

UtahStateUniversity

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

APPENDIX J:

Updated Consumptive Use Estimates at EWS Sites

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

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

Final Report

APPENDIX J - Updated Consumptive Use Estimates at EWS Sites

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Prepared by

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

**Professor and Extension Irrigation Specialist, Graduate and Undergraduate Student Assistants
*Civil and Environmental Engineering
Utah State University
Logan, Utah 84322-4110***

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UPDATED CONSUMPTIVE USE ESTIMATES AT EWS SITES

Introduction

Tables of estimated monthly consumptive use or evaporation (ET) of 19 crops or land covers at 36 locations throughout the state of Utah and 12 within one degree latitude and longitude of its borders are included in this appendix (see Table J1 for explanation of lines in the output tables). These estimates were determined from daily and hourly time step datasets from 7 electronic weather station (EWS) networks by applying the ASCE Standardized Reference ET equation (ASCE St. Eq., ASCE-EWRI 2005). A total of 92 EWS sites were used to interpolate missing weather parameters of dewpoint depression, wind speed, and/or incident solar radiation for 246 National Weather Service (NWS) station sites included in the study area. The reason for the reduction in EWS sites from 92 to 48 is that not all were located in irrigated environments or their datasets did not contain all of the necessary parameters for the ASCE St. Eq. Preference to calculated ET and evaporation was given to the NWS sites as their period of record spanned 1971-2008 or 38 years whereas EWS sites have a shorter record, many with less than five years. The advantage of the EWS sites is the collection of temperature, humidity, wind speed, and solar radiation data, typical of irrigated agriculture and thus providing more accurate estimates. 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 matching the daily to the hourly by reducing the allowable wind run. These calculated wind run limits were then interpolated to the surrounding EWS sites that did not have hourly data to cap allowable wind.

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.

Table J1. Explanation of Consumptive Use Table Format

<u>Line</u>	<u>Description</u>
1.	Name of EWS site.
2.	Aridity index percent used to adjust the EWS 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 EWS 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. The estimated precipitation scaling was not applied on any EWS datasets; however, depending on the network the EWS station belonged to, monthly precipitation totals are most likely low due to data collection methods.
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. Monthly average daily dewpoint temperature in degrees Fahrenheit, estimated by pairing the maximum daily humidity with the minimum daily temperature and the minimum daily humidity with the maximum daily temperature.
13. Period monthly average incident solar radiation in langleys per day.
14. Monthly average daily wind run in miles per day.
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 those EWS sites that did not record hourly data.
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 records the number of years for which the EWS station was evaluated. It also defines the effective precipitation as 80 percent of the total monthly precipitation, 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.

Description of Crops and Land Covers

(For additional details see Appendix G)

Table J2. 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)

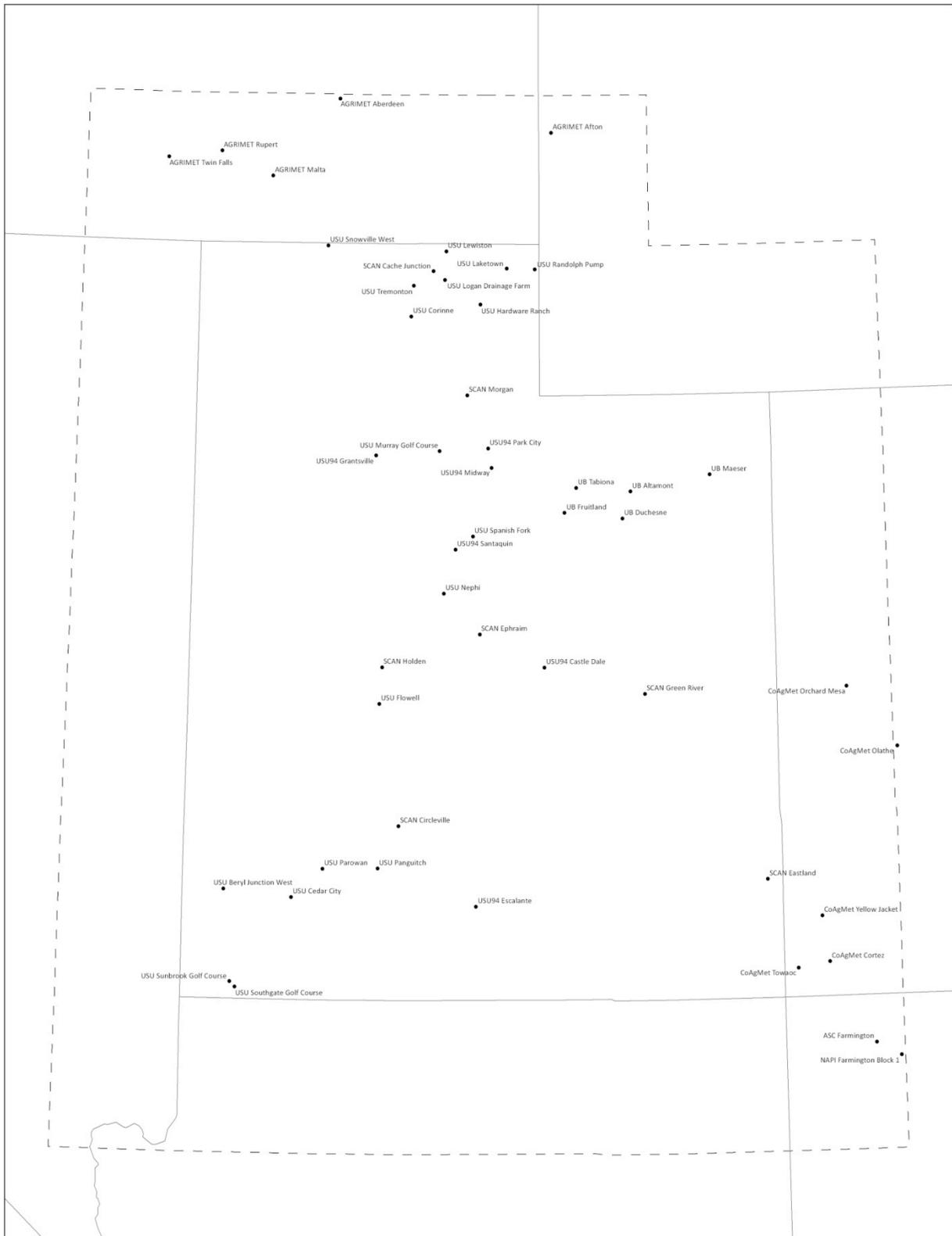


Figure J1. Locations of 48 EWS stations in Utah and in adjacent states within one degree latitude and longitude.

