09	0.24			30.76
St Dev					0.49	0.87	0.67	0.63	1.31	0.44			2.81
Net Irr						7.18	9.09	7.81	2.42				26.50
Spring Grain				0.92	4.10	8.47	8.15	0.99					22.63
St Dev				0.37	1.09	0.86	1.26	0.78					0.72
Net Irr				0.01	2.83	7.60	7.49	0.34					18.26
Winter Wheat			0.56	1.55	4.45	8.49	5.71	0.23					21.00
St Dev			0.17	0.34	1.26	0.82	1.81	0.27					0.66
Net Irr				0.65	3.18	7.62	5.04						16.49

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MALTA 4 ESE

Aridity Index: 17%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.29, Long: -113.3, Elev: 4590 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.98	2.83	5.87	6.91	1.24				17.83
St Dev					0.14	0.23	0.41	0.95	1.11				2.01
Net Irr						1.96	5.20	6.25	0.57				13.98
Turfgrass				1.98	3.85	5.08	5.86	5.39	3.17	0.42			25.74
St Dev				0.47	0.45	0.41	0.40	0.27	0.75	0.70			1.99
Net Irr				1.07	2.58	4.21	5.19	4.74	2.50				20.28
Open Water Deep	1.21	1.22	1.71	2.21	3.06	3.81	4.89	5.26	3.44	3.14	1.97	0.95	32.88
St Dev	0.22	0.27	0.35	0.41	0.45	0.45	0.51	0.41	0.35	0.38	0.32	0.16	1.91
Net Evap	0.52	0.70	0.94	1.30	1.80	2.94	4.22	4.60	2.77	2.45	1.38	0.31	23.95
Open Water Shallow	0.74	1.23	2.48	3.62	4.75	5.46	6.07	5.52	3.95	2.53	1.14	0.62	38.12
St Dev	0.11	0.21	0.32	0.38	0.39	0.34	0.32	0.21	0.25	0.22	0.16	0.10	1.46
Net Evap	0.05	0.71	1.71	2.71	3.49	4.59	5.40	4.87	3.28	1.84	0.55		29.21
Wetlands Large					0.05	3.98	9.55	9.24	3.64	0.07			26.53
St Dev					0.06	0.80	0.80	0.80	2.00	0.25			3.35
Net ET						3.11	8.88	8.59	2.97				23.55
Wetlands Narrow					0.05	5.28	13.61	13.20	5.20	0.09			37.44
St Dev					0.07	1.12	1.16	1.15	2.85	0.36			4.78
Net ET						4.41	12.94	12.55	4.53				34.43
ETr	1.04	1.59	3.47	5.22	7.03	8.47	9.76	8.98	6.35	4.34	1.92	0.93	59.11
St Dev	0.22	0.41	0.63	0.76	0.79	0.69	0.67	0.45	0.56	0.55	0.41	0.22	3.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MASSACRE ROCKS SP

Aridity Index: 63%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.67, Long: -113, Elev: 4195 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.48	31.41	39.96	47.39	55.72	64.57	72.78	71.35	61.34	49.82	36.61	27.64	48.76
St Dev	5.24	5.13	3.69	3.54	2.71	2.87	2.47	2.47	2.59	2.45	3.57	3.91	1.55
Precip (in)	1.23	0.94	1.28	1.45	1.49	0.89	0.58	0.49	0.82	1.05	1.20	1.15	12.57
St Dev	1.02	0.64	0.97	0.70	0.93	0.66	0.78	0.49	0.67	0.69	0.74	0.93	3.58
Aridity Adj. (F)	1.26	1.20	1.70	2.33	3.47	4.28	3.59	3.53	3.59	3.28	2.27	1.51	2.67
Est. Dewpoint (F)	20.17	23.39	26.07	28.42	34.27	40.62	46.58	43.63	36.58	30.25	25.57	20.70	31.36
Rs (langley/day)	160	251	370	470	576	648	646	577	454	309	177	137	398
Wind (mpd)	150	143	165	182	153	134	106	104	111	128	134	142	138
Calc. Wind Limit (mpd)	110	132	132	132	132	131	110	109	102	107	113	106	118
.....Inches.....													
Alfalfa (Beef)				1.66	5.83	6.55	7.91	7.44	2.54	0.13			32.06
St Dev				0.89	0.97	0.76	0.67	0.96	1.48	0.37			3.42
Net Irr				0.50	4.64	5.84	7.44	7.04	1.88				27.35
Alfalfa (Dairy)				1.66	5.70	6.38	7.13	6.51	2.71	0.09			30.19
St Dev				0.89	0.85	0.65	0.45	0.43	1.32	0.27			2.90
Net Irr				0.50	4.51	5.67	6.67	6.12	2.05				25.53
Barley			0.01	0.87	3.91	8.31	7.51	0.57					21.17
St Dev			0.02	0.45	1.27	1.09	1.60	0.66					0.81
Net Irr					2.72	7.60	7.04	0.17					17.54
Other Hay				1.77	6.48	8.12	5.00	3.00	1.26	0.04			25.68
St Dev				0.95	1.09	0.83	0.94	0.15	0.29	0.08			1.56
Net Irr				0.61	5.29	7.41	4.54	2.61	0.60				21.06
Pasture			0.02	1.69	4.44	5.69	6.51	5.99	3.33	0.56	0.01		28.23
St Dev			0.04	0.66	0.65	0.58	0.39	0.32	0.92	0.73	0.04		2.81
Net Irr				0.53	3.25	4.98	6.04	5.60	2.67				23.07
Safflower					1.17	7.82	9.57	8.48	3.44	0.36			30.84
St Dev					0.73	1.35	0.57	0.60	1.31	0.47			3.42
Net Irr						7.11	9.10	8.08	2.78				27.08
Spring Grain			0.01	0.84	3.71	8.19	8.34	1.31					22.40
St Dev			0.02	0.42	1.22	1.15	1.31	0.99					0.90
Net Irr					2.52	7.48	7.87	0.92					18.79
Winter Wheat			0.54	1.47	4.03	8.28	6.17	0.35					20.84
St Dev			0.22	0.35	1.26	1.10	1.82	0.40					0.77
Net Irr				0.31	2.84	7.57	5.71						16.43

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MASSACRE ROCKS SP

Aridity Index: 63%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.67, Long: -113, Elev: 4195 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.08	2.94	6.00	6.83	1.49				18.34
St Dev					0.23	0.35	0.49	1.18	0.96				2.25
Net Irr						2.23	5.53	6.44	0.83				15.03
Turfgrass			0.03	1.88	3.73	5.02	5.74	5.32	3.27	0.64	0.01		25.64
St Dev			0.07	0.60	0.52	0.52	0.34	0.27	0.74	0.76	0.06		2.50
Net Irr				0.72	2.54	4.31	5.28	4.93	2.61				20.38
Open Water Deep	0.89	1.10	1.60	2.12	2.95	3.89	4.64	5.14	3.32	2.76	1.58	0.92	30.91
St Dev	0.16	0.26	0.35	0.43	0.45	0.53	0.42	0.40	0.37	0.35	0.30	0.17	2.19
Net Evap		0.35	0.57	0.96	1.76	3.18	4.18	4.74	2.66	1.92	0.62		20.94
Open Water Shallow	0.60	1.12	2.45	3.51	4.73	5.48	6.15	5.67	3.97	2.42	0.99	0.53	37.63
St Dev	0.09	0.21	0.35	0.41	0.43	0.41	0.28	0.22	0.28	0.24	0.17	0.11	1.79
Net Evap		0.37	1.42	2.35	3.54	4.77	5.69	5.28	3.32	1.58	0.03		28.34
Wetlands Large					0.12	3.98	9.27	9.22	4.26	0.18			27.04
St Dev					0.22	1.32	0.98	0.61	1.90	0.48			4.00
Net ET						3.27	8.81	8.83	3.60				24.51
Wetlands Narrow					0.14	5.32	13.20	13.17	6.08	0.26			38.18
St Dev					0.26	1.88	1.45	0.87	2.71	0.68			5.72
Net ET						4.61	12.73	12.78	5.43				35.55
ETr	0.77	1.41	3.30	5.00	6.81	8.37	9.57	8.87	6.16	3.90	1.58	0.77	56.51
St Dev	0.18	0.38	0.65	0.80	0.84	0.85	0.57	0.45	0.62	0.56	0.40	0.25	3.63

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MCCAMMON

Aridity Index: 34%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.64, Long: -112.19, Elev: 4776 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.78	28.19	37.00	45.26	53.83	61.49	69.35	68.03	58.37	47.26	34.17	25.15	45.99
St Dev	5.05	4.92	3.09	2.85	2.26	2.35	2.58	1.99	2.41	2.35	3.33	3.82	1.31
Precip (in)	1.62	1.18	1.43	1.12	1.88	0.85	1.03	1.21	1.07	1.38	1.24	1.77	15.78
St Dev	1.04	0.84	0.95	0.62	1.36	0.81	1.03	1.00	0.96	1.01	0.79	1.56	4.73
Aridity Adj. (F)	0.68	0.65	0.92	1.26	1.87	2.31	1.94	1.90	1.94	1.77	1.22	0.82	1.44
Est. Dewpoint (F)	20.24	23.72	26.06	27.70	32.98	39.10	44.64	42.94	35.44	29.79	24.14	20.22	30.58
Rs (langley/day)	160	255	371	466	578	649	654	582	460	308	181	133	400
Wind (mpd)	134	134	141	153	142	136	116	120	116	121	123	127	130
Calc. Wind Limit (mpd)	96	96	100	132	113	106	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)				1.23	5.54	6.02	7.79	6.91	2.35	0.08			29.90
St Dev				0.66	0.78	0.50	0.68	0.83	1.03	0.25			1.97
Net Irr				0.33	4.03	5.34	6.96	5.94	1.49				24.09
Alfalfa (Dairy)				1.23	5.49	5.91	6.78	6.00	2.49	0.07			27.96
St Dev				0.66	0.72	0.62	0.41	0.43	1.13	0.21			2.34
Net Irr				0.33	3.98	5.23	5.96	5.03	1.64				22.16
Barley				0.65	3.42	7.60	7.93	0.97					20.58
St Dev				0.30	0.88	0.94	1.01	0.90					0.73
Net Irr					1.92	6.92	7.11						15.95
Corn					0.49	2.08	6.84	7.98	3.04	0.06			20.50
St Dev					0.19	0.50	1.20	0.42	1.20	0.19			2.14
Net Irr						1.41	6.01	7.02	2.18				16.62
Onion					1.45	4.25	8.43	7.44	1.51	0.02			23.09
St Dev					0.19	0.40	0.53	1.28	1.45	0.07			2.72
Net Irr						3.58	7.61	6.47	0.65				18.30
Other Hay				1.30	6.13	7.74	5.14	2.89	1.30	0.07			24.57
St Dev				0.72	0.81	0.69	0.83	0.17	0.29	0.10			1.40
Net Irr				0.40	4.63	7.06	4.31	1.92	0.45				18.77
Pasture				1.37	4.25	5.26	6.18	5.60	3.20	0.45			26.32
St Dev				0.53	0.49	0.48	0.38	0.26	0.84	0.56			2.05
Net Irr				0.47	2.75	4.59	5.36	4.63	2.35				20.14
Safflower					0.73	7.07	9.09	7.96	3.34	0.31			28.49
St Dev					0.40	1.01	0.55	0.48	1.22	0.41			2.57
Net Irr						6.39	8.27	6.99	2.48				24.13
Sorghum					0.62	3.05	7.44	7.42	3.03				21.55
St Dev					0.24	0.55	0.60	0.40	1.09				1.79
Net Irr						2.37	6.61	6.45	2.18				17.61
Spring Grain				0.64	3.25	7.45	8.54	1.90	0.01				21.78
St Dev				0.29	0.83	0.97	0.80	1.11	0.06				0.78
Net Irr					1.74	6.77	7.71	0.93					17.15
Winter Wheat			0.39	1.33	3.48	7.55	6.87	0.61					20.23
St Dev			0.17	0.23	0.91	0.96	1.33	0.54					0.68
Net Irr				0.43	1.97	6.88	6.05						15.33

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MCCAMMON

Aridity Index: 34%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.64, Long: -112.19, Elev: 4776 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.81	2.48	5.25	6.38	1.41	0.01			16.36
St Dev					0.11	0.23	0.34	0.92	1.15	0.04			1.97
Net Irr						1.81	4.43	5.41	0.56				12.21
Turfgrass			0.01	1.61	3.55	4.64	5.46	4.97	3.14	0.53			23.91
St Dev			0.02	0.49	0.41	0.43	0.33	0.23	0.66	0.61			1.82
Net Irr				0.72	2.05	3.96	4.63	4.00	2.29				17.64
Open Water Deep	0.57	0.53	0.95	1.99	2.59	3.07	3.99	4.35	2.96	2.32	1.27	0.69	25.28
St Dev	0.10	0.14	0.20	0.31	0.33	0.37	0.38	0.27	0.25	0.28	0.24	0.14	1.46
Net Evap				1.09	1.09	2.39	3.17	3.38	2.10	1.22	0.28		14.71
Open Water Shallow	0.47	0.93	2.20	3.43	4.68	5.31	6.03	5.52	3.90	2.31	0.95	0.44	36.15
St Dev	0.10	0.17	0.28	0.33	0.36	0.37	0.29	0.19	0.20	0.21	0.17	0.11	1.38
Net Evap			1.06	2.53	3.17	4.63	5.21	4.55	3.04	1.21			25.40
Wetlands Large					0.02	3.15	8.59	8.66	3.86	0.09			24.37
St Dev					0.04	0.94	0.80	0.47	1.63	0.29			2.68
Net ET						2.48	7.76	7.69	3.00				20.93
Wetlands Narrow					0.02	4.15	12.20	12.37	5.51	0.13			34.38
St Dev					0.04	1.30	1.18	0.67	2.33	0.42			3.83
Net ET						3.47	11.38	11.40	4.66				30.90
ETr	0.47	0.91	2.65	4.80	6.64	7.74	9.09	8.28	5.87	3.56	1.42	0.56	51.99
St Dev	0.20	0.26	0.45	0.61	0.67	0.71	0.55	0.39	0.43	0.46	0.35	0.22	2.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MINIDOKA DAM

Aridity Index: 65%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.68, Long: -113.5, Elev: 4164 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.69	30.56	39.03	46.41	54.99	63.64	71.40	69.89	60.40	49.30	36.37	26.91	47.88
St Dev	5.11	4.87	3.55	3.07	2.50	2.77	3.05	2.46	2.71	2.42	3.58	4.46	1.48
Precip (in)	1.02	0.83	1.00	0.95	1.16	0.74	0.30	0.36	0.61	0.73	1.02	1.04	9.77
St Dev	0.67	0.59	0.66	0.63	0.89	0.67	0.33	0.38	0.61	0.53	0.78	0.89	2.76
Aridity Adj. (F)	1.30	1.24	1.76	2.41	3.58	4.42	3.71	3.64	3.71	3.38	2.34	1.56	2.75
Est. Dewpoint (F)	18.37	21.62	24.90	28.32	35.04	41.43	47.24	44.26	37.69	30.05	25.23	19.46	31.14
Rs (langley/day)	171	257	363	470	557	635	625	543	436	299	185	143	390
Wind (mpd)	169	162	181	197	159	136	105	102	116	138	148	161	148
Calc. Wind Limit (mpd)	125	132	132	132	132	132	108	106	109	123	125	102	122
.....Inches.....													
Alfalfa (Beef)				1.75	5.87	6.27	7.41	7.20	3.39	0.59			32.48
St Dev				0.76	0.71	0.52	0.70	0.65	1.35	0.87			2.75
Net Irr				0.99	4.94	5.67	7.17	6.91	2.90	0.01			28.59
Alfalfa (Dairy)				1.75	5.68	6.21	6.81	6.21	3.41	0.50			30.58
St Dev				0.76	0.57	0.50	0.44	0.39	1.15	0.77			2.36
Net Irr				0.99	4.76	5.62	6.57	5.93	2.92				26.78
Barley				0.89	3.95	8.18	6.93	0.39					20.36
St Dev				0.38	1.02	0.74	1.42	0.50					0.65
Net Irr				0.13	3.03	7.59	6.69	0.11					17.55
Other Hay				1.86	6.46	7.89	4.59	2.79	1.31	0.05			24.96
St Dev				0.82	0.76	0.67	0.69	0.14	0.24	0.09			1.18
Net Irr				1.10	5.53	7.29	4.35	2.51	0.82				21.61
Pasture			0.03	1.81	4.41	5.53	6.17	5.66	3.73	1.10	0.03		28.48
St Dev			0.08	0.59	0.48	0.40	0.38	0.31	0.63	0.89	0.11		2.03
Net Irr				1.05	3.48	4.94	5.93	5.37	3.24	0.52			24.54
Safflower					1.32	7.73	9.08	8.14	4.13	0.73			31.14
St Dev					0.90	0.85	0.56	0.46	1.05	0.62			2.33
Net Irr					0.40	7.14	8.84	7.85	3.64	0.14			28.02
Spring Grain				0.87	3.75	8.08	7.76	1.03					21.49
St Dev				0.36	0.97	0.78	1.16	0.77					0.67
Net Irr				0.11	2.82	7.49	7.52	0.74					18.68
Winter Wheat			0.63	1.52	4.17	8.13	5.45	0.24					20.14
St Dev			0.25	0.32	1.10	0.74	1.68	0.29					0.65
Net Irr				0.76	3.25	7.54	5.21						16.75

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MINIDOKA DAM

Aridity Index: 65%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.68, Long: -113.5, Elev: 4164 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.40	3.23	6.26	6.55	1.56				19.00
St Dev					0.28	0.40	0.63	0.34	0.75				1.19
Net Irr					0.48	2.64	6.02	6.26	1.07				16.46
Turfgrass			0.04	1.97	3.70	4.88	5.45	5.00	3.52	1.24	0.03		25.84
St Dev			0.12	0.48	0.42	0.35	0.33	0.28	0.47	0.91	0.14		1.82
Net Irr				1.21	2.78	4.29	5.21	4.71	3.03	0.65			21.88
Open Water Deep	1.23	1.33	1.79	2.21	3.01	3.92	4.52	4.95	3.54	3.38	1.96	1.05	32.90
St Dev	0.22	0.27	0.33	0.32	0.40	0.43	0.44	0.41	0.38	0.38	0.32	0.16	1.86
Net Evap	0.42	0.66	0.99	1.44	2.08	3.33	4.28	4.66	3.05	2.79	1.14	0.22	25.08
Open Water Shallow	0.75	1.26	2.51	3.55	4.65	5.43	5.98	5.40	3.92	2.52	1.13	0.63	37.75
St Dev	0.11	0.20	0.31	0.30	0.35	0.30	0.29	0.23	0.25	0.21	0.17	0.09	1.34
Net Evap		0.59	1.71	2.79	3.73	4.84	5.74	5.11	3.43	1.93	0.31		30.19
Wetlands Large					0.11	3.87	8.86	8.75	5.57	0.97			28.14
St Dev					0.24	1.05	0.78	0.49	1.39	1.30			3.24
Net ET						3.28	8.62	8.46	5.08	0.38			25.83
Wetlands Narrow					0.13	5.16	12.62	12.50	7.96	1.39			39.76
St Dev					0.29	1.50	1.14	0.70	1.99	1.85			4.64
Net ET						4.57	12.38	12.22	7.47	0.80			37.43
ETr	1.08	1.68	3.49	5.03	6.70	8.14	9.08	8.34	6.07	4.28	1.87	0.95	56.69
St Dev	0.20	0.35	0.58	0.56	0.67	0.59	0.56	0.47	0.50	0.50	0.40	0.18	2.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OAKLEY

Aridity Index: 13%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.23, Long: -113.9, Elev: 4559 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.05	33.48	40.31	46.46	54.14	62.39	69.89	69.15	60.19	49.97	37.68	29.68	48.53
St Dev	4.36	4.07	3.18	3.27	2.62	2.60	2.85	2.59	2.58	2.51	3.64	4.00	1.23
Precip (in)	0.79	0.63	1.04	1.25	1.67	1.08	0.76	0.72	0.87	0.82	0.81	0.77	11.22
St Dev	0.59	0.50	0.70	0.87	0.97	0.79	0.59	0.67	0.78	0.62	0.50	0.69	2.81
Aridity Adj. (F)	0.26	0.25	0.35	0.48	0.72	0.88	0.74	0.73	0.74	0.68	0.47	0.31	0.55
Est. Dewpoint (F)	22.17	25.10	27.75	30.54	37.36	44.22	50.30	48.56	41.48	34.24	28.53	22.93	34.43
Rs (langley/day)	166	258	362	481	587	657	657	575	455	313	185	140	403
Wind (mpd)	158	152	169	187	155	132	106	103	114	133	142	149	142
Calc. Wind Limit (mpd)	120	132	132	132	132	132	108	104	109	124	120	100	120
.....Inches.....													
Alfalfa (Beef)				1.97	5.86	6.14	6.96	6.89	3.47	0.65			31.94
St Dev				0.77	0.70	0.58	0.51	0.56	1.30	0.92			2.71
Net Irr				0.97	4.52	5.27	6.35	6.31	2.78				26.20
Alfalfa (Dairy)				1.97	5.58	6.09	6.54	5.92	3.41	0.54			30.05
St Dev				0.77	0.57	0.44	0.39	0.25	1.12	0.80			2.25
Net Irr				0.97	4.24	5.23	5.93	5.34	2.71				24.42
Barley			0.01	1.00	4.20	8.06	6.13	0.24					19.64
St Dev			0.03	0.41	1.05	0.68	1.39	0.36					0.66
Net Irr					2.86	7.20	5.52						15.58
Other Hay				2.10	6.47	7.52	4.12	2.61	1.19	0.03			24.04
St Dev				0.82	0.75	0.62	0.46	0.13	0.22	0.06			1.22
Net Irr				1.10	5.13	6.65	3.51	2.03	0.49				18.92
Pasture			0.04	1.94	4.37	5.40	5.92	5.40	3.72	1.35	0.02		28.18
St Dev			0.09	0.54	0.48	0.40	0.33	0.22	0.44	0.77	0.09		2.11
Net Irr				0.94	3.03	4.54	5.31	4.83	3.02	0.69			22.36
Safflower					1.75	7.72	8.71	7.82	4.17	0.82			30.99
St Dev					0.96	0.74	0.48	0.34	0.74	0.51			2.33
Net Irr					0.41	6.86	8.10	7.24	3.47	0.16			26.24
Spring Grain			0.01	0.97	3.97	7.99	7.08	0.75					20.77
St Dev			0.03	0.38	1.02	0.73	1.11	0.66					0.65
Net Irr					2.63	7.13	6.47	0.17					16.40
Winter Wheat			0.67	1.55	4.43	7.97	4.63	0.16					19.42
St Dev			0.19	0.39	1.20	0.69	1.68	0.22					0.60
Net Irr				0.55	3.09	7.10	4.02						14.77

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OAKLEY

Aridity Index: 13%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.23, Long: -113.9, Elev: 4559 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.02	1.54	3.35	6.26	6.08	1.46				18.71
St Dev				0.04	0.28	0.43	0.57	0.31	0.57				1.06
Net Irr					0.20	2.49	5.64	5.50	0.77				14.60
Turfgrass			0.07	2.05	3.68	4.76	5.23	4.77	3.45	1.50	0.03		25.55
St Dev			0.15	0.43	0.42	0.35	0.29	0.19	0.31	0.79	0.12		1.87
Net Irr				1.05	2.34	3.90	4.62	4.19	2.75	0.84			19.70
Open Water Deep	1.24	1.34	1.69	2.06	2.79	3.66	4.03	4.52	3.34	3.34	1.83	1.05	30.89
St Dev	0.18	0.26	0.31	0.37	0.40	0.40	0.38	0.33	0.32	0.40	0.31	0.18	1.68
Net Evap	0.60	0.84	0.86	1.06	1.45	2.80	3.42	3.94	2.64	2.68	1.19	0.43	21.91
Open Water Shallow	0.76	1.30	2.51	3.59	4.81	5.55	6.13	5.58	4.03	2.60	1.11	0.63	38.60
St Dev	0.10	0.19	0.28	0.37	0.39	0.32	0.28	0.19	0.24	0.23	0.16	0.10	1.34
Net Evap	0.13	0.80	1.68	2.59	3.47	4.69	5.52	5.00	3.33	1.94	0.46	0.02	29.62
Wetlands Large					0.24	4.41	8.77	8.35	5.25	0.98			28.00
St Dev					0.33	1.02	0.63	0.33	1.24	1.35			2.88
Net ET						3.55	8.16	7.77	4.55	0.32			24.35
Wetlands Narrow					0.28	5.97	12.51	11.93	7.50	1.39			39.59
St Dev					0.40	1.49	0.91	0.48	1.77	1.93			4.11
Net ET						5.11	11.90	11.35	6.80	0.73			35.90
ETr	1.07	1.67	3.34	4.87	6.56	7.94	8.71	7.95	5.81	4.05	1.69	0.92	54.59
St Dev	0.19	0.34	0.50	0.67	0.70	0.59	0.48	0.32	0.44	0.49	0.33	0.22	2.50

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PAUL 1ENE

Aridity Index: 10%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.63, Long: -113.76, Elev: 4150 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.21	30.97	39.00	46.06	54.54	63.30	70.57	69.17	59.50	48.26	36.13	27.35	47.59
St Dev	5.01	4.57	3.66	3.27	2.74	3.11	2.76	2.90	3.24	2.49	3.86	4.46	1.64
Precip (in)	0.99	0.72	0.94	0.96	1.33	0.76	0.38	0.38	0.62	0.77	1.01	1.04	9.89
St Dev	0.68	0.79	0.78	0.73	1.12	0.72	0.39	0.35	0.51	0.54	0.61	0.92	2.79
Aridity Adj. (F)	0.20	0.19	0.27	0.37	0.55	0.68	0.57	0.56	0.57	0.52	0.36	0.24	0.42
Est. Dewpoint (F)	20.02	22.73	26.45	29.68	37.24	45.45	50.61	47.05	39.74	31.41	26.48	20.86	33.14
Rs (langley/day)	162	255	364	479	583	663	658	576	457	314	185	140	403
Wind (mpd)	175	174	188	203	172	141	103	102	114	144	155	172	154
Calc. Wind Limit (mpd)	117	132	132	132	132	132	119	116	122	132	117	117	125
.....Inches.....													
Alfalfa (Beef)			0.01	1.75	5.96	6.34	7.25	7.35	3.69	0.72			33.07
St Dev			0.04	0.83	0.73	0.74	0.59	0.56	1.36	0.92			3.03
Net Irr				0.99	4.89	5.74	6.95	7.04	3.20	0.11			28.92
Alfalfa (Dairy)			0.01	1.75	5.75	6.30	6.78	6.27	3.57	0.60			31.03
St Dev			0.04	0.83	0.62	0.58	0.48	0.42	1.15	0.80			2.75
Net Irr				0.99	4.69	5.69	6.48	5.96	3.08				26.89
Barley			0.01	0.90	4.18	8.29	6.10	0.23					19.70
St Dev			0.03	0.42	1.12	0.82	1.63	0.35					0.81
Net Irr				0.14	3.12	7.68	5.80						16.74
Other Hay			0.01	1.85	6.53	7.92	4.57	2.83	1.34	0.07			25.12
St Dev			0.04	0.89	0.82	0.77	0.71	0.15	0.28	0.11			1.29
Net Irr				1.08	5.47	7.32	4.27	2.53	0.85				21.52
Pasture			0.03	1.76	4.45	5.58	6.17	5.74	3.94	1.38	0.04		29.08
St Dev			0.09	0.62	0.50	0.49	0.41	0.31	0.68	0.92	0.12		2.24
Net Irr				1.00	3.38	4.97	5.87	5.43	3.45	0.77			24.87
Safflower					1.57	7.87	9.07	8.28	4.43	0.87			32.09
St Dev					1.04	0.96	0.60	0.53	1.07	0.62			2.41
Net Irr					0.51	7.26	8.77	7.97	3.94	0.26			28.71
Spring Grain			0.01	0.88	3.96	8.22	7.12	0.69					20.87
St Dev			0.03	0.40	1.08	0.87	1.32	0.70					0.84
Net Irr				0.11	2.90	7.62	6.82	0.38					17.83
Winter Wheat			0.59	1.50	4.36	8.18	4.69	0.17					19.48
St Dev			0.23	0.36	1.23	0.83	1.85	0.26					0.79
Net Irr				0.74	3.29	7.57	4.38						15.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PAUL 1ENE

Aridity Index: 10%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.63, Long: -113.76, Elev: 4150 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden				0.02	1.50	3.37	6.38	6.47	1.63				19.37
St Dev				0.06	0.35	0.54	0.68	0.44	0.69				1.49
Net Irr					0.44	2.76	6.08	6.17	1.14				16.58
Turfgrass			0.04	1.94	3.73	4.92	5.44	5.07	3.66	1.52	0.05		26.37
St Dev			0.14	0.51	0.45	0.43	0.36	0.26	0.53	0.91	0.15		1.99
Net Irr				1.17	2.67	4.31	5.14	4.77	3.17	0.91			22.14
Open Water Deep	1.06	1.24	1.64	2.11	2.97	3.80	4.14	4.78	3.62	3.56	1.77	1.13	31.82
St Dev	0.20	0.27	0.33	0.39	0.42	0.50	0.44	0.40	0.41	0.42	0.29	0.19	1.89
Net Evap	0.27	0.66	0.89	1.35	1.90	3.20	3.84	4.47	3.13	2.95	0.96	0.29	23.91
Open Water Shallow	0.67	1.21	2.45	3.57	4.84	5.66	6.18	5.63	4.07	2.61	1.08	0.60	38.57
St Dev	0.11	0.20	0.31	0.38	0.38	0.37	0.33	0.23	0.28	0.22	0.16	0.11	1.47
Net Evap		0.63	1.70	2.81	3.78	5.05	5.88	5.33	3.57	2.00	0.27		31.01
Wetlands Large					0.20	4.32	9.03	8.88	5.67	1.09			29.19
St Dev					0.33	1.15	0.74	0.46	1.28	1.34			3.43
Net ET						3.72	8.73	8.57	5.17	0.48			26.67
Wetlands Narrow					0.23	5.82	12.88	12.68	8.10	1.56			41.27
St Dev					0.41	1.66	1.07	0.66	1.83	1.91			4.90
Net ET						5.22	12.57	12.38	7.60	0.95			38.72
ETr	0.90	1.56	3.29	4.95	6.77	8.20	9.07	8.45	6.26	4.40	1.72	0.90	56.47
St Dev	0.21	0.38	0.57	0.71	0.70	0.72	0.60	0.44	0.61	0.53	0.37	0.26	2.94