Notes

Estimated Consumptive Use for EWS: AGRIMET Aberdeen

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1992-2010, Lat: 42.95, Long: -112.83, Elev: 4400 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.24	27.13	37.52	45.10	54.14	60.80	68.19	66.96	57.95	46.31	33.68	24.48	45.54
St Dev	5.39	6.27	3.14	2.48	2.89	2.32	2.99	2.01	2.15	2.24	4.18	3.77	1.50
Precip (in)	0.70	0.58	0.69	0.87	0.98	1.01	0.45	0.35	0.65	0.81	0.52	0.75	8.35
St Dev	0.54	0.44	0.61	0.51	0.61	1.28	0.36	0.35	0.50	0.54	0.34	0.67	2.59
Aridity Adj. (F)													
Est. Dewpoint (F)	20.77	22.44	27.56	30.05	37.19	44.22	49.17	44.77	38.29	31.97	25.57	20.78	32.73
Rs (langleys/day)	157	254	368	463	573	628	652	575	452	301	183	132	395
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)				1.13	5.70	5.78	7.01	7.04	3.28	0.60			30.54
St Dev				0.83	0.91	0.93	0.78	0.48	1.13	0.65			2.85
Net Irr				0.43	4.92	4.97	6.65	6.76	2.76				26.50
Alfalfa (Dairy)				1.13	5.53	5.77	6.49	6.03	3.33	0.58			28.84
St Dev				0.83	0.75	0.74	0.54	0.44	0.90	0.59			2.69
Net Irr				0.43	4.74	4.96	6.13	5.75	2.80				24.82
Apples / Cherries				0.45	4.44	7.59	9.04	8.40	4.95	1.33	0.04		36.25
St Dev				0.52	0.96	1.09	0.73	0.53	0.53	0.72	0.11		3.26
Net Irr					3.66	6.78	8.68	8.13	4.43	0.68			32.36
Barley				0.63	3.93	7.60	6.05	0.21					18.42
St Dev				0.42	1.27	1.09	1.57	0.31					1.17
Net Irr					3.15	6.79	5.69						15.63
Corn					0.55	2.26	6.94	7.68	3.71	0.40			21.55
St Dev					0.32	0.79	1.27	0.44	0.80	0.53			1.83
Net Irr						1.45	6.58	7.41	3.19				18.63
Melon					0.51	3.13	5.63	5.22	2.01	0.09			16.58
St Dev					0.36	0.77	0.45	0.35	1.20	0.22			1.84
Net Irr						2.32	5.27	4.94	1.49				14.02
Onion				0.03	2.22	4.74	8.43	7.73	2.09	0.02			25.26
St Dev				0.12	0.72	0.94	0.72	0.70	1.39	0.06			2.46
Net Irr					1.44	3.93	8.08	7.45	1.57				22.46
Other Hay				1.14	6.08	7.56	5.07	2.86	1.32	0.12			24.15
St Dev				0.85	1.02	1.04	0.80	0.20	0.20	0.11			2.10
Net Irr				0.44	5.29	6.75	4.71	2.58	0.80				20.58
Other Orchard				0.44	4.19	7.10	8.35	7.75	4.49	1.25	0.04		33.60
St Dev				0.48	0.94	1.01	0.67	0.49	0.49	0.69	0.11		3.05
Net Irr					3.41	6.29	7.99	7.48	3.96	0.60			29.73
Pasture			0.01	1.21	4.22	5.10	5.91	5.50	3.45	1.03	0.06		26.50
St Dev			0.05	0.59	0.65	0.71	0.48	0.36	0.49	0.68	0.16		2.65
Net Irr				0.52	3.43	4.29	5.55	5.23	2.93	0.38			22.34
Potato					0.80	3.23	6.53	5.80	2.72	0.26			19.33
St Dev					0.42	0.98	0.64	0.33	0.78	0.43			1.36
Net Irr					0.02	2.42	6.17	5.52	2.20				16.32
Safflower					0.96	6.90	8.69	7.99	3.96	0.67			29.17
St Dev					1.00	1.17	0.70	0.50	0.87	0.49			2.92
Net Irr					0.17	6.09	8.34	7.71	3.44	0.02			25.77
Sorghum					0.68	3.08	7.15	7.29	3.67				21.87
St Dev					0.40	0.82	0.68	0.48	0.93				1.60
Net Irr						2.27	6.79	7.02	3.15				19.22

All values are 19 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Aberdeen

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1992-2010, Lat: 42.95, Long: -112.83, Elev: 4400 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.62	3.72	7.54	6.99	0.70					19.57
St Dev				0.40	1.23	1.11	1.33	0.62					1.18
Net Irr					2.94	6.73	6.63	0.43					16.73
Winter Wheat			0.38	1.39	4.31	7.53	4.43	0.11					18.16
St Dev			0.22	0.35	1.31	1.09	1.62	0.15					1.15
Net Irr				0.70	3.53	6.73	4.08						15.03
Garden				0.02	1.22	2.81	5.69	6.45	1.61	0.01			17.80
St Dev				0.09	0.39	0.56	0.69	0.47	0.85	0.03			1.49
Net Irr					0.44	2.00	5.33	6.17	1.09				15.03
Small Fruit					0.73	3.54	7.74	7.73	2.64	0.06			22.44
St Dev					0.42	0.88	0.78	0.57	1.61	0.15			2.47
Net Irr						2.73	7.38	7.46	2.12				19.69
Turfgrass			0.02	1.48	3.53	4.50	5.22	4.86	3.19	1.10	0.08		23.97
St Dev			0.09	0.49	0.56	0.62	0.42	0.32	0.34	0.65	0.19		2.33
Net Irr				0.78	2.74	3.69	4.86	4.59	2.67	0.45			19.78
Turfgrass Dixie			0.02	1.63	3.48	4.78	5.65	5.27	3.46	1.19	0.08		25.56
St Dev			0.10	0.52	0.55	0.68	0.46	0.35	0.37	0.70	0.20		2.49
Net Irr				0.94	2.69	3.97	5.29	4.99	2.94	0.54			21.36
Open Water Deep	0.76	0.84	1.32	1.96	2.85	3.16	3.71	4.34	2.70	2.05	1.26	0.86	25.80
St Dev	0.17	0.28	0.35	0.39	0.70	0.80	0.66	0.68	0.38	0.40	0.26	0.18	3.33
Net Evap	0.06	0.26	0.63	1.09	1.87	2.15	3.27	4.00	2.04	1.24	0.74	0.11	17.45
Open Water Shallow	0.58	1.03	2.37	3.48	4.84	5.31	6.06	5.55	3.90	2.27	0.98	0.49	36.85
St Dev	0.08	0.20	0.32	0.32	0.48	0.57	0.35	0.21	0.21	0.25	0.16	0.08	1.58
Net Evap		0.46	1.68	2.61	3.86	4.30	5.61	5.21	3.24	1.46	0.46		28.88
Wetlands Large					0.10	3.26	8.26	8.51	5.32	0.95			26.40
St Dev					0.27	1.21	0.90	0.56	0.88	0.98			3.07
Net ET						2.45	7.91	8.23	4.79	0.30			23.69
Wetlands Narrow					0.12	4.32	11.74	12.16	7.59	1.36			37.29
St Dev					0.33	1.71	1.31	0.80	1.26	1.39			4.36
Net ET						3.51	11.39	11.88	7.07	0.71			34.56
ETr	0.70	1.15	2.96	4.73	6.69	7.50	8.69	8.10	5.45	3.12	1.38	0.67	51.15
St Dev	0.17	0.33	0.60	0.57	0.95	1.04	0.70	0.53	0.45	0.51	0.33	0.17	3.70

All values are 19 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Afton

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1990-2010, Lat: 42.73, Long: -110.94, Elev: 6210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	16.91	19.98	29.54	39.13	48.00	55.30	63.44	62.31	53.54	42.01	29.01	17.92	39.76
St Dev	4.41	4.35	3.08	3.04	2.64	2.15	2.97	2.10	2.52	1.93	4.57	3.67	1.06
Precip (in)	1.31	1.16	1.48	1.65	2.30	1.72	1.03	1.11	1.27	1.53	1.24	1.41	17.20
St Dev	0.63	0.40	0.52	0.63	1.03	1.14	0.82	0.50	0.69	0.72	0.70	0.71	2.71
Aridity Adj. (F)													
Est. Dewpoint (F)	12.22	14.17	21.22	26.94	33.60	39.42	42.35	40.51	34.67	27.69	20.71	13.14	27.22
Rs (langley/day)	145	245	377	449	508	596	633	542	420	276	166	124	373
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)				0.15	3.36	5.10	6.08	4.50	1.95	0.04			21.18
St Dev				0.24	0.70	0.55	0.79	0.46	0.99	0.08			2.00
Net Irr					1.52	3.73	5.26	3.61	0.94				15.05
Alfalfa (Dairy)				0.15	3.36	4.56	5.43	4.65	1.68	0.03			19.87
St Dev				0.24	0.70	0.63	0.47	0.44	1.08	0.07			1.88
Net Irr					1.52	3.19	4.61	3.77	0.67				13.75
Apples / Cherries				0.01	2.26	5.53	7.47	6.58	3.93	0.61			26.39
St Dev				0.03	0.61	0.90	0.68	0.55	0.69	0.43			2.43
Net Irr					0.42	4.16	6.65	5.69	2.92				19.84
Barley				0.15	1.71	5.16	7.21	2.47	0.01				16.71
St Dev				0.12	0.54	1.01	0.62	1.09	0.05				0.90
Net Irr						3.78	6.39	1.58					11.76
Corn					0.08	1.22	3.92	6.02	2.34	0.07			13.65
St Dev					0.12	0.29	1.09	0.65	1.23	0.16			2.00
Net Irr							3.10	5.13	1.33				9.56
Melon					0.07	1.61	4.37	3.87	0.75	0.02			10.68
St Dev					0.11	0.51	0.48	0.59	0.80	0.05			1.70
Net Irr						0.23	3.55	2.98					6.76
Onion					0.80	3.18	6.36	5.40	0.72	0.01			16.47
St Dev					0.45	0.56	0.69	1.21	0.95	0.04			2.66
Net Irr						1.80	5.54	4.51					11.86
Other Hay				0.15	3.66	6.16	5.55	2.44	1.15	0.14			19.25
St Dev				0.24	0.71	0.88	0.72	0.20	0.19	0.10			1.63
Net Irr					1.82	4.79	4.73	1.56	0.13				13.02
Other Orchard				0.01	2.12	5.26	6.90	6.07	3.60	0.55			24.49
St Dev				0.04	0.58	0.83	0.63	0.50	0.62	0.39			2.24
Net Irr					0.28	3.88	6.08	5.18	2.58				18.00
Pasture				0.37	2.74	4.04	4.89	4.29	2.50	0.36			19.18
St Dev				0.22	0.43	0.58	0.44	0.35	0.52	0.28			1.77
Net Irr					0.90	2.66	4.06	3.41	1.48				12.51
Potato					0.20	1.50	4.37	4.88	1.81	0.06			12.82
St Dev					0.18	0.40	0.74	0.39	0.96	0.12			1.48
Net Irr						0.13	3.55	3.99	0.80				8.46
Safflower					0.09	4.03	7.18	6.25	2.83	0.26			20.64
St Dev					0.17	1.14	0.65	0.52	0.77	0.22			2.36
Net Irr						2.65	6.36	5.37	1.81				16.19
Sorghum					0.10	1.68	4.96	5.64	2.22	0.05			14.64
St Dev					0.16	0.46	0.75	0.46	1.19	0.12			1.67
Net Irr						0.31	4.14	4.75	1.20				10.40