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: POCATELLO 2 NE

Aridity Index: 80%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.89, Long: -112.41, Elev: 4832 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.22	31.53	39.56	46.04	56.02	63.77	72.72	71.41	61.16	49.37	36.26	27.87	48.58
St Dev	4.14	3.98	3.47	3.71	2.82	3.07	3.30	2.35	2.83	2.85	3.75	3.61	1.40
Precip (in)	1.07	1.05	1.43	1.50	1.56	0.84	0.70	0.71	1.04	1.14	1.21	1.20	13.46
St Dev	0.53	0.61	0.73	0.95	0.86	0.74	0.67	0.80	1.01	0.74	0.72	0.76	3.18
Aridity Adj. (F)	1.60	1.52	2.16	2.96	4.40	5.44	4.56	4.48	4.56	4.16	2.88	1.92	3.39
Est. Dewpoint (F)	21.56	24.61	26.49	27.95	34.40	40.61	48.70	45.52	38.15	31.44	25.70	21.88	32.25
Rs (langley/day)	165	258	379	472	585	647	662	583	461	313	186	137	404
Wind (mpd)	144	141	154	169	152	136	109	107	110	122	128	134	134
Calc. Wind Limit (mpd)	98	130	130	132	132	132	113	111	99	98	103	112	116
.....Inches.....													
Alfalfa (Beef)				1.07	5.03	5.92	7.38	6.18	2.27	0.12			27.96
St Dev				0.48	0.78	0.39	0.74	0.82	1.31	0.41			2.44
Net Irr					3.78	5.25	6.82	5.61	1.44				22.89
Alfalfa (Dairy)				1.07	5.00	5.63	6.49	5.79	2.26	0.11			26.34
St Dev				0.48	0.73	0.51	0.44	0.51	1.28	0.36			2.37
Net Irr					3.75	4.96	5.93	5.22	1.43				21.28
Barley				0.53	2.80	6.77	8.13	1.83					20.07
St Dev				0.17	0.80	1.10	0.69	1.39					0.62
Net Irr					1.55	6.10	7.57	1.26					16.49
Other Hay				1.15	5.73	7.30	4.80	2.77	1.12	0.04			22.91
St Dev				0.52	0.70	0.63	0.63	0.15	0.27	0.07			1.46
Net Irr					4.48	6.63	4.24	2.20	0.29				17.84
Pasture				0.97	3.90	4.95	5.86	5.36	2.69	0.26			23.99
St Dev				0.21	0.39	0.47	0.43	0.29	0.81	0.39			1.85
Net Irr					2.65	4.28	5.30	4.79	1.86				18.88
Safflower					0.10	5.33	8.62	7.69	2.83	0.19			24.76
St Dev					0.03	0.49	0.63	0.47	1.15	0.29			2.19
Net Irr						4.66	8.06	7.12	2.00				21.84
Spring Grain				0.53	2.66	6.58	8.50	2.93	0.03				21.22
St Dev				0.17	0.74	1.14	0.55	1.53	0.12				0.65
Net Irr					1.41	5.91	7.94	2.36					17.61
Winter Wheat			0.42	1.13	2.83	6.64	7.41	1.31	0.01				19.74
St Dev			0.13	0.20	0.87	1.29	1.06	1.19	0.03				0.57
Net Irr					1.58	5.97	6.85	0.74					15.14

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: POCATELLO 2 NE

Aridity Index: 80%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.89, Long: -112.41, Elev: 4832 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.12	1.96	3.96	5.78	1.65	0.03			13.52
St Dev					0.03	0.18	0.29	0.76	1.41	0.13			2.07
Net Irr						1.29	3.40	5.21	0.82				10.73
Turfgrass				1.23	3.23	4.37	5.17	4.77	2.68	0.31			21.76
St Dev				0.23	0.32	0.41	0.38	0.26	0.67	0.45			1.65
Net Irr				0.03	1.98	3.70	4.61	4.20	1.84				16.36
Open Water Deep	0.62	0.78	1.19	1.60	2.48	3.02	3.71	4.31	2.56	1.99	1.15	0.72	24.12
St Dev	0.11	0.15	0.23	0.27	0.34	0.42	0.45	0.35	0.27	0.29	0.20	0.11	1.82
Net Evap			0.04	0.40	1.23	2.35	3.15	3.74	1.73	1.08	0.18		13.89
Open Water Shallow	0.51	0.99	2.27	3.23	4.57	5.14	5.98	5.47	3.74	2.17	0.86	0.41	35.33
St Dev	0.09	0.14	0.25	0.30	0.34	0.37	0.35	0.23	0.23	0.22	0.12	0.07	1.62
Net Evap		0.15	1.12	2.02	3.32	4.47	5.42	4.90	2.91	1.25			25.58
Wetlands Large						2.38	7.83	8.25	3.33	0.16			21.94
St Dev						0.49	0.76	0.55	1.81	0.46			2.68
Net ET						1.71	7.27	7.68	2.50				19.16
Wetlands Narrow						3.08	11.09	11.78	4.76	0.22			30.93
St Dev						0.66	1.10	0.79	2.58	0.66			3.82
Net ET						2.42	10.53	11.21	3.93				28.08
ETr	0.48	0.99	2.74	4.19	6.17	7.28	8.62	7.94	5.18	2.96	1.13	0.42	48.12
St Dev	0.16	0.21	0.41	0.51	0.60	0.69	0.63	0.43	0.41	0.41	0.23	0.14	2.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: POCATELLO RGNL AP

Aridity Index: 62%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.92, Long: -112.57, Elev: 4440 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.93	29.00	37.88	45.61	53.95	62.47	70.36	68.91	58.97	47.53	34.65	25.32	46.55
St Dev	5.82	5.27	3.49	2.97	2.47	2.74	2.74	2.17	2.73	2.48	3.87	4.91	1.46
Precip (in)	1.11	1.01	1.30	1.20	1.45	0.88	0.65	0.62	0.89	1.01	1.12	1.18	12.42
St Dev	0.61	0.60	0.74	0.70	0.89	0.69	0.59	0.54	0.76	0.67	0.62	0.81	3.25
Aridity Adj. (F)	1.24	1.18	1.67	2.29	3.41	4.22	3.53	3.47	3.53	3.22	2.23	1.49	2.62
Est. Dewpoint (F)	18.82	22.58	25.88	27.83	33.04	39.99	46.55	42.74	35.55	29.27	24.62	19.51	30.53
Rs (langley/day)	161	253	361	462	562	634	637	566	446	304	177	136	392
Wind (mpd)	142	137	153	168	151	133	104	102	105	118	125	131	131
Calc. Wind Limit (mpd)	96	132	128	132	132	132	114	112	100	98	102	114	116
.....Inches.....													
Alfalfa (Beef)				1.38	5.71	6.36	7.77	7.20	2.34	0.10			30.86
St Dev				0.79	0.80	0.61	0.76	0.85	1.24	0.23			2.45
Net Irr				0.42	4.56	5.66	7.26	6.70	1.63				26.21
Alfalfa (Dairy)				1.38	5.63	6.19	6.86	6.30	2.70	0.09			29.16
St Dev				0.79	0.71	0.60	0.54	0.42	1.19	0.21			2.31
Net Irr				0.42	4.48	5.49	6.34	5.80	1.99				24.52
Barley				0.74	3.68	8.10	7.65	0.71					20.90
St Dev				0.38	1.03	0.93	1.22	0.68					0.76
Net Irr					2.53	7.40	7.13	0.22					17.28
Other Hay				1.46	6.32	8.10	5.06	2.95	1.30	0.07			25.26
St Dev				0.85	0.86	0.75	0.85	0.17	0.29	0.10			1.55
Net Irr				0.49	5.16	7.40	4.54	2.46	0.58				20.64
Pasture			0.02	1.51	4.38	5.56	6.25	5.79	3.34	0.61	0.01		27.46
St Dev			0.07	0.61	0.52	0.50	0.48	0.32	0.86	0.69	0.03		2.50
Net Irr				0.55	3.22	4.86	5.73	5.29	2.62				22.28
Safflower					0.99	7.55	9.20	8.27	3.55	0.40			29.96
St Dev					0.80	1.05	0.70	0.54	1.25	0.48			3.16
Net Irr						6.85	8.68	7.77	2.84				26.13
Spring Grain				0.73	3.49	7.97	8.36	1.54					22.09
St Dev				0.36	0.98	0.97	0.99	0.96					0.83
Net Irr					2.34	7.26	7.84	1.04					18.48
Winter Wheat			0.48	1.40	3.83	8.09	6.36	0.42					20.58
St Dev			0.23	0.30	1.09	0.92	1.46	0.38					0.77
Net Irr				0.44	2.67	7.38	5.84						16.34

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: POCATELLO RGNL AP

Aridity Index: 62%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.92, Long: -112.57, Elev: 4440 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.21	3.02	6.01	6.47	1.22				17.94
St Dev					0.23	0.38	0.64	1.31	0.84				2.15
Net Irr					0.05	2.32	5.49	5.98	0.51				14.35
Turfgrass			0.02	1.73	3.66	4.90	5.52	5.13	3.23	0.70	0.01		24.90
St Dev			0.10	0.52	0.45	0.45	0.42	0.28	0.68	0.72	0.05		2.20
Net Irr				0.77	2.51	4.20	5.00	4.63	2.51				19.62
Open Water Deep	0.77	1.05	1.47	2.13	3.05	3.86	4.33	4.88	3.18	2.47	1.44	0.99	29.61
St Dev	0.14	0.24	0.30	0.36	0.41	0.49	0.48	0.37	0.37	0.29	0.25	0.16	1.79
Net Evap		0.24	0.43	1.17	1.90	3.16	3.81	4.38	2.46	1.66	0.55	0.05	19.80
Open Water Shallow	0.58	1.10	2.36	3.48	4.68	5.39	6.00	5.52	3.87	2.33	0.98	0.53	36.80
St Dev	0.09	0.19	0.31	0.35	0.38	0.36	0.35	0.23	0.29	0.21	0.16	0.09	1.49
Net Evap		0.29	1.31	2.51	3.52	4.68	5.48	5.03	3.16	1.53	0.08		27.59
Wetlands Large					0.08	3.52	8.77	8.94	4.02	0.19			25.51
St Dev					0.20	1.18	0.96	0.53	1.82	0.45			3.29
Net ET						2.82	8.25	8.44	3.30				22.81
Wetlands Narrow					0.09	4.67	12.46	12.77	5.74	0.27			35.99
St Dev					0.24	1.68	1.41	0.76	2.60	0.65			4.69
Net ET						3.96	11.94	12.27	5.02				33.20
ETr	0.70	1.30	3.06	4.88	6.77	8.18	9.20	8.55	5.91	3.59	1.50	0.77	54.41
St Dev	0.16	0.32	0.55	0.65	0.73	0.74	0.70	0.46	0.58	0.43	0.33	0.20	2.93

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PRESTON

Aridity Index: 41%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.09, Long: -111.87, Elev: 4800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.87	26.06	36.71	45.03	54.05	62.14	70.12	68.85	58.46	47.26	34.14	23.86	45.71
St Dev	5.54	4.86	4.09	3.40	2.64	2.73	2.81	2.48	2.72	2.43	3.64	4.42	1.66
Precip (in)	1.50	1.38	1.51	1.73	2.27	1.19	0.92	1.05	1.41	1.73	1.33	1.53	17.56
St Dev	1.02	0.71	0.91	1.09	1.60	0.92	0.77	0.90	1.07	1.23	0.77	1.07	4.58
Aridity Adj. (F)	0.82	0.78	1.11	1.52	2.26	2.79	2.34	2.30	2.34	2.13	1.48	0.98	1.74
Est. Dewpoint (F)	18.73	21.37	24.67	25.99	32.35	37.40	41.43	40.51	33.52	28.53	23.04	18.20	28.81
Rs (langleys/day)	153	227	356	456	564	641	668	584	460	313	186	113	393
Wind (mpd)	79	75	101	119	106	97	92	97	92	90	85	81	93
Calc. Wind Limit (mpd)	96	96	96	105	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				0.79	4.95	5.98	8.03	6.88	2.62	0.10			29.35
St Dev				0.54	0.80	0.45	0.70	0.80	1.12	0.20			2.37
Net Irr					3.13	5.03	7.29	6.04	1.49				22.98
Alfalfa (Dairy)				0.79	4.90	5.79	6.95	6.25	2.90	0.10			27.68
St Dev				0.54	0.71	0.53	0.37	0.44	1.17	0.24			2.40
Net Irr					3.09	4.84	6.21	5.40	1.77				21.31
Barley				0.46	2.93	7.32	8.24	1.19					20.13
St Dev				0.24	0.84	0.96	0.96	1.03					0.69
Net Irr					1.12	6.37	7.50	0.35					15.33
Corn					0.36	1.95	6.64	8.24	3.37	0.13			20.68
St Dev					0.23	0.51	1.33	0.35	1.23	0.27			2.37
Net Irr						1.00	5.90	7.40	2.24				16.54
Melon					0.32	2.82	5.94	5.41	1.92	0.01			16.42
St Dev					0.22	0.66	0.38	0.47	1.08	0.06			1.90
Net Irr						1.87	5.21	4.57	0.79				12.43
Other Hay				0.82	5.40	7.78	5.86	3.08	1.45	0.14			24.52
St Dev				0.57	0.80	0.65	0.95	0.16	0.19	0.13			1.29
Net Irr					3.58	6.83	5.13	2.24	0.32				18.10
Pasture				0.99	3.83	5.18	6.31	5.78	3.47	0.73	0.01		26.30
St Dev				0.47	0.46	0.45	0.35	0.28	0.61	0.68	0.05		2.19
Net Irr					2.02	4.23	5.57	4.94	2.34				19.10
Potato					0.57	2.50	6.48	6.39	2.67	0.11			18.72
St Dev					0.24	0.72	0.73	0.30	1.00	0.23			1.87
Net Irr						1.55	5.74	5.55	1.54				14.38
Safflower					0.52	6.56	9.27	8.36	3.85	0.52			29.08
St Dev					0.50	1.12	0.51	0.40	1.03	0.52			2.87
Net Irr						5.60	8.54	7.52	2.72				24.38
Sorghum					0.45	2.78	7.33	7.64	3.40	0.01			21.61
St Dev					0.29	0.60	0.73	0.39	1.18	0.07			2.12
Net Irr						1.83	6.59	6.80	2.27				17.49
Spring Grain				0.46	2.78	7.14	8.79	2.23	0.01				21.41
St Dev				0.24	0.79	1.01	0.73	1.37	0.04				0.71
Net Irr					0.97	6.19	8.05	1.39					16.60
Winter Wheat			0.29	1.22	3.09	7.30	7.13	0.74					19.76
St Dev			0.16	0.23	0.93	1.04	1.48	0.71					0.61
Net Irr					1.27	6.35	6.39						14.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PRESTON

Aridity Index: 41%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.09, Long: -111.87, Elev: 4800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.98	2.67	5.77	6.75	1.73				17.89
St Dev					0.28	0.41	0.67	0.57	0.90				1.80
Net Irr						1.72	5.03	5.90	0.60				13.25
Small Fruit					0.50	3.17	7.90	8.06	2.54	0.01			22.18
St Dev					0.25	0.74	0.80	0.75	1.46	0.07			2.75
Net Irr						2.22	7.16	7.22	1.41				18.00
Turfgrass				1.25	3.22	4.56	5.56	5.11	3.31	0.83	0.01		23.84
St Dev				0.48	0.35	0.41	0.31	0.25	0.46	0.70	0.06		1.94
Net Irr					1.41	3.61	4.83	4.27	2.18				16.29
Open Water Deep	0.42	0.39	0.98	1.67	2.25	3.01	4.30	4.78	2.98	2.22	1.17	0.59	24.74
St Dev	0.08	0.08	0.22	0.29	0.28	0.37	0.40	0.39	0.33	0.27	0.20	0.10	1.60
Net Evap				0.29	0.43	2.06	3.56	3.93	1.85	0.84	0.10		13.06
Open Water Shallow	0.43	0.80	2.15	3.30	4.52	5.28	6.21	5.64	3.92	2.34	0.99	0.41	36.00
St Dev	0.07	0.10	0.29	0.34	0.33	0.36	0.28	0.22	0.28	0.22	0.15	0.08	1.49
Net Evap			0.94	1.91	2.71	4.33	5.47	4.80	2.79	0.96			23.92
Wetlands Large					0.02	2.68	8.44	8.91	4.26	0.23			24.55
St Dev					0.09	1.02	0.95	0.45	1.66	0.46			3.20
Net ET						1.73	7.71	8.07	3.13				20.64
Wetlands Narrow					0.03	3.51	11.96	12.73	6.09	0.32			34.64
St Dev					0.10	1.41	1.40	0.64	2.37	0.65			4.57
Net ET						2.55	11.23	11.89	4.96				30.63
ETr	0.42	0.84	2.67	4.50	6.21	7.62	9.27	8.52	5.81	3.50	1.41	0.59	51.37
St Dev	0.12	0.15	0.47	0.59	0.57	0.66	0.51	0.41	0.53	0.44	0.29	0.16	2.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RUPERT 3 WSW

Aridity Index: 19%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.6, Long: -113.76, Elev: 4200 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.54	29.92	38.17	45.90	54.62	62.42	70.03	68.46	58.68	47.86	35.31	26.25	46.93
St Dev	5.16	5.56	4.26	3.09	2.57	2.89	3.36	2.58	2.90	2.43	3.71	4.62	1.49
Precip (in)	0.91	0.63	0.97	0.89	1.25	0.81	0.45	0.46	0.60	0.83	0.90	0.84	9.54
St Dev	0.90	0.41	0.66	0.50	1.12	0.76	0.43	0.50	0.54	0.57	0.64	1.01	3.36
Aridity Adj. (F)	0.38	0.36	0.51	0.70	1.05	1.29	1.08	1.06	1.08	0.99	0.68	0.46	0.80
Est. Dewpoint (F)	17.70	21.11	24.34	28.13	35.68	42.93	48.63	44.76	36.97	29.01	24.47	18.36	31.01
Rs (langley/day)	161	252	361	473	569	645	642	563	444	304	179	134	394
Wind (mpd)	175	174	188	203	172	141	103	102	114	144	155	172	154
Calc. Wind Limit (mpd)	117	132	132	132	132	132	119	116	122	132	117	117	125
.....Inches.....													
Alfalfa (Beef)				1.94	6.50	6.62	7.42	7.61	3.35	0.45			33.90
St Dev				0.87	0.81	0.72	0.78	0.65	1.85	0.78			3.02
Net Irr				1.23	5.50	5.98	7.06	7.24	2.87				29.87
Alfalfa (Dairy)				1.94	6.12	6.59	7.05	6.55	3.16	0.34			31.74
St Dev				0.87	0.60	0.58	0.58	0.46	1.54	0.63			2.58
Net Irr				1.23	5.11	5.94	6.69	6.18	2.68				27.83
Barley			0.01	1.00	4.77	8.73	5.93	0.12					20.56
St Dev			0.03	0.43	1.15	0.80	1.62	0.22					1.13
Net Irr				0.29	3.76	8.08	5.57						17.71
Other Hay				2.03	7.04	8.26	4.74	2.95	1.39	0.06			26.47
St Dev				0.93	0.91	0.87	0.84	0.22	0.31	0.13			1.83
Net Irr				1.32	6.04	7.61	4.38	2.57	0.92				22.84
Pasture			0.04	1.94	4.79	5.82	6.39	5.96	3.90	1.25	0.03		30.13
St Dev			0.09	0.65	0.57	0.51	0.52	0.35	0.89	1.12	0.11		2.34
Net Irr				1.23	3.79	5.18	6.04	5.59	3.42	0.59			25.83
Safflower					1.70	8.24	9.40	8.49	4.26	0.80			32.89
St Dev					1.09	0.92	0.76	0.56	1.41	0.73			2.77
Net Irr					0.70	7.59	9.04	8.12	3.78	0.14			29.37
Spring Grain			0.01	0.98	4.52	8.68	7.07	0.49					21.74
St Dev			0.03	0.41	1.12	0.83	1.40	0.50					1.21
Net Irr				0.27	3.51	8.03	6.71	0.12					18.64
Winter Wheat			0.66	1.68	5.07	8.63	4.24	0.07					20.35
St Dev			0.28	0.36	1.24	0.79	1.71	0.11					1.09
Net Irr				0.97	4.07	7.98	3.88						16.90

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RUPERT 3 WSW

Aridity Index: 19%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.6, Long: -113.76, Elev: 4200 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.60	3.48	6.58	6.79	1.57				20.00
St Dev					0.34	0.46	0.72	0.61	0.85				1.51
Net Irr					0.59	2.83	6.22	6.42	1.09				17.14
Turfgrass			0.06	2.11	4.03	5.14	5.64	5.29	3.71	1.38	0.04		27.40
St Dev			0.15	0.52	0.50	0.45	0.46	0.32	0.65	1.16	0.14		2.04
Net Irr				1.40	3.03	4.49	5.28	4.91	3.23	0.71			23.07
Open Water Deep	1.30	1.41	1.92	2.45	3.43	4.22	4.58	5.19	4.00	3.96	1.99	1.34	35.79
St Dev	0.24	0.31	0.40	0.38	0.47	0.51	0.56	0.44	0.41	0.43	0.32	0.21	2.04
Net Evap	0.57	0.91	1.14	1.74	2.43	3.58	4.23	4.82	3.52	3.29	1.27	0.67	28.16
Open Water Shallow	0.80	1.28	2.56	3.69	4.93	5.64	6.17	5.63	4.09	2.70	1.17	0.70	39.34
St Dev	0.12	0.21	0.36	0.33	0.41	0.37	0.38	0.26	0.25	0.23	0.16	0.10	1.60
Net Evap	0.07	0.78	1.79	2.98	3.93	4.99	5.81	5.26	3.61	2.03	0.45	0.03	31.71
Wetlands Large					0.21	4.50	9.36	9.25	5.28	0.75			29.34
St Dev					0.32	1.12	0.92	0.57	1.96	1.26			3.34
Net ET						3.85	9.00	8.88	4.80	0.08			26.61
Wetlands Narrow					0.24	6.05	13.34	13.22	7.54	1.07			41.46
St Dev					0.38	1.63	1.32	0.81	2.80	1.80			4.77
Net ET						5.40	12.99	12.84	7.06	0.41			38.70
ETr	1.28	1.78	3.69	5.40	7.29	8.57	9.40	8.81	6.70	4.94	2.03	1.24	61.12
St Dev	0.25	0.39	0.69	0.66	0.83	0.76	0.76	0.54	0.57	0.65	0.41	0.22	3.52

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SHOSHONE 1 WNW

Aridity Index: 54%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.94, Long: -114.42, Elev: 3950 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.47	30.40	39.58	47.94	57.17	65.82	74.42	72.78	62.02	50.11	36.34	26.93	49.08
St Dev	4.83	5.30	3.93	3.19	3.02	3.17	2.90	2.72	3.12	2.55	3.65	4.42	1.55
Precip (in)	1.37	1.13	1.21	0.78	0.93	0.56	0.26	0.30	0.53	0.72	1.24	1.53	10.56
St Dev	1.04	0.92	0.75	0.43	0.69	0.56	0.34	0.34	0.51	0.63	0.96	1.22	2.76
Aridity Adj. (F)	1.08	1.03	1.46	2.00	2.97	3.67	3.08	3.02	3.08	2.81	1.94	1.30	2.29
Est. Dewpoint (F)	17.97	20.97	24.60	28.56	35.50	41.80	48.91	46.94	38.43	30.53	25.06	19.29	31.55
Rs (langley/day)	164	257	360	483	599	661	670	581	458	316	186	139	406
Wind (mpd)	153	154	163	173	146	126	99	95	106	127	134	147	135
Calc. Wind Limit (mpd)	111	132	132	132	132	128	105	99	104	116	109	96	116
.....Inches.....													
Alfalfa (Beef)			0.01	2.08	6.74	7.03	7.71	7.57	3.78	0.47			35.40
St Dev			0.07	0.95	0.67	0.78	0.56	0.60	1.67	0.67			2.90
Net Irr				1.45	5.99	6.59	7.51	7.33	3.36				32.23
Alfalfa (Dairy)			0.01	2.08	6.35	6.90	7.46	6.55	3.48	0.44			33.26
St Dev			0.07	0.95	0.62	0.49	0.39	0.37	1.47	0.65			2.65
Net Irr				1.45	5.61	6.45	7.25	6.31	3.06				30.13
Barley			0.01	1.09	5.14	9.11	5.44	0.03					20.81
St Dev			0.06	0.53	1.23	0.71	1.86	0.09					0.80
Net Irr				0.46	4.39	8.66	5.23						18.75
Other Hay			0.01	2.16	7.37	8.62	4.92	2.93	1.37	0.06			27.44
St Dev			0.07	1.00	0.83	0.71	0.75	0.17	0.25	0.10			1.33
Net Irr				1.54	6.63	8.17	4.71	2.70	0.95				24.68
Pasture			0.04	2.01	5.01	6.10	6.72	5.98	4.08	1.36	0.02		31.32
St Dev			0.13	0.69	0.52	0.44	0.33	0.29	0.43	0.89	0.06		2.00
Net Irr				1.39	4.26	5.65	6.52	5.74	3.65	0.78			28.00
Safflower					2.06	8.73	9.89	8.63	4.50	0.82			34.63
St Dev					1.14	0.84	0.49	0.38	0.80	0.55			2.13
Net Irr					1.31	8.29	9.68	8.39	4.08	0.24			31.99
Spring Grain			0.01	1.05	4.88	9.10	6.68	0.25					21.98
St Dev			0.06	0.50	1.21	0.76	1.68	0.32					0.77
Net Irr				0.43	4.13	8.65	6.47	0.01					19.70
Winter Wheat			0.66	1.78	5.46	8.90	3.75	0.03					20.56
St Dev			0.27	0.48	1.28	0.81	1.79	0.06					0.74
Net Irr				1.15	4.71	8.45	3.54						17.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SHOSHONE 1 WNW

Aridity Index: 54%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.94, Long: -114.42, Elev: 3950 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.73	3.71	7.01	6.83	1.68				20.96
St Dev					0.32	0.46	0.56	0.32	0.63				1.03
Net Irr					0.98	3.26	6.81	6.59	1.26				18.90
Turfgrass			0.07	2.18	4.21	5.38	5.93	5.28	3.80	1.52	0.02		28.38
St Dev			0.19	0.55	0.46	0.39	0.29	0.26	0.31	0.90	0.08		1.79
Net Irr				1.55	3.46	4.93	5.73	5.04	3.37	0.94			25.03
Open Water Deep	1.12	1.39	1.95	2.53	3.61	4.52	5.05	5.22	3.79	3.45	1.78	1.01	35.41
St Dev	0.18	0.33	0.37	0.41	0.49	0.53	0.44	0.41	0.39	0.35	0.28	0.15	1.84
Net Evap	0.02	0.49	0.98	1.91	2.87	4.07	4.84	4.99	3.36	2.87	0.78		27.17
Open Water Shallow	0.73	1.28	2.57	3.79	5.18	5.84	6.54	5.86	4.18	2.66	1.12	0.62	40.35
St Dev	0.10	0.24	0.33	0.36	0.39	0.33	0.27	0.23	0.24	0.18	0.15	0.09	1.33
Net Evap		0.38	1.60	3.16	4.43	5.39	6.34	5.62	3.75	2.08	0.13		32.88
Wetlands Large					0.33	5.15	10.01	9.25	5.60	0.81			31.15
St Dev					0.43	1.15	0.58	0.46	1.73	1.13			3.35
Net ET						4.70	9.80	9.01	5.18	0.24			28.92
Wetlands Narrow					0.39	6.99	14.28	13.21	8.00	1.16			44.03
St Dev					0.54	1.68	0.84	0.65	2.48	1.62			4.78
Net ET						6.54	14.07	12.97	7.58	0.59			41.75
ETr	1.03	1.72	3.67	5.52	7.60	8.97	9.89	8.81	6.38	4.33	1.76	0.92	60.60
St Dev	0.18	0.43	0.61	0.69	0.75	0.64	0.49	0.43	0.44	0.40	0.31	0.17	2.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SODA SPRINGS AP

Aridity Index: 65%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.65, Long: -111.58, Elev: 5842 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.74	20.77	29.75	39.83	49.25	57.29	65.19	63.57	53.82	42.72	30.16	19.98	40.92
St Dev	5.13	4.41	4.09	3.40	2.30	2.66	2.94	2.43	2.51	2.36	4.03	4.61	1.48
Precip (in)	1.21	1.19	1.36	1.35	2.02	1.26	1.11	1.14	1.20	1.23	1.17	1.19	15.44
St Dev	0.67	0.80	0.65	0.73	1.32	0.82	1.08	0.92	0.89	0.76	0.81	0.79	3.88
Aridity Adj. (F)	1.30	1.24	1.76	2.41	3.58	4.42	3.71	3.64	3.71	3.38	2.34	1.56	2.75
Est. Dewpoint (F)	12.54	14.29	18.74	21.24	27.03	31.87	36.06	34.16	27.57	22.04	17.13	11.60	22.86
Rs (langley/day)	174	247	393	504	547	652	652	545	439	322	196	137	401
Wind (mpd)	151	158	150	159	153	157	139	143	136	136	137	141	147
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)					3.26	6.51	6.43	4.25	0.52				20.97
St Dev					0.54	0.65	1.08	1.78	0.72				2.99
Net Irr					1.65	5.50	5.54	3.34					16.03
Alfalfa (Dairy)					3.26	5.98	6.46	4.07	0.44				20.22
St Dev					0.54	0.41	1.06	2.08	0.63				3.16
Net Irr					1.65	4.97	5.57	3.16					15.35
Barley					1.38	4.72	8.86	5.00	0.25				20.21
St Dev					0.27	0.86	0.88	1.94	0.40				2.61
Net Irr						3.71	7.97	4.09					15.78
Corn						0.99	3.59	6.33	1.27				12.18
St Dev						0.10	0.77	1.15	1.49				2.05
Net Irr							2.70	5.42	0.31				8.43
Melon						1.02	4.58	4.12	0.13				9.85
St Dev						0.10	0.37	0.62	0.32				0.88
Net Irr						0.01	3.69	3.21					6.91
Other Hay					3.69	7.22	7.32	2.91	0.70	0.01			21.84
St Dev					0.55	0.66	0.65	0.49	0.53	0.03			1.52
Net Irr					2.07	6.22	6.43	2.00					16.71
Pasture					2.40	4.70	5.96	4.77	1.23	0.01			19.07
St Dev					0.25	0.41	0.46	0.95	1.03	0.05			1.92
Net Irr					0.79	3.69	5.07	3.86	0.27				13.67
Potato						0.99	3.66	5.75	2.02	0.07	0.03	0.02	12.54
St Dev						0.10	0.69	0.53	1.26	0.42	0.21	0.10	1.25
Net Irr							2.77	4.84	1.06				8.67
Safflower						2.46	8.70	6.59	1.16	0.01			18.91
St Dev						0.26	0.68	1.54	1.10	0.03			2.47
Net Irr						1.45	7.81	5.68	0.20				15.13
Sorghum						1.23	4.64	5.95	0.96				12.78
St Dev						0.11	0.39	1.29	1.27				2.29
Net Irr						0.22	3.75	5.04					9.02
Spring Grain					1.34	4.47	8.81	5.51	0.46				20.58
St Dev					0.26	0.82	0.90	2.16	0.64				3.01
Net Irr						3.46	7.92	4.60					15.98
Winter Wheat				0.89	1.69	4.48	8.72	4.28	0.18				20.23
St Dev				0.14	0.30	1.13	0.92	1.68	0.27				2.17
Net Irr					0.07	3.47	7.83	3.37					14.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SODA SPRINGS AP

Aridity Index: 65%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 42.65, Long: -111.58, Elev: 5842 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.24	3.16	5.01	0.41				9.81
St Dev						0.11	0.25	0.33	0.62				0.85
Net Irr						0.23	2.27	4.10					6.60
Small Fruit						0.96	4.54	7.17	0.44				13.11
St Dev						0.09	0.36	0.46	0.68				1.05
Net Irr							3.65	6.26					9.91
Turfgrass					2.49	3.98	5.26	4.35	1.31	0.02			17.40
St Dev					0.26	0.35	0.41	0.75	1.03	0.07			1.71
Net Irr					0.87	2.97	4.37	3.44	0.35				12.00
Open Water Deep	0.56	0.45	0.63	1.18	1.79	2.38	3.63	3.87	2.56	2.02	1.17	0.68	20.91
St Dev	0.08	0.08	0.13	0.22	0.23	0.30	0.40	0.30	0.27	0.25	0.21	0.11	1.36
Net Evap				0.09	0.18	1.37	2.74	2.96	1.60	1.03	0.23		10.20
Open Water Shallow	0.50	0.79	1.93	3.16	4.06	4.93	5.72	4.98	3.51	2.20	0.95	0.47	33.21
St Dev	0.07	0.10	0.23	0.34	0.33	0.34	0.34	0.22	0.24	0.21	0.14	0.08	1.49
Net Evap			0.84	2.08	2.45	3.93	4.83	4.07	2.55	1.21	0.01		21.96
Wetlands Large						0.89	6.29	6.40	1.10				14.68
St Dev						0.29	0.78	2.33	1.49				3.44
Net ET							5.40	5.49	0.14				11.03
Wetlands Narrow						1.08	8.74	9.14	1.58				20.53
St Dev						0.37	1.14	3.33	2.13				4.90
Net ET						0.07	7.85	8.23	0.62				16.76
ETr	0.63	0.89	2.16	3.98	5.54	6.98	8.76	7.79	5.42	3.39	1.44	0.75	47.73
St Dev	0.16	0.19	0.33	0.55	0.56	0.62	0.68	0.47	0.52	0.48	0.29	0.19	2.87

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TWIN FALLS 6 E

Aridity Index: 15%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.55, Long: -114.35, Elev: 3960 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.43	32.14	39.98	46.34	54.45	62.47	69.44	67.90	58.72	48.55	36.78	28.28	47.71
St Dev	4.93	4.46	3.10	2.89	2.43	2.52	2.90	2.29	2.63	2.25	3.64	4.63	1.35
Precip (in)	1.30	0.89	1.17	1.11	1.36	0.79	0.29	0.40	0.60	0.82	1.17	1.27	11.17
St Dev	0.84	0.70	0.70	0.61	1.05	0.63	0.29	0.45	0.54	0.64	0.69	0.99	2.79
Aridity Adj. (F)	0.30	0.29	0.41	0.56	0.83	1.02	0.86	0.84	0.86	0.78	0.54	0.36	0.64
Est. Dewpoint (F)	20.29	23.48	26.38	29.50	36.28	42.11	46.58	44.95	37.24	30.36	26.10	20.82	32.01
Rs (langley/day)	162	253	357	480	589	656	657	576	459	315	185	140	402
Wind (mpd)	136	141	143	148	128	115	94	89	99	114	118	128	121
Calc. Wind Limit (mpd)	102	132	131	132	132	112	97	96	96	100	99	96	110
.....Inches.....													
Alfalfa (Beef)			0.01	2.20	6.34	6.36	7.04	6.99	4.52	1.07	0.02		34.56
St Dev			0.06	0.80	0.57	0.64	0.48	0.48	1.15	0.87	0.10		2.40
Net Irr				1.32	5.25	5.72	6.81	6.68	4.03	0.42			30.23
Alfalfa (Dairy)			0.01	2.20	5.93	6.29	6.87	6.03	4.09	0.97	0.01		32.40
St Dev			0.06	0.80	0.51	0.42	0.45	0.34	0.82	0.90	0.03		2.12
Net Irr				1.32	4.84	5.66	6.63	5.72	3.61	0.32			28.09
Barley			0.01	1.13	4.85	8.34	5.42	0.07					19.82
St Dev			0.04	0.45	0.98	0.63	1.45	0.17					0.43
Net Irr				0.24	3.76	7.70	5.19						16.89
Other Hay			0.01	2.32	6.96	7.67	4.27	2.64	1.22	0.03			25.12
St Dev			0.06	0.86	0.67	0.70	0.56	0.15	0.24	0.07			1.18
Net Irr				1.44	5.86	7.04	4.03	2.32	0.74				21.43
Pasture			0.06	2.11	4.69	5.55	6.19	5.50	3.97	1.72	0.07		29.85
St Dev			0.12	0.58	0.43	0.40	0.37	0.26	0.32	0.72	0.20		1.83
Net Irr				1.22	3.60	4.91	5.96	5.18	3.48	1.07			25.42
Safflower					2.10	8.00	9.10	7.98	4.48	0.92			32.58
St Dev					1.00	0.71	0.54	0.37	0.54	0.40			1.59
Net Irr					1.01	7.36	8.87	7.66	4.00	0.27			29.16
Spring Grain			0.01	1.10	4.61	8.32	6.55	0.38					20.95
St Dev			0.04	0.43	0.97	0.66	1.26	0.42					0.43
Net Irr				0.21	3.52	7.68	6.31	0.06					17.78
Winter Wheat			0.73	1.75	5.23	8.19	3.61	0.04					19.55
St Dev			0.24	0.41	1.07	0.66	1.47	0.09					0.40
Net Irr				0.86	4.14	7.55	3.38						15.93

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TWIN FALLS 6 E

Aridity Index: 15%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.55, Long: -114.35, Elev: 3960 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.06	1.71	3.56	6.65	6.07	1.51				19.58
St Dev				0.13	0.29	0.50	0.59	0.44	0.59				0.93
Net Irr					0.62	2.93	6.42	5.76	1.02				16.75
Turfgrass			0.09	2.21	3.95	4.90	5.46	4.85	3.61	1.86	0.09		27.02
St Dev			0.18	0.45	0.38	0.35	0.33	0.23	0.27	0.67	0.22		1.60
Net Irr				1.32	2.86	4.26	5.23	4.53	3.13	1.20			22.54
Open Water Deep	1.18	1.52	2.01	2.42	3.27	3.80	4.39	4.44	3.41	3.06	1.78	1.16	32.45
St Dev	0.19	0.31	0.33	0.36	0.39	0.41	0.44	0.34	0.33	0.31	0.28	0.18	1.56
Net Evap	0.14	0.81	1.08	1.54	2.18	3.17	4.16	4.13	2.93	2.41	0.84	0.15	23.52
Open Water Shallow	0.79	1.35	2.63	3.74	5.02	5.65	6.23	5.59	4.09	2.63	1.18	0.70	39.60
St Dev	0.10	0.22	0.30	0.33	0.36	0.33	0.31	0.22	0.24	0.19	0.16	0.10	1.20
Net Evap		0.64	1.69	2.85	3.92	5.01	6.00	5.28	3.61	1.97	0.24		31.22
Wetlands Large					0.33	4.81	9.28	8.49	6.09	1.84	0.02		30.86
St Dev					0.35	0.93	0.61	0.40	0.74	1.51	0.10		2.71
Net ET						4.18	9.04	8.17	5.61	1.18			28.18
Wetlands Narrow					0.39	6.56	13.24	12.13	8.70	2.62	0.03		43.66
St Dev					0.45	1.37	0.88	0.58	1.06	2.15	0.15		3.87
Net ET						5.92	13.00	11.81	8.22	1.97			40.92
ETr	1.12	1.82	3.68	5.24	7.04	8.16	9.10	8.09	6.02	4.10	1.85	1.08	57.30
St Dev	0.16	0.41	0.54	0.61	0.63	0.59	0.54	0.38	0.44	0.38	0.32	0.20	2.17

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TWIN FALLS KMVT

Aridity Index: 53%, Temp. Adj. (F): 0.5, Period: 1971-2008, Lat: 42.58, Long: -114.46, Elev: 3670 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.13	33.47	41.51	47.86	56.93	64.96	72.92	70.84	61.03	50.28	37.72	28.99	49.64
St Dev	4.37	4.42	3.33	3.38	2.95	3.11	3.38	2.42	3.23	2.81	4.02	4.63	1.82
Precip (in)	0.96	0.70	0.93	0.89	1.15	0.62	0.33	0.31	0.40	0.75	0.99	0.95	8.98
St Dev	0.73	0.63	0.70	0.58	0.91	0.62	0.38	0.41	0.39	0.54	0.73	0.98	2.80
Aridity Adj. (F)	1.06	1.01	1.43	1.96	2.92	3.60	3.02	2.97	3.02	2.76	1.91	1.27	2.24
Est. Dewpoint (F)	20.85	23.12	26.22	29.64	36.26	41.84	47.92	45.57	37.12	29.96	25.48	20.56	32.04
Rs (langley/day)	163	251	362	484	585	649	655	576	460	315	185	139	402
Wind (mpd)	138	143	146	151	130	116	95	90	100	116	120	130	123
Calc. Wind Limit (mpd)	103	132	132	132	132	114	98	96	96	102	100	96	111
.....Inches.....													
Alfalfa (Beef)			0.01	2.48	6.57	6.65	7.22	7.03	4.48	0.91			35.34
St Dev			0.07	0.90	0.63	0.94	0.50	0.56	1.26	1.04			2.91
Net Irr				1.76	5.65	6.15	6.95	6.78	4.16	0.31			31.77
Alfalfa (Dairy)			0.01	2.48	6.05	6.39	7.09	6.26	3.96	0.80			33.04
St Dev			0.07	0.90	0.54	0.52	0.56	0.34	1.06	0.93			2.60
Net Irr				1.76	5.13	5.90	6.83	6.00	3.64	0.20			29.46
Barley			0.02	1.28	5.38	8.45	4.74	0.05					19.93
St Dev			0.07	0.53	1.20	0.67	1.78	0.13					0.74
Net Irr				0.57	4.46	7.96	4.48						17.47
Other Hay			0.01	2.60	7.32	7.64	4.27	2.68	1.18	0.03			25.73
St Dev			0.06	0.96	0.84	0.72	0.52	0.14	0.26	0.06			1.48
Net Irr				1.89	6.40	7.15	4.01	2.43	0.86				22.73
Pasture			0.10	2.29	4.91	5.66	6.38	5.66	3.97	1.62	0.06		30.64
St Dev			0.16	0.62	0.53	0.47	0.47	0.26	0.49	0.83	0.19		2.11
Net Irr				1.58	3.99	5.16	6.12	5.41	3.65	1.02			26.92
Safflower					2.56	8.20	9.38	8.15	4.36	0.84			33.49
St Dev					1.31	0.77	0.70	0.38	0.80	0.46			2.12
Net Irr					1.64	7.70	9.12	7.89	4.04	0.24			30.64
Spring Grain			0.02	1.24	5.11	8.48	5.99	0.25					21.10
St Dev			0.07	0.50	1.19	0.74	1.64	0.39					0.82
Net Irr				0.53	4.20	7.98	5.73						18.44
Winter Wheat		0.01	0.83	1.92	5.78	8.11	3.05	0.03					19.73
St Dev		0.03	0.27	0.56	1.31	0.71	1.71	0.09					0.76
Net Irr			0.08	1.21	4.87	7.61	2.79						16.55

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: TWIN FALLS KMVT

Aridity Index: 53%, Temp. Adj. (F): 0.5, Period: 1971-2008, Lat: 42.58, Long: -114.46, Elev: 3670 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.11	1.86	3.76	6.96	6.15	1.44				20.28
St Dev				0.17	0.34	0.63	0.77	0.42	0.60				1.13
Net Irr					0.94	3.26	6.70	5.90	1.12				17.92
Turfgrass			0.16	2.33	4.16	4.99	5.63	5.00	3.66	1.76	0.07		27.75
St Dev			0.24	0.46	0.48	0.42	0.42	0.24	0.36	0.80	0.21		1.86
Net Irr				1.62	3.24	4.49	5.37	4.75	3.33	1.16			23.97
Open Water Deep	1.30	1.70	2.20	2.51	3.55	4.01	4.72	4.73	3.54	3.20	1.85	1.21	34.53
St Dev	0.22	0.34	0.37	0.40	0.50	0.50	0.57	0.37	0.36	0.36	0.31	0.18	2.28
Net Evap	0.53	1.15	1.46	1.80	2.63	3.51	4.46	4.48	3.22	2.60	1.05	0.44	27.34
Open Water Shallow	0.85	1.43	2.73	3.80	5.09	5.65	6.34	5.69	4.14	2.66	1.20	0.72	40.30
St Dev	0.12	0.23	0.32	0.37	0.41	0.37	0.38	0.22	0.24	0.21	0.16	0.10	1.58
Net Evap	0.09	0.87	1.99	3.08	4.17	5.15	6.08	5.44	3.82	2.06	0.41		33.16
Wetlands Large					0.47	5.14	9.60	8.75	5.94	1.49	0.01		31.40
St Dev					0.50	1.19	0.81	0.41	0.95	1.61	0.03		3.34
Net ET						4.64	9.34	8.50	5.62	0.89			29.00
Wetlands Narrow					0.56	7.04	13.71	12.51	8.49	2.13	0.01		44.43
St Dev					0.64	1.76	1.17	0.59	1.36	2.29	0.04		4.77
Net ET						6.54	13.44	12.25	8.17	1.53			41.93
ETr	1.26	2.07	3.95	5.37	7.34	8.32	9.38	8.34	6.17	4.24	1.93	1.14	59.51
St Dev	0.22	0.44	0.61	0.69	0.77	0.70	0.70	0.39	0.45	0.43	0.34	0.19	3.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CALIENTE

Aridity Index: 55%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.62, Long: -114.52, Elev: 4400 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	33.34	38.63	44.89	51.43	60.60	69.80	76.45	74.53	65.86	54.58	42.18	33.43	53.81
St Dev	4.11	2.89	3.34	3.44	3.36	2.67	2.29	2.08	2.12	3.14	2.70	3.22	1.19
Precip (in)	0.96	1.02	1.27	0.75	0.64	0.34	0.75	1.01	0.77	0.96	0.73	0.61	9.81
St Dev	0.92	1.02	1.23	0.75	0.55	0.47	0.96	0.87	0.79	1.20	0.77	0.49	3.44
Aridity Adj. (F)	1.10	1.05	1.49	2.04	3.03	3.74	3.14	3.08	3.14	2.86	1.98	1.32	2.33
Est. Dewpoint (F)	19.07	21.13	21.70	22.92	27.09	30.32	40.24	40.77	31.94	26.90	21.16	18.47	26.81
Rs (langley/day)	243	318	444	570	644	699	629	577	503	376	272	229	459
Wind (mpd)	55	57	69	81	82	86	83	76	70	57	57	47	68
Calc. Wind Limit (mpd)	96	96	100	117	102	103	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)			0.65	4.78	6.52	8.41	8.20	6.63	5.28	1.75	0.04		42.27
St Dev			0.41	0.73	0.50	0.88	0.78	0.40	0.84	1.32	0.16		2.40
Net Irr				4.18	6.01	8.14	7.61	5.82	4.66	0.98			37.39
Alfalfa (Dairy)			0.65	4.78	6.23	7.20	7.59	6.60	4.87	1.62	0.05		39.59
St Dev			0.41	0.73	0.55	0.40	0.35	0.30	0.53	1.02	0.17		2.05
Net Irr				4.18	5.72	6.92	6.99	5.79	4.26	0.85			34.71
Barley			0.40	2.76	7.63	8.81	1.56						21.15
St Dev			0.19	0.77	1.07	0.93	1.45						0.98
Net Irr				2.16	7.11	8.53	0.96						18.76
Corn				0.29	2.07	7.04	9.67	5.31	0.33				24.72
St Dev				0.18	0.47	1.43	0.49	1.26	0.48				1.10
Net Irr					1.56	6.77	9.07	4.50					21.90
Other Hay			0.66	5.23	8.35	6.24	3.70	2.32	0.44				26.94
St Dev			0.43	0.65	0.68	0.78	0.20	0.16	0.21				1.29
Net Irr				4.63	7.84	5.96	3.10	1.51					23.04
Pasture			0.85	3.74	5.52	6.62	6.86	5.98	4.42	1.98	0.17		36.13
St Dev			0.33	0.40	0.46	0.40	0.31	0.26	0.30	0.75	0.30		1.73
Net Irr				3.14	5.01	6.35	6.26	5.17	3.81	1.21			30.93
Potato				0.42	2.43	6.63	7.52	3.99	0.21				21.20
St Dev				0.14	0.56	0.90	0.41	1.21	0.37				1.13
Net Irr					1.92	6.35	6.92	3.18					18.38
Spring Grain			0.40	2.62	7.43	9.34	2.60						22.39
St Dev			0.18	0.72	1.11	0.70	1.76						1.00
Net Irr				2.02	6.92	9.06	2.00						20.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CALIENTE

Aridity Index: 55%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.62, Long: -114.52, Elev: 4400 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden				0.60	2.48	5.40	8.18	5.28	0.50				22.44
St Dev				0.10	0.22	0.36	0.38	0.27	0.14				0.77
Net Irr					1.97	5.13	7.58	4.47					19.15
Turfgrass			1.11	3.12	4.85	5.84	6.05	5.28	4.03	2.08	0.18		32.55
St Dev			0.36	0.32	0.41	0.35	0.27	0.23	0.24	0.65	0.30		1.48
Net Irr			0.09	2.52	4.34	5.57	5.45	4.47	3.42	1.31			27.17
Open Water Deep	0.97	1.09	1.63	2.29	3.39	4.84	5.70	5.18	3.58	2.33	1.52	0.84	33.35
St Dev	0.17	0.15	0.26	0.31	0.43	0.43	0.39	0.29	0.25	0.29	0.20	0.13	1.46
Net Evap	0.21	0.27	0.62	1.69	2.87	4.56	5.11	4.37	2.96	1.56	0.93	0.36	25.50
Open Water Shallow	1.32	1.87	3.29	4.48	5.66	6.32	6.44	5.95	4.70	3.14	1.79	1.20	46.16
St Dev	0.18	0.22	0.36	0.36	0.39	0.30	0.23	0.20	0.23	0.26	0.18	0.15	1.27
Net Evap	0.55	1.05	2.27	3.88	5.15	6.05	5.84	5.14	4.09	2.37	1.20	0.71	38.31
Wetlands Large					2.69	8.90	10.59	9.23	6.91	2.59	0.10		41.01
St Dev					0.92	1.05	0.48	0.40	0.71	1.38	0.30		2.85
Net ET					2.18	8.62	9.99	8.42	6.29	1.82			37.33
Wetlands Narrow					3.50	12.61	15.12	13.19	9.87	3.70	0.14		58.13
St Dev					1.26	1.55	0.68	0.57	1.02	1.97	0.42		4.07
Net ET					2.99	12.34	14.53	12.38	9.25	2.93			54.41
ETr	1.69	2.38	4.30	6.11	8.11	9.74	10.08	8.80	6.72	4.27	2.46	1.46	66.12
St Dev	0.30	0.34	0.57	0.59	0.68	0.58	0.45	0.38	0.40	0.43	0.33	0.23	2.30

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CLOVER VALLEY

Aridity Index: 79%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.85, Long: -115.03, Elev: 5750 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.31	29.96	37.37	43.53	51.80	60.02	67.64	66.15	57.59	47.13	34.89	26.64	45.67
St Dev	5.30	4.17	3.40	3.38	2.78	2.68	2.39	2.34	2.53	2.74	3.70	3.94	1.36
Precip (in)	1.74	1.22	1.34	1.36	1.50	0.94	0.45	0.60	0.93	1.09	1.63	1.69	14.49
St Dev	1.38	0.91	0.86	0.79	1.38	0.73	0.40	0.72	1.08	0.84	0.99	1.90	4.23
Aridity Adj. (F)	1.58	1.50	2.13	2.92	4.35	5.37	4.50	4.42	4.50	4.11	2.84	1.90	3.34
Est. Dewpoint (F)	15.48	18.82	20.46	22.20	27.14	32.57	38.41	36.07	29.57	23.91	19.27	15.29	24.93
Rs (langley/day)	170	262	367	495	609	675	684	589	466	323	191	142	414
Wind (mpd)	142	129	127	130	135	111	111	97	88	108	109	116	117
Calc. Wind Limit (mpd)	101	130	132	132	132	127	108	105	101	112	98	99	115
.....Inches.....													
Alfalfa (Beef)					3.74	6.74	6.66	5.00	1.15	0.01			23.29
St Dev					0.55	0.67	0.86	1.39	1.25	0.05			2.83
Net Irr					2.54	5.98	6.30	4.52	0.40				19.74
Alfalfa (Dairy)					3.74	6.23	6.69	5.00	0.78	0.02			22.46
St Dev					0.55	0.55	0.43	1.53	0.88	0.10			2.16
Net Irr					2.54	5.47	6.33	4.52	0.04				18.90
Barley					1.55	4.90	8.99	5.49	0.33				21.26
St Dev					0.34	0.97	0.57	1.49	0.47				1.54
Net Irr					0.34	4.15	8.63	5.01					18.13
Corn						1.03	3.43	6.66	1.75	0.03			12.89
St Dev						0.09	0.64	0.87	1.41	0.16			2.10
Net Irr						0.28	3.07	6.18	1.00				10.53
Other Hay					4.21	7.55	7.38	2.96	0.85	0.03			22.98
St Dev					0.51	0.67	0.47	0.40	0.53	0.11			1.43
Net Irr					3.00	6.79	7.02	2.48	0.11				19.41
Pasture					2.63	4.89	6.00	4.96	1.53	0.07			20.07
St Dev					0.32	0.44	0.37	0.80	1.11	0.27			1.93
Net Irr					1.42	4.13	5.64	4.48	0.79				16.46
Sorghum						1.28	4.70	6.42	1.46	0.02			13.88
St Dev						0.11	0.31	1.00	1.35	0.15			2.11
Net Irr						0.53	4.34	5.94	0.71				11.52
Spring Grain					1.50	4.64	8.93	6.13	0.60				21.80
St Dev					0.31	0.91	0.60	1.54	0.67				1.94
Net Irr					0.30	3.89	8.57	5.65					18.41
Winter Wheat				1.06	2.01	4.89	8.87	4.36	0.19				21.39
St Dev				0.17	0.40	1.24	0.57	1.63	0.29				1.20
Net Irr					0.81	4.14	8.51	3.88					17.34

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CLOVER VALLEY

Aridity Index: 79%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.85, Long: -115.03, Elev: 5750 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.29	3.18	5.06	0.88				10.40
St Dev						0.11	0.20	0.34	0.87				1.02
Net Irr						0.54	2.82	4.58	0.13				8.06
Turfgrass					2.76	4.13	5.30	4.48	1.61	0.08			18.35
St Dev					0.31	0.36	0.33	0.64	1.05	0.31			1.72
Net Irr					1.56	3.37	4.94	4.00	0.86				14.73
Open Water Deep	0.82	1.03	1.38	1.72	2.48	2.71	3.83	3.79	2.40	2.46	1.34	0.90	24.88
St Dev	0.16	0.22	0.25	0.32	0.33	0.33	0.34	0.31	0.23	0.31	0.24	0.16	1.42
Net Evap		0.06	0.31	0.63	1.28	1.95	3.47	3.31	1.66	1.59	0.04		14.30
Open Water Shallow	0.68	1.16	2.31	3.35	4.57	5.14	5.98	5.26	3.71	2.38	1.06	0.63	36.22
St Dev	0.11	0.18	0.26	0.37	0.37	0.35	0.28	0.25	0.23	0.22	0.16	0.11	1.34
Net Evap		0.18	1.23	2.26	3.37	4.39	5.62	4.78	2.96	1.51			26.31
Wetlands Large						1.28	6.93	7.23	1.65	0.03			17.12
St Dev						0.16	0.47	1.92	1.60	0.17			3.13
Net ET						0.53	6.57	6.75	0.90				14.75
Wetlands Narrow						1.59	9.70	10.33	2.36	0.04			24.02
St Dev						0.21	0.66	2.74	2.29	0.25			4.47
Net ET						0.84	9.34	9.85	1.61				21.64
ETr	0.98	1.54	3.12	4.55	6.33	7.28	8.83	7.79	5.41	3.88	1.75	1.05	52.51
St Dev	0.22	0.37	0.48	0.68	0.68	0.65	0.54	0.48	0.44	0.49	0.39	0.27	2.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ELGIN

Aridity Index: 70%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.35, Long: -114.54, Elev: 3420 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	40.69	44.45	50.07	55.54	64.59	73.07	80.03	78.51	70.95	60.36	47.86	40.10	58.85
St Dev	3.11	2.84	3.06	3.39	3.05	2.70	2.51	1.56	2.29	3.10	3.28	3.19	0.94
Precip (in)	1.35	1.80	1.73	0.80	0.51	0.28	0.79	0.90	0.72	1.01	0.92	0.92	11.74
St Dev	1.56	1.85	1.63	0.79	0.52	0.34	1.23	0.96	0.89	1.31	1.23	0.92	5.13
Aridity Adj. (F)	1.40	1.33	1.89	2.59	3.85	4.76	3.99	3.92	3.99	3.64	2.52	1.68	2.96
Est. Dewpoint (F)	26.62	27.26	25.90	26.05	28.71	31.24	41.59	42.79	36.34	32.82	27.23	26.03	31.05
Rs (langleys/day)	239	310	448	558	641	693	622	570	504	381	277	223	455
Wind (mpd)	62	62	78	90	88	91	86	80	74	64	63	54	74
Calc. Wind Limit (mpd)	96	96	96	104	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)			1.36	5.85	6.74	8.07	9.20	7.54	5.32	3.26	0.26		47.61
St Dev			0.52	0.72	0.52	0.53	0.67	0.76	0.44	0.98	0.42		2.06
Net Irr				5.21	6.33	7.85	8.57	6.83	4.74	2.45			41.97
Alfalfa (Dairy)			1.36	5.56	6.73	7.78	7.94	6.98	5.25	2.76	0.33		44.70
St Dev			0.52	0.54	0.48	0.50	0.36	0.33	0.30	0.95	0.50		1.93
Net Irr				4.92	6.32	7.55	7.31	6.26	4.67	1.95			38.99
Barley			0.76	4.24	8.87	6.83	0.29						20.99
St Dev			0.31	1.01	0.74	1.57	0.53						0.80
Net Irr				3.60	8.46	6.61							18.67
Corn				0.60	2.86	8.71	9.77	3.42	0.01				25.37
St Dev				0.23	0.68	1.18	0.57	1.45	0.05				0.98
Net Irr					2.45	8.49	9.13	2.70					22.77
Melon				0.56	3.81	6.66	6.91	6.05	0.95				24.93
St Dev				0.25	0.68	0.35	0.28	0.33	0.73				0.76
Net Irr					3.39	6.43	6.28	5.33	0.37				21.80
Onion			0.01	2.45	5.74	10.10	10.56	5.76	0.04				34.66
St Dev			0.06	0.54	0.77	0.59	0.43	1.18	0.12				1.03
Net Irr				1.81	5.33	9.87	9.93	5.04					31.98
Other Hay			1.38	6.22	8.78	5.54	3.69	2.25	0.18				28.03
St Dev			0.52	0.64	0.62	0.58	0.19	0.18	0.14				1.22
Net Irr				5.59	8.36	5.31	3.06	1.53					23.86
Other Orchard			0.61	4.35	8.34	9.86	10.17	7.70	4.86	0.52			46.40
St Dev			0.34	0.56	0.60	0.50	0.41	0.40	0.32	0.39			1.46
Net Irr				3.71	7.92	9.63	9.53	6.98	4.28				42.07
Pasture			1.39	4.29	5.96	6.98	7.23	6.37	4.82	2.88	0.85		40.77
St Dev			0.39	0.41	0.42	0.35	0.29	0.27	0.25	0.35	0.52		1.43
Net Irr				3.66	5.54	6.76	6.60	5.65	4.24	2.07	0.12		34.64
Potato				0.83	3.68	7.73	7.37	1.86					21.47
St Dev				0.24	0.80	0.64	0.47	1.22					0.77
Net Irr				0.19	3.27	7.50	6.74	1.14					18.84
Sorghum				0.75	3.74	8.65	9.57	5.90					28.61
St Dev				0.29	0.71	0.67	0.39	1.21					0.84
Net Irr				0.11	3.33	8.43	8.93	5.18					25.98
Spring Grain			0.74	4.02	8.81	8.00	0.75						22.32
St Dev			0.30	0.96	0.79	1.17	0.88						0.79
Net Irr				3.38	8.39	7.78	0.12						19.67

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ELGIN

Aridity Index: 70%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 37.35, Long: -114.54, Elev: 3420 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches												
Garden			0.01	1.34	3.39	7.01	8.44	3.57	0.02				23.78
St Dev			0.04	0.30	0.46	0.66	0.41	0.85	0.06				0.70
Net Irr				0.70	2.98	6.79	7.81	2.85					21.13
Turfgrass Dixie			1.82	3.46	5.61	6.67	6.91	6.08	4.65	3.02	1.09	0.01	39.32
St Dev			0.39	0.32	0.40	0.34	0.28	0.26	0.24	0.30	0.62	0.07	1.36
Net Irr			0.43	2.82	5.20	6.45	6.28	5.37	4.07	2.21	0.35		33.18
Open Water Deep	1.37	1.41	2.20	2.89	4.11	5.55	6.56	6.13	4.31	3.01	1.94	1.15	40.63
St Dev	0.20	0.20	0.31	0.38	0.45	0.48	0.48	0.28	0.31	0.35	0.26	0.16	1.50
Net Evap	0.28		0.81	2.26	3.70	5.33	5.93	5.41	3.73	2.21	1.20	0.41	31.27
Open Water Shallow	1.52	2.03	3.61	4.69	5.90	6.47	6.61	6.16	4.98	3.44	2.00	1.34	48.75
St Dev	0.18	0.22	0.33	0.36	0.35	0.27	0.22	0.20	0.22	0.27	0.19	0.15	1.17
Net Evap	0.44	0.59	2.23	4.05	5.49	6.25	5.97	5.44	4.40	2.63	1.26	0.60	39.36
Wetlands Large				0.06	3.99	10.05	11.16	9.83	7.51	4.18	0.51		47.28
St Dev				0.12	0.99	0.82	0.45	0.42	0.39	1.25	0.79		2.69
Net ET					3.58	9.82	10.53	9.11	6.93	3.37			43.33
Wetlands Narrow				0.06	5.30	14.31	15.94	14.04	10.73	5.96	0.73		67.08
St Dev				0.14	1.40	1.20	0.65	0.60	0.56	1.78	1.12		3.85
Net ET					4.89	14.08	15.31	13.32	10.15	5.16			62.91
ETr	1.98	2.61	4.89	6.63	8.76	10.27	10.63	9.36	7.15	4.69	2.70	1.65	71.30
St Dev	0.29	0.33	0.53	0.59	0.62	0.52	0.43	0.40	0.37	0.43	0.31	0.22	2.11