All values are 21 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Afton

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1990-2010, Lat: 42.73, Long: -110.94, Elev: 6210 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.15	1.63	4.96	7.33	3.49	0.15				17.71
St Dev				0.12	0.50	1.01	0.64	1.07	0.18				0.97
Net Irr						3.59	6.51	2.60					12.70
Winter Wheat			0.09	0.87	1.85	5.07	6.89	1.68	0.02				16.48
St Dev			0.08	0.13	0.55	1.11	0.70	0.94	0.05				0.88
Net Irr					0.01	3.70	6.07	0.80					10.57
Garden					0.47	1.83	3.90	4.77	0.82	0.01			11.79
St Dev					0.23	0.35	0.52	0.78	0.83	0.03			1.90
Net Irr						0.45	3.08	3.88					7.41
Small Fruit					0.16	1.89	5.42	5.89	1.15	0.02			14.53
St Dev					0.15	0.53	0.74	0.81	1.16	0.07			2.11
Net Irr						0.52	4.60	5.00	0.13				10.25
Turfgrass				0.54	2.40	3.52	4.31	3.79	2.37	0.43			17.37
St Dev				0.27	0.35	0.51	0.39	0.32	0.43	0.31			1.57
Net Irr					0.56	2.14	3.49	2.91	1.35				10.46
Turfgrass Dixie				0.60	2.48	3.60	4.67	4.11	2.57	0.46			18.49
St Dev				0.30	0.36	0.54	0.42	0.34	0.47	0.34			1.67
Net Irr					0.64	2.22	3.85	3.22	1.55				11.49
Open Water Deep	0.32	0.29	0.44	0.84	1.32	1.49	2.09	2.35	1.47	1.12	0.55	0.35	12.62
St Dev	0.09	0.12	0.17	0.24	0.32	0.47	0.53	0.57	0.41	0.38	0.19	0.13	2.54
Net Evap							1.06	1.25	0.20				2.51
Open Water Shallow	0.46	0.85	1.95	2.90	3.89	4.60	5.48	4.85	3.35	1.92	0.79	0.41	31.46
St Dev	0.07	0.09	0.21	0.25	0.51	0.54	0.40	0.22	0.25	0.24	0.16	0.06	1.29
Net Evap			0.47	1.25	1.59	2.89	4.46	3.75	2.08	0.39			16.86
Wetlands Large						1.24	5.68	6.58	2.60	0.09			16.20
St Dev						0.70	0.99	0.54	1.42	0.19			2.11
Net ET							4.86	5.70	1.59				12.15
Wetlands Narrow						1.57	7.96	9.40	3.72	0.12			22.77
St Dev						0.94	1.46	0.77	2.02	0.27			3.00
Net ET						0.19	7.14	8.52	2.71				18.55
ETr	0.51	0.87	2.06	3.43	4.94	5.94	7.19	6.32	4.15	2.32	0.88	0.47	39.07
St Dev	0.08	0.13	0.27	0.41	0.71	0.85	0.65	0.53	0.47	0.42	0.18	0.09	2.79

All values are 21 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Malta

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1990-2010, Lat: 42.44, Long: -113.41, Elev: 4410 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.24	31.57	39.35	45.13	53.07	60.57	68.79	67.60	58.54	47.01	35.28	27.18	46.86
St Dev	4.87	4.58	2.41	2.78	2.62	2.22	3.07	1.94	2.30	2.28	4.14	4.02	1.14
Precip (in)	0.67	0.47	0.98	1.58	1.61	1.29	0.60	0.69	0.60	0.96	0.78	1.15	11.38
St Dev	0.65	0.27	1.45	1.77	1.46	1.48	0.64	0.59	0.46	1.11	0.67	1.20	5.21
Aridity Adj. (F)													
Est. Dewpoint (F)	21.83	24.10	26.96	30.59	37.53	42.18	44.72	42.73	37.55	30.91	25.51	20.93	32.13
Rs (langley/day)	175	261	372	476	564	626	635	553	446	306	193	146	396
Wind (mpd)	174	160	185	204	153	134	109	105	122	141	151	162	150
Calc. Wind Limit (mpd)	132	132	132	132	132	116	99	98	101	114	132	96	118
	.....Inches.....												
Alfalfa (Beef)				1.74	5.59	5.83	7.13	6.96	2.14	0.12			29.51
St Dev				0.74	0.85	1.08	0.78	0.64	1.61	0.24			2.93
Net Irr				0.48	4.30	4.79	6.65	6.41	1.66				24.29
Alfalfa (Dairy)				1.74	5.35	5.77	6.74	5.88	2.04	0.10			27.61
St Dev				0.74	0.68	0.81	0.63	0.51	1.36	0.20			2.73
Net Irr				0.48	4.05	4.74	6.26	5.32	1.56				22.41
Apples / Cherries				0.02	3.71	7.43	9.37	8.43	5.07	0.82			34.83
St Dev				0.04	0.59	1.11	0.83	0.61	0.78	0.83			2.97
Net Irr					2.42	6.39	8.89	7.87	4.59	0.05			30.21
Barley				0.90	4.04	7.67	5.96	0.14					18.72
St Dev				0.40	1.19	1.19	1.49	0.25					1.36
Net Irr					2.75	6.64	5.48						14.87
Corn					0.70	2.56	7.60	7.48	2.50	0.06			20.91
St Dev					0.30	0.97	1.32	0.54	1.31	0.14			2.25
Net Irr						1.53	7.13	6.93	2.02				17.61
Melon					0.69	3.61	5.85	4.81	0.94	0.02			15.92
St Dev					0.37	0.82	0.52	1.02	1.03	0.08			2.42
Net Irr						2.58	5.38	4.26	0.46				12.68
Onion					2.46	5.12	8.90	6.74	0.89				24.10
St Dev					0.53	0.94	0.82	1.67	1.01				3.40
Net Irr					1.17	4.08	8.43	6.18	0.41				20.27
Other Hay				1.82	6.13	7.21	4.46	2.70	1.17	0.05			23.53
St Dev				0.79	0.99	1.04	0.64	0.21	0.22	0.07			2.23
Net Irr				0.56	4.84	6.17	3.98	2.15	0.69				18.39
Other Orchard				0.02	3.49	6.99	8.65	7.78	4.61	0.74			32.28
St Dev				0.04	0.55	1.05	0.77	0.56	0.71	0.76			2.76
Net Irr					2.20	5.96	8.17	7.22	4.13				27.68
Pasture			0.01	1.69	4.16	5.11	6.13	5.49	3.22	0.52			26.32
St Dev			0.03	0.47	0.64	0.77	0.55	0.39	0.69	0.59			2.55
Net Irr				0.43	2.87	4.08	5.65	4.93	2.74				20.69
Potato					0.91	3.42	6.82	5.68	1.90	0.04			18.77
St Dev					0.33	1.01	0.70	0.39	1.05	0.09			1.76
Net Irr						2.39	6.34	5.12	1.43				15.28
Safflower					1.44	7.29	9.01	7.78	3.27	0.29			29.08
St Dev					1.05	1.20	0.80	0.57	1.00	0.30			2.99
Net Irr					0.15	6.26	8.53	7.23	2.79				24.96
Sorghum					0.88	3.59	7.71	7.23	2.53				21.93
St Dev					0.38	0.95	0.75	0.51	1.26				2.07
Net Irr						2.56	7.23	6.67	2.05				18.51