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ELY AIRPORT

Aridity Index: 99%, Temp. Adj. (F): -1, Period: 1971-2008, Lat: 39.3, Long: -114.85, Elev: 6262 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.20	29.46	36.01	42.26	50.61	60.20	67.90	65.94	56.66	45.58	33.81	25.74	44.95
St Dev	4.56	3.80	3.53	3.33	2.73	2.69	2.02	2.01	2.23	2.74	3.50	3.85	1.15
Precip (in)	0.70	0.77	1.01	0.95	1.20	0.61	0.66	0.88	0.85	0.97	0.66	0.55	9.80
St Dev	0.45	0.46	0.59	0.69	0.92	0.60	0.59	0.68	0.99	0.68	0.45	0.37	2.77
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	13.66	15.60	16.36	16.89	20.77	23.28	32.60	32.42	24.18	19.62	14.93	12.77	20.26
Rs (langley/day)	237	295	422	537	563	654	595	574	483	352	252	201	430
Wind (mpd)	141	138	148	157	144	152	145	150	147	143	137	140	145
Calc. Wind Limit (mpd)	96	96	131	132	120	119	96	106	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)					1.73	7.50	6.70	5.68	0.68				22.29
St Dev					0.28	0.78	0.64	1.65	1.09				2.72
Net Irr					0.77	7.01	6.18	4.98					18.94
Alfalfa (Dairy)					1.73	7.41	6.72	4.74	0.60				21.19
St Dev					0.28	0.69	0.55	1.84	0.90				2.74
Net Irr					0.77	6.92	6.19	4.03					17.92
Barley					0.70	4.52	8.92	6.36	0.30				20.81
St Dev					0.13	0.83	0.57	1.75	0.53				2.13
Net Irr						4.04	8.39	5.65					18.08
Corn						1.00	3.72	7.23	1.23				13.18
St Dev						0.09	0.51	1.05	1.50				2.40
Net Irr						0.51	3.20	6.52	0.56				10.79
Other Hay					1.77	8.08	9.05	4.57	1.06	0.02			24.55
St Dev					0.26	0.65	0.39	0.48	0.64	0.07			1.20
Net Irr					0.81	7.60	8.53	3.86	0.39				21.18
Pasture					1.08	5.17	6.08	5.47	1.68	0.03			19.51
St Dev					0.16	0.41	0.26	0.84	1.14	0.12			1.73
Net Irr					0.12	4.68	5.56	4.76	1.00				16.13
Sorghum						1.25	4.14	6.68	1.03				13.09
St Dev						0.10	0.20	1.02	1.39				2.16
Net Irr						0.76	3.62	5.97	0.35				10.70
Spring Grain					0.70	4.28	8.82	7.00	0.51				21.30
St Dev					0.12	0.77	0.55	1.55	0.78				2.03
Net Irr						3.79	8.29	6.29					18.38
Winter Wheat				0.62	1.93	5.22	8.94	4.85	0.15				21.73
St Dev				0.10	0.32	1.22	0.53	1.64	0.32				1.46
Net Irr					0.97	4.74	8.42	4.15					18.28

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ELY AIRPORT

Aridity Index: 99%, Temp. Adj. (F): -1, Period: 1971-2008, Lat: 39.3, Long: -114.85, Elev: 6262 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.25	2.97	5.18	1.32				10.72
St Dev						0.10	0.13	0.25	0.75				0.80
Net Irr						0.76	2.45	4.48	0.64				8.33
Turfgrass					1.50	4.33	5.34	4.90	1.74	0.04			17.85
St Dev					0.21	0.35	0.23	0.68	1.09	0.15			1.56
Net Irr					0.54	3.84	4.82	4.19	1.07				14.46
Open Water Deep	0.99	1.02	1.76	2.17	2.75	3.91	4.20	4.64	3.00	2.38	1.58	1.06	29.45
St Dev	0.16	0.17	0.31	0.35	0.36	0.41	0.28	0.28	0.23	0.30	0.25	0.18	1.28
Net Evap	0.43	0.40	0.96	1.40	1.79	3.42	3.68	3.94	2.32	1.60	1.05	0.62	21.62
Open Water Shallow	1.00	1.40	2.74	3.75	4.45	5.38	5.55	5.39	3.98	2.58	1.40	0.89	38.50
St Dev	0.12	0.17	0.32	0.39	0.38	0.33	0.18	0.18	0.20	0.24	0.18	0.13	1.16
Net Evap	0.44	0.79	1.93	2.98	3.49	4.89	5.03	4.68	3.30	1.80	0.88	0.45	30.66
Wetlands Large						1.40	6.88	7.71	1.15				17.14
St Dev						0.12	0.31	1.86	1.62				3.08
Net ET						0.92	6.35	7.01	0.47				14.75
Wetlands Narrow						1.73	9.61	11.02	1.64				24.00
St Dev						0.15	0.43	2.65	2.32				4.40
Net ET						1.25	9.08	10.31	0.96				21.61
ETr	1.48	1.93	3.81	5.31	6.73	8.62	8.94	8.53	6.14	4.08	2.26	1.49	59.32
St Dev	0.26	0.33	0.58	0.71	0.76	0.71	0.38	0.39	0.41	0.51	0.40	0.31	2.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GREAT BASIN NP

Aridity Index: 40%, Temp. Adj. (F): -10, Period: 1971-2008, Lat: 39.01, Long: -114.23, Elev: 6830 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.38	32.23	38.76	44.45	54.35	64.09	72.40	70.10	60.66	49.57	37.11	29.85	48.66
St Dev	4.61	3.64	3.38	3.35	2.99	2.99	2.34	1.82	2.18	3.00	3.66	3.53	1.18
Precip (in)	0.92	1.11	1.42	1.24	1.42	0.95	1.19	1.26	1.51	1.52	0.94	0.68	14.16
St Dev	0.78	0.75	1.13	0.88	1.27	0.84	1.21	1.05	1.45	1.29	0.76	0.58	3.68
Aridity Adj. (F)	0.80	0.76	1.08	1.48	2.20	2.72	2.28	2.24	2.28	2.08	1.44	0.96	1.69
Est. Dewpoint (F)	24.47	23.11	23.19	24.56	31.86	36.66	46.55	45.66	37.36	32.40	24.81	23.02	31.14
Rs (langley/day)	225	288	434	550	600	668	602	586	494	354	252	198	438
Wind (mpd)	94	89	111	120	115	116	111	118	117	100	100	87	107
Calc. Wind Limit (mpd)	96	96	130	132	119	118	96	105	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)					2.01	5.95	5.32	4.99	1.48				19.76
St Dev					0.31	0.62	0.24	1.10	1.03				1.54
Net Irr					0.88	5.19	4.37	3.98	0.27				14.69
Alfalfa (Dairy)					2.01	5.79	5.25	4.62	1.20				18.87
St Dev					0.31	0.48	0.28	0.94	0.83				1.41
Net Irr					0.88	5.03	4.30	3.61					13.81
Barley					0.80	3.69	6.91	5.62	0.72				17.73
St Dev					0.16	0.81	0.51	0.79	0.60				0.84
Net Irr						2.93	5.96	4.61					13.50
Corn						1.02	2.41	5.23	2.80	0.03			11.49
St Dev						0.09	0.43	0.97	0.93	0.15			1.25
Net Irr						0.26	1.46	4.22	1.59				7.52
Other Hay					2.20	6.62	6.62	2.97	1.00	0.03			19.43
St Dev					0.30	0.51	0.35	0.43	0.40	0.10			0.97
Net Irr					1.06	5.86	5.66	1.96					14.53
Pasture					1.33	4.29	4.70	4.39	1.74	0.07			16.52
St Dev					0.18	0.33	0.24	0.63	0.83	0.22			1.30
Net Irr					0.19	3.53	3.75	3.38	0.54				11.38
Sorghum						1.28	3.90	5.68	1.88	0.01			12.75
St Dev						0.10	0.22	0.89	1.11	0.04			1.64
Net Irr						0.52	2.95	4.67	0.67				8.81
Spring Grain					0.78	3.47	6.77	6.12	1.19				18.33
St Dev					0.15	0.79	0.72	1.09	0.87				1.18
Net Irr						2.71	5.82	5.11					13.64
Winter Wheat				0.44	1.34	3.38	6.69	5.17	0.59				17.62
St Dev				0.08	0.20	0.89	0.77	1.44	0.59				0.95
Net Irr					0.20	2.62	5.74	4.16					12.72

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GREAT BASIN NP

Aridity Index: 40%, Temp. Adj. (F): -10, Period: 1971-2008, Lat: 39.01, Long: -114.23, Elev: 6830 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.28	2.58	4.36	1.34				9.57
St Dev						0.10	0.14	0.62	0.91				1.14
Net Irr						0.52	1.63	3.35	0.13				5.64
Turfgrass					1.61	3.54	4.15	3.91	1.76	0.08			15.04
St Dev					0.21	0.27	0.22	0.55	0.75	0.24			1.15
Net Irr					0.47	2.78	3.19	2.90	0.55				9.89
Open Water Deep	0.15	0.22	0.55	0.84	1.34	2.32	2.39	2.72	1.66	1.18	0.66	0.19	14.24
St Dev	0.10	0.12	0.17	0.18	0.22	0.28	0.20	0.36	0.18	0.22	0.17	0.09	0.81
Net Evap					0.20	1.56	1.44	1.71	0.45				5.37
Open Water Shallow	0.48	0.89	2.16	3.13	4.11	5.02	5.17	5.10	3.62	2.09	0.93	0.40	33.10
St Dev	0.12	0.19	0.29	0.34	0.34	0.31	0.21	0.72	0.23	0.25	0.17	0.11	1.15
Net Evap		0.01	1.02	2.14	2.97	4.25	4.22	4.09	2.42	0.88	0.17		22.17
Wetlands Large						1.50	5.73	6.71	2.19	0.01			16.14
St Dev						0.36	0.52	1.04	1.29	0.05			1.94
Net ET						0.74	4.78	5.70	0.99				12.20
Wetlands Narrow						1.91	8.06	9.58	3.13	0.01			22.69
St Dev						0.47	0.77	1.49	1.85	0.07			2.78
Net ET						1.14	7.11	8.57	1.93				18.75
ETr	0.08	0.67	2.19	3.46	4.95	6.62	6.91	6.51	4.38	2.29	0.85	0.09	39.00
St Dev	0.19	0.28	0.43	0.49	0.53	0.52	0.36	0.91	0.36	0.39	0.27	0.19	1.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LAGES

Aridity Index: 100%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.06, Long: -114.62, Elev: 5960 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.73	30.61	38.21	44.42	53.78	62.85	71.05	69.50	58.89	47.50	35.32	27.08	47.16
St Dev	4.79	3.58	3.09	3.47	2.79	3.11	2.13	1.96	2.40	2.75	3.44	3.25	1.07
Precip (in)	0.66	0.54	0.78	0.81	0.93	0.51	0.60	0.40	0.61	0.90	0.55	0.37	7.66
St Dev	0.55	0.38	0.59	0.71	0.75	0.61	0.57	0.37	0.68	0.90	0.41	0.38	2.36
Aridity Adj. (F)	2.00	1.90	2.70	3.70	5.50	6.80	5.70	5.60	5.70	5.20	3.60	2.40	4.23
Est. Dewpoint (F)	16.76	17.74	17.77	19.99	24.24	27.88	34.68	34.23	26.09	22.26	17.75	15.80	22.93
Rs (langley/day)	229	288	419	518	560	644	578	559	472	344	240	196	421
Wind (mpd)	99	121	117	140	133	128	130	136	129	111	110	97	121
Calc. Wind Limit (mpd)	96	96	119	132	105	100	96	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)					3.46	7.04	6.83	5.47	1.73	0.02			24.55
St Dev					0.50	0.58	0.49	0.94	1.58	0.11			2.41
Net Irr					2.72	6.63	6.35	5.15	1.24				22.09
Alfalfa (Dairy)					3.46	6.38	6.61	5.70	1.23	0.02			23.40
St Dev					0.50	0.40	0.34	0.99	1.19	0.11			1.96
Net Irr					2.72	5.97	6.13	5.38	0.74				20.94
Barley					1.44	5.34	8.88	5.26	0.20				21.13
St Dev					0.31	1.07	0.46	1.23	0.41				0.86
Net Irr					0.70	4.94	8.40	4.94					18.98
Other Hay					3.79	7.90	7.60	3.28	1.16	0.03			23.75
St Dev					0.44	0.65	0.37	0.16	0.46	0.11			1.20
Net Irr					3.05	7.49	7.12	2.96	0.67				21.29
Pasture					2.35	5.11	5.92	5.46	2.07	0.06			20.96
St Dev					0.27	0.42	0.29	0.25	1.01	0.25			1.33
Net Irr					1.60	4.71	5.44	5.14	1.58				18.46
Sorghum						1.36	4.62	7.01	2.09	0.06			15.14
St Dev						0.11	0.26	0.72	1.60	0.33			2.14
Net Irr						0.95	4.14	6.69	1.60				13.38
Spring Grain					1.40	5.06	8.85	6.22	0.55				22.09
St Dev					0.29	1.04	0.50	1.08	0.59				1.10
Net Irr					0.65	4.66	8.38	5.90	0.06				19.65

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LAGES

Aridity Index: 100%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 40.06, Long: -114.62, Elev: 5960 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.36	3.13	5.29	1.21				11.00
St Dev						0.11	0.16	0.25	0.92				1.02
Net Irr						0.96	2.65	4.98	0.72				9.31
Turfgrass					2.54	4.29	5.22	4.87	2.15	0.07			19.15
St Dev					0.29	0.35	0.25	0.23	0.92	0.28			1.19
Net Irr					1.79	3.88	4.74	4.55	1.66				16.63
Open Water Deep	0.80	0.86	1.51	1.95	2.33	3.09	4.26	4.41	2.90	2.20	1.37	0.86	26.54
St Dev	0.15	0.15	0.24	0.32	0.30	0.36	0.30	0.29	0.22	0.28	0.23	0.13	1.25
Net Evap	0.27	0.42	0.88	1.31	1.59	2.69	3.78	4.09	2.41	1.48	0.93	0.56	20.41
Open Water Shallow	0.85	1.27	2.63	3.56	4.36	5.15	5.49	5.29	3.88	2.45	1.24	0.75	36.92
St Dev	0.12	0.17	0.28	0.35	0.34	0.34	0.20	0.19	0.18	0.22	0.17	0.10	1.18
Net Evap	0.32	0.83	2.01	2.91	3.61	4.74	5.02	4.98	3.39	1.73	0.80	0.45	30.79
Wetlands Large						1.64	7.15	8.18	2.41	0.07			19.46
St Dev						0.16	0.38	1.13	1.90	0.39			2.78
Net ET						1.23	6.68	7.86	1.92				17.69
Wetlands Narrow						2.06	10.05	11.69	3.44	0.10			27.35
St Dev						0.21	0.54	1.62	2.72	0.55			3.98
Net ET						1.66	9.57	11.37	2.95				25.55
ETr	1.06	1.59	3.53	4.90	6.24	7.66	8.70	8.12	5.86	3.71	1.85	1.06	54.30
St Dev	0.23	0.30	0.50	0.63	0.62	0.64	0.42	0.38	0.34	0.45	0.35	0.23	2.40

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LAKE VALLEY STEWARD

Aridity Index: 41%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.32, Long: -114.65, Elev: 6350 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.94	33.03	38.64	44.97	54.03	64.19	71.91	69.42	60.73	49.92	38.07	30.56	48.79
St Dev	3.69	3.10	3.79	3.56	3.80	3.28	2.83	2.19	2.43	3.36	3.53	3.55	1.22
Precip (in)	1.48	1.78	1.84	1.25	1.29	0.65	1.28	1.48	1.11	1.53	1.03	1.05	15.79
St Dev	1.21	1.56	1.58	1.18	1.33	0.69	1.19	1.31	1.04	1.66	1.00	0.96	4.75
Aridity Adj. (F)	0.82	0.78	1.11	1.52	2.26	2.79	2.34	2.30	2.34	2.13	1.48	0.98	1.74
Est. Dewpoint (F)	22.89	23.22	23.00	24.06	29.46	34.17	44.54	44.30	36.24	31.39	24.92	22.26	30.04
Rs (langley/day)	272	334	421	558	602	718	599	596	474	367	257	220	452
Wind (mpd)	71	96	111	124	127	125	112	123	109	88	95	80	105
Calc. Wind Limit (mpd)	96	96	125	132	120	122	96	104	99	96	96	96	106
.....Inches.....													
Alfalfa (Beef)				0.21	3.85	6.93	5.96	4.89	2.76	0.15			24.75
St Dev				0.06	0.58	0.54	0.87	1.00	1.29	0.35			2.77
Net Irr					2.82	6.41	4.94	3.71	1.87				19.74
Alfalfa (Dairy)				0.21	3.85	6.30	5.62	4.98	2.36	0.17			23.48
St Dev				0.06	0.58	0.48	0.42	0.92	1.30	0.38			2.39
Net Irr					2.82	5.78	4.60	3.79	1.47				18.46
Barley				0.10	1.58	5.67	7.52	4.23	0.27				19.37
St Dev				0.03	0.40	1.16	0.59	1.59	0.35				1.60
Net Irr					0.55	5.15	6.49	3.04					15.24
Corn						1.49	3.29	6.15	3.55	0.37			14.85
St Dev						0.14	0.67	0.69	1.43	0.69			2.21
Net Irr						0.97	2.27	4.96	2.66				10.85
Other Hay				0.20	4.42	8.01	5.52	2.63	1.25	0.12			22.15
St Dev				0.06	0.55	0.59	0.28	0.16	0.25	0.14			1.12
Net Irr					3.39	7.49	4.50	1.44	0.36				17.18
Pasture				0.14	2.77	5.21	5.07	4.68	2.69	0.38			20.93
St Dev				0.04	0.34	0.38	0.22	0.30	0.72	0.52			1.38
Net Irr					1.74	4.68	4.04	3.49	1.80				15.76
Sorghum						1.99	4.96	6.17	3.22	0.20			16.55
St Dev						0.15	0.22	0.43	1.29	0.31			1.67
Net Irr						1.47	3.94	4.99	2.33				12.72
Spring Grain				0.10	1.53	5.40	7.53	5.11	0.72				20.39
St Dev				0.03	0.37	1.14	0.59	1.48	0.60				1.81
Net Irr					0.50	4.88	6.50	3.92					15.80
Winter Wheat				0.94	1.76	5.25	7.38	3.46	0.25				19.03
St Dev				0.15	0.36	1.35	0.62	1.63	0.30				1.38
Net Irr					0.73	4.72	6.35	2.27					14.08

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LAKE VALLEY STEWARD

Aridity Index: 41%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 38.32, Long: -114.65, Elev: 6350 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.90	3.15	4.91	2.07	0.02			12.06
St Dev						0.14	0.14	0.43	1.13	0.15			1.38
Net Irr						1.37	2.13	3.73	1.18				8.41
Turfgrass				0.24	2.65	4.46	4.47	4.14	2.61	0.43			19.00
St Dev				0.07	0.32	0.33	0.20	0.26	0.57	0.55			1.22
Net Irr					1.62	3.94	3.45	2.95	1.72				13.68
Open Water Deep	0.32	0.48	0.81	1.28	2.00	3.27	3.10	3.24	2.24	1.52	0.98	0.42	19.66
St Dev	0.11	0.16	0.21	0.25	0.32	0.35	0.23	0.23	0.23	0.25	0.19	0.11	1.11
Net Evap				0.28	0.97	2.74	2.08	2.05	1.35	0.29	0.15		9.92
Open Water Shallow	0.81	1.23	2.30	3.47	4.42	5.65	5.38	5.25	3.75	2.39	1.15	0.65	36.44
St Dev	0.17	0.23	0.34	0.40	0.42	0.33	0.19	0.25	0.25	0.27	0.17	0.13	1.37
Net Evap			0.82	2.46	3.39	5.13	4.35	4.06	2.86	1.16	0.32		24.57
Wetlands Large						2.72	6.91	7.22	3.75	0.40			21.00
St Dev						0.41	0.37	0.50	1.51	0.73			2.22
Net ET						2.20	5.88	6.03	2.86				16.98
Wetlands Narrow						3.54	9.80	10.31	5.36	0.57			29.58
St Dev						0.56	0.54	0.72	2.16	1.04			3.16
Net ET						3.02	8.77	9.13	4.47				25.39
ETr	0.51	1.06	2.49	4.05	5.66	7.68	7.45	6.90	4.89	2.82	1.25	0.49	45.25
St Dev	0.24	0.34	0.50	0.60	0.67	0.56	0.33	0.43	0.41	0.42	0.28	0.21	2.28

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LEHMAN CAVES NM

Aridity Index: 40%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 39, Long: -114.22, Elev: 6826 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.50	32.34	37.27	43.86	53.75	63.09	71.53	70.01	60.58	48.99	37.04	31.20	48.35
St Dev	4.41	3.49	3.53	3.83	3.07	2.94	1.92	1.86	2.45	2.88	3.58	3.73	1.15
Precip (in)	0.91	1.11	1.47	1.27	1.48	0.91	1.17	1.13	1.32	1.40	0.86	0.69	13.70
St Dev	0.70	0.81	1.03	0.89	1.32	0.90	0.89	0.93	1.17	1.07	0.73	0.68	3.79
Aridity Adj. (F)	0.80	0.76	1.08	1.48	2.20	2.72	2.28	2.24	2.28	2.08	1.44	0.96	1.69
Est. Dewpoint (F)	24.40	23.39	21.72	24.16	31.08	35.81	45.69	45.95	36.99	31.59	24.45	24.15	30.78
Rs (langley/day)	251	323	436	568	598	697	625	620	497	373	254	203	454
Wind (mpd)	94	89	111	120	115	116	111	118	117	100	100	87	107
Calc. Wind Limit (mpd)	96	96	130	132	119	118	96	105	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)					1.92	5.98	5.42	5.07	1.63	0.05			20.06
St Dev					0.29	0.64	0.25	0.62	1.31	0.18			1.81
Net Irr					0.73	5.25	4.49	4.17	0.57				15.22
Alfalfa (Dairy)					1.92	5.90	5.35	4.60	1.33	0.04			19.14
St Dev					0.29	0.56	0.25	0.73	1.02	0.16			1.66
Net Irr					0.73	5.17	4.42	3.70	0.28				14.31
Barley					0.76	3.61	7.01	5.82	0.84	0.01			18.05
St Dev					0.14	0.75	0.44	0.73	0.71	0.03			1.00
Net Irr						2.89	6.08	4.92					13.88
Corn						0.99	2.33	5.07	3.02	0.09			11.51
St Dev						0.08	0.37	0.63	1.04	0.32			1.40
Net Irr						0.26	1.40	4.17	1.97				7.80
Other Hay					2.09	6.67	6.82	3.06	1.11	0.04			19.79
St Dev					0.28	0.56	0.31	0.17	0.39	0.10			1.02
Net Irr					0.90	5.94	5.89	2.16	0.06				14.95
Pasture					1.27	4.31	4.79	4.43	1.95	0.08			16.83
St Dev					0.17	0.36	0.21	0.26	0.81	0.21			1.23
Net Irr					0.08	3.59	3.86	3.53	0.90				11.95
Sorghum						1.24	3.86	5.64	1.95	0.07			12.76
St Dev						0.10	0.18	0.64	1.32	0.25			1.85
Net Irr						0.51	2.93	4.74	0.90				9.08
Spring Grain					0.75	3.41	6.90	6.19	1.24	0.01			18.50
St Dev					0.13	0.70	0.48	0.70	0.92	0.05			1.25
Net Irr						2.69	5.97	5.29	0.19				14.13
Winter Wheat				0.42	1.35	3.34	6.83	5.31	0.60				17.85
St Dev				0.07	0.19	0.86	0.53	0.91	0.55				0.87
Net Irr					0.17	2.62	5.90	4.41					13.09

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LEHMAN CAVES NM

Aridity Index: 40%, Temp. Adj. (F): -9.5, Period: 1971-2008, Lat: 39, Long: -114.22, Elev: 6826 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.25	2.58	4.31	1.43				9.57
St Dev						0.10	0.12	0.27	1.01				1.17
Net Irr						0.52	1.65	3.41	0.37				5.95
Turfgrass					1.56	3.56	4.23	3.93	1.95	0.09			15.32
St Dev					0.20	0.30	0.19	0.22	0.72	0.24			1.08
Net Irr					0.37	2.83	3.30	3.03	0.90				10.43
Open Water Deep	0.20	0.25	0.57	0.87	1.41	2.32	2.43	2.71	1.76	1.24	0.72	0.25	14.71
St Dev	0.13	0.13	0.15	0.19	0.22	0.29	0.17	0.20	0.17	0.23	0.18	0.09	0.94
Net Evap					0.22	1.59	1.50	1.81	0.70	0.12	0.04		5.98
Open Water Shallow	0.59	1.03	2.13	3.22	4.12	5.17	5.31	5.24	3.68	2.20	0.97	0.46	34.12
St Dev	0.15	0.21	0.26	0.36	0.33	0.34	0.18	0.21	0.21	0.25	0.18	0.10	1.24
Net Evap		0.15	0.96	2.20	2.93	4.44	4.38	4.34	2.62	1.08	0.29		23.39
Wetlands Large						1.49	5.85	6.68	2.28	0.09			16.38
St Dev						0.23	0.37	0.75	1.55	0.33			2.21
Net ET						0.76	4.91	5.78	1.23				12.68
Wetlands Narrow						1.89	8.22	9.54	3.26	0.13			23.03
St Dev						0.30	0.53	1.07	2.21	0.48			3.16
Net ET						1.16	7.29	8.64	2.20				19.29
ETr	0.17	0.76	2.18	3.52	5.02	6.72	7.05	6.55	4.50	2.41	0.94	0.17	39.99
St Dev	0.26	0.31	0.39	0.51	0.52	0.57	0.31	0.36	0.33	0.41	0.31	0.18	2.07

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGANDALE

Aridity Index: 22%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.62, Long: -114.48, Elev: 1410 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	45.79	51.21	56.87	63.14	73.31	82.03	87.90	86.32	78.93	67.36	54.30	45.36	66.04
St Dev	3.24	2.67	3.49	3.60	3.52	2.74	2.28	2.83	2.70	3.29	3.11	2.49	1.66
Precip (in)	0.62	0.59	0.66	0.30	0.20	0.08	0.46	0.47	0.34	0.37	0.34	0.46	4.89
St Dev	0.62	0.62	0.73	0.38	0.32	0.13	0.57	0.59	0.51	0.47	0.55	0.52	1.92
Aridity Adj. (F)	0.44	0.42	0.59	0.81	1.21	1.50	1.25	1.23	1.25	1.14	0.79	0.53	0.93
Est. Dewpoint (F)	30.20	32.28	32.16	33.42	38.73	42.69	51.64	52.88	45.26	40.61	33.45	29.38	38.56
Rs (langley/day)	233	304	432	557	636	692	609	551	465	349	240	190	438
Wind (mpd)	46	49	63	74	72	71	66	61	56	51	48	43	58
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			2.33	5.75	8.20	8.36	7.91	7.60	6.09	3.52	1.76	0.17	51.69
St Dev			0.62	0.34	0.65	0.83	0.38	0.52	0.58	0.31	0.57	0.30	1.82
Net Irr			1.80	5.51	8.04	8.29	7.54	7.23	5.82	3.22	1.49		48.94
Alfalfa (Dairy)			2.33	5.42	6.94	7.85	7.85	6.84	5.38	3.65	1.78	0.13	48.18
St Dev			0.62	0.37	0.47	0.33	0.31	0.25	0.21	0.26	0.61	0.23	1.62
Net Irr			1.80	5.18	6.78	7.79	7.49	6.47	5.11	3.36	1.51		45.47
Barley			1.45	6.56	7.67	0.60							16.28
St Dev			0.45	0.81	1.08	0.71							0.87
Net Irr			0.93	6.33	7.51	0.53							15.30
Corn				1.07	5.71	10.02	4.48	0.01					21.29
St Dev				0.30	1.21	0.43	1.74	0.04					1.17
Net Irr				0.83	5.55	9.96	4.11						20.46
Melon				1.05	4.89	6.85	6.76	5.39	0.16				25.09
St Dev				0.31	0.62	0.28	0.26	0.54	0.28				0.70
Net Irr				0.81	4.73	6.79	6.39	5.01					23.73
Onion			0.10	3.31	6.98	10.52	10.11	3.88					34.89
St Dev			0.16	0.44	0.84	0.44	0.41	0.92					0.95
Net Irr				3.07	6.82	10.46	9.74	3.50					33.59
Other Hay			2.16	7.12	8.92	4.92	3.43	1.89	0.02				28.47
St Dev			0.55	0.56	0.58	0.37	0.16	0.21	0.04				1.08
Net Irr			1.64	6.88	8.76	4.85	3.06	1.52					26.72
Other Orchard			1.11	5.37	8.94	10.12	9.85	7.08	4.45	0.07			47.00
St Dev			0.35	0.58	0.59	0.41	0.38	0.30	0.40	0.15			1.30
Net Irr			0.59	5.13	8.78	10.06	9.48	6.71	4.18				44.93
Pasture			1.95	4.79	6.34	7.17	7.07	6.16	4.78	3.09	1.36	0.02	42.73
St Dev			0.39	0.35	0.41	0.29	0.28	0.22	0.16	0.23	0.28	0.04	1.26
Net Irr			1.43	4.55	6.18	7.10	6.71	5.78	4.50	2.79	1.08		40.13
Potato				1.60	6.30	7.49	1.95						17.34
St Dev				0.51	0.79	0.43	1.24						0.79
Net Irr				1.36	6.14	7.42	1.58						16.51
Sorghum				1.27	5.00	9.29	9.36	3.86					28.78
St Dev				0.30	0.82	0.45	0.37	1.04					0.78
Net Irr				1.03	4.85	9.22	8.99	3.48					27.57
Spring Grain			1.39	6.39	8.36	1.29							17.43
St Dev			0.42	0.84	0.80	1.06							0.89
Net Irr			0.86	6.15	8.21	1.23							16.44

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LOGANDALE

Aridity Index: 22%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.62, Long: -114.48, Elev: 1410 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden			0.07	1.82	4.12	7.84	7.80	2.27					23.92
St Dev			0.11	0.25	0.50	0.52	0.42	0.61					0.65
Net Irr				1.58	3.97	7.77	7.43	1.90					22.65
Turfgrass Dixie			2.31	3.89	6.04	6.85	6.76	5.88	4.58	3.11	1.72	0.57	41.72
St Dev			0.35	0.31	0.40	0.28	0.26	0.21	0.16	0.21	0.34	0.42	1.40
Net Irr			1.79	3.65	5.88	6.79	6.39	5.51	4.30	2.81	1.44	0.20	38.77
Open Water Deep	1.34	1.53	2.40	3.34	4.88	6.33	6.86	6.29	4.62	3.29	1.98	1.24	44.09
St Dev	0.16	0.16	0.33	0.41	0.55	0.50	0.43	0.41	0.31	0.35	0.23	0.13	2.11
Net Evap	0.84	1.06	1.88	3.10	4.72	6.26	6.49	5.91	4.35	2.99	1.70	0.88	40.18
Open Water Shallow	1.68	2.27	3.89	5.16	6.48	7.03	6.94	6.46	5.18	3.64	2.09	1.44	52.26
St Dev	0.14	0.18	0.33	0.32	0.37	0.24	0.22	0.19	0.16	0.23	0.16	0.12	1.26
Net Evap	1.18	1.80	3.37	4.93	6.32	6.96	6.57	6.09	4.91	3.34	1.81	1.08	48.35
Wetlands Large				0.50	5.97	10.91	10.92	9.51	7.39	5.02	2.53	0.32	53.06
St Dev				0.33	0.96	0.53	0.43	0.33	0.25	0.34	0.77	0.48	2.23
Net ET				0.27	5.81	10.84	10.55	9.13	7.12	4.72	2.25		50.69
Wetlands Narrow				0.60	8.20	15.57	15.60	13.58	10.56	7.17	3.61	0.46	75.35
St Dev				0.41	1.42	0.77	0.61	0.47	0.36	0.48	1.10	0.69	3.18
Net ET				0.36	8.04	15.51	15.24	13.20	10.29	6.87	3.33	0.10	72.93
ETr	2.10	2.86	5.16	7.19	9.32	10.55	10.40	9.05	7.04	4.78	2.77	1.90	73.12
St Dev	0.20	0.26	0.50	0.50	0.61	0.43	0.41	0.32	0.24	0.32	0.25	0.19	2.01

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LUND

Aridity Index: 13%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.87, Long: -115.02, Elev: 5560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.74	33.27	39.30	45.47	53.88	62.74	69.75	67.87	59.87	49.52	37.34	29.39	48.09
St Dev	4.26	3.49	3.30	3.30	2.79	2.71	2.17	1.73	2.17	2.86	3.20	3.73	1.18
Precip (in)	0.89	0.94	1.18	1.04	1.17	0.77	0.70	0.98	0.90	1.10	0.75	0.71	11.14
St Dev	0.63	0.59	0.89	0.85	1.06	0.83	0.72	1.00	1.17	0.90	0.69	0.61	3.40
Aridity Adj. (F)	0.26	0.25	0.35	0.48	0.72	0.88	0.74	0.73	0.74	0.68	0.47	0.31	0.55
Est. Dewpoint (F)	19.84	21.32	21.54	22.61	28.60	31.49	39.94	40.17	33.01	28.26	20.78	18.60	27.18
Rs (langley/day)	233	290	422	544	569	646	592	568	479	349	249	204	429
Wind (mpd)	119	125	138	148	141	144	135	144	138	127	126	121	134
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	112	110	104	98	96	111
.....Inches.....													
Alfalfa (Beef)				0.43	4.99	7.55	7.51	5.84	2.69	0.03			29.03
St Dev				0.10	0.72	0.52	0.61	0.76	1.31	0.09			2.27
Net Irr					4.06	6.93	6.95	5.06	1.96				24.96
Alfalfa (Dairy)				0.43	4.99	6.93	6.55	6.12	2.34	0.06			27.42
St Dev				0.10	0.72	0.41	0.29	0.38	1.47	0.25			2.14
Net Irr					4.06	6.31	6.00	5.34	1.62				23.32
Barley				0.20	2.28	7.57	8.72	3.50	0.03				22.30
St Dev				0.05	0.51	1.15	0.36	1.46	0.09				0.84
Net Irr					1.35	6.95	8.16	2.72					19.18
Corn						1.91	5.32	8.23	3.51	0.08			19.06
St Dev						0.24	0.77	0.43	1.65	0.24			1.88
Net Irr						1.29	4.77	7.45	2.79				16.30
Other Hay				0.42	5.60	9.30	6.09	3.13	1.46	0.12			26.13
St Dev				0.10	0.65	0.75	0.29	0.16	0.39	0.16			1.32
Net Irr					4.67	8.68	5.54	2.35	0.74				21.97
Pasture				0.28	3.51	6.06	5.88	5.65	3.14	0.34			24.86
St Dev				0.07	0.41	0.49	0.25	0.28	1.07	0.53			1.57
Net Irr					2.58	5.44	5.32	4.86	2.41				20.62
Sorghum						2.44	5.88	7.51	3.41	0.07			19.31
St Dev						0.20	0.26	0.39	1.62	0.21			1.73
Net Irr						1.82	5.32	6.73	2.68				16.56
Spring Grain				0.20	2.18	7.28	8.83	4.86	0.26				23.61
St Dev				0.05	0.48	1.16	0.36	1.30	0.36				0.88
Net Irr					1.25	6.66	8.28	4.08					20.26
Winter Wheat				1.08	2.36	7.19	8.46	2.62	0.06				21.77
St Dev				0.16	0.46	1.38	0.50	1.39	0.14				0.81
Net Irr				0.25	1.43	6.57	7.90	1.84					17.98

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LUND

Aridity Index: 13%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 38.87, Long: -115.02, Elev: 5560 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						2.29	3.73	5.71	1.29				13.02
St Dev						0.19	0.16	0.78	1.40				2.05
Net Irr						1.67	3.17	4.92	0.57				10.34
Turfgrass				0.46	3.25	5.23	5.19	5.02	3.11	0.41			22.66
St Dev				0.11	0.36	0.42	0.22	0.26	0.91	0.61			1.38
Net Irr					2.32	4.61	4.63	4.23	2.38				18.18
Open Water Deep	0.69	0.78	1.47	1.93	2.86	4.34	3.87	4.49	3.26	2.48	1.46	0.82	28.44
St Dev	0.18	0.18	0.30	0.31	0.39	0.46	0.27	0.27	0.27	0.33	0.25	0.21	1.40
Net Evap		0.03	0.53	1.10	1.92	3.72	3.31	3.71	2.54	1.60	0.86	0.25	19.56
Open Water Shallow	0.82	1.26	2.61	3.72	4.58	5.52	5.51	5.34	4.08	2.60	1.34	0.77	38.13
St Dev	0.16	0.20	0.32	0.36	0.38	0.33	0.17	0.20	0.21	0.24	0.18	0.16	1.21
Net Evap	0.10	0.51	1.67	2.89	3.64	4.90	4.95	4.56	3.36	1.72	0.74	0.20	29.22
Wetlands Large						3.25	8.04	8.78	3.98	0.10			24.14
St Dev						0.46	0.43	0.46	1.89	0.33			2.10
Net ET						2.63	7.49	8.00	3.25				21.36
Wetlands Narrow						4.23	11.42	12.54	5.68	0.14			34.01
St Dev						0.62	0.62	0.65	2.69	0.47			2.99
Net ET						3.61	10.86	11.76	4.96				31.19
ETr	1.00	1.59	3.53	5.15	6.87	8.93	8.65	8.36	6.36	4.11	2.09	1.12	57.78
St Dev	0.32	0.37	0.62	0.67	0.76	0.72	0.36	0.44	0.46	0.53	0.41	0.37	2.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MCGILL

Aridity Index: 71%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.41, Long: -114.77, Elev: 6270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.71	31.12	37.39	43.64	52.42	62.43	70.26	68.44	59.04	48.05	36.11	28.42	47.09
St Dev	4.27	3.88	3.73	3.83	3.34	3.18	2.41	2.10	2.11	3.08	3.68	3.81	1.39
Precip (in)	0.58	0.65	0.72	0.96	1.12	0.62	0.62	0.69	0.84	0.93	0.62	0.41	8.77
St Dev	0.39	0.56	0.42	0.74	1.00	0.58	0.54	0.66	1.03	0.66	0.60	0.36	2.38
Aridity Adj. (F)	1.42	1.35	1.92	2.63	3.91	4.83	4.05	3.98	4.05	3.69	2.56	1.70	3.01
Est. Dewpoint (F)	19.50	19.89	20.04	21.48	26.59	31.00	40.24	39.95	31.07	26.00	20.74	19.04	26.29
Rs (langley/day)	222	276	395	522	563	644	581	562	470	335	245	194	417
Wind (mpd)	138	136	145	155	142	150	143	148	145	140	135	137	143
Calc. Wind Limit (mpd)	96	96	130	132	119	118	96	105	96	96	96	96	106
.....Inches.....													
Alfalfa (Beef)					3.16	6.76	5.79	4.94	1.48				22.13
St Dev					0.54	0.69	0.48	1.24	1.21				2.39
Net Irr					2.27	6.26	5.29	4.39	0.81				19.02
Alfalfa (Dairy)					3.16	6.35	5.79	4.89	1.08				21.27
St Dev					0.54	0.47	0.36	1.30	0.81				1.83
Net Irr					2.27	5.85	5.29	4.34	0.40				18.15
Barley					1.26	4.60	7.67	5.51	0.60				19.63
St Dev					0.30	1.13	0.58	1.44	0.69				1.31
Net Irr					0.36	4.10	7.17	4.95					16.59
Corn						1.13	2.98	6.19	2.47				12.78
St Dev						0.10	0.59	0.79	1.23				1.50
Net Irr						0.63	2.49	5.64	1.80				10.56
Other Hay					3.59	7.59	6.56	2.80	0.95	0.05			21.53
St Dev					0.51	0.65	0.39	0.40	0.47	0.13			1.32
Net Irr					2.69	7.09	6.07	2.24	0.28				18.37
Pasture					2.23	4.92	5.20	4.67	1.73	0.10			18.87
St Dev					0.31	0.42	0.28	0.75	1.00	0.32			1.66
Net Irr					1.34	4.42	4.71	4.12	1.06				15.65
Sorghum						1.42	4.33	6.25	1.91				13.90
St Dev						0.12	0.24	0.65	1.23				1.60
Net Irr						0.92	3.83	5.70	1.24				11.68
Spring Grain					1.22	4.34	7.60	6.08	0.96				20.21
St Dev					0.27	1.06	0.62	1.45	0.82				1.69
Net Irr					0.33	3.84	7.11	5.53	0.29				17.10
Winter Wheat				0.68	1.60	4.17	7.49	4.87	0.44				19.26
St Dev				0.11	0.30	1.19	0.69	1.51	0.52				1.18
Net Irr					0.71	3.67	6.99	4.32					15.69

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MCGILL

Aridity Index: 71%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 39.41, Long: -114.77, Elev: 6270 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.42	2.86	4.77	1.06				10.11
St Dev						0.12	0.16	0.38	0.90				1.06
Net Irr						0.92	2.37	4.22	0.39				7.90
Turfgrass					2.37	4.14	4.59	4.19	1.79	0.12			17.21
St Dev					0.32	0.35	0.25	0.63	0.93	0.36			1.49
Net Irr					1.48	3.64	4.10	3.64	1.12				13.97
Open Water Deep	0.53	0.60	1.14	1.48	2.01	3.05	3.22	3.58	2.34	1.84	1.11	0.60	21.50
St Dev	0.13	0.13	0.25	0.28	0.33	0.37	0.28	0.27	0.22	0.28	0.21	0.13	1.49
Net Evap	0.06	0.08	0.56	0.72	1.11	2.55	2.73	3.03	1.67	1.09	0.62	0.27	14.48
Open Water Shallow	0.68	1.08	2.27	3.31	4.13	5.06	5.22	5.04	3.68	2.27	1.14	0.61	34.49
St Dev	0.12	0.16	0.30	0.38	0.40	0.34	0.22	0.24	0.24	0.25	0.17	0.11	1.52
Net Evap	0.21	0.56	1.69	2.54	3.24	4.56	4.72	4.49	3.01	1.52	0.64	0.28	27.47
Wetlands Large						1.40	6.07	7.22	2.23				16.92
St Dev						0.39	0.61	1.19	1.44				2.45
Net ET						0.90	5.57	6.67	1.56				14.70
Wetlands Narrow						1.76	8.50	10.32	3.18				23.76
St Dev						0.50	0.90	1.69	2.05				3.50
Net ET						1.26	8.01	9.77	2.51				21.54
ETr	0.67	1.21	2.83	4.21	5.63	7.35	7.65	7.20	5.16	3.21	1.50	0.69	47.32
St Dev	0.23	0.26	0.50	0.61	0.70	0.63	0.42	0.46	0.45	0.47	0.33	0.21	2.82

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: METROPOLIS

Aridity Index: 26%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.28, Long: -115.02, Elev: 5800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.30	30.66	37.18	43.88	53.51	61.67	70.66	69.51	59.91	48.84	35.38	27.21	47.06
St Dev	4.72	4.31	3.72	3.78	3.27	3.16	2.58	2.19	2.86	3.40	3.52	4.07	1.36
Precip (in)	1.52	1.11	1.18	1.28	1.54	1.07	0.60	0.59	0.75	1.13	1.47	1.43	13.66
St Dev	1.18	0.84	0.76	0.78	1.25	0.93	0.51	0.72	0.92	0.87	0.90	1.29	4.12
Aridity Adj. (F)	0.52	0.49	0.70	0.96	1.43	1.77	1.48	1.46	1.48	1.35	0.94	0.62	1.10
Est. Dewpoint (F)	19.14	21.84	24.13	27.37	35.11	41.38	48.03	46.50	38.93	31.20	24.69	19.94	31.52
Rs (langley/day)	170	263	364	500	612	682	671	585	462	315	189	141	413
Wind (mpd)	149	133	129	129	136	109	109	94	85	110	111	121	118
Calc. Wind Limit (mpd)	117	132	132	132	132	128	105	101	105	118	116	96	118
.....Inches.....													
Alfalfa (Beef)				0.23	3.90	5.97	6.80	5.01	2.08	0.05			24.05
St Dev				0.11	0.73	0.61	0.72	0.74	1.44	0.17			1.95
Net Irr					2.67	5.12	6.32	4.54	1.48				20.13
Alfalfa (Dairy)				0.23	3.90	5.42	6.25	5.19	1.66	0.07			22.71
St Dev				0.11	0.73	0.48	0.44	0.64	1.32	0.24			1.81
Net Irr					2.67	4.56	5.76	4.71	1.06				18.77
Barley				0.12	1.73	5.33	8.35	3.59	0.07				19.19
St Dev				0.05	0.47	1.00	0.58	1.35	0.16				0.87
Net Irr					0.50	4.48	7.87	3.12					15.96
Other Hay				0.22	4.42	7.02	6.08	2.71	1.10	0.10			21.65
St Dev				0.11	0.73	0.72	0.59	0.22	0.39	0.15			1.34
Net Irr					3.18	6.17	5.59	2.24	0.50				17.68
Pasture				0.17	2.82	4.58	5.60	4.78	2.33	0.28			20.55
St Dev				0.06	0.39	0.47	0.40	0.45	0.96	0.46			1.66
Net Irr					1.59	3.72	5.11	4.30	1.73				16.46
Safflower					0.05	4.71	8.23	6.76	2.42	0.20			22.37
St Dev					0.02	0.55	0.59	0.80	1.23	0.35			2.08
Net Irr						3.86	7.75	6.29	1.82				19.71
Spring Grain				0.12	1.66	5.09	8.41	4.63	0.31				20.21
St Dev				0.05	0.44	1.00	0.59	1.20	0.38				0.86
Net Irr					0.42	4.24	7.92	4.15					16.73
Winter Wheat				0.93	1.88	5.00	8.12	2.82	0.10				18.85
St Dev				0.18	0.45	1.26	0.68	1.46	0.16				0.86
Net Irr					0.65	4.15	7.63	2.35					14.77

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: METROPOLIS

Aridity Index: 26%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.28, Long: -115.02, Elev: 5800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.06	1.80	3.70	5.11	1.07	0.01			11.75
St Dev					0.03	0.18	0.27	0.74	1.05	0.03			1.59
Net Irr						0.95	3.22	4.63	0.47				9.27
Turfgrass				0.28	2.66	3.94	4.94	4.25	2.29	0.33			18.68
St Dev				0.10	0.35	0.40	0.35	0.37	0.85	0.52			1.49
Net Irr					1.43	3.08	4.46	3.78	1.69				14.43
Open Water Deep	0.62	0.70	0.88	1.16	1.86	2.09	3.14	3.18	1.92	2.11	1.08	0.54	19.27
St Dev	0.15	0.17	0.22	0.29	0.34	0.33	0.33	0.27	0.22	0.30	0.26	0.16	1.40
Net Evap				0.14	0.62	1.24	2.66	2.71	1.32	1.21			9.89
Open Water Shallow	0.50	0.97	2.01	3.12	4.46	5.12	5.88	5.23	3.61	2.21	0.85	0.41	34.38
St Dev	0.11	0.16	0.28	0.41	0.42	0.40	0.31	0.25	0.25	0.22	0.18	0.12	1.49
Net Evap		0.08	1.07	2.10	3.23	4.27	5.39	4.76	3.01	1.31			25.23
Wetlands Large						1.86	7.13	7.37	2.68	0.14			19.18
St Dev						0.53	0.74	0.73	1.79	0.52			2.24
Net ET						1.01	6.64	6.90	2.08				16.63
Wetlands Narrow						2.39	10.05	10.53	3.82	0.21			27.01
St Dev						0.71	1.08	1.04	2.55	0.75			3.21
Net ET						1.54	9.57	10.06	3.22				24.39
ETr	0.47	0.97	2.33	3.78	5.66	6.75	8.23	7.17	4.77	3.18	1.12	0.42	44.84
St Dev	0.21	0.29	0.46	0.68	0.74	0.68	0.59	0.46	0.45	0.47	0.38	0.24	2.78

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MONTELLO 2SE

Aridity Index: 89%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.25, Long: -114.17, Elev: 4890 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.40	28.69	37.78	44.48	53.59	62.82	71.24	68.68	58.23	46.30	33.41	24.26	46.07
St Dev	5.39	4.83	3.19	2.97	2.68	2.95	2.61	2.02	2.44	2.68	3.43	4.10	1.25
Precip (in)	0.74	0.56	0.67	0.79	1.15	0.76	0.74	0.58	0.72	0.60	0.61	0.52	8.43
St Dev	0.65	0.51	0.51	0.52	1.12	0.54	0.57	0.55	0.92	0.50	0.38	0.56	2.63
Aridity Adj. (F)	1.78	1.69	2.40	3.29	4.90	6.05	5.07	4.98	5.07	4.63	3.20	2.14	3.77
Est. Dewpoint (F)	11.98	16.30	19.07	20.53	26.36	31.18	36.23	33.62	26.34	19.97	15.97	10.99	22.38
Rs (langley/day)	161	250	354	476	588	652	654	572	453	313	184	135	399
Wind (mpd)	109	102	120	141	137	122	122	110	99	104	100	94	113
Calc. Wind Limit (mpd)	108	120	132	132	132	113	102	100	96	101	104	96	111
.....Inches.....													
Alfalfa (Beef)				0.36	5.51	7.22	9.21	6.26	1.82				30.37
St Dev				0.12	0.83	0.52	0.76	1.22	1.43				2.86
Net Irr					4.59	6.61	8.62	5.79	1.24				26.86
Alfalfa (Dairy)				0.36	5.51	6.71	7.83	6.34	1.39				28.14
St Dev				0.12	0.83	0.60	0.49	0.96	1.23				2.59
Net Irr					4.59	6.10	7.24	5.87	0.82				24.63
Barley				0.18	2.64	7.78	10.18	2.33					23.11
St Dev				0.05	0.59	1.08	0.71	1.22					0.93
Net Irr					1.72	7.17	9.59	1.87					20.35
Other Hay				0.34	6.01	9.18	7.56	3.48	1.07	0.04			27.68
St Dev				0.12	0.71	0.84	0.49	0.31	0.58	0.11			1.83
Net Irr					5.09	8.57	6.97	3.01	0.50				24.14
Pasture				0.24	3.78	5.98	7.09	6.11	2.08	0.09			25.37
St Dev				0.07	0.44	0.55	0.43	0.67	1.37	0.30			2.28
Net Irr					2.87	5.37	6.50	5.64	1.50				21.88
Safflower						4.88	10.42	8.44	2.00	0.06			25.80
St Dev						0.45	0.64	1.15	1.63	0.22			2.83
Net Irr						4.27	9.83	7.98	1.42				23.50
Spring Grain				0.18	2.52	7.50	10.52	3.72	0.02				24.45
St Dev				0.05	0.55	1.09	0.64	1.26	0.11				0.98
Net Irr					1.60	6.89	9.93	3.25					21.67
Winter Wheat			0.11	1.44	3.15	7.98	9.11	1.30					23.08
St Dev			0.03	0.24	0.80	1.32	1.25	0.93					0.91
Net Irr				0.81	2.23	7.37	8.52	0.83					19.76

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MONTELLO 2SE

Aridity Index: 89%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 41.25, Long: -114.17, Elev: 4890 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						2.02	4.24	6.33	1.02				13.62
St Dev						0.19	0.27	0.70	1.11				1.71
Net Irr						1.41	3.65	5.86	0.45				11.37
Turfgrass				0.40	3.56	5.14	6.25	5.51	2.17	0.12			23.16
St Dev				0.11	0.40	0.47	0.38	0.53	1.26	0.36			2.03
Net Irr					2.64	4.53	5.66	5.04	1.60				19.48
Open Water Deep	1.15	1.09	1.82	2.43	3.41	3.98	5.36	5.34	3.40	2.80	1.67	1.08	33.55
St Dev	0.23	0.21	0.30	0.38	0.45	0.48	0.46	0.34	0.29	0.34	0.27	0.17	1.78
Net Evap	0.55	0.64	1.29	1.80	2.49	3.37	4.77	4.88	2.83	2.33	1.18	0.66	26.80
Open Water Shallow	0.80	1.24	2.51	3.60	4.88	5.50	6.29	5.62	3.96	2.50	1.18	0.73	38.80
St Dev	0.13	0.17	0.28	0.37	0.40	0.37	0.28	0.22	0.22	0.23	0.16	0.11	1.51
Net Evap	0.21	0.79	1.97	2.97	3.96	4.89	5.70	5.15	3.38	2.02	0.69	0.32	32.05
Wetlands Large						2.03	8.74	9.39	2.32				22.48
St Dev						0.23	0.59	1.04	1.75				2.52
Net ET						1.42	8.15	8.93	1.74				20.24
Wetlands Narrow						2.58	12.29	13.42	3.31				31.60
St Dev						0.30	0.84	1.48	2.50				3.58
Net ET						1.97	11.70	12.95	2.73				29.36
ETr	1.46	1.85	3.82	5.57	7.57	8.81	10.42	9.38	6.63	4.56	2.25	1.45	63.77
St Dev	0.33	0.35	0.58	0.79	0.85	0.81	0.64	0.53	0.53	0.63	0.49	0.30	3.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OASIS

Aridity Index: 99%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.03, Long: -114.47, Elev: 5830 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.75	27.82	36.42	42.53	51.78	60.24	69.08	66.68	56.60	45.57	32.87	24.07	44.78
St Dev	5.33	4.40	3.39	3.05	2.67	2.96	2.41	2.04	2.49	2.58	3.38	3.91	1.21
Precip (in)	0.71	0.64	0.70	0.80	1.13	0.73	0.50	0.58	0.57	0.65	0.66	0.59	8.27
St Dev	0.60	0.51	0.45	0.58	1.09	0.63	0.37	0.53	0.65	0.52	0.43	0.54	2.54
Aridity Adj. (F)	1.98	1.88	2.67	3.66	5.45	6.73	5.64	5.54	5.64	5.15	3.56	2.38	4.19
Est. Dewpoint (F)	12.44	15.76	18.04	20.15	25.43	29.92	35.72	33.26	26.28	20.99	16.55	11.53	22.17
Rs (langley/day)	166	256	368	482	601	663	667	582	464	320	188	136	408
Wind (mpd)	121	115	123	134	135	118	117	105	94	104	101	103	114
Calc. Wind Limit (mpd)	108	122	132	132	132	113	102	99	96	101	105	96	111
.....Inches.....													
Alfalfa (Beef)					3.97	7.31	7.28	5.26	1.04				24.86
St Dev					0.63	1.27	0.55	1.40	1.29				2.93
Net Irr					3.07	6.73	6.88	4.80	0.58				22.06
Alfalfa (Dairy)					3.97	6.71	7.06	5.33	0.73				23.81
St Dev					0.63	1.23	0.62	1.68	0.86				2.94
Net Irr					3.07	6.13	6.66	4.87	0.28				21.00
Barley					1.66	5.62	9.58	5.36	0.17				22.38
St Dev					0.39	1.93	0.52	1.64	0.31				1.99
Net Irr					0.75	5.03	9.18	4.90					19.86
Corn						0.87	3.66	7.22	1.70				13.45
St Dev						0.14	0.58	0.93	1.56				2.33
Net Irr						0.29	3.26	6.75	1.25				11.55
Other Hay					4.45	8.21	7.88	3.25	0.85	0.01			24.64
St Dev					0.57	1.40	0.43	0.27	0.50	0.02			1.85
Net Irr					3.54	7.62	7.48	2.79	0.40				21.83
Pasture					2.77	5.32	6.40	5.44	1.48	0.01			21.41
St Dev					0.36	0.90	0.34	0.56	1.00	0.04			1.75
Net Irr					1.87	4.73	5.99	4.98	1.02				18.60
Sorghum						1.09	4.21	6.87	1.54				13.71
St Dev						0.17	0.25	0.77	1.42				1.91
Net Irr						0.51	3.81	6.41	1.09				11.81
Spring Grain					1.61	5.35	9.55	6.22	0.43				23.16
St Dev					0.37	1.95	0.54	1.67	0.50				2.35
Net Irr					0.70	4.77	9.15	5.76					20.38
Winter Wheat				0.95	2.08	5.45	9.41	4.13	0.13				22.15
St Dev				0.14	0.42	2.10	0.59	1.74	0.21				1.82
Net Irr				0.31	1.18	4.87	9.01	3.67					19.03

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OASIS

Aridity Index: 99%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.03, Long: -114.47, Elev: 5830 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.09	3.07	4.99	1.36				10.50
St Dev						0.17	0.17	0.28	0.73				0.79
Net Irr						0.51	2.67	4.53	0.91				8.60
Turfgrass					2.91	4.49	5.64	4.92	1.59	0.01			19.57
St Dev					0.37	0.76	0.30	0.44	0.98	0.05			1.56
Net Irr					2.01	3.91	5.24	4.45	1.14				16.75
Open Water Deep	1.00	1.02	1.53	1.89	2.74	3.18	4.34	4.36	2.72	2.34	1.41	0.93	27.48
St Dev	0.16	0.18	0.24	0.31	0.39	0.60	0.33	0.29	0.23	0.29	0.25	0.14	1.35
Net Evap	0.44	0.51	0.97	1.25	1.83	2.60	3.94	3.90	2.27	1.82	0.88	0.46	20.86
Open Water Shallow	0.75	1.17	2.39	3.34	4.63	5.33	6.07	5.37	3.75	2.34	1.07	0.65	36.86
St Dev	0.09	0.15	0.24	0.35	0.42	0.88	0.25	0.21	0.20	0.22	0.16	0.09	1.52
Net Evap	0.18	0.66	1.83	2.70	3.73	4.75	5.67	4.91	3.30	1.82	0.54	0.18	30.25
Wetlands Large						1.06	6.87	8.18	1.75				17.87
St Dev						0.17	0.39	1.37	1.68				2.57
Net ET						0.48	6.47	7.72	1.30				15.97
Wetlands Narrow						1.29	9.56	11.69	2.50				25.04
St Dev						0.21	0.55	1.96	2.41				3.66
Net ET						0.71	9.16	11.22	2.05				23.14
ETr	1.26	1.65	3.41	4.72	6.68	7.92	9.41	8.36	5.76	3.85	1.85	1.20	56.07
St Dev	0.21	0.29	0.46	0.67	0.80	1.35	0.49	0.44	0.41	0.49	0.41	0.23	2.88

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OVERTON

Aridity Index: 68%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.55, Long: -114.46, Elev: 1250 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	46.45	51.67	58.47	65.96	75.75	84.09	90.79	89.49	81.27	68.27	54.21	46.10	67.71
St Dev	3.03	2.54	3.38	3.33	3.18	2.69	2.22	1.83	2.45	3.30	2.93	2.40	1.46
Precip (in)	0.54	0.60	0.56	0.26	0.13	0.06	0.37	0.38	0.27	0.28	0.23	0.43	4.10
St Dev	0.67	0.83	0.63	0.35	0.18	0.10	0.54	0.35	0.36	0.38	0.37	0.60	2.07
Aridity Adj. (F)	1.36	1.29	1.84	2.52	3.74	4.62	3.88	3.81	3.88	3.54	2.45	1.63	2.88
Est. Dewpoint (F)	28.79	30.90	31.42	33.70	37.73	40.72	50.84	52.45	43.61	37.73	29.98	28.19	37.17
Rs (langley/day)	223	295	437	562	648	687	625	561	480	344	241	193	441
Wind (mpd)	51	52	75	81	82	77	70	69	59	57	56	45	65
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)			2.45	6.14	8.90	8.66	8.36	8.24	6.46	3.69	1.65	0.04	54.59
St Dev			0.69	0.36	0.64	0.86	0.36	0.56	0.54	0.57	0.70	0.16	1.78
Net Irr			2.00	5.93	8.80	8.61	8.07	7.94	6.25	3.46	1.46		52.53
Alfalfa (Dairy)			2.45	5.80	7.49	8.15	8.30	7.45	5.69	3.83	1.48	0.02	50.66
St Dev			0.69	0.40	0.48	0.33	0.29	0.24	0.22	0.55	0.85	0.09	1.81
Net Irr			2.00	5.60	7.39	8.10	8.01	7.15	5.47	3.60	1.29		48.61
Barley			1.51	6.99	8.29	0.59							17.38
St Dev			0.49	0.86	1.08	0.69							0.73
Net Irr			1.06	6.79	8.19	0.54							16.58
Corn				1.13	6.23	10.48	5.08	0.01					22.95
St Dev				0.29	1.20	0.41	1.66	0.03					1.03
Net Irr				0.93	6.13	10.44	4.79						22.29
Melon				1.10	5.26	7.12	7.15	5.89	0.17				26.68
St Dev				0.31	0.61	0.29	0.23	0.56	0.30				0.61
Net Irr				0.89	5.15	7.07	6.86	5.59					25.57
Onion			0.08	3.52	7.46	10.92	10.72	4.35					37.05
St Dev			0.14	0.45	0.83	0.46	0.38	0.99					0.84
Net Irr				3.31	7.36	10.87	10.43	4.04					36.01
Other Hay			2.25	7.58	9.75	5.24	3.67	2.14	0.03				30.66
St Dev			0.59	0.59	0.56	0.40	0.16	0.22	0.07				1.04
Net Irr			1.81	7.37	9.65	5.20	3.38	1.83					29.23
Other Orchard			1.15	5.64	9.65	10.51	10.44	7.77	4.83	0.10			50.10
St Dev			0.37	0.58	0.57	0.43	0.34	0.33	0.40	0.21			1.15
Net Irr			0.71	5.44	9.55	10.46	10.15	7.46	4.62				48.39
Pasture			2.04	5.12	6.85	7.45	7.48	6.69	5.05	3.34	1.48	0.02	45.51
St Dev			0.42	0.37	0.41	0.30	0.24	0.21	0.17	0.24	0.38	0.04	1.17
Net Irr			1.59	4.91	6.75	7.40	7.19	6.39	4.84	3.11	1.29		43.46
Potato				1.74	6.88	7.79	2.09						18.50
St Dev				0.53	0.80	0.38	1.25						0.70
Net Irr				1.53	6.78	7.74	1.80						17.85
Sorghum				1.34	5.37	9.64	9.90	4.24					30.49
St Dev				0.30	0.81	0.47	0.32	1.09					0.67
Net Irr				1.13	5.26	9.59	9.61	3.94					29.54
Spring Grain			1.44	6.80	9.04	1.32							18.61
St Dev			0.47	0.89	0.80	1.06							0.78
Net Irr			0.99	6.60	8.94	1.27							17.81

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: OVERTON

Aridity Index: 68%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 36.55, Long: -114.46, Elev: 1250 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden			0.06	1.93	4.41	8.10	8.30	2.55					25.36
St Dev			0.10	0.26	0.49	0.53	0.41	0.66					0.57
Net Irr				1.72	4.31	8.05	8.01	2.25					24.35
Turfgrass Dixie			2.49	4.13	6.51	7.12	7.15	6.40	4.84	3.37	1.84	0.35	44.20
St Dev			0.40	0.31	0.39	0.29	0.23	0.20	0.17	0.21	0.45	0.44	1.35
Net Irr			2.04	3.92	6.41	7.07	6.86	6.10	4.63	3.14	1.65		41.83
Open Water Deep	1.51	1.64	2.96	3.82	5.64	6.75	7.50	7.36	4.94	3.64	2.27	1.32	49.37
St Dev	0.18	0.17	0.40	0.45	0.58	0.53	0.44	0.34	0.31	0.39	0.24	0.14	2.07
Net Evap	1.08	1.16	2.52	3.62	5.54	6.70	7.21	7.06	4.73	3.42	2.09	0.97	46.09
Open Water Shallow	1.69	2.25	4.05	5.34	6.69	7.01	7.15	6.69	5.32	3.62	2.12	1.47	53.39
St Dev	0.15	0.17	0.33	0.32	0.34	0.24	0.19	0.17	0.16	0.21	0.15	0.12	1.01
Net Evap	1.26	1.77	3.60	5.14	6.58	6.96	6.85	6.38	5.10	3.39	1.93	1.13	50.11
Wetlands Large				0.55	6.46	11.33	11.55	10.34	7.82	5.35	2.25	0.06	55.70
St Dev				0.35	0.99	0.54	0.37	0.32	0.27	0.59	1.02	0.21	2.29
Net ET				0.34	6.36	11.28	11.26	10.03	7.61	5.12	2.06		54.07
Wetlands Narrow				0.64	8.88	16.18	16.50	14.76	11.17	7.64	3.21	0.08	79.08
St Dev				0.43	1.47	0.78	0.53	0.46	0.39	0.84	1.46	0.30	3.27
Net ET				0.44	8.78	16.13	16.21	14.46	10.96	7.41	3.02		77.42
ETr	2.33	3.00	5.79	7.72	10.07	10.95	11.00	9.84	7.45	5.19	3.16	2.02	78.53
St Dev	0.27	0.28	0.55	0.54	0.60	0.44	0.35	0.31	0.26	0.32	0.27	0.21	1.73