All values are 21 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Malta

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1990-2010, Lat: 42.44, Long: -113.41, Elev: 4410 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.87	3.83	7.62	7.00	0.54					19.87
St Dev				0.38	1.17	1.21	1.27	0.55					1.34
Net Irr					2.54	6.59	6.53						15.65
Winter Wheat			0.64	1.51	4.42	7.59	4.20	0.08					18.44
St Dev			0.21	0.33	1.26	1.14	1.63	0.11					1.32
Net Irr				0.25	3.13	6.56	3.72						13.66
Garden					1.34	3.03	6.25	5.88	0.69				17.19
St Dev					0.30	0.55	0.68	1.19	0.67				2.29
Net Irr					0.05	1.99	5.77	5.32	0.21				13.35
Small Fruit					0.87	4.00	8.33	6.96	1.23				21.39
St Dev					0.35	0.95	0.83	1.52	1.37				3.33
Net Irr						2.97	7.85	6.41	0.75				17.98
Turfgrass			0.02	1.87	3.49	4.51	5.41	4.86	3.13	0.62			23.91
St Dev			0.05	0.40	0.55	0.68	0.48	0.35	0.51	0.65			2.28
Net Irr				0.61	2.20	3.47	4.93	4.31	2.66				18.17
Turfgrass Dixie			0.02	2.05	3.40	4.86	5.86	5.27	3.40	0.67			25.53
St Dev			0.05	0.42	0.54	0.75	0.52	0.38	0.56	0.70			2.43
Net Irr				0.79	2.11	3.83	5.38	4.71	2.92				19.74
Open Water Deep	1.31	1.16	1.68	1.89	2.41	3.00	4.09	4.35	2.80	2.49	1.68	0.97	27.82
St Dev	0.41	0.38	0.35	0.32	0.69	0.95	0.86	0.79	0.42	0.59	0.42	0.22	4.12
Net Evap	0.64	0.68	0.71	0.31	0.80	1.71	3.49	3.65	2.20	1.54	0.90		16.63
Open Water Shallow	0.84	1.28	2.58	3.52	4.62	5.25	6.02	5.43	3.91	2.42	1.14	0.65	37.67
St Dev	0.13	0.22	0.29	0.28	0.52	0.55	0.37	0.23	0.23	0.26	0.16	0.10	1.68
Net Evap	0.16	0.80	1.60	1.95	3.01	3.95	5.43	4.74	3.31	1.47	0.36		26.80
Wetlands Large					0.19	3.99	8.95	8.43	3.82	0.21			25.61
St Dev					0.35	1.24	0.91	0.60	2.02	0.40			3.30
Net ET						2.96	8.47	7.88	3.35				22.66
Wetlands Narrow					0.22	5.38	12.76	12.05	5.46	0.31			36.18
St Dev					0.43	1.78	1.31	0.85	2.89	0.58			4.69
Net ET						4.35	12.28	11.49	4.99				33.11
ETr	1.21	1.62	3.50	4.75	6.32	7.51	9.01	8.10	5.64	3.62	1.78	0.96	54.01
St Dev	0.36	0.45	0.55	0.49	0.97	1.14	0.80	0.58	0.47	0.63	0.43	0.23	4.18

All values are 21 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Rupert

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1990-2010, Lat: 42.6, Long: -113.87, Elev: 4155 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.93	31.43	39.95	46.03	54.39	61.38	69.38	67.99	59.42	47.74	36.07	27.50	47.43
St Dev	4.78	5.06	2.60	2.68	2.96	2.10	2.90	2.09	2.38	2.21	4.15	4.08	1.23
Precip (in)	0.75	0.43	0.80	1.07	1.42	0.77	0.19	0.40	0.53	0.78	0.80	1.00	8.94
St Dev	0.70	0.36	0.60	0.65	1.23	0.81	0.18	0.42	0.58	0.78	0.74	0.89	3.22
Aridity Adj. (F)													
Est. Dewpoint (F)	22.72	24.64	28.32	31.07	38.42	44.93	50.29	46.71	40.59	32.77	27.04	22.36	34.15
Rs (langley/day)	162	253	364	474	577	639	654	570	453	309	186	135	398
Wind (mpd)	177	176	190	205	175	143	103	102	114	145	157	174	155
Calc. Wind Limit (mpd)	116	132	132	132	132	132	121	118	125	132	116	121	126
	.....Inches.....												
Alfalfa (Beef)				1.57	5.73	5.80	6.81	6.93	4.12	0.95			31.92
St Dev				0.79	0.86	0.87	0.68	0.76	0.93	0.75			2.90
Net Irr				0.72	4.60	5.19	6.66	6.61	3.70	0.33			27.80
Alfalfa (Dairy)				1.57	5.45	5.76	6.54	5.89	3.85	0.84			29.90
St Dev				0.79	0.69	0.66	0.52	0.60	0.73	0.72			2.79
Net Irr				0.72	4.32	5.15	6.38	5.57	3.42	0.21			25.78
Apples / Cherries				0.76	4.69	7.68	9.05	8.20	5.09	1.94	0.05		37.46
St Dev				0.52	0.87	0.97	0.71	0.81	0.63	0.59	0.11		3.00
Net Irr					3.55	7.07	8.89	7.89	4.67	1.32			33.38
Barley			0.01	0.84	4.24	7.64	5.25	0.07					18.06
St Dev			0.03	0.43	1.19	0.96	1.58	0.15					1.05
Net Irr					3.11	7.02	5.10						15.23
Corn					0.65	2.39	7.21	7.43	3.63	0.42			21.72
St Dev					0.31	0.82	1.08	0.71	0.93	0.54			1.69
Net Irr						1.78	7.05	7.11	3.21				19.15
Melon					0.62	3.39	5.65	5.12	3.00	0.15			17.93
St Dev					0.37	0.70	0.44	0.53	1.03	0.29			1.75
Net Irr						2.78	5.49	4.80	2.58				15.65
Onion				0.04	2.47	5.04	8.55	7.72	3.02				26.83
St Dev				0.16	0.64	0.89	0.68	0.97	1.24				2.30
Net Irr					1.33	4.42	8.40	7.40	2.60				24.15
Other Hay				1.61	6.20	7.34	4.54	2.70	1.29	0.08			23.77
St Dev				0.82	0.93	0.97	0.76	0.30	0.25	0.10			2.07
Net Irr				0.75	5.07	6.73	4.38	2.38	0.87				20.18
Other Orchard				0.72	4.45	7.15	8.35	7.56	4.60	1.86	0.05		34.74
St Dev				0.48	0.85	0.90	0.65	0.75	0.57	0.58	0.11		2.80
Net Irr					3.31	6.54	8.20	7.24	4.18	1.24			30.70
Pasture			0.02	1.58	4.25	5.09	5.92	5.40	3.75	1.58	0.09		27.68
St Dev			0.08	0.56	0.62	0.64	0.46	0.53	0.43	0.61	0.19		2.37
Net Irr				0.73	3.12	4.48	5.76	5.08	3.33	0.96			23.45
Potato				0.01	0.90	3.45	6.61	5.54	2.38	0.20			19.09
St Dev				0.04	0.40	0.90	0.55	0.52	0.97	0.37			1.29
Net Irr						2.84	6.46	5.22	1.95				16.47
Safflower					1.24	7.12	8.70	7.88	4.43	1.01			30.38
St Dev					1.05	0.99	0.68	0.78	0.66	0.47			2.50
Net Irr					0.10	6.51	8.55	7.56	4.01	0.38			27.10
Sorghum					0.81	3.35	7.34	7.15	3.52				22.16
St Dev					0.39	0.79	0.61	0.70	1.05				1.65
Net Irr						2.74	7.19	6.83	3.09				19.84