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PIOCHE

Aridity Index: 44%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.94, Long: -114.47, Elev: 6180 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	32.49	35.51	40.86	47.33	56.62	66.75	73.53	71.49	64.11	52.68	40.29	33.05	51.23
St Dev	4.06	2.93	3.73	4.10	3.77	3.59	2.46	1.86	3.35	3.53	4.01	4.14	1.42
Precip (in)	1.39	1.58	1.69	0.94	1.02	0.48	0.95	1.23	0.92	1.23	0.91	1.02	13.36
St Dev	1.32	1.67	1.51	0.90	0.94	0.65	0.80	0.93	0.97	1.12	1.01	0.94	4.71
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	23.92	23.85	24.23	25.49	31.83	36.68	45.40	45.80	39.96	33.55	25.75	23.36	31.65
Rs (langley/day)	228	296	423	549	643	727	621	568	525	379	259	214	453
Wind (mpd)	76	75	96	111	103	106	97	93	87	79	76	68	89
Calc. Wind Limit (mpd)	96	96	126	132	121	124	96	105	100	96	96	96	107
.....Inches.....													
Alfalfa (Beef)				0.86	4.64	6.44	6.76	5.26	2.85	0.29			27.10
St Dev				0.21	0.73	0.55	0.79	0.70	1.04	0.48			1.68
Net Irr				0.11	3.82	6.06	6.00	4.27	2.11				22.38
Alfalfa (Dairy)				0.86	4.64	6.01	5.94	5.11	2.73	0.28			25.57
St Dev				0.21	0.73	0.42	0.49	0.35	0.99	0.48			1.85
Net Irr				0.11	3.82	5.62	5.18	4.12	1.99				20.85
Barley				0.37	2.18	6.69	7.74	2.52	0.03				19.53
St Dev				0.07	0.64	1.23	0.71	1.45	0.09				1.24
Net Irr					1.37	6.30	6.98	1.53					16.19
Corn					0.18	1.68	4.48	6.57	3.77	0.42			17.09
St Dev					0.04	0.22	1.10	0.60	1.35	0.60			2.17
Net Irr						1.29	3.72	5.58	3.03				13.63
Other Hay				0.92	5.39	7.87	4.61	2.43	1.18	0.08			22.47
St Dev				0.22	0.65	0.68	0.43	0.15	0.22	0.07			1.43
Net Irr				0.17	4.58	7.49	3.85	1.44	0.44				17.95
Pasture				0.58	3.45	5.24	5.36	4.63	2.87	0.53			22.68
St Dev				0.10	0.40	0.46	0.44	0.30	0.72	0.60			1.66
Net Irr					2.64	4.86	4.59	3.65	2.14				17.88
Potato					0.18	1.93	4.89	5.32	2.85	0.32			15.48
St Dev					0.04	0.36	0.76	0.34	1.01	0.46			1.60
Net Irr						1.54	4.12	4.33	2.11				12.11
Spring Grain				0.37	2.08	6.45	7.94	3.58	0.22				20.64
St Dev				0.07	0.60	1.26	0.66	1.42	0.33				1.20
Net Irr					1.27	6.06	7.18	2.59					17.10

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: PIOCHE

Aridity Index: 44%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 37.94, Long: -114.47, Elev: 6180 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.22	2.12	3.77	5.25	2.21	0.06			13.64
St Dev					0.04	0.18	0.30	0.41	1.02	0.16			1.34
Net Irr						1.74	3.01	4.26	1.47				10.48
Turfgrass				0.84	2.93	4.60	4.73	4.10	2.76	0.60			20.56
St Dev				0.14	0.33	0.40	0.39	0.27	0.56	0.62			1.44
Net Irr				0.09	2.12	4.22	3.96	3.12	2.02				15.52
Open Water Deep	0.45	0.49	0.81	1.30	1.86	3.02	3.33	3.15	2.10	1.50	0.90	0.45	19.36
St Dev	0.18	0.15	0.23	0.26	0.31	0.37	0.35	0.26	0.21	0.25	0.21	0.14	1.54
Net Evap				0.55	1.05	2.64	2.57	2.16	1.36	0.52	0.18		11.01
Open Water Shallow	0.78	1.21	2.40	3.53	4.75	5.76	5.63	5.13	4.16	2.54	1.23	0.72	37.86
St Dev	0.21	0.21	0.39	0.40	0.43	0.38	0.36	0.27	0.28	0.28	0.21	0.17	1.81
Net Evap			1.05	2.78	3.93	5.38	4.87	4.15	3.43	1.56	0.50		27.65
Wetlands Large					0.06	3.72	7.76	7.18	4.11	0.50			23.35
St Dev					0.06	0.80	0.76	0.47	1.46	0.72			2.42
Net ET						3.34	7.00	6.19	3.38				19.91
Wetlands Narrow					0.07	4.96	11.07	10.26	5.88	0.72			32.95
St Dev					0.06	1.12	1.10	0.68	2.09	1.02			3.45
Net ET						4.57	10.30	9.27	5.14				29.29
ETr	0.70	1.25	2.69	4.25	5.90	7.71	7.88	6.84	5.07	2.96	1.39	0.68	47.32
St Dev	0.38	0.43	0.58	0.62	0.67	0.67	0.65	0.45	0.45	0.43	0.35	0.30	3.25

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RUTH

Aridity Index: 56%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.28, Long: -114.99, Elev: 6850 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.49	26.32	33.24	39.46	48.39	57.49	65.14	63.49	53.78	43.19	31.56	22.83	42.28
St Dev	4.30	3.41	3.56	3.45	3.04	2.63	2.09	2.05	2.07	2.92	3.38	3.58	1.22
Precip (in)	0.94	1.05	1.20	1.29	1.53	0.87	0.85	1.05	1.13	1.29	0.83	0.80	12.82
St Dev	0.55	0.86	0.83	1.18	1.16	0.72	0.67	0.89	1.40	0.94	0.70	0.70	3.34
Aridity Adj. (F)	1.12	1.06	1.51	2.07	3.08	3.81	3.19	3.14	3.19	2.91	2.02	1.34	2.37
Est. Dewpoint (F)	10.31	11.82	14.36	15.83	21.12	23.71	32.20	32.45	23.03	18.47	13.68	9.93	18.91
Rs (langley/day)	233	294	406	563	584	671	606	602	492	354	255	208	439
Wind (mpd)	139	137	147	156	143	151	144	149	146	141	136	138	144
Calc. Wind Limit (mpd)	96	96	131	132	120	119	96	106	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)					0.97	6.58	6.19	4.52	0.27				18.52
St Dev					0.20	0.65	0.82	2.85	0.52				3.72
Net Irr						5.88	5.51	3.68					15.08
Alfalfa (Dairy)					0.97	6.58	6.09	3.78	0.37				17.79
St Dev					0.20	0.65	1.00	2.16	0.62				3.37
Net Irr						5.88	5.41	2.95					14.25
Barley					0.42	3.48	7.95	5.93	0.33				18.10
St Dev					0.08	0.67	0.72	2.63	0.57				3.26
Net Irr						2.79	7.27	5.09					15.15
Corn						0.78	2.90	6.74	1.27				11.68
St Dev						0.06	0.37	0.64	1.10				1.36
Net Irr						0.08	2.22	5.90	0.37				8.57
Other Hay					0.97	7.12	8.81	5.11	0.81				22.83
St Dev					0.19	0.50	0.40	0.47	0.59				1.27
Net Irr						6.43	8.13	4.27					18.83
Pasture					0.61	4.50	5.79	5.26	1.18				17.35
St Dev					0.12	0.31	0.26	0.73	0.93				1.62
Net Irr						3.81	5.11	4.42	0.28				13.63
Sorghum						0.97	3.56	6.36	0.67				11.56
St Dev						0.08	0.18	0.82	0.93				1.54
Net Irr						0.28	2.89	5.52					8.68
Spring Grain					0.42	3.30	7.74	6.10	0.42				17.99
St Dev					0.08	0.63	0.73	2.74	0.70				3.51
Net Irr						2.61	7.07	5.26					14.94
Winter Wheat				0.29	1.70	3.98	8.09	5.49	0.20				19.75
St Dev				0.07	0.27	1.02	0.73	2.23	0.40				2.37
Net Irr					0.47	3.29	7.41	4.66					15.83

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: RUTH

Aridity Index: 56%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 39.28, Long: -114.99, Elev: 6850 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.97	2.68	4.73	1.38				9.76
St Dev						0.08	0.12	0.31	0.47				0.61
Net Irr						0.28	2.00	3.89	0.48				6.65
Turfgrass					0.94	3.95	5.03	4.74	1.26				15.92
St Dev					0.18	0.28	0.23	0.58	0.94				1.46
Net Irr						3.26	4.35	3.90	0.36				11.87
Open Water Deep	0.83	0.85	1.46	1.81	2.44	3.54	3.75	4.18	2.69	2.16	1.37	0.87	25.94
St Dev	0.14	0.14	0.26	0.31	0.35	0.34	0.24	0.30	0.22	0.30	0.22	0.16	1.30
Net Evap	0.08	0.01	0.50	0.77	1.21	2.85	3.07	3.34	1.79	1.12	0.71	0.23	15.68
Open Water Shallow	0.89	1.27	2.45	3.63	4.40	5.32	5.46	5.41	3.89	2.48	1.30	0.80	37.29
St Dev	0.12	0.15	0.29	0.40	0.40	0.30	0.18	0.24	0.23	0.25	0.17	0.12	1.27
Net Evap	0.14	0.42	1.49	2.59	3.18	4.63	4.78	4.57	2.98	1.45	0.64	0.16	27.04
Wetlands Large						0.96	6.04	6.85	0.60				14.45
St Dev						0.11	0.31	2.22	0.99				2.88
Net ET						0.26	5.36	6.01					11.64
Wetlands Narrow						1.15	8.39	9.78	0.86				20.18
St Dev						0.13	0.44	3.18	1.41				4.11
Net ET						0.46	7.71	8.95					17.11
ETr	1.36	1.77	3.38	4.85	6.36	8.17	8.52	8.22	5.94	3.96	2.08	1.34	55.95
St Dev	0.25	0.29	0.53	0.71	0.75	0.60	0.39	0.52	0.49	0.55	0.39	0.30	2.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SPRING VALLEY SP

Aridity Index: 63%, Temp. Adj. (F): 1, Period: 1971-2008, Lat: 38.04, Long: -114.18, Elev: 5950 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.48	30.45	36.41	42.11	50.34	58.94	65.91	63.64	55.65	44.98	34.07	26.03	44.50
St Dev	4.96	3.76	3.39	3.29	2.70	2.60	2.61	2.27	2.39	2.55	3.85	4.53	1.32
Precip (in)	1.07	1.33	1.47	0.96	1.14	0.54	0.96	1.19	1.35	1.28	0.75	0.80	12.84
St Dev	1.19	1.54	1.27	1.01	1.11	0.70	0.87	0.93	1.95	1.16	0.80	0.74	4.86
Aridity Adj. (F)	1.26	1.20	1.70	2.33	3.47	4.28	3.59	3.53	3.59	3.28	2.27	1.51	2.67
Est. Dewpoint (F)	11.11	14.74	15.22	14.94	18.45	19.27	29.14	29.39	22.10	17.00	13.12	10.44	17.91
Rs (langley/day)	246	318	444	560	623	701	622	569	501	377	272	224	455
Wind (mpd)	90	101	128	146	134	134	116	122	110	101	100	90	114
Calc. Wind Limit (mpd)	97	96	131	132	125	128	96	109	104	96	96	96	109
.....Inches.....													
Alfalfa (Beef)					4.76	9.26	7.51	4.17	0.72	0.01			26.42
St Dev					0.70	0.79	2.04	2.34	1.43	0.06			4.70
Net Irr					3.84	8.83	6.74	3.22					22.63
Alfalfa (Dairy)					4.76	8.18	7.41	4.33	0.80	0.01			25.49
St Dev					0.70	0.57	0.67	2.68	1.60	0.06			4.17
Net Irr					3.84	7.76	6.65	3.37					21.62
Barley					2.09	8.20	9.88	3.37					23.55
St Dev					0.45	1.15	1.09	2.04					2.42
Net Irr					1.18	7.78	9.12	2.41					20.48
Corn						1.05	4.52	8.31	1.71	0.03			15.62
St Dev						0.09	0.59	1.88	2.14	0.16			3.31
Net Irr						0.62	3.75	7.36	0.63				12.37
Other Hay					5.01	10.74	8.74	3.55	0.96	0.02			29.02
St Dev					0.62	0.80	0.51	0.78	0.83	0.08			1.96
Net Irr					4.10	10.31	7.97	2.60					24.98
Pasture					3.10	6.96	6.72	5.60	1.71	0.04			24.14
St Dev					0.39	0.52	0.58	1.71	1.58	0.15			3.18
Net Irr					2.19	6.53	5.96	4.65	0.63				19.96
Potato						1.05	4.43	7.13	1.86	0.02			14.49
St Dev						0.09	0.58	0.52	1.72	0.13			1.98
Net Irr						0.62	3.67	6.17	0.78				11.24
Spring Grain					2.01	7.82	9.94	4.28	0.04				24.10
St Dev					0.42	1.15	1.09	2.34	0.13				2.87
Net Irr					1.10	7.40	9.18	3.33					21.00

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SPRING VALLEY SP

Aridity Index: 63%, Temp. Adj. (F): 1, Period: 1971-2008, Lat: 38.04, Long: -114.18, Elev: 5950 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.31	3.20	5.77	1.91				12.19
St Dev						0.11	0.18	1.03	1.11				1.47
Net Irr						0.88	2.43	4.82	0.83				8.96
Turfgrass					3.36	5.83	5.94	5.13	1.79	0.05			22.09
St Dev					0.40	0.43	0.48	1.45	1.58	0.19			2.85
Net Irr					2.44	5.40	5.17	4.17	0.71				17.90
Open Water Deep	1.28	1.38	2.25	2.75	3.68	5.22	4.94	5.65	3.93	2.96	2.02	1.34	37.40
St Dev	0.23	0.22	0.36	0.38	0.43	0.45	0.38	0.78	0.27	0.33	0.31	0.23	1.46
Net Evap	0.42	0.31	1.07	1.98	2.77	4.79	4.18	4.70	2.84	1.94	1.42	0.70	27.13
Open Water Shallow	1.25	1.72	3.13	4.17	5.18	6.02	5.92	5.72	4.42	2.97	1.71	1.17	43.37
St Dev	0.17	0.21	0.36	0.38	0.40	0.29	0.22	0.93	0.22	0.27	0.20	0.15	1.29
Net Evap	0.39	0.65	1.95	3.41	4.27	5.59	5.15	4.77	3.34	1.95	1.11	0.52	33.10
Wetlands Large						1.20	7.10	7.67	1.40	0.03			17.41
St Dev						0.11	0.40	2.87	2.23	0.20			4.49
Net ET						0.78	6.33	6.72	0.32				14.15
Wetlands Narrow						1.45	9.86	10.96	2.00	0.05			24.32
St Dev						0.13	0.55	4.10	3.18	0.28			6.41
Net ET						1.02	9.09	10.01	0.92				21.04
ETr	2.07	2.56	4.71	6.35	8.28	10.43	10.00	9.83	7.48	5.18	3.04	2.09	72.02
St Dev	0.39	0.43	0.74	0.78	0.88	0.78	0.55	1.74	0.55	0.75	0.52	0.38	3.13

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUNNYSIDE - LUND 31S

Aridity Index: 72%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.42, Long: -115.02, Elev: 5300 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.52	35.32	41.47	47.66	56.70	66.04	72.81	70.47	61.77	50.76	38.81	30.63	50.24
St Dev	4.10	3.00	3.25	3.29	2.93	2.56	1.99	1.95	2.18	2.74	3.30	3.47	1.03
Precip (in)	0.84	0.96	1.10	0.98	1.00	0.54	0.76	1.00	0.93	1.10	0.72	0.62	10.54
St Dev	0.71	1.01	0.87	0.95	0.87	0.76	0.94	0.81	0.97	0.95	0.81	0.61	3.61
Aridity Adj. (F)	1.44	1.37	1.94	2.66	3.96	4.90	4.10	4.03	4.10	3.74	2.59	1.73	3.05
Est. Dewpoint (F)	17.82	19.96	20.21	20.79	25.41	28.53	38.21	37.94	29.73	24.49	18.84	17.02	24.91
Rs (langley/day)	227	281	412	536	553	641	587	569	477	345	243	207	423
Wind (mpd)	97	95	110	120	114	119	113	115	112	101	99	92	107
Calc. Wind Limit (mpd)	96	96	123	132	117	120	96	102	97	96	96	96	106
.....Inches.....													
Alfalfa (Beef)				1.92	6.35	7.14	7.80	7.26	2.49	0.15			33.11
St Dev				0.29	0.82	0.39	0.68	0.91	1.42	0.55			1.90
Net Irr				1.13	5.55	6.71	7.19	6.46	1.75				28.80
Alfalfa (Dairy)				1.92	6.30	7.06	6.85	6.35	2.74	0.11			31.34
St Dev				0.29	0.78	0.48	0.29	0.45	1.33	0.43			1.77
Net Irr				1.13	5.51	6.63	6.24	5.55	2.00				27.07
Barley				0.77	3.63	9.00	8.15	1.06					22.61
St Dev				0.11	0.79	0.93	0.90	0.87					0.64
Net Irr					2.83	8.57	7.54	0.27					19.21
Corn					0.37	2.43	7.06	8.41	3.46	0.14			21.85
St Dev					0.06	0.40	0.77	0.44	1.67	0.38			1.89
Net Irr						1.99	6.45	7.61	2.72				18.77
Other Hay				2.08	7.15	9.04	4.53	2.90	1.29				26.99
St Dev				0.27	0.74	0.61	0.21	0.14	0.30				1.30
Net Irr				1.30	6.35	8.61	3.92	2.10	0.55				22.83
Pasture				1.28	4.62	6.28	6.26	5.85	3.33	0.49			28.10
St Dev				0.15	0.48	0.41	0.25	0.31	1.11	0.64			1.84
Net Irr				0.50	3.82	5.85	5.65	5.05	2.59				23.45
Sorghum					0.47	3.19	7.24	7.76	3.61				22.26
St Dev					0.08	0.20	0.29	0.46	1.71				1.75
Net Irr						2.76	6.63	6.96	2.87				19.22
Spring Grain				0.76	3.45	8.81	8.72	2.10	0.01				23.85
St Dev				0.11	0.75	0.96	0.69	1.14	0.03				0.70
Net Irr					2.65	8.38	8.12	1.30					20.45
Winter Wheat			0.37	1.54	3.55	8.82	7.20	0.79					22.26
St Dev			0.08	0.23	0.93	1.09	1.40	0.70					0.61
Net Irr				0.75	2.75	8.38	6.59						18.48

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SUNNYSIDE - LUND 31S

Aridity Index: 72%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 38.42, Long: -115.02, Elev: 5300 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					0.47	2.65	4.66	6.43	1.85	0.01			16.07
St Dev					0.08	0.17	0.19	1.06	1.42	0.09			2.19
Net Irr						2.21	4.05	5.64	1.11				13.01
Turfgrass				1.64	3.82	5.54	5.52	5.20	3.30	0.58			25.60
St Dev				0.18	0.40	0.36	0.22	0.27	0.89	0.74			1.65
Net Irr				0.85	3.02	5.11	4.91	4.40	2.56				20.86
Open Water Deep	1.12	1.18	1.73	2.31	3.21	4.71	4.70	4.90	3.42	2.73	1.79	1.11	32.90
St Dev	0.21	0.20	0.31	0.32	0.40	0.43	0.31	0.34	0.27	0.34	0.28	0.20	1.43
Net Evap	0.45	0.42	0.85	1.52	2.41	4.27	4.09	4.10	2.68	1.85	1.22	0.61	24.47
Open Water Shallow	1.07	1.50	2.83	3.95	4.72	5.66	5.74	5.53	4.19	2.74	1.50	0.97	40.39
St Dev	0.16	0.20	0.34	0.32	0.37	0.28	0.18	0.22	0.21	0.24	0.19	0.15	1.14
Net Evap	0.39	0.73	1.95	3.16	3.92	5.23	5.13	4.74	3.45	1.86	0.92	0.47	31.96
Wetlands Large					0.01	4.44	9.07	9.05	4.34	0.22			27.13
St Dev					0.02	0.46	0.39	0.54	2.13	0.69			2.42
Net ET						4.01	8.46	8.25	3.60				24.32
Wetlands Narrow					0.01	5.89	12.93	12.93	6.19	0.32			38.27
St Dev					0.02	0.63	0.56	0.76	3.04	0.99			3.46
Net ET						5.45	12.32	12.13	5.45				35.36
ETr	1.61	2.16	4.03	5.71	7.32	9.24	9.20	8.66	6.56	4.50	2.54	1.54	63.07
St Dev	0.35	0.41	0.65	0.59	0.75	0.61	0.37	0.45	0.43	0.52	0.45	0.37	2.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WELLS

Aridity Index: 44%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.1, Long: -114.97, Elev: 5700 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.36	27.94	35.86	42.59	51.09	59.89	67.84	65.76	56.18	44.80	32.91	24.59	44.40
St Dev	5.20	4.51	3.43	3.12	2.90	2.77	2.42	2.16	2.37	2.39	3.53	3.95	1.27
Precip (in)	0.89	0.79	0.93	1.00	1.16	0.78	0.44	0.44	0.84	0.77	0.92	0.88	9.84
St Dev	0.65	0.49	0.66	0.58	1.09	0.72	0.34	0.54	1.09	0.62	0.59	0.84	3.23
Aridity Adj. (F)	0.88	0.84	1.19	1.63	2.42	2.99	2.51	2.46	2.51	2.29	1.58	1.06	1.86
Est. Dewpoint (F)	12.89	16.88	21.13	24.08	30.17	35.96	41.43	38.64	31.32	23.37	19.27	13.95	25.76
Rs (langley/day)	166	261	362	491	602	676	674	585	463	319	187	140	411
Wind (mpd)	152	134	129	128	136	108	108	93	84	110	112	122	118
Calc. Wind Limit (mpd)	117	132	132	132	132	128	105	101	105	119	117	96	118
.....Inches.....													
Alfalfa (Beef)					4.29	6.85	7.75	4.81	1.25	0.01			24.95
St Dev					0.66	0.61	1.22	1.59	1.30	0.03			3.06
Net Irr					3.36	6.23	7.41	4.45	0.58				22.02
Alfalfa (Dairy)					4.29	6.19	7.10	5.23	0.84	0.01			23.66
St Dev					0.66	0.50	0.43	1.73	0.98	0.03			2.43
Net Irr					3.36	5.57	6.75	4.88	0.17				20.72
Barley					1.90	6.25	9.49	3.44	0.02				21.10
St Dev					0.44	0.98	0.63	1.50	0.09				1.30
Net Irr					0.97	5.62	9.14	3.09					18.82
Corn						1.46	5.26	7.30	1.50	0.01			15.55
St Dev						0.17	0.84	1.50	1.42	0.09			2.38
Net Irr						0.84	4.91	6.95	0.83				13.54
Other Hay					4.63	8.15	7.71	3.16	1.02	0.05			24.73
St Dev					0.58	0.74	0.42	0.25	0.54	0.14			1.52
Net Irr					3.70	7.53	7.36	2.81	0.35				21.75
Pasture					2.90	5.28	6.42	5.37	1.93	0.10			22.00
St Dev					0.36	0.48	0.34	0.52	1.18	0.32			1.98
Net Irr					1.97	4.66	6.07	5.02	1.26				18.97
Sorghum						1.85	6.00	6.85	1.53	0.02			16.24
St Dev						0.17	0.34	1.10	1.40	0.10			2.09
Net Irr						1.23	5.65	6.49	0.86				14.23
Spring Grain					1.82	5.95	9.58	4.62	0.18				22.15
St Dev					0.42	1.00	0.64	1.63	0.29				1.60
Net Irr					0.89	5.33	9.23	4.27					19.71
Winter Wheat				1.07	2.36	6.37	9.05	2.18	0.03				21.05
St Dev				0.18	0.50	1.22	0.80	1.34	0.09				1.08
Net Irr				0.27	1.42	5.75	8.70	1.82					17.97

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: WELLS

Aridity Index: 44%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.1, Long: -114.97, Elev: 5700 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.80	3.84	5.47	0.67				11.78
St Dev						0.16	0.22	0.64	0.91				1.32
Net Irr						1.17	3.49	5.12					9.78
Turfgrass					3.00	4.47	5.66	4.82	1.98	0.12			20.06
St Dev					0.36	0.40	0.30	0.41	1.10	0.37			1.77
Net Irr					2.07	3.85	5.31	4.47	1.31				17.01
Open Water Deep	1.14	1.21	1.48	1.80	2.67	3.01	4.26	4.03	2.47	2.69	1.63	0.97	27.37
St Dev	0.19	0.24	0.29	0.32	0.38	0.37	0.36	0.26	0.24	0.33	0.28	0.15	1.41
Net Evap	0.42	0.58	0.74	1.01	1.74	2.39	3.91	3.67	1.80	2.08	0.89	0.26	19.50
Open Water Shallow	0.78	1.23	2.34	3.43	4.71	5.39	6.15	5.40	3.78	2.45	1.11	0.67	37.44
St Dev	0.10	0.18	0.30	0.38	0.39	0.37	0.26	0.20	0.26	0.22	0.17	0.10	1.30
Net Evap	0.07	0.60	1.60	2.63	3.78	4.77	5.80	5.05	3.11	1.83	0.38		29.61
Wetlands Large						2.18	8.26	7.73	1.66	0.02			19.86
St Dev						0.34	0.55	1.89	1.57	0.12			2.89
Net ET						1.56	7.91	7.38	0.99				17.84
Wetlands Narrow						2.80	11.67	11.05	2.37	0.03			27.91
St Dev						0.45	0.80	2.71	2.25	0.17			4.13
Net ET						2.18	11.32	10.70	1.70				25.89
ETr	1.30	1.73	3.21	4.70	6.66	7.85	9.43	8.15	5.56	4.17	1.96	1.17	55.90
St Dev	0.23	0.35	0.57	0.70	0.75	0.72	0.50	0.39	0.51	0.54	0.43	0.26	2.62

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FARMINGTON AG SCI

Aridity Index: 15%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 36.69, Long: -108.31, Elev: 5625 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.93	35.77	43.23	50.59	59.91	69.68	75.32	73.08	65.23	53.38	40.39	30.91	52.29
St Dev	4.17	3.00	2.78	3.13	2.65	2.42	1.84	1.59	2.50	2.47	2.73	2.95	1.39
Precip (in)	0.61	0.58	0.74	0.62	0.53	0.21	0.87	1.06	1.02	0.98	0.71	0.49	8.41
St Dev	0.58	0.51	0.66	0.65	0.50	0.24	0.79	0.70	0.78	0.86	0.62	0.32	2.09
Aridity Adj. (F)	0.30	0.29	0.41	0.56	0.83	1.02	0.86	0.84	0.86	0.78	0.54	0.36	0.64
Est. Dewpoint (F)	18.25	20.31	21.65	25.28	32.80	38.34	48.96	50.32	41.84	32.76	23.97	18.46	31.08
Rs (langley/day)	241	315	435	546	638	670	635	554	486	372	264	221	448
Wind (mpd)	100	118	140	160	141	121	104	97	98	98	101	102	115
Calc. Wind Limit (mpd)	96	101	119	132	132	127	96	96	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)				2.13	6.78	6.91	6.87	6.18	3.29	0.54			32.71
St Dev				0.33	0.75	0.46	0.62	0.53	1.02	0.71			2.19
Net Irr				1.64	6.36	6.74	6.18	5.33	2.48				28.73
Alfalfa (Dairy)				2.13	6.58	6.97	6.30	5.26	3.21	0.41			30.87
St Dev				0.33	0.66	0.47	0.38	0.38	0.98	0.56			2.00
Net Irr				1.64	6.16	6.80	5.61	4.41	2.40				27.02
Apples / Cherries					3.27	8.33	8.81	7.37	5.38	1.22	0.02		34.40
St Dev					0.36	0.53	0.51	0.52	0.60	1.04	0.11		1.94
Net Irr					2.85	8.16	8.11	6.52	4.57	0.44			30.65
Other Hay				2.30	7.52	8.73	4.01	2.33	1.16				26.06
St Dev				0.34	0.75	0.56	0.32	0.18	0.13				1.52
Net Irr				1.81	7.10	8.56	3.31	1.48	0.35				22.62
Other Orchard					3.06	7.93	8.13	6.80	4.93	1.10	0.02		31.96
St Dev					0.33	0.50	0.47	0.48	0.54	0.94	0.11		1.79
Net Irr					2.64	7.76	7.43	5.95	4.11	0.32			28.21
Pasture				1.44	4.89	6.16	5.76	4.81	3.37	0.77	0.01		27.21
St Dev				0.15	0.47	0.39	0.33	0.33	0.49	0.73	0.08		1.56
Net Irr				0.95	4.47	5.99	5.06	3.96	2.56				22.99
Sorghum					1.16	4.44	7.37	6.38	2.77				22.11
St Dev					0.15	0.36	0.43	0.45	0.51				1.22
Net Irr					0.74	4.27	6.68	5.53	1.95				19.16
Spring Grain				0.84	3.99	8.95	7.24	0.92					21.93
St Dev				0.12	0.79	0.69	0.99	0.81					1.35
Net Irr				0.35	3.56	8.78	6.54	0.07					19.30
Winter Wheat			0.18	1.47	3.72	8.78	5.81	0.38					20.32
St Dev			0.05	0.17	0.90	0.77	1.51	0.49					1.21
Net Irr				0.97	3.29	8.61	5.12						17.99

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FARMINGTON AG SCI

Aridity Index: 15%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 36.69, Long: -108.31, Elev: 5625 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.18	3.13	5.26	5.76	2.18	0.01			17.52
St Dev					0.13	0.20	0.31	0.37	0.69	0.02			1.01
Net Irr					0.76	2.96	4.56	4.91	1.37				14.57
Turfgrass				1.77	4.04	5.43	5.08	4.25	3.23	0.88	0.02		24.70
St Dev				0.18	0.39	0.34	0.29	0.30	0.37	0.77	0.10		1.39
Net Irr				1.28	3.62	5.26	4.38	3.40	2.41	0.09			20.46
Open Water Deep	0.76	0.96	1.60	2.24	3.28	4.46	3.66	3.35	2.64	2.24	1.39	0.82	27.40
St Dev	0.17	0.17	0.27	0.25	0.37	0.35	0.28	0.25	0.22	0.26	0.22	0.14	1.42
Net Evap	0.27	0.50	1.01	1.75	2.86	4.29	2.96	2.50	1.83	1.45	0.82	0.43	20.67
Open Water Shallow	0.92	1.47	2.86	4.00	5.29	5.89	5.92	5.18	4.14	2.76	1.42	0.86	40.72
St Dev	0.17	0.20	0.31	0.27	0.35	0.26	0.26	0.25	0.21	0.24	0.19	0.13	1.54
Net Evap	0.44	1.01	2.26	3.50	4.87	5.72	5.22	4.33	3.33	1.97	0.85	0.47	33.99
Wetlands Large					0.47	5.63	8.73	7.44	5.08	0.69			28.04
St Dev					0.21	0.63	0.53	0.52	1.24	0.90			2.30
Net ET					0.05	5.46	8.03	6.59	4.27				24.40
Wetlands Narrow					0.55	7.71	12.46	10.63	7.26	0.99			39.59
St Dev					0.25	0.91	0.76	0.74	1.77	1.29			3.28
Net ET					0.13	7.54	11.76	9.78	6.44	0.21			35.86
ETr	1.07	1.83	3.84	5.57	7.60	9.06	8.47	7.09	5.60	3.75	1.93	1.07	56.87
St Dev	0.33	0.39	0.60	0.52	0.72	0.57	0.49	0.50	0.41	0.51	0.41	0.27	3.50

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FRUITLAND

Aridity Index: 34%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 36.74, Long: -108.35, Elev: 5130 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.62	36.53	43.96	51.28	60.08	69.07	75.12	73.08	64.87	53.03	40.32	31.29	52.44
St Dev	4.02	2.81	2.74	3.03	2.89	2.46	2.27	2.08	2.55	2.13	2.55	2.92	1.46
Precip (in)	0.72	0.68	0.75	0.60	0.48	0.22	0.73	0.97	0.92	0.93	0.74	0.60	8.33
St Dev	0.66	0.54	0.66	0.61	0.46	0.26	0.76	0.72	0.65	0.89	0.59	0.44	2.23
Aridity Adj. (F)	0.68	0.65	0.92	1.26	1.87	2.31	1.94	1.90	1.94	1.77	1.22	0.82	1.44
Est. Dewpoint (F)	17.81	19.29	20.29	23.25	30.08	34.43	46.46	48.11	38.70	29.45	21.99	17.30	28.93
Rs (langley/day)	239	315	435	542	633	669	631	553	485	371	263	220	446
Wind (mpd)	100	118	140	159	141	122	104	97	98	98	100	101	115
Calc. Wind Limit (mpd)	96	100	119	132	132	126	96	96	96	96	96	96	107
.....Inches.....													
Alfalfa (Beef)				2.96	7.86	7.75	7.05	6.42	4.15	0.33			36.52
St Dev				0.38	0.62	0.51	0.51	1.12	1.59	0.50			2.56
Net Irr				2.48	7.48	7.57	6.47	5.64	3.41				33.06
Alfalfa (Dairy)				2.96	7.14	7.67	6.91	5.72	3.59	0.22			34.21
St Dev				0.38	0.55	0.42	0.36	0.89	1.36	0.33			2.32
Net Irr				2.48	6.76	7.50	6.33	4.94	2.86				30.86
Apples / Cherries					4.47	9.54	9.52	8.13	5.78	1.29	0.01		38.74
St Dev					0.39	0.50	0.48	0.45	1.18	1.11	0.03		2.25
Net Irr					4.09	9.36	8.94	7.35	5.05	0.55			35.33
Other Hay				3.13	8.65	9.32	4.07	2.51	1.16				28.85
St Dev				0.35	0.68	0.49	0.23	0.14	0.23				1.20
Net Irr				2.65	8.27	9.15	3.49	1.73	0.43				25.71
Other Orchard					4.20	9.03	8.78	7.50	5.28	1.17	0.01		35.97
St Dev					0.37	0.47	0.44	0.41	1.07	1.02	0.03		2.06
Net Irr					3.81	8.86	8.20	6.73	4.54	0.43			32.56
Pasture				1.92	5.61	6.76	6.22	5.29	3.69	0.84			30.33
St Dev				0.19	0.44	0.35	0.31	0.26	0.89	0.79			1.85
Net Irr				1.44	5.23	6.58	5.64	4.51	2.96	0.09			26.45
Sorghum					1.46	5.26	8.06	6.84	2.64				24.27
St Dev					0.14	0.29	0.40	1.05	0.61				1.61
Net Irr					1.08	5.09	7.48	6.07	1.90				21.61
Spring Grain				1.18	5.42	10.09	6.59	0.33					23.60
St Dev				0.19	0.96	0.64	1.34	0.37					0.80
Net Irr				0.70	5.04	9.92	6.00						21.66
Winter Wheat			0.73	2.02	5.97	9.96	3.84	0.07					22.59
St Dev			0.12	0.30	1.25	0.66	1.86	0.17					0.83
Net Irr			0.13	1.54	5.58	9.78	3.26						20.30

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: FRUITLAND

Aridity Index: 34%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 36.74, Long: -108.35, Elev: 5130 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden					1.48	3.57	5.88	6.16	2.20				19.29
St Dev					0.13	0.19	0.29	0.99	0.79				1.52
Net Irr					1.09	3.39	5.30	5.38	1.46				16.63
Turfgrass				2.28	4.65	5.96	5.49	4.69	3.53	0.96	0.01		27.58
St Dev				0.22	0.36	0.31	0.28	0.26	0.74	0.85	0.03		1.63
Net Irr				1.80	4.27	5.79	4.91	3.91	2.80	0.22			23.69
Open Water Deep	1.07	1.32	2.12	2.91	4.07	5.23	4.46	4.18	3.29	2.77	1.76	1.14	34.31
St Dev	0.22	0.20	0.30	0.32	0.40	0.40	0.30	0.25	0.25	0.26	0.24	0.17	1.50
Net Evap	0.49	0.77	1.52	2.43	3.69	5.06	3.87	3.40	2.55	2.03	1.16	0.66	27.64
Open Water Shallow	1.10	1.69	3.14	4.29	5.54	6.07	6.09	5.41	4.34	2.96	1.59	1.04	43.27
St Dev	0.20	0.21	0.30	0.29	0.31	0.23	0.23	0.21	0.20	0.23	0.19	0.15	1.09
Net Evap	0.52	1.15	2.54	3.81	5.15	5.90	5.51	4.64	3.60	2.22	1.00	0.56	36.60
Wetlands Large					0.80	6.75	9.53	7.99	5.62	0.54			31.22
St Dev					0.19	0.50	0.48	1.23	1.68	0.80			3.07
Net ET					0.41	6.57	8.95	7.21	4.88				28.03
Wetlands Narrow					0.95	9.33	13.61	11.41	8.03	0.77			44.09
St Dev					0.23	0.72	0.69	1.76	2.39	1.14			4.39
Net ET					0.56	9.15	13.03	10.63	7.29	0.02			40.69
ETr	1.51	2.39	4.65	6.56	8.60	9.94	9.15	7.82	6.32	4.48	2.45	1.53	65.39
St Dev	0.41	0.43	0.62	0.59	0.66	0.52	0.46	0.43	0.42	0.52	0.43	0.32	2.47

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: AFTON

Aridity Index: 39%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.73, Long: -110.93, Elev: 6210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	16.49	20.30	29.17	38.31	47.69	55.53	62.54	61.34	52.39	42.27	28.52	17.54	39.34
St Dev	4.57	4.14	3.37	3.63	2.07	2.48	2.78	2.53	2.54	2.33	3.95	3.68	1.24
Precip (in)	1.57	1.27	1.48	1.62	2.19	1.57	1.35	1.33	1.52	1.54	1.51	1.48	18.42
St Dev	0.87	0.68	0.62	0.91	1.11	1.00	0.99	0.76	1.02	0.92	0.79	1.02	3.70
Aridity Adj. (F)	0.78	0.74	1.05	1.44	2.15	2.65	2.22	2.18	2.22	2.03	1.40	0.94	1.65
Est. Dewpoint (F)	8.79	11.58	17.88	21.93	28.47	34.37	37.72	35.54	29.25	22.64	17.12	9.77	22.92
Rs (langley/day)	145	248	379	461	521	620	635	548	424	287	166	128	380
Wind (mpd)	42	41	55	74	75	63	56	56	52	50	43	43	54
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				0.17	3.39	5.67	5.71	3.77	0.82				19.54
St Dev				0.18	0.56	0.40	0.69	1.15	1.07				2.14
Net Irr					1.64	4.41	4.63	2.71					13.38
Alfalfa (Dairy)				0.17	3.39	5.07	5.45	4.09	0.57				18.74
St Dev				0.18	0.56	0.33	0.36	1.22	0.82				1.91
Net Irr					1.64	3.81	4.37	3.03					12.85
Barley				0.12	1.55	4.79	7.38	3.92	0.08				17.85
St Dev				0.08	0.32	0.76	0.49	1.07	0.16				0.86
Net Irr						3.53	6.30	2.86					12.69
Other Hay				0.17	3.84	6.45	5.57	2.40	0.69	0.01			19.14
St Dev				0.18	0.63	0.54	0.71	0.27	0.41	0.04			1.10
Net Irr					2.09	5.19	4.49	1.34					13.11
Pasture				0.22	2.70	4.22	4.89	4.09	1.30	0.02			17.45
St Dev				0.09	0.26	0.34	0.32	0.58	0.86	0.08			1.52
Net Irr					0.95	2.96	3.81	3.02	0.08				10.83
Spring Grain				0.12	1.49	4.56	7.38	4.59	0.25				18.39
St Dev				0.08	0.30	0.76	0.50	1.09	0.31				1.12
Net Irr						3.30	6.30	3.52					13.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: AFTON

Aridity Index: 39%, Temp. Adj. (F): 0, Period: 1971-2008, Lat: 42.73, Long: -110.93, Elev: 6210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.48	2.98	4.13	0.45				9.04
St Dev						0.13	0.20	0.59	0.77				1.23
Net Irr						0.22	1.90	3.07					5.19
Turfgrass				0.36	2.48	3.64	4.32	3.70	1.37	0.03			15.91
St Dev				0.14	0.21	0.30	0.29	0.43	0.85	0.10			1.34
Net Irr					0.73	2.39	3.24	2.64	0.15				9.14
Open Water Deep	0.31	0.29	0.46	0.94	1.44	1.57	2.05	2.27	1.45	1.20	0.56	0.33	12.86
St Dev	0.04	0.04	0.07	0.18	0.15	0.19	0.22	0.20	0.16	0.15	0.10	0.05	0.79
Net Evap						0.31	0.97	1.20	0.23				2.71
Open Water Shallow	0.50	0.88	1.94	2.95	3.92	4.67	5.35	4.76	3.28	2.00	0.82	0.44	31.51
St Dev	0.05	0.09	0.17	0.33	0.25	0.30	0.30	0.23	0.23	0.20	0.12	0.06	1.27
Net Evap			0.76	1.65	2.17	3.41	4.27	3.70	2.06	0.77			18.78
Wetlands Large						0.94	5.36	5.85	1.10	0.01			13.25
St Dev						0.43	0.76	1.41	1.32	0.06			2.55
Net ET							4.27	4.78					9.05
Wetlands Narrow						1.16	7.46	8.35	1.57	0.01			18.56
St Dev						0.56	1.13	2.01	1.88	0.09			3.64
Net ET							6.38	7.28	0.35				14.02
ETr	0.63	0.96	2.15	3.68	5.22	6.22	7.20	6.39	4.27	2.65	1.02	0.57	40.97
St Dev	0.07	0.11	0.21	0.51	0.43	0.50	0.48	0.37	0.37	0.33	0.18	0.10	2.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEDFORD 3 SE

Aridity Index: 18%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.87, Long: -110.91, Elev: 6425 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.00	20.46	28.58	36.77	47.03	54.37	61.80	59.98	51.61	41.34	27.49	16.79	38.60
St Dev	4.42	3.77	3.36	3.71	2.04	2.33	2.69	1.89	2.69	2.67	4.11	4.15	1.35
Precip (in)	2.23	1.98	1.96	1.89	2.69	1.81	1.30	1.43	1.86	2.21	2.09	2.14	23.60
St Dev	1.11	1.31	0.86	1.03	1.57	1.31	1.04	0.87	1.26	1.61	1.32	1.40	4.66
Aridity Adj. (F)	0.36	0.34	0.49	0.67	0.99	1.22	1.03	1.01	1.03	0.94	0.65	0.43	0.76
Est. Dewpoint (F)	10.74	12.60	17.65	22.15	30.39	35.43	38.82	36.30	30.42	24.76	17.82	10.43	23.96
Rs (langley/day)	144	242	376	451	510	608	626	536	418	278	162	125	373
Wind (mpd)	50	50	63	81	82	71	64	64	59	57	51	50	62
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)				0.01	2.39	5.29	5.02	3.54	0.39				16.64
St Dev				0.03	0.63	0.63	0.80	1.66	0.79				2.83
Net Irr					0.23	3.84	3.98	2.39					10.44
Alfalfa (Dairy)				0.01	2.39	5.08	5.13	3.01	0.34				15.97
St Dev				0.03	0.63	0.50	0.74	1.62	0.55				2.58
Net Irr					0.23	3.63	4.09	1.86					9.81
Barley				0.02	1.07	3.63	6.93	4.31	0.30				16.25
St Dev				0.02	0.26	0.76	0.60	1.85	0.47				2.41
Net Irr						2.18	5.89	3.16					11.23
Other Hay				0.01	2.71	5.91	6.08	2.46	0.54				17.73
St Dev				0.03	0.73	0.62	0.61	0.32	0.43				1.20
Net Irr					0.56	4.46	5.04	1.31					11.37
Pasture				0.03	2.07	3.90	4.66	3.71	0.92	0.01			15.30
St Dev				0.03	0.30	0.37	0.39	0.84	0.85	0.04			1.80
Net Irr						2.45	3.62	2.57					8.64
Spring Grain				0.02	1.04	3.42	6.84	4.53	0.41				16.27
St Dev				0.02	0.24	0.71	0.61	1.97	0.66				2.69
Net Irr						1.97	5.80	3.38					11.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BEDFORD 3 SE

Aridity Index: 18%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.87, Long: -110.91, Elev: 6425 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.13	2.59	3.91	0.38				8.01
St Dev						0.11	0.18	0.34	0.61				0.87
Net Irr							1.55	2.76					4.32
Turfgrass				0.06	2.10	3.31	4.12	3.39	0.98	0.01			13.97
St Dev				0.05	0.25	0.32	0.33	0.71	0.83	0.06			1.59
Net Irr						1.86	3.08	2.24					7.18
Open Water Deep	0.26	0.24	0.38	0.71	1.17	1.38	1.91	2.09	1.35	1.07	0.48	0.26	11.30
St Dev	0.04	0.03	0.07	0.15	0.16	0.20	0.21	0.14	0.15	0.16	0.10	0.04	0.73
Net Evap							0.87	0.94					1.81
Open Water Shallow	0.40	0.76	1.76	2.63	3.63	4.40	5.13	4.49	3.11	1.80	0.68	0.33	29.12
St Dev	0.05	0.07	0.16	0.30	0.28	0.33	0.29	0.17	0.20	0.20	0.11	0.05	1.14
Net Evap			0.19	1.12	1.48	2.95	4.09	3.35	1.62	0.03			14.82
Wetlands Large						0.41	4.25	5.28	0.77	0.01			10.71
St Dev						0.33	0.85	1.41	1.16	0.04			2.50
Net ET							3.21	4.13					7.34
Wetlands Narrow						0.48	5.81	7.54	1.09	0.01			14.94
St Dev						0.40	1.26	2.02	1.65	0.06			3.57
Net ET							4.77	6.39					11.16
ETr	0.47	0.82	1.93	3.15	4.65	5.79	6.92	6.05	4.07	2.34	0.83	0.40	37.41
St Dev	0.09	0.09	0.21	0.45	0.45	0.54	0.46	0.28	0.32	0.33	0.17	0.08	1.84

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BITTER CREEK 4 NE

Aridity Index: 98%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 41.59, Long: -108.51, Elev: 6720 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	19.65	23.13	32.36	39.80	49.61	58.66	66.15	64.07	54.35	42.99	29.76	21.28	41.82
St Dev	5.29	4.20	3.43	3.47	2.46	2.83	2.62	2.28	2.78	2.40	4.10	4.22	1.44
Precip (in)	0.46	0.56	0.38	0.48	1.00	0.52	0.51	0.54	0.62	0.61	0.46	0.45	6.57
St Dev	0.36	0.65	0.34	0.58	1.20	0.54	0.71	0.71	0.59	0.54	0.39	0.46	2.12
Aridity Adj. (F)	1.96	1.86	2.65	3.63	5.39	6.66	5.59	5.49	5.59	5.10	3.53	2.35	4.15
Est. Dewpoint (F)	10.07	12.51	13.83	12.34	18.75	21.54	28.74	29.24	21.36	18.17	11.20	8.95	17.22
Rs (langley/day)	202	286	376	483	566	590	581	512	442	325	204	176	395
Wind (mpd)	168	159	174	180	166	154	133	128	135	155	153	158	155
Calc. Wind Limit (mpd)	96	96	96	106	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					0.97	5.61	6.35	4.05	0.23				17.20
St Dev					0.14	0.60	0.45	2.63	0.41				3.16
Net Irr					0.18	5.19	5.94	3.62					14.93
Alfalfa (Dairy)					0.97	5.61	6.00	3.22	0.40				16.20
St Dev					0.14	0.60	0.71	1.91	0.77				3.02
Net Irr					0.18	5.19	5.60	2.79					13.75
Other Hay					1.00	6.24	8.52	4.14	0.55				20.44
St Dev					0.14	0.51	0.40	0.76	0.57				1.50
Net Irr					0.20	5.82	8.11	3.71	0.05				17.90
Pasture					0.62	3.95	5.61	4.05	0.81				15.04
St Dev					0.09	0.32	0.26	1.46	0.92				2.23
Net Irr						3.53	5.20	3.62	0.31				12.67
Spring Grain					0.42	2.67	7.40	5.56	0.54				16.59
St Dev					0.06	0.50	0.64	2.48	0.95				3.28
Net Irr						2.25	7.00	5.13	0.05				14.43

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BITTER CREEK 4 NE

Aridity Index: 98%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 41.59, Long: -108.51, Elev: 6720 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.71	2.52	4.06	1.42				8.71
St Dev						0.07	0.12	0.19	0.36				0.40
Net Irr						0.30	2.11	3.63	0.92				6.97
Turfgrass					0.94	3.43	4.89	3.69	0.85				13.80
St Dev					0.13	0.28	0.23	1.26	0.92				2.01
Net Irr					0.14	3.01	4.49	3.26	0.36				11.25
Open Water Deep	0.60	0.56	0.93	1.50	1.93	2.72	3.76	3.69	2.53	1.87	1.19	0.74	22.02
St Dev	0.10	0.10	0.16	0.24	0.20	0.30	0.31	0.25	0.23	0.20	0.22	0.14	1.01
Net Evap	0.23	0.11	0.62	1.12	1.13	2.31	3.36	3.26	2.04	1.39	0.82	0.38	16.77
Open Water Shallow	0.62	0.99	2.08	3.12	4.13	4.64	5.26	4.68	3.48	2.16	1.01	0.61	32.78
St Dev	0.08	0.12	0.23	0.34	0.29	0.29	0.19	0.16	0.20	0.18	0.15	0.10	0.97
Net Evap	0.25	0.55	1.77	2.74	3.33	4.22	4.85	4.25	2.99	1.67	0.64	0.25	27.53
Wetlands Large						0.44	5.13	5.95	0.64				12.15
St Dev						0.20	0.55	2.03	1.11				2.73
Net ET						0.03	4.72	5.52	0.14				10.41
Wetlands Narrow						0.51	7.02	8.49	0.91				16.93
St Dev						0.24	0.82	2.90	1.58				3.90
Net ET						0.10	6.61	8.06	0.41				15.19
ETr	0.78	1.14	2.62	4.30	5.76	7.04	8.27	7.32	5.35	3.29	1.62	0.90	48.40
St Dev	0.13	0.20	0.37	0.58	0.52	0.57	0.39	0.35	0.40	0.39	0.34	0.20	1.86

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BORDER 3 N

Aridity Index: 12%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.21, Long: -111.05, Elev: 6069 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	13.12	16.51	26.62	38.38	48.87	56.67	63.95	62.13	52.62	42.04	27.85	15.59	38.70
St Dev	5.34	4.79	4.74	4.10	2.29	2.41	2.54	2.44	2.45	2.40	3.94	5.42	1.79
Precip (in)	1.25	1.09	1.09	1.11	1.69	1.05	0.98	0.91	1.23	1.20	1.33	1.20	14.12
St Dev	0.74	0.52	0.44	0.72	0.99	0.69	0.77	0.72	1.01	0.70	0.84	0.90	3.32
Aridity Adj. (F)	0.24	0.23	0.32	0.44	0.66	0.82	0.68	0.67	0.68	0.62	0.43	0.29	0.51
Est. Dewpoint (F)	6.49	10.29	14.89	20.29	27.96	33.12	36.44	33.94	26.93	22.14	14.92	7.05	21.21
Rs (langley/day)	171	233	372	476	568	653	645	508	456	314	197	140	394
Wind (mpd)	68	63	79	105	103	92	81	77	77	74	76	72	81
Calc. Wind Limit (mpd)	96	96	96	104	103	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)				0.05	3.13	6.41	6.17	4.05	0.77				20.57
St Dev				0.10	0.87	0.66	0.99	1.37	1.22				3.13
Net Irr					1.78	5.57	5.38	3.32					16.05
Alfalfa (Dairy)				0.05	3.13	5.89	6.19	3.95	0.50	0.01			19.72
St Dev				0.10	0.87	0.52	0.39	1.70	0.87	0.03			2.54
Net Irr					1.78	5.06	5.41	3.22					15.46
Barley				0.04	1.46	5.06	8.34	4.35	0.13				19.37
St Dev				0.06	0.39	1.00	0.53	1.39	0.23				1.78
Net Irr					0.10	4.22	7.56	3.62					15.50
Other Hay				0.04	3.43	7.19	7.11	2.82	0.75	0.01			21.35
St Dev				0.10	0.97	0.76	0.87	0.51	0.52	0.03			1.22
Net Irr					2.08	6.35	6.33	2.09					16.85
Pasture				0.08	2.61	4.74	5.54	4.39	1.30	0.01			18.68
St Dev				0.07	0.50	0.47	0.35	0.79	1.02	0.06			1.82
Net Irr					1.25	3.90	4.76	3.66	0.31				13.90
Spring Grain				0.04	1.40	4.80	8.31	4.98	0.29				19.82
St Dev				0.06	0.37	0.98	0.56	1.54	0.44				2.12
Net Irr					0.05	3.96	7.53	4.25					15.79

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: BORDER 3 N

Aridity Index: 12%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.21, Long: -111.05, Elev: 6069 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.67	3.37	4.38	0.41				9.82
St Dev						0.19	0.22	0.62	0.80				1.16
Net Irr						0.83	2.58	3.65					7.06
Turfgrass				0.14	2.61	4.03	4.89	3.99	1.38	0.02			17.07
St Dev				0.13	0.38	0.42	0.31	0.63	1.00	0.08			1.60
Net Irr					1.26	3.20	4.11	3.26	0.40				12.23
Open Water Deep	0.32	0.22	0.48	1.23	1.98	2.39	3.05	3.11	2.10	1.60	0.89	0.44	17.80
St Dev	0.07	0.10	0.09	0.27	0.23	0.29	0.29	0.24	0.20	0.18	0.17	0.09	1.07
Net Evap				0.34	0.62	1.55	2.26	2.39	1.12	0.65			8.92
Open Water Shallow	0.43	0.63	1.71	3.01	4.28	5.02	5.60	4.63	3.54	2.13	0.90	0.42	32.31
St Dev	0.08	0.18	0.19	0.38	0.30	0.36	0.28	0.18	0.21	0.19	0.14	0.07	1.30
Net Evap			0.84	2.12	2.93	4.19	4.81	3.90	2.56	1.17			22.52
Wetlands Large						0.97	5.85	6.11	0.98	0.01			13.91
St Dev						0.59	1.01	1.78	1.43	0.05			3.25
Net ET						0.14	5.06	5.38					10.58
Wetlands Narrow						1.20	8.12	8.72	1.40	0.01			19.45
St Dev						0.77	1.51	2.54	2.05	0.07			4.65
Net ET						0.37	7.34	7.99	0.41				16.11
ETr	0.54	0.70	1.99	3.92	5.86	7.05	8.15	6.99	5.13	3.14	1.32	0.63	45.42
St Dev	0.13	0.28	0.27	0.66	0.53	0.65	0.51	0.36	0.43	0.40	0.29	0.14	2.39

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CHURCH BUTTES GAS PLT

Aridity Index: 95%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.4, Long: -110.09, Elev: 7075 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.02	22.78	30.93	39.50	49.22	59.32	67.31	65.53	55.23	43.88	29.49	21.44	42.05
St Dev	5.18	5.08	3.99	3.93	2.70	3.15	3.01	2.29	2.71	3.22	4.23	4.86	1.74
Precip (in)	0.49	0.32	0.61	0.84	1.12	0.74	0.59	0.66	0.85	0.68	0.62	0.46	7.99
St Dev	0.42	0.27	0.54	0.75	0.84	0.78	0.69	0.59	0.69	0.61	0.51	0.38	2.95
Aridity Adj. (F)	1.90	1.81	2.57	3.52	5.23	6.46	5.42	5.32	5.42	4.94	3.42	2.28	4.02
Est. Dewpoint (F)	14.95	16.31	17.49	18.58	25.16	31.07	37.00	36.89	30.13	23.52	16.08	14.33	23.46
Rs (langley/day)	211	304	408	487	569	600	593	512	443	315	222	181	404
Wind (mpd)	102	96	120	133	118	109	96	94	97	100	107	98	106
Calc. Wind Limit (mpd)	96	96	96	106	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					0.87	4.54	5.73	3.66	0.49				15.29
St Dev					0.14	0.59	0.41	2.12	0.59				2.63
Net Irr						3.95	5.25	3.14					12.34
Alfalfa (Dairy)					0.87	4.54	5.22	3.30	0.69				14.62
St Dev					0.14	0.59	0.60	1.71	0.89				2.66
Net Irr						3.95	4.75	2.77	0.01				11.48
Other Hay					0.91	5.22	7.29	3.58	0.70	0.01			17.71
St Dev					0.14	0.52	0.49	0.38	0.49	0.04			1.02
Net Irr					0.01	4.63	6.82	3.05	0.02				14.53
Pasture					0.56	3.32	4.80	3.81	1.03	0.01			13.53
St Dev					0.09	0.33	0.38	0.85	0.84	0.06			1.56
Net Irr						2.72	4.32	3.28	0.34				10.67
Spring Grain					0.37	1.97	5.96	5.44	0.93				14.67
St Dev					0.06	0.47	0.84	1.54	1.03				2.44
Net Irr						1.37	5.49	4.91	0.25				12.02

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: CHURCH BUTTES GAS PLT

Aridity Index: 95%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.4, Long: -110.09, Elev: 7075 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.79	2.31	3.65	0.88				7.64
St Dev						0.09	0.16	0.21	0.51				0.58
Net Irr						0.19	1.84	3.12	0.20				5.36
Turfgrass					0.83	2.84	4.19	3.43	1.06	0.02			12.37
St Dev					0.12	0.28	0.32	0.73	0.81	0.08			1.40
Net Irr						2.25	3.72	2.90	0.38				9.24
Open Water Deep	0.22	0.20	0.42	0.88	1.17	1.77	2.71	2.71	1.67	1.35	0.72	0.32	14.14
St Dev	0.07	0.09	0.10	0.18	0.14	0.25	0.28	0.19	0.16	0.19	0.15	0.09	1.02
Net Evap				0.21	0.28	1.17	2.23	2.18	0.99	0.81	0.22		8.09
Open Water Shallow	0.40	0.78	1.81	2.76	3.73	4.32	5.02	4.40	3.16	1.87	0.80	0.36	29.40
St Dev	0.08	0.16	0.22	0.33	0.25	0.34	0.27	0.18	0.19	0.18	0.14	0.09	1.40
Net Evap		0.53	1.32	2.08	2.83	3.72	4.55	3.87	2.48	1.33	0.30		23.01
Wetlands Large						0.35	4.14	5.47	1.01				10.97
St Dev						0.33	1.07	1.35	1.11				2.45
Net ET							3.66	4.95	0.33				8.94
Wetlands Narrow						0.42	5.64	7.81	1.45				15.31
St Dev						0.39	1.57	1.94	1.58				3.50
Net ET							5.17	7.28	0.76				13.21
ETr	0.15	0.55	1.80	3.29	4.61	5.80	7.10	6.12	4.15	2.41	0.89	0.23	37.09
St Dev	0.18	0.22	0.29	0.49	0.39	0.57	0.48	0.34	0.32	0.32	0.23	0.18	2.46

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: EVANSTON 1 E

Aridity Index: 37%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.26, Long: -110.95, Elev: 6825 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.49	23.08	31.46	39.86	48.53	56.86	64.16	62.82	53.96	43.44	30.29	21.66	41.38
St Dev	4.27	3.74	3.53	3.84	2.38	2.66	2.39	2.08	2.43	2.46	4.11	3.92	1.39
Precip (in)	0.79	0.67	0.84	1.16	1.49	1.00	0.83	0.99	1.29	1.16	1.04	0.77	12.04
St Dev	0.69	0.45	0.48	0.72	0.97	0.91	0.71	0.81	0.96	0.86	0.72	0.53	3.29
Aridity Adj. (F)	0.74	0.70	1.00	1.37	2.04	2.52	2.11	2.07	2.11	1.92	1.33	0.89	1.57
Est. Dewpoint (F)	15.53	16.92	19.27	21.63	27.60	33.11	36.95	36.72	30.15	24.47	18.40	14.19	24.58
Rs (langley/day)	189	307	391	493	570	649	634	552	440	315	206	180	411
Wind (mpd)	95	88	113	139	136	130	124	132	125	105	129	104	118
Calc. Wind Limit (mpd)	96	96	99	110	110	96	96	96	96	96	96	96	99
.....Inches.....													
Alfalfa (Beef)					1.15	5.11	5.90	3.54	0.26				15.96
St Dev					0.18	0.60	0.46	2.41	0.44				3.09
Net Irr						4.31	5.24	2.75					12.29
Alfalfa (Dairy)					1.15	5.11	5.56	3.08	0.50				15.40
St Dev					0.18	0.60	0.66	1.88	0.85				3.12
Net Irr						4.31	4.89	2.29					11.49
Other Hay					1.22	5.81	7.72	3.61	0.52	0.01			18.88
St Dev					0.18	0.53	0.51	0.50	0.51	0.02			1.31
Net Irr					0.02	5.01	7.06	2.82					14.91
Pasture					0.75	3.71	5.15	3.84	0.74	0.01			14.19
St Dev					0.11	0.34	0.35	1.31	0.84	0.03			2.14
Net Irr						2.91	4.49	3.04					10.44
Spring Grain					0.48	2.46	6.75	5.31	0.59				15.59
St Dev					0.07	0.48	0.79	2.09	0.94				3.02
Net Irr						1.66	6.09	4.52					12.26