All values are 21 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Rupert

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1990-2010, Lat: 42.6, Long: -113.87, Elev: 4155 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.01	0.82	4.03	7.62	6.29	0.37					19.14
St Dev			0.03	0.40	1.16	0.97	1.38	0.39					1.03
Net Irr					2.89	7.01	6.14	0.05					16.09
Winter Wheat			0.56	1.56	4.73	7.52	3.46	0.04					17.86
St Dev			0.21	0.37	1.23	0.96	1.57	0.08					1.04
Net Irr				0.70	3.59	6.90	3.30						14.50
Garden				0.02	1.36	2.98	5.98	6.22	1.96				18.52
St Dev				0.10	0.36	0.53	0.66	0.72	0.79				1.48
Net Irr					0.22	2.37	5.83	5.90	1.53				15.84
Small Fruit				0.01	0.84	3.83	7.96	7.63	3.91	0.06			24.23
St Dev				0.03	0.40	0.83	0.71	0.87	1.39	0.15			2.38
Net Irr						3.22	7.81	7.31	3.48				21.81
Turfgrass			0.03	1.79	3.56	4.49	5.22	4.76	3.40	1.67	0.11		25.03
St Dev			0.12	0.45	0.53	0.56	0.41	0.46	0.39	0.54	0.23		2.09
Net Irr				0.93	2.42	3.88	5.07	4.44	2.97	1.05			20.77
Turfgrass Dixie			0.03	1.96	3.48	4.83	5.65	5.16	3.68	1.81	0.12		26.73
St Dev			0.13	0.46	0.54	0.61	0.44	0.50	0.42	0.58	0.25		2.23
Net Irr				1.11	2.34	4.21	5.50	4.84	3.26	1.19			22.45
Open Water Deep	1.12	1.16	1.64	2.03	2.71	3.08	3.77	4.28	3.02	2.79	1.65	1.12	28.36
St Dev	0.22	0.32	0.33	0.34	0.67	0.71	0.78	1.07	0.69	0.61	0.42	0.18	3.92
Net Evap	0.36	0.73	0.84	0.96	1.29	2.31	3.58	3.88	2.49	2.01	0.85	0.12	19.43
Open Water Shallow	0.73	1.22	2.53	3.58	4.83	5.38	6.14	5.55	4.02	2.48	1.10	0.60	38.16
St Dev	0.11	0.23	0.33	0.31	0.58	0.55	0.30	0.27	0.24	0.25	0.18	0.09	1.58
Net Evap		0.79	1.73	2.51	3.41	4.62	5.94	5.15	3.49	1.70	0.31		29.65
Wetlands Large					0.14	3.63	8.50	8.34	5.71	1.52			27.85
St Dev					0.32	1.06	0.76	0.81	0.85	1.27			3.26
Net ET						3.02	8.35	8.02	5.29	0.89			25.57
Wetlands Narrow					0.16	4.85	12.11	11.91	8.16	2.17			39.37
St Dev					0.39	1.52	1.10	1.16	1.21	1.81			4.63
Net ET						4.24	11.96	11.59	7.73	1.55			37.07
ETr	0.97	1.48	3.33	4.82	6.53	7.49	8.70	7.94	5.67	3.65	1.66	0.89	53.13
St Dev	0.26	0.45	0.54	0.53	0.97	0.94	0.68	0.77	0.64	0.62	0.43	0.21	3.53

All values are 21 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Twin Falls

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1992-2010, Lat: 42.55, Long: -114.35, Elev: 3920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.42	33.52	41.77	47.20	56.03	63.10	71.14	69.26	60.81	49.50	37.77	30.05	49.21
St Dev	4.53	4.46	2.71	2.52	2.95	2.26	3.16	1.92	2.08	2.25	4.19	3.24	1.23
Precip (in)	1.15	0.73	0.92	1.27	1.30	0.87	0.26	0.28	0.36	0.79	0.86	1.50	10.31
St Dev	0.76	0.43	0.69	0.63	1.16	0.88	0.24	0.35	0.32	0.53	0.51	0.93	3.09
Aridity Adj. (F)													
Est. Dewpoint (F)	24.27	25.84	28.64	31.86	38.95	44.25	49.26	47.63	40.68	33.58	27.81	24.07	34.74
Rs (langleys/day)	161	251	362	474	587	643	663	578	460	311	188	135	401
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)				1.83	5.97	6.12	6.84	6.62	4.74	1.52	0.03		33.69
St Dev				0.76	0.73	0.95	0.53	0.47	0.53	0.75	0.08		1.89
Net Irr				0.82	4.93	5.43	6.63	6.39	4.45	0.89			29.55
Alfalfa (Dairy)				1.83	5.53	5.93	6.76	5.86	4.15	1.51	0.07		31.66
St Dev				0.76	0.64	0.65	0.42	0.36	0.33	0.77	0.22		1.70
Net Irr				0.82	4.49	5.24	6.55	5.63	3.86	0.88			27.47
Apples / Cherries				0.92	5.06	7.92	9.29	8.07	5.00	2.27	0.02		38.56
St Dev				0.52	0.87	1.03	0.60	0.41	0.40	0.41	0.05		2.10
Net Irr					4.02	7.23	9.08	7.85	4.71	1.64			34.52
Barley			0.01	0.97	4.84	7.83	4.21	0.01					17.87
St Dev			0.03	0.43	1.15	1.01	1.59	0.03					0.89
Net Irr					3.80	7.13	4.01						14.94
Corn					0.76	2.78	7.84	7.00	2.85	0.37			21.59
St Dev					0.30	0.91	0.92	0.47	1.18	0.54			0.80
Net Irr						2.09	7.63	6.77	2.56				19.04
Melon					0.74	3.69	5.80	5.09	3.30	0.16			18.78
St Dev					0.36	0.68	0.37	0.26	0.58	0.25			0.99
Net Irr						3.00	5.59	4.86	3.01				16.47
Onion				0.04	2.76	5.39	8.85	7.70	2.99				27.73
St Dev				0.16	0.59	0.93	0.59	0.40	0.86				1.24
Net Irr					1.72	4.70	8.64	7.47	2.70				25.23
Other Hay				1.86	6.55	7.42	4.44	2.62	1.23	0.05			24.17
St Dev				0.78	0.90	0.97	0.57	0.16	0.22	0.07			1.61
Net Irr				0.84	5.51	6.73	4.23	2.39	0.94				20.64
Other Orchard				0.87	4.81	7.36	8.57	7.44	4.52	2.21	0.02		35.79
St Dev				0.48	0.84	0.95	0.55	0.37	0.36	0.39	0.05		1.97
Net Irr					3.77	6.67	8.36	7.21	4.23	1.58			31.81
Pasture			0.02	1.78	4.46	5.23	6.07	5.33	3.80	1.99	0.21		28.89
St Dev			0.09	0.52	0.59	0.66	0.39	0.27	0.26	0.39	0.35		1.83
Net Irr				0.77	3.42	4.54	5.86	5.10	3.51	1.35			24.55
Potato				0.01	1.05	4.03	6.85	5.15	1.48	0.08			18.65
St Dev				0.04	0.44	0.96	0.45	0.40	1.09	0.30			0.75
Net Irr					0.02	3.34	6.64	4.92	1.19				16.10
Safflower					1.55	7.47	8.93	7.78	4.55	1.17			31.45
St Dev					1.03	1.01	0.57	0.39	0.47	0.36			1.64
Net Irr					0.51	6.78	8.72	7.55	4.26	0.53			28.36
Sorghum					0.94	3.65	7.66	7.05	3.18				22.48
St Dev					0.37	0.78	0.50	0.36	0.83				1.00
Net Irr						2.96	7.45	6.82	2.89				20.12

All values are 19 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: AGRIMET Twin Falls

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1992-2010, Lat: 42.55, Long: -114.35, Elev: 3920 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.01	0.94	4.61	7.87	5.42	0.11					18.96
St Dev			0.03	0.40	1.14	1.01	1.48	0.19					0.97
Net Irr					3.58	7.17	5.21						15.96
Winter Wheat			0.65	1.73	5.45	7.44	2.28						17.55
St Dev			0.21	0.48	1.18	1.06	1.33						0.91
Net Irr				0.72	4.41	6.75	2.07						13.94
Garden				0.03	1.51	3.19	6.31	6.08	1.83				18.95
St Dev				0.11	0.34	0.54	0.56	0.36	0.57				0.84
Net Irr					0.48	2.50	6.10	5.85	1.54				16.46
Small Fruit				0.01	0.98	4.14	8.29	7.58	4.13	0.08			25.20
St Dev				0.03	0.41	0.86	0.59	0.37	0.87	0.17			1.20
Net Irr						3.45	8.08	7.35	3.84				22.72
Turfgrass			0.04	1.94	3.74	4.61	5.36	4.70	3.39	2.02	0.24		26.05
St Dev			0.13	0.40	0.51	0.59	0.34	0.24	0.22	0.32	0.39		1.62
Net Irr				0.93	2.70	3.92	5.15	4.47	3.10	1.39			21.66
Turfgrass Dixie			0.04	2.13	3.65	4.98	5.80	5.09	3.68	2.19	0.27		27.83
St Dev			0.15	0.41	0.52	0.64	0.37	0.26	0.24	0.34	0.43		1.74
Net Irr				1.11	2.61	4.28	5.59	4.86	3.39	1.56			23.41
Open Water Deep	1.12	1.26	1.82	2.04	2.85	3.27	4.09	4.15	3.02	2.58	1.56	1.03	28.80
St Dev	0.23	0.27	0.36	0.29	0.62	0.77	0.55	0.44	0.33	0.48	0.40	0.17	2.21
Net Evap		0.53	0.90	0.78	1.55	2.41	3.83	3.87	2.66	1.79	0.70		19.00
Open Water Shallow	0.79	1.29	2.65	3.63	5.00	5.52	6.33	5.64	4.12	2.53	1.15	0.64	39.29
St Dev	0.10	0.19	0.34	0.29	0.52	0.54	0.32	0.20	0.19	0.26	0.18	0.07	1.34
Net Evap		0.56	1.72	2.36	3.70	4.66	6.06	5.36	3.75	1.73	0.29		30.20
Wetlands Large					0.20	4.10	8.90	8.22	5.88	2.61	0.11		30.03
St Dev					0.34	1.01	0.59	0.42	0.48	1.10	0.29		2.09
Net ET						3.41	8.69	8.00	5.58	1.98			27.66
Wetlands Narrow					0.23	5.52	12.69	11.75	8.39	3.73	0.16		42.49
St Dev					0.43	1.45	0.85	0.59	0.69	1.58	0.42		2.98
Net ET						4.83	12.48	11.52	8.10	3.10			40.04
ETr	1.05	1.61	3.56	4.86	6.76	7.69	8.93	7.83	5.66	3.54	1.67	0.91	54.06
St Dev	0.22	0.34	0.55	0.47	0.88	0.98	0.57	0.40	0.37	0.51	0.41	0.17	2.50

All values are 19 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: ASC Farmington

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1986-2010, Lat: 36.68, Long: -108.31, Elev: 5650 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.42	36.43	43.55	50.84	60.47	70.01	75.28	72.68	65.26	53.14	40.35	30.86	52.44
St Dev	3.99	2.71	2.78	2.38	2.28	2.40	2.63	2.36	2.37	1.66	2.95	3.09	0.93
Precip (in)	4.96	5.31	5.63	2.80	3.77	3.94	4.97	4.25	4.05	3.12	5.94	6.16	54.90
St Dev	9.43	9.20	10.08	6.12	7.24	10.31	10.44	7.92	7.23	5.06	12.45	12.10	84.48
Aridity Adj. (F)													
Est. Dewpoint (F)	16.56	19.06	18.13	20.44	26.19	30.89	41.97	45.37	38.00	28.80	21.27	17.04	26.98
Rs (langley/day)	240	315	436	544	636	669	634	554	486	371	264	220	447
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)			0.46	5.35	7.33	9.29	8.13	5.77	4.54	1.76	0.04		42.66
St Dev			0.38	0.71	0.61	0.97	1.10	1.55	1.94	1.47	0.15		4.36
Net Irr				3.11	4.31	6.13	4.15	2.37	1.31				21.38
Alfalfa (Dairy)			0.46	5.35	7.17	7.70	7.29	5.86	4.21	1.67	0.04		39.75
St Dev			0.38	0.71	0.65	0.71	0.94	1.46	1.77	1.30	0.16		4.36
Net Irr				3.11	4.15	4.54	3.32	2.46	0.97				18.55
Apples / Cherries				2.38	8.11	10.91	10.32	8.03	4.65	1.83			46.24
St Dev				0.29	0.75	1.00	1.01	1.81	1.97	1.04			4.50
Net Irr				0.14	5.10	7.75	6.35	4.63	1.41				25.38
Barley			0.35	3.10	9.00	8.73	0.50						21.69
St Dev			0.18	0.63	1.05	1.11	0.50						1.47
Net Irr				0.86	5.99	5.58							12.43
Corn				0.18	2.31	7.83	9.30	3.29					22.90
St Dev				0.16	0.43	1.23	0.85	1.22					1.61
Net Irr						4.67	5.33						10.00
Melon				0.15	2.89	6.64	6.45	5.14	2.03				23.30
St Dev				0.13	0.53	0.66	0.63	1.17	0.94				2.07
Net Irr						3.48	2.48	1.74					7.69
Onion				1.23	5.02	9.55	9.89	6.81	0.83				33.33
St Dev				0.27	0.48	0.93	0.98	1.66	0.40				2.68
Net Irr					2.01	6.39	5.91	3.41					17.72
Other Hay			0.46	5.68	9.74	7.38	3.74	2.19	0.53				29.72
St Dev			0.39	0.71	0.87	0.96	0.37	0.50	0.29				2.04
Net Irr				3.45	6.72	4.23							14.39
Other Orchard				2.21	7.76	10.07	9.53	7.37	4.21	1.83			42.98
St Dev				0.27	0.71	0.93	0.93	1.66	1.79	1.04			4.16
Net Irr					4.75	6.91	5.55	3.97	0.97				22.15
Pasture			0.74	4.12	6.39	7.13	6.72	5.30	3.68	1.81	0.18		36.06
St Dev			0.27	0.45	0.57	0.66	0.66	1.31	1.60	1.11	0.35		3.76
Net Irr				1.88	3.37	3.98	2.75	1.90	0.44				14.31
Potato				0.41	3.05	7.61	7.09	2.26					20.41
St Dev				0.17	0.60	0.84	0.66	1.00					1.32
Net Irr					0.03	4.45	3.11						7.60
Safflower				0.19	7.10	10.49	9.76	7.04	3.09	0.20			37.88
St Dev				0.17	1.16	0.96	1.05	2.07	1.42	0.19			3.88
Net Irr					4.09	7.33	5.79	3.64					20.85
Sorghum				0.22	2.95	7.85	8.93	6.88	0.27				27.10
St Dev				0.19	0.45	0.95	0.87	1.58	0.41				2.26
Net Irr						4.69	4.95	3.47					13.12

All values are 24 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: ASC Farmington

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1986-2010, Lat: 36.68, Long: -108.31, Elev: 5650 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.35	2.95	8.81	9.51	1.21						22.84
St Dev			0.17	0.59	1.07	0.96	0.73						1.53
Net Irr				0.71	5.79	6.36							12.87
Winter Wheat		0.16	1.39	3.64	9.21	6.76	0.22						21.38
St Dev		0.13	0.24	0.70	0.98	1.41	0.23						1.40
Net Irr				1.40	6.19	3.60							11.20
Garden				0.71	2.90	5.84	8.06	4.79	0.43				22.72
St Dev				0.14	0.29	0.60	0.80	1.04	0.21				1.78
Net Irr					2.68	4.08	1.38						8.14
Small Fruit				0.33	3.27	8.44	9.83	7.16	1.81				30.84
St Dev				0.15	0.56	0.99	0.96	1.66	0.91				2.71
Net Irr					0.25	5.28	5.86	3.76					15.15
Turfgrass			1.05	3.51	5.59	6.29	5.96	4.74	3.37	1.89	0.19		32.60
St Dev			0.33	0.35	0.50	0.58	0.58	1.08	1.44	1.11	0.37		3.26
Net Irr				1.27	2.58	3.14	1.98	1.34	0.13				10.44
Turfgrass Dixie			1.17	3.57	5.77	6.82	6.45	5.14	3.65	2.05	0.24		34.86
St Dev			0.37	0.35	0.54	0.63	0.63	1.17	1.56	1.21	0.46		3.57
Net Irr				1.33	2.75	3.66	2.48	1.74	0.42				12.37
Open Water Deep	1.35	1.66	2.71	3.76	5.46	6.92	6.34	5.61	4.16	3.27	2.13	1.36	44.73
St Dev	0.46	0.41	0.56	0.57	0.79	1.24	1.26	1.08	0.87	0.70	0.52	0.33	5.84
Net Evap				0.96	1.69	2.98	1.37	1.36	0.12	0.15			8.62
Open Water Shallow	1.37	1.96	3.52	4.75	6.14	6.61	6.63	5.90	4.79	3.32	1.88	1.27	48.14
St Dev	0.25	0.24	0.38	0.42	0.49	0.48	0.50	0.38	0.37	0.39	0.33	0.29	1.73
Net Evap				1.95	2.37	2.66	1.66	1.64	0.74	0.20			11.23
Wetlands Large					2.49	9.13	10.42	8.30	5.90	2.30	0.09		38.64
St Dev					0.71	1.05	1.02	1.89	2.52	1.78	0.35		5.46
Net ET						5.98	6.45	4.90	2.66				19.99
Wetlands Narrow					3.19	12.89	14.89	11.86	8.43	3.29	0.12		54.68
St Dev					0.95	1.52	1.46	2.70	3.60	2.55	0.51		7.80
Net ET					0.17	9.74	10.91	8.46	5.19	0.80			35.27
ETr	1.88	2.72	5.12	7.09	9.39	10.49	9.93	8.40	6.60	4.61	2.72	1.80	70.75
St Dev	0.51	0.50	0.67	0.70	0.83	0.96	0.97	0.72	0.71	0.68	0.55	0.45	4.40