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: EVANSTON 1 E

Aridity Index: 37%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.26, Long: -110.95, Elev: 6825 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.70	2.35	3.76	1.26				8.07
St Dev						0.08	0.16	0.24	0.39				0.58
Net Irr							1.68	2.97	0.23				4.88
Turfgrass					1.06	3.12	4.53	3.49	0.78	0.01			12.99
St Dev					0.15	0.29	0.30	1.14	0.83	0.04			1.93
Net Irr						2.33	3.86	2.69					8.88
Open Water Deep	0.27	0.21	0.47	0.94	1.45	1.79	2.73	2.86	1.93	1.57	0.82	0.42	15.46
St Dev	0.08	0.08	0.11	0.19	0.18	0.24	0.27	0.22	0.19	0.22	0.20	0.11	0.98
Net Evap				0.01	0.25	0.99	2.07	2.06	0.90	0.64			6.92
Open Water Shallow	0.39	0.83	1.82	2.89	3.92	4.65	5.28	4.69	3.29	2.00	0.82	0.42	30.99
St Dev	0.08	0.13	0.20	0.33	0.26	0.33	0.27	0.21	0.20	0.20	0.16	0.09	1.18
Net Evap		0.29	1.16	1.96	2.72	3.85	4.61	3.89	2.26	1.08			21.82
Wetlands Large						0.52	4.93	5.49	0.69				11.63
St Dev						0.21	0.68	1.92	1.09				2.78
Net ET							4.26	4.70					8.96
Wetlands Narrow						0.61	6.79	7.84	0.98				16.23
St Dev						0.26	0.99	2.74	1.56				3.97
Net ET							6.12	7.05					13.17
ETr	0.25	0.66	1.93	3.50	5.05	6.27	7.59	6.67	4.66	2.83	1.06	0.42	40.89
St Dev	0.18	0.21	0.29	0.51	0.45	0.58	0.50	0.42	0.38	0.39	0.31	0.19	2.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GREEN RIVER

Aridity Index: 35%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.53, Long: -109.48, Elev: 6077 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.22	21.71	32.82	41.38	50.98	59.98	67.46	65.55	55.10	43.81	29.74	19.50	42.10
St Dev	5.77	5.28	3.44	3.30	2.60	2.73	2.36	2.14	2.62	2.34	4.00	4.95	1.46
Precip (in)	0.43	0.38	0.59	0.81	1.14	0.74	0.67	0.68	0.93	0.78	0.53	0.38	8.04
St Dev	0.24	0.28	0.38	0.63	0.86	0.60	0.80	0.47	0.70	0.53	0.39	0.28	2.04
Aridity Adj. (F)	0.70	0.67	0.95	1.30	1.93	2.38	2.00	1.96	2.00	1.82	1.26	0.84	1.48
Est. Dewpoint (F)	7.73	11.31	16.49	17.08	24.73	28.73	33.87	33.93	25.65	21.07	12.99	7.59	20.10
Rs (langley/day)	197	277	365	454	520	561	544	484	444	311	207	173	378
Wind (mpd)	155	148	163	168	152	141	122	117	125	144	142	145	144
Calc. Wind Limit (mpd)	96	96	96	104	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					2.49	6.58	6.30	4.59	0.74				20.70
St Dev					0.34	0.54	0.73	1.54	0.94				2.54
Net Irr					1.58	5.98	5.77	4.05					17.38
Alfalfa (Dairy)					2.49	6.18	6.41	4.40	0.58				20.07
St Dev					0.34	0.40	0.44	1.86	0.76				2.45
Net Irr					1.58	5.59	5.88	3.86					16.91
Other Hay					2.66	7.22	8.02	3.28	0.95				22.14
St Dev					0.33	0.56	0.53	0.49	0.54				1.41
Net Irr					1.76	6.63	7.49	2.74	0.21				18.82
Pasture					1.65	4.69	5.75	4.88	1.56	0.01			18.54
St Dev					0.19	0.36	0.39	0.86	1.00	0.03			1.76
Net Irr					0.74	4.10	5.22	4.34	0.82				15.22
Spring Grain					1.00	4.33	8.58	5.79	0.48				20.18
St Dev					0.17	0.75	0.62	1.79	0.56				2.03
Net Irr					0.09	3.74	8.05	5.25					17.12

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: GREEN RIVER

Aridity Index: 35%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.53, Long: -109.48, Elev: 6077 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						1.65	3.44	4.83	0.40				10.32
St Dev						0.13	0.24	0.61	0.77				1.21
Net Irr						1.05	2.91	4.29					8.26
Turfgrass					1.96	3.88	5.08	4.38	1.65	0.01			16.96
St Dev					0.22	0.29	0.35	0.71	0.98	0.05			1.58
Net Irr					1.05	3.29	4.54	3.84	0.91				13.64
Open Water Deep	0.54	0.51	0.85	1.48	2.00	2.90	4.04	4.03	2.69	2.04	1.18	0.69	22.95
St Dev	0.12	0.10	0.15	0.23	0.24	0.31	0.37	0.29	0.25	0.24	0.21	0.13	1.31
Net Evap	0.20	0.21	0.38	0.84	1.09	2.31	3.51	3.49	1.95	1.41	0.76	0.38	16.51
Open Water Shallow	0.56	0.91	1.99	3.05	4.02	4.65	5.20	4.68	3.61	2.19	1.01	0.57	32.42
St Dev	0.10	0.13	0.22	0.30	0.30	0.26	0.25	0.18	0.20	0.19	0.14	0.09	1.26
Net Evap	0.22	0.61	1.52	2.40	3.11	4.06	4.66	4.14	2.86	1.56	0.59	0.26	25.99
Wetlands Large						0.77	5.76	6.98	1.30				14.80
St Dev						0.50	1.09	1.72	1.52				3.29
Net ET						0.17	5.23	6.43	0.56				12.39
Wetlands Narrow						0.93	7.96	9.96	1.86				20.71
St Dev						0.63	1.62	2.46	2.17				4.70
Net ET						0.34	7.43	9.42	1.12				18.30
ETr	0.81	1.16	2.59	4.33	5.80	7.20	8.46	7.60	5.65	3.59	1.69	0.95	49.85
St Dev	0.20	0.22	0.37	0.56	0.57	0.54	0.58	0.40	0.43	0.46	0.33	0.20	2.71

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KEMMERER 2 N

Aridity Index: 45%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.82, Long: -110.53, Elev: 6926 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	15.75	17.79	26.96	36.49	46.79	55.12	62.33	60.46	50.85	40.09	26.21	17.33	38.01
St Dev	4.88	4.45	3.94	3.94	2.49	3.12	2.99	2.17	2.38	2.79	4.31	4.43	1.68
Precip (in)	0.73	0.58	0.66	0.91	1.13	0.93	0.76	0.96	0.99	0.89	0.82	0.66	10.02
St Dev	0.46	0.57	0.53	0.70	0.82	0.95	0.58	0.83	0.97	0.58	0.68	0.66	3.80
Aridity Adj. (F)	0.90	0.86	1.22	1.67	2.48	3.06	2.57	2.52	2.57	2.34	1.62	1.08	1.91
Est. Dewpoint (F)	8.83	10.14	14.12	17.07	24.69	29.65	33.46	32.16	25.39	19.78	12.68	8.15	19.68
Rs (langley/day)	162	240	364	431	506	580	567	481	393	267	171	135	358
Wind (mpd)	83	78	103	125	123	108	96	99	97	91	98	84	99
Calc. Wind Limit (mpd)	96	96	109	120	121	105	97	96	96	96	96	96	102
.....Inches.....													
Alfalfa (Beef)					1.23	5.08	5.73	2.65	0.11				14.80
St Dev					0.32	0.75	0.72	2.21	0.26				3.01
Net Irr					0.33	4.34	5.12	1.88					11.66
Alfalfa (Dairy)					1.23	5.08	5.32	2.54	0.13				14.30
St Dev					0.32	0.74	0.87	1.78	0.31				2.82
Net Irr					0.33	4.33	4.71	1.77					11.14
Other Hay					1.32	5.85	7.53	3.34	0.39				18.42
St Dev					0.34	0.70	0.47	0.77	0.44				1.59
Net Irr					0.41	5.10	6.92	2.57					15.00
Pasture					0.89	3.81	5.05	3.65	0.57				13.96
St Dev					0.14	0.41	0.32	1.34	0.69				2.06
Net Irr						3.06	4.44	2.88					10.38
Spring Grain					0.55	2.48	6.52	4.65	0.25				14.44
St Dev					0.10	0.61	0.84	1.99	0.60				2.73
Net Irr						1.74	5.91	3.88					11.53

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: KEMMERER 2 N

Aridity Index: 45%, Temp. Adj. (F): -4.5, Period: 1971-2008, Lat: 41.82, Long: -110.53, Elev: 6926 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.74	2.33	3.78	0.97				7.83
St Dev						0.10	0.14	0.24	0.27				0.44
Net Irr							1.72	3.01	0.18				4.91
Turfgrass					1.22	3.17	4.44	3.35	0.62				12.81
St Dev					0.18	0.34	0.28	1.17	0.71				1.87
Net Irr					0.32	2.43	3.84	2.58					9.16
Open Water Deep	0.33	0.26	0.54	1.12	1.77	2.16	2.93	3.05	2.01	1.51	0.87	0.44	16.99
St Dev	0.07	0.06	0.11	0.24	0.22	0.32	0.29	0.23	0.18	0.20	0.19	0.10	1.09
Net Evap			0.01	0.39	0.87	1.41	2.32	2.28	1.21	0.80	0.22		9.51
Open Water Shallow	0.39	0.66	1.65	2.60	3.67	4.34	4.90	4.27	3.01	1.77	0.75	0.39	28.40
St Dev	0.07	0.09	0.19	0.32	0.27	0.35	0.24	0.18	0.17	0.18	0.14	0.08	1.15
Net Evap		0.19	1.13	1.87	2.76	3.59	4.29	3.50	2.22	1.05	0.10		20.71
Wetlands Large						0.11	3.19	5.14	0.28				8.73
St Dev						0.18	1.14	1.00	0.63				1.85
Net ET							2.58	4.38					6.96
Wetlands Narrow						0.12	4.25	7.31	0.40				12.08
St Dev						0.21	1.61	1.43	0.90				2.63
Net ET							3.64	6.54					10.18
ETr	0.49	0.74	1.93	3.48	5.11	6.26	7.43	6.58	4.61	2.78	1.21	0.61	41.25
St Dev	0.14	0.16	0.27	0.57	0.51	0.67	0.46	0.40	0.34	0.39	0.33	0.18	2.24

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LA BARGE

Aridity Index: 53%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.26, Long: -110.2, Elev: 6595 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	13.11	16.89	28.96	38.46	48.12	56.64	63.91	61.80	51.90	40.85	25.59	14.82	38.42
St Dev	5.66	5.88	4.04	2.96	1.93	2.57	2.60	2.22	2.49	2.29	4.36	5.49	1.62
Precip (in)	0.39	0.43	0.52	0.82	1.39	0.79	0.77	0.84	0.80	0.70	0.43	0.40	8.29
St Dev	0.36	0.39	0.44	0.73	1.45	0.75	0.57	0.70	0.62	0.55	0.37	0.38	2.82
Aridity Adj. (F)	1.06	1.01	1.43	1.96	2.92	3.60	3.02	2.97	3.02	2.76	1.91	1.27	2.24
Est. Dewpoint (F)	1.76	5.91	15.16	18.27	25.06	30.78	34.48	31.89	24.58	17.99	9.66	2.56	18.17
Rs (langley/day)	142	242	376	452	516	609	632	545	419	283	165	127	376
Wind (mpd)	78	77	101	122	123	119	109	102	98	96	84	74	99
Calc. Wind Limit (mpd)	96	96	96	99	100	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					1.75	5.80	5.96	3.66	0.19				17.35
St Dev					0.29	0.72	0.86	2.49	0.36				3.52
Net Irr					0.64	5.17	5.34	2.98					14.13
Alfalfa (Dairy)					1.75	5.78	5.96	3.08	0.30				16.88
St Dev					0.29	0.69	1.08	1.89	0.65				3.18
Net Irr					0.64	5.15	5.34	2.41					13.54
Other Hay					1.88	6.50	8.22	3.45	0.46				20.51
St Dev					0.29	0.66	0.52	0.58	0.49				1.49
Net Irr					0.77	5.86	7.60	2.78					17.02
Pasture					1.19	4.21	5.66	4.43	0.69				16.17
St Dev					0.15	0.41	0.36	1.01	0.82				1.80
Net Irr					0.08	3.57	5.04	3.76	0.05				12.49
Spring Grain					0.71	3.24	7.89	4.96	0.37				17.17
St Dev					0.11	0.62	0.89	2.76	0.73				3.67
Net Irr						2.61	7.27	4.29					14.16

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: LA BARGE

Aridity Index: 53%, Temp. Adj. (F): -3, Period: 1971-2008, Lat: 42.26, Long: -110.2, Elev: 6595 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.91	2.72	4.46	0.84				8.92
St Dev						0.09	0.18	0.22	0.46				0.57
Net Irr						0.27	2.10	3.78	0.20				6.35
Turfgrass					1.53	3.47	4.99	4.07	0.76				14.82
St Dev					0.19	0.34	0.32	0.83	0.83				1.61
Net Irr					0.42	2.84	4.37	3.39	0.12				11.14
Open Water Deep	0.46	0.38	0.67	1.13	1.71	2.24	3.34	3.52	2.34	1.90	0.91	0.49	19.10
St Dev	0.09	0.07	0.13	0.20	0.21	0.29	0.32	0.22	0.22	0.22	0.16	0.10	1.08
Net Evap	0.15	0.04	0.25	0.48	0.60	1.61	2.72	2.84	1.71	1.34	0.56	0.17	12.47
Open Water Shallow	0.46	0.75	1.86	2.83	3.81	4.63	5.47	4.83	3.30	1.98	0.81	0.43	31.17
St Dev	0.09	0.10	0.21	0.30	0.29	0.33	0.27	0.16	0.19	0.18	0.11	0.08	1.22
Net Evap	0.15	0.41	1.44	2.18	2.71	4.00	4.86	4.16	2.66	1.42	0.46	0.11	24.54
Wetlands Large						0.36	4.78	5.99	0.56				11.68
St Dev						0.34	1.10	1.84	1.01				2.73
Net ET							4.16	5.32					9.48
Wetlands Narrow						0.42	6.50	8.55	0.80				16.27
St Dev						0.41	1.62	2.63	1.44				3.89
Net ET							5.88	7.88	0.16				13.91
ETr	0.87	1.08	2.32	3.82	5.37	6.68	8.32	7.46	5.23	3.42	1.46	0.87	46.90
St Dev	0.22	0.19	0.33	0.54	0.56	0.65	0.53	0.35	0.42	0.46	0.28	0.21	2.58

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MERNA

Aridity Index: 15%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 42.95, Long: -110.37, Elev: 7698 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	16.19	18.31	23.59	31.22	42.05	49.67	56.63	55.32	46.55	37.75	23.85	15.77	34.74
St Dev	4.75	4.09	3.37	3.64	2.35	2.78	2.55	2.06	2.46	2.56	3.07	4.26	1.38
Precip (in)	1.33	1.24	1.01	1.08	1.41	1.08	1.08	0.98	1.44	1.28	1.10	1.08	14.10
St Dev	1.07	0.74	0.60	0.94	1.09	0.79	0.88	0.76	0.98	1.04	0.70	0.83	3.09
Aridity Adj. (F)	0.30	0.29	0.41	0.56	0.83	1.02	0.86	0.84	0.86	0.78	0.54	0.36	0.64
Est. Dewpoint (F)	10.39	12.09	13.14	16.29	24.36	30.78	34.45	32.58	26.26	21.35	13.65	8.73	20.34
Rs (langley/day)	148	255	374	455	512	619	634	550	422	282	168	128	379
Wind (mpd)	73	72	90	109	110	104	95	91	86	85	75	70	88
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
.....Inches.....													
Alfalfa (Beef)						2.83	5.77	1.58	0.02				10.20
St Dev						0.40	0.61	1.38	0.09				1.56
Net Irr						1.97	4.91	0.79					7.67
Alfalfa (Dairy)						2.83	5.58	1.36	0.05				9.82
St Dev						0.40	0.56	1.41	0.25				1.65
Net Irr						1.97	4.71	0.58					7.26
Barley						1.12	3.86	5.05	0.48	0.05	0.02	0.01	10.59
St Dev						0.21	0.70	0.96	0.83	0.33	0.11	0.06	1.26
Net Irr						0.25	3.00	4.26					7.52
Other Hay						3.24	6.67	4.78	0.27				14.96
St Dev						0.39	0.51	0.46	0.31				1.09
Net Irr						2.37	5.81	3.99					12.18
Pasture						2.02	4.26	2.72	0.25				9.25
St Dev						0.21	0.36	1.50	0.36				1.90
Net Irr						1.15	3.40	1.93					6.49
Spring Grain						1.09	3.66	5.27	0.74	0.06	0.02	0.01	10.85
St Dev						0.20	0.65	0.75	1.06	0.33	0.11	0.06	1.38
Net Irr						0.23	2.79	4.48					7.51

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MERNA

Aridity Index: 15%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 42.95, Long: -110.37, Elev: 7698 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						0.38	1.88	2.97	1.22				6.45
St Dev						0.09	0.16	0.26	0.16				0.44
Net Irr							1.01	2.19	0.07				3.27
Turfgrass						2.18	3.57	2.46	0.28				8.50
St Dev						0.23	0.30	1.33	0.38				1.73
Net Irr						1.32	2.71	1.68					5.70
Open Water Deep	0.24	0.17	0.28	0.50	0.93	1.23	1.88	2.05	1.28	1.11	0.49	0.26	10.40
St Dev	0.06	0.05	0.09	0.14	0.15	0.19	0.20	0.18	0.17	0.18	0.09	0.07	0.92
Net Evap						0.36	1.02	1.26	0.13	0.09			2.86
Open Water Shallow	0.32	0.64	1.45	2.25	3.24	4.08	4.81	4.24	2.81	1.63	0.58	0.28	26.32
St Dev	0.07	0.09	0.21	0.31	0.27	0.31	0.27	0.23	0.22	0.19	0.10	0.07	1.44
Net Evap			0.65	1.39	2.12	3.21	3.95	3.45	1.66	0.61			17.03
Wetlands Large						0.01	1.97	4.31	0.29				6.59
St Dev						0.02	0.92	0.88	0.49				1.39
Net ET							1.11	3.53					4.64
Wetlands Narrow						0.01	2.57	6.09	0.42				9.08
St Dev						0.03	1.25	1.27	0.71				1.97
Net ET							1.70	5.31					7.01
ETr	0.31	0.57	1.50	2.55	4.04	5.21	6.49	5.72	3.74	2.22	0.72	0.33	33.42
St Dev	0.12	0.14	0.30	0.47	0.46	0.53	0.49	0.42	0.41	0.37	0.18	0.13	2.54

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MTN VIEW

Aridity Index: 41%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.27, Long: -110.33, Elev: 6800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.74	24.14	32.38	40.14	49.13	57.84	64.38	62.79	54.31	44.18	30.32	22.79	42.01
St Dev	5.01	4.61	3.62	3.87	2.35	2.67	2.35	2.15	2.56	2.92	4.01	4.53	1.68
Precip (in)	0.50	0.46	0.56	0.96	1.24	0.94	0.97	0.90	1.07	0.93	0.67	0.45	9.65
St Dev	0.43	0.34	0.38	0.57	0.56	0.94	0.58	0.67	0.75	0.54	0.48	0.36	2.39
Aridity Adj. (F)	0.82	0.78	1.11	1.52	2.26	2.79	2.34	2.30	2.34	2.13	1.48	0.98	1.74
Est. Dewpoint (F)	16.73	17.88	19.04	19.95	26.43	32.30	36.64	36.44	30.52	25.43	17.61	15.84	24.57
Rs (langley/day)	205	292	401	465	547	584	584	515	443	316	215	177	395
Wind (mpd)	83	80	108	126	116	103	92	97	97	87	104	82	98
Calc. Wind Limit (mpd)	96	96	96	114	105	96	96	96	96	96	96	96	98
.....Inches.....													
Alfalfa (Beef)					1.68	5.22	5.43	3.91	0.38				16.62
St Dev					0.21	0.53	0.43	2.16	0.54				2.98
Net Irr					0.69	4.47	4.65	3.18					13.00
Alfalfa (Dairy)					1.68	5.21	5.19	3.30	0.50				15.88
St Dev					0.21	0.52	0.71	1.70	0.71				3.02
Net Irr					0.69	4.46	4.41	2.58					12.14
Other Hay					1.84	5.95	7.02	3.06	0.62				18.49
St Dev					0.22	0.47	0.38	0.27	0.51				1.01
Net Irr					0.85	5.20	6.24	2.34					14.63
Pasture					1.13	3.84	4.84	4.06	0.99	0.01			14.87
St Dev					0.12	0.30	0.26	0.49	0.89	0.03			1.33
Net Irr					0.14	3.09	4.07	3.34	0.14				10.77
Spring Grain					0.67	2.74	6.64	5.47	0.73				16.24
St Dev					0.09	0.52	0.64	1.74	0.95				2.90
Net Irr						1.99	5.86	4.74					12.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: MTN VIEW

Aridity Index: 41%, Temp. Adj. (F): -6, Period: 1971-2008, Lat: 41.27, Long: -110.33, Elev: 6800 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	Inches.....												
Garden						0.98	2.46	4.03	0.65				8.11
St Dev						0.08	0.14	0.20	0.61				0.66
Net Irr						0.23	1.69	3.30					5.22
Turfgrass					1.45	3.17	4.27	3.69	1.04	0.01			13.63
St Dev					0.15	0.24	0.23	0.37	0.88	0.04			1.18
Net Irr					0.46	2.42	3.50	2.97	0.19				9.52
Open Water Deep	0.26	0.21	0.54	1.12	1.53	1.96	2.66	2.84	1.92	1.42	0.86	0.36	15.68
St Dev	0.06	0.07	0.12	0.21	0.16	0.22	0.23	0.19	0.18	0.20	0.19	0.08	0.94
Net Evap			0.09	0.35	0.54	1.21	1.88	2.12	1.07	0.67	0.32		8.25
Open Water Shallow	0.45	0.82	1.93	2.84	3.85	4.38	4.96	4.44	3.30	1.99	0.87	0.42	30.26
St Dev	0.07	0.14	0.23	0.31	0.23	0.26	0.21	0.16	0.19	0.20	0.15	0.08	1.09
Net Evap	0.05	0.46	1.49	2.07	2.86	3.63	4.18	3.72	2.45	1.24	0.33	0.06	22.53
Wetlands Large						0.54	4.65	5.80	1.01				12.00
St Dev						0.34	0.91	1.50	1.26				2.91
Net ET							3.87	5.08	0.16				9.11
Wetlands Narrow						0.65	6.41	8.28	1.44				16.78
St Dev						0.42	1.35	2.15	1.81				4.16
Net ET							5.63	7.56	0.59				13.78
ETr	0.28	0.67	2.09	3.64	5.08	6.10	7.12	6.39	4.58	2.67	1.11	0.36	40.09
St Dev	0.13	0.19	0.33	0.50	0.38	0.48	0.39	0.31	0.34	0.34	0.29	0.13	1.85

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ROCK SPRINGS AP

Aridity Index: 69%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 41.59, Long: -109.06, Elev: 6742 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.50	24.03	32.87	41.27	50.71	60.73	68.44	66.35	56.02	44.54	30.11	21.53	43.09
St Dev	5.06	4.50	3.23	3.63	2.48	3.23	2.89	2.13	2.47	2.81	4.03	4.39	1.29
Precip (in)	0.57	0.51	0.77	0.96	1.27	0.76	0.76	0.64	0.90	0.90	0.61	0.55	9.19
St Dev	0.41	0.34	0.42	0.73	1.05	0.55	0.72	0.48	0.70	0.64	0.48	0.45	2.62
Aridity Adj. (F)	1.38	1.31	1.86	2.55	3.80	4.69	3.93	3.86	3.93	3.59	2.48	1.66	2.92
Est. Dewpoint (F)	15.90	18.36	19.46	18.91	25.72	30.57	36.92	37.13	29.40	25.34	16.86	13.95	24.04
Rs (langley/day)	200	289	383	464	539	575	567	503	441	316	210	172	388
Wind (mpd)	194	183	193	196	181	170	147	142	151	176	174	182	174
Calc. Wind Limit (mpd)	96	96	96	105	96	96	96	96	96	96	96	96	97
.....Inches.....													
Alfalfa (Beef)					1.51	5.08	5.56	4.44	0.58				17.19
St Dev					0.23	0.66	0.46	1.63	0.72				2.47
Net Irr					0.50	4.47	4.96	3.93					13.86
Alfalfa (Dairy)					1.51	5.08	5.40	3.78	0.75				16.52
St Dev					0.23	0.66	0.56	1.25	0.82				2.30
Net Irr					0.50	4.47	4.79	3.27	0.03				13.05
Other Hay					1.66	5.83	7.07	3.02	0.77				18.36
St Dev					0.23	0.60	0.47	0.36	0.42				1.15
Net Irr					0.64	5.22	6.46	2.51	0.05				14.89
Pasture					1.04	3.77	4.87	4.02	1.24	0.01			14.95
St Dev					0.14	0.37	0.33	0.57	0.76	0.03			1.21
Net Irr					0.02	3.16	4.26	3.51	0.52				11.48
Spring Grain					0.61	2.56	6.57	5.61	0.90				16.24
St Dev					0.09	0.57	0.79	1.47	1.00				2.43
Net Irr						1.95	5.96	5.10	0.18				13.18

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: ROCK SPRINGS AP

Aridity Index: 69%, Temp. Adj. (F): -7.5, Period: 1971-2008, Lat: 41.59, Long: -109.06, Elev: 6742 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						0.91	2.43	3.84	0.93				8.12
St Dev						0.10	0.16	0.25	0.67				0.67
Net Irr						0.30	1.82	3.33	0.21				5.67
Turfgrass					1.34	3.12	4.29	3.61	1.30	0.01			13.66
St Dev					0.16	0.31	0.29	0.48	0.74	0.04			1.08
Net Irr					0.32	2.51	3.69	3.09	0.57				10.18
Open Water Deep	0.15	0.11	0.40	0.97	1.30	2.06	2.94	2.88	1.84	1.29	0.69	0.30	14.92
St Dev	0.08	0.09	0.12	0.19	0.17	0.30	0.31	0.23	0.18	0.21	0.16	0.09	1.19
Net Evap				0.20	0.28	1.45	2.34	2.37	1.12	0.57	0.20		8.53
Open Water Shallow	0.31	0.69	1.73	2.73	3.68	4.34	4.96	4.40	3.23	1.84	0.74	0.32	28.96
St Dev	0.09	0.15	0.25	0.33	0.30	0.35	0.27	0.22	0.21	0.22	0.15	0.08	1.52
Net Evap		0.28	1.11	1.97	2.66	3.73	4.35	3.89	2.50	1.12	0.26		21.87
Wetlands Large						0.36	4.11	5.71	1.20				11.37
St Dev						0.33	1.18	1.21	1.25				2.58
Net ET							3.50	5.20	0.48				9.18
Wetlands Narrow						0.42	5.60	8.14	1.71				15.88
St Dev						0.40	1.72	1.74	1.78				3.68
Net ET							5.00	7.63	0.99				13.61
ETr	-0.01	0.36	1.72	3.35	4.67	5.99	7.16	6.21	4.30	2.30	0.81	0.17	37.03
St Dev		0.21	0.34	0.49	0.47	0.60	0.48	0.40	0.34	0.38	0.25	0.14	2.59

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SAGE 4 NNW

Aridity Index: 20%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.87, Long: -111, Elev: 6210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	13.06	16.49	27.71	38.68	47.96	56.20	63.08	60.90	51.54	40.87	27.06	15.13	38.23
St Dev	6.00	5.49	5.40	3.34	2.31	2.46	3.08	2.47	2.56	2.39	4.43	5.78	1.86
Precip (in)	0.75	0.75	0.72	1.09	1.26	0.93	0.84	0.81	0.99	1.07	0.83	0.76	10.80
St Dev	0.62	0.69	0.42	0.79	0.71	0.79	0.62	0.72	0.89	0.75	0.64	0.75	2.67
Aridity Adj. (F)	0.40	0.38	0.54	0.74	1.10	1.36	1.14	1.12	1.14	1.04	0.72	0.48	0.85
Est. Dewpoint (F)	5.49	9.60	15.35	19.44	26.14	31.00	33.13	31.34	24.83	18.97	13.66	6.41	19.61
Rs (langley/day)	160	248	358	433	505	579	561	493	396	271	169	132	359
Wind (mpd)	84	84	112	133	128	114	102	102	100	98	95	84	103
Calc. Wind Limit (mpd)	96	96	116	128	130	114	104	96	96	96	96	96	105
.....Inches.....													
Alfalfa (Beef)					3.08	6.95	6.21	3.65	0.48				20.37
St Dev					0.77	0.68	1.51	2.09	0.96				3.88
Net Irr					2.07	6.21	5.54	3.00					16.82
Alfalfa (Dairy)					3.08	6.37	6.57	3.23	0.23				19.47
St Dev					0.77	0.57	0.52	2.13	0.47				2.81
Net Irr					2.07	5.63	5.90	2.58					16.18
Other Hay					3.31	7.70	8.03	3.07	0.57				22.68
St Dev					0.82	0.81	0.60	0.89	0.55				1.80
Net Irr					2.30	6.96	7.36	2.42					19.05
Pasture					2.32	5.06	5.98	4.59	0.92				18.87
St Dev					0.33	0.49	0.36	1.36	0.97				2.30
Net Irr					1.31	4.32	5.31	3.94	0.13				15.02
Spring Grain					1.33	5.02	8.89	4.56	0.11				19.91
St Dev					0.31	0.97	0.70	2.35	0.26				2.80
Net Irr					0.33	4.28	8.22	3.91					16.74

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for NWS Station: SAGE 4 NNW

Aridity Index: 20%, Temp. Adj. (F): -1.5, Period: 1971-2008, Lat: 41.87, Long: -111, Elev: 6210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	 Inches												
Garden						1.53	3.36	4.93	0.23				10.06
St Dev						0.16	0.21	0.48	0.53				1.02
Net Irr						0.79	2.69	4.28					7.77
Turfgrass					2.53	4.24	5.29	4.22	1.01				17.28
St Dev					0.33	0.41	0.31	1.19	1.00				2.07
Net Irr					1.52	3.50	4.62	3.57	0.22				13.43
Open Water Deep	0.50	0.38	0.88	1.75	2.65	3.24	4.21	4.06	2.76	2.24	1.20	0.58	24.45
St Dev	0.10	0.12	0.18	0.31	0.31	0.36	0.42	0.30	0.24	0.24	0.24	0.11	1.42
Net Evap			0.30	0.88	1.64	2.50	3.54	3.41	1.97	1.38	0.53		16.17
Open Water Shallow	0.50	0.75	1.89	3.04	4.12	4.82	5.31	4.71	3.38	2.11	0.93	0.47	32.03
St Dev	0.08	0.17	0.24	0.34	0.30	0.31	0.24	0.17	0.19	0.18	0.15	0.08	1.19
Net Evap		0.15	1.31	2.17	3.12	4.08	4.64	4.07	2.59	1.25	0.26		23.64
Wetlands Large						0.62	5.58	5.83	0.57				12.60
St Dev						0.53	1.18	2.12	1.15				3.18
Net ET							4.91	5.18					10.09
Wetlands Narrow						0.75	7.67	8.32	0.82				17.55
St Dev						0.67	1.76	3.02	1.64				4.53
Net ET						0.01	7.00	7.67	0.03				14.70
ETr	0.80	0.94	2.47	4.50	6.33	7.60	8.82	7.86	5.77	3.89	1.71	0.85	51.54
St Dev	0.16	0.32	0.38	0.69	0.66	0.71	0.52	0.42	0.47	0.54	0.41	0.17	2.68

All values are 38 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.



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