All values are 24 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Cortez

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1992-2009, Lat: 37.22, Long: -108.67, Elev: 6015 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.11	34.90	42.22	48.05	56.68	65.10	71.93	70.29	61.64	50.35	38.73	29.51	49.96
St Dev	3.96	2.91	2.31	2.60	2.09	2.24	1.97	1.70	2.02	1.69	2.50	2.31	0.66
Precip (in)	0.67	0.65	0.54	0.88	0.78	0.29	1.04	1.76	1.23	1.03	0.78	0.46	10.12
St Dev	0.71	0.71	0.68	0.87	0.80	0.29	1.22	2.13	0.93	0.95	0.83	0.53	2.78
Aridity Adj. (F)													
Est. Dewpoint (F)	17.43	18.21	19.67	22.65	30.48	32.93	44.91	46.85	38.81	28.63	21.24	15.90	28.14
Rs (langleys/day)	241	311	438	540	626	694	638	557	492	371	270	216	450
Wind (mpd)	93	104	114	121	92	86	77	74	76	87	89	90	92
Calc. Wind Limit (mpd)	96	96	96	117	96	96	96	96	96	96	96	96	98
	.....Inches.....												
Alfalfa (Beef)			0.29	4.42	6.23	7.96	6.54	5.76	4.86	0.76			36.83
St Dev			0.26	0.56	0.54	0.86	0.46	0.57	0.61	0.61			2.32
Net Irr				3.71	5.61	7.73	5.70	4.35	3.88				30.99
Alfalfa (Dairy)			0.29	4.42	5.72	6.51	6.65	5.72	4.21	1.12			34.65
St Dev			0.26	0.56	0.52	0.55	0.49	0.51	0.47	1.03			2.29
Net Irr				3.71	5.10	6.28	5.81	4.31	3.23	0.30			28.74
Apples / Cherries				1.61	6.02	9.16	9.09	7.73	4.98	1.86			40.45
St Dev				0.23	0.56	0.71	0.64	0.66	0.34	0.75			2.61
Net Irr				0.91	5.40	8.92	8.25	6.32	3.99	1.04			34.83
Barley			0.26	2.24	6.59	8.71	2.12						19.91
St Dev			0.12	0.48	0.83	0.60	1.06						0.88
Net Irr				1.54	5.97	8.47	1.28						17.26
Corn				0.07	1.64	5.57	8.49	5.19	0.46				21.42
St Dev				0.07	0.22	0.99	0.61	0.64	0.44				0.93
Net Irr					1.02	5.33	7.66	3.78					17.79
Melon				0.06	2.06	5.51	5.68	4.90	2.24				20.45
St Dev				0.06	0.29	0.44	0.40	0.42	0.32				1.17
Net Irr					1.44	5.28	4.85	3.49	1.26				16.31
Onion				1.00	3.95	7.98	8.74	6.61	0.88				29.17
St Dev				0.24	0.36	0.61	0.61	0.58	0.22				1.74
Net Irr				0.29	3.33	7.75	7.90	5.20					24.48
Other Hay			0.29	4.87	7.77	6.36	3.33	2.11	0.55				25.28
St Dev			0.27	0.51	0.70	0.82	0.26	0.21	0.15				1.78
Net Irr				4.16	7.15	6.13	2.49	0.70					20.63
Other Orchard				1.50	5.77	8.47	8.39	7.11	4.48	1.83			37.55
St Dev				0.21	0.54	0.66	0.59	0.61	0.30	0.75			2.46
Net Irr				0.79	5.15	8.23	7.55	5.70	3.50	1.01			31.94
Pasture			0.58	3.56	5.08	6.00	5.94	5.12	3.76	1.54	0.07		31.66
St Dev			0.22	0.36	0.45	0.47	0.42	0.44	0.28	0.76	0.17		2.17
Net Irr			0.15	2.85	4.46	5.76	5.11	3.71	2.78	0.72			25.54
Potato				0.28	1.97	5.69	6.65	4.18	0.33				19.10
St Dev				0.12	0.30	0.71	0.44	0.56	0.33				0.74
Net Irr					1.35	5.45	5.82	2.77					15.39
Safflower				0.07	5.17	8.82	8.74	7.11	3.38	0.29			33.59
St Dev				0.07	0.70	0.69	0.61	0.60	0.33	0.13			1.98
Net Irr					4.55	8.58	7.90	5.70	2.40				29.14
Sorghum				0.09	2.17	6.36	7.86	6.77	0.44				23.69
St Dev				0.09	0.27	0.55	0.55	0.57	0.41				1.41
Net Irr					1.55	6.13	7.02	5.36					20.06

All values are 17 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Cortez

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1992-2009, Lat: 37.22, Long: -108.67, Elev: 6015 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.26	2.14	6.37	8.93	3.27						20.97
St Dev			0.12	0.46	0.83	0.65	1.16						0.87
Net Irr				1.43	5.75	8.70	2.43						18.32
Winter Wheat		0.12	1.21	2.62	6.85	7.86	1.08						19.74
St Dev		0.11	0.19	0.42	0.78	0.75	0.68						0.95
Net Irr			0.77	1.92	6.22	7.62	0.25						16.79
Garden				0.58	2.27	4.86	7.07	4.60	0.46				19.83
St Dev				0.13	0.21	0.37	0.51	0.42	0.12				1.20
Net Irr					1.65	4.62	6.23	3.19					15.69
Small Fruit				0.22	2.37	6.88	8.69	6.90	2.05				27.10
St Dev				0.09	0.33	0.62	0.61	0.59	0.48				1.57
Net Irr					1.75	6.64	7.85	5.49	1.06				22.80
Turfgrass			0.84	3.04	4.44	5.29	5.24	4.52	3.50	1.70	0.08		28.67
St Dev			0.27	0.31	0.39	0.41	0.37	0.39	0.25	0.73	0.19		1.88
Net Irr			0.41	2.34	3.82	5.06	4.41	3.11	2.52	0.87			22.54
Turfgrass Dixie			0.94	3.11	4.56	5.73	5.68	4.90	3.79	1.84	0.09		30.65
St Dev			0.30	0.33	0.40	0.45	0.40	0.42	0.27	0.79	0.23		2.02
Net Irr			0.50	2.40	3.94	5.50	4.85	3.49	2.81	1.02			24.50
Open Water Deep	1.25	1.43	2.04	2.66	2.87	3.90	4.11	3.89	2.82	2.62	1.81	1.24	30.64
St Dev	0.29	0.30	0.43	0.44	0.49	0.71	0.82	0.74	0.48	0.59	0.43	0.23	4.04
Net Evap	0.58	0.78	1.49	1.78	2.10	3.61	3.07	2.12	1.60	1.58	1.03	0.78	20.53
Open Water Shallow	1.32	1.84	3.33	4.37	5.43	6.13	6.23	5.58	4.46	3.10	1.78	1.19	44.76
St Dev	0.20	0.23	0.40	0.39	0.37	0.35	0.31	0.36	0.23	0.34	0.26	0.14	1.43
Net Evap	0.65	1.19	2.79	3.49	4.66	5.83	5.18	3.82	3.23	2.06	1.00	0.73	34.64
Wetlands Large					1.59	7.37	9.18	7.92	5.90	1.68			33.65
St Dev					0.39	0.64	0.65	0.68	0.71	1.35			2.69
Net ET					0.97	7.14	8.34	6.51	4.92	0.85			28.73
Wetlands Narrow					2.01	10.38	13.11	11.31	8.44	2.40	0.01		47.65
St Dev					0.51	0.91	0.92	0.97	1.01	1.93	0.03		3.81
Net ET					1.39	10.14	12.27	9.90	7.46	1.57			42.73
ETr	1.82	2.53	4.61	6.18	7.47	8.82	8.74	7.54	5.83	4.28	2.55	1.73	62.09
St Dev	0.36	0.46	0.67	0.67	0.67	0.69	0.61	0.65	0.41	0.65	0.49	0.29	3.56

All values are 17 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Olathe

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1993-2010, Lat: 38.64, Long: -108.05, Elev: 5324 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.39	33.56	41.27	48.30	57.73	66.24	72.17	69.92	61.14	49.64	36.82	28.28	49.45
St Dev	3.69	3.23	2.26	2.38	2.15	2.05	1.65	1.74	2.20	1.65	2.52	2.72	0.70
Precip (in)	0.39	0.41	0.64	0.88	0.72	0.48	0.77	1.02	1.68	1.06	0.44	0.37	8.86
St Dev	0.24	0.26	0.52	0.88	0.68	0.50	0.54	0.65	0.74	0.87	0.32	0.24	1.74
Aridity Adj. (F)													
Est. Dewpoint (F)	17.31	18.77	20.40	24.33	31.06	36.01	45.32	47.86	39.22	30.39	21.24	17.01	29.08
Rs (langley/day)	228	302	439	525	605	662	625	535	470	366	257	209	435
Wind (mpd)	68	84	109	128	112	98	66	56	63	71	74	69	83
Calc. Wind Limit (mpd)	96	96	101	120	109	98	96	96	96	96	96	96	100
	.....Inches.....												
Alfalfa (Beef)			0.19	4.29	6.60	8.18	6.42	5.25	4.57	0.89			36.40
St Dev			0.17	0.53	0.53	0.73	0.41	0.40	0.54	0.68			1.98
Net Irr				3.59	6.02	7.80	5.81	4.43	3.23	0.04			30.92
Alfalfa (Dairy)			0.19	4.29	6.15	6.72	6.49	5.23	3.95	1.10			34.12
St Dev			0.17	0.53	0.56	0.42	0.48	0.40	0.44	0.84			2.02
Net Irr				3.59	5.58	6.34	5.87	4.42	2.60	0.25			28.64
Apples / Cherries				1.85	6.73	9.39	8.93	7.02	4.54	1.98			40.45
St Dev				0.20	0.66	0.55	0.60	0.53	0.42	0.37			1.89
Net Irr				1.15	6.16	9.01	8.32	6.21	3.19	1.13			35.17
Barley			0.20	2.15	7.08	8.84	1.83						20.10
St Dev			0.09	0.44	0.99	0.52	0.97						0.64
Net Irr				1.45	6.50	8.46	1.21						17.62
Corn				0.05	1.79	5.92	8.35	4.80	0.50				21.42
St Dev				0.06	0.30	0.95	0.60	0.73	0.59				1.13
Net Irr					1.22	5.54	7.73	3.99					18.48
Melon				0.04	2.19	5.60	5.58	4.48	2.07				19.97
St Dev				0.05	0.35	0.32	0.38	0.34	0.42				1.01
Net Irr					1.61	5.22	4.97	3.66	0.72				16.19
Onion				0.73	4.16	7.87	8.59	6.23	1.11				28.69
St Dev				0.15	0.40	0.44	0.58	0.47	0.14				1.39
Net Irr				0.03	3.58	7.49	7.97	5.42					24.49
Other Hay			0.19	4.66	8.36	6.88	3.32	1.97	0.58				25.96
St Dev			0.17	0.48	0.80	0.80	0.26	0.16	0.13				1.66
Net Irr				3.96	7.79	6.50	2.70	1.15					22.10
Other Orchard				1.72	6.45	8.67	8.25	6.45	4.09	1.97			37.60
St Dev				0.18	0.63	0.51	0.56	0.49	0.38	0.37			1.76
Net Irr				1.02	5.88	8.29	7.63	5.64	2.75	1.11			32.32
Pasture			0.41	3.36	5.47	6.14	5.84	4.68	3.56	1.71	0.02		31.19
St Dev			0.11	0.35	0.52	0.36	0.39	0.35	0.35	0.47	0.04		1.58
Net Irr				2.66	4.89	5.76	5.22	3.87	2.21	0.85			25.48
Potato				0.24	2.19	6.01	6.49	3.63	0.20				18.76
St Dev				0.11	0.38	0.57	0.45	0.62	0.26				0.89
Net Irr					1.62	5.63	5.87	2.81					15.93
Safflower				0.05	5.51	9.03	8.59	6.52	3.21	0.31			33.24
St Dev				0.06	0.82	0.53	0.58	0.49	0.37	0.14			1.54
Net Irr					4.93	8.65	7.97	5.71	1.87				29.13
Sorghum				0.07	2.31	6.40	7.72	6.20	0.48				23.17
St Dev				0.07	0.32	0.40	0.52	0.47	0.42				1.11
Net Irr					1.73	6.02	7.10	5.38					20.23

All values are 16 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Olathe

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1993-2010, Lat: 38.64, Long: -108.05, Elev: 5324 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.20	2.05	6.85	9.11	2.91						21.12
St Dev			0.09	0.41	1.00	0.50	1.16						0.65
Net Irr				1.35	6.27	8.73	2.29						18.65
Winter Wheat		0.05	1.14	2.48	7.26	8.03	0.95						19.91
St Dev		0.04	0.16	0.40	0.94	0.71	0.53						0.62
Net Irr			0.64	1.78	6.68	7.65	0.34						17.09
Garden				0.45	2.36	4.71	6.85	4.46	0.59				19.41
St Dev				0.09	0.23	0.26	0.47	0.34	0.08				0.96
Net Irr					1.78	4.33	6.23	3.64					15.98
Small Fruit				0.19	2.51	6.90	8.54	6.31	1.97				26.42
St Dev				0.09	0.35	0.45	0.58	0.48	0.46				1.34
Net Irr					1.94	6.52	7.92	5.50	0.62				22.49
Turfgrass			0.63	2.98	4.75	5.42	5.15	4.13	3.24	1.87	0.03		28.20
St Dev			0.17	0.32	0.45	0.32	0.35	0.31	0.30	0.42	0.06		1.35
Net Irr			0.12	2.28	4.17	5.04	4.54	3.32	1.89	1.01			22.38
Turfgrass Dixie			0.70	3.10	4.82	5.87	5.58	4.48	3.51	2.02	0.04		30.11
St Dev			0.18	0.34	0.46	0.34	0.38	0.34	0.32	0.46	0.07		1.43
Net Irr			0.19	2.40	4.24	5.49	4.97	3.66	2.16	1.17			24.28
Open Water Deep	0.93	1.16	1.89	2.65	3.54	4.22	3.74	2.97	2.35	2.16	1.43	0.95	27.97
St Dev	0.17	0.25	0.31	0.42	0.56	0.55	0.62	0.59	0.46	0.36	0.26	0.16	2.23
Net Evap	0.54	0.75	1.25	1.77	2.83	3.74	2.97	1.95	0.66	1.10	0.99	0.57	19.12
Open Water Shallow	1.14	1.67	3.22	4.25	5.45	6.02	6.09	5.26	4.18	2.92	1.57	1.03	42.79
St Dev	0.12	0.17	0.29	0.36	0.44	0.28	0.25	0.25	0.26	0.27	0.17	0.08	0.87
Net Evap	0.74	1.26	2.58	3.38	4.73	5.54	5.32	4.25	2.49	1.86	1.14	0.66	33.94
Wetlands Large					1.74	7.45	9.02	7.23	5.57	2.02	0.01		33.04
St Dev					0.47	0.57	0.61	0.54	0.59	1.17	0.02		2.60
Net ET					1.17	7.07	8.40	6.42	4.22	1.17			28.45
Wetlands Narrow					2.20	10.48	12.88	10.33	7.95	2.88	0.01		46.74
St Dev					0.63	0.82	0.87	0.78	0.85	1.67	0.04		3.69
Net ET					1.63	10.10	12.26	9.52	6.60	2.03			42.14
ETr	1.49	2.24	4.52	6.19	8.04	9.03	8.59	6.89	5.40	3.90	2.20	1.39	59.89
St Dev	0.23	0.37	0.56	0.68	0.77	0.53	0.58	0.52	0.50	0.53	0.38	0.19	1.86

All values are 16 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Orchard Mesa

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 39.04, Long: -108.46, Elev: 4600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.25	36.06	45.33	53.66	63.56	74.69	81.39	77.29	68.42	53.60	42.86	28.87	54.42
St Dev	3.25	3.70	2.46	2.38	3.30	2.54	1.13	1.71	2.90	2.59	1.94	5.68	0.76
Precip (in)	0.27	0.39	0.66	0.74	0.66	0.47	0.50	0.72	0.90	1.10	0.32	0.52	7.27
St Dev	0.17	0.28	0.40	0.26	0.39	0.31	0.31	0.42	0.69	1.01	0.35	0.38	1.41
Aridity Adj. (F)													
Est. Dewpoint (F)	15.72	20.30	21.31	23.02	29.34	33.56	45.18	44.96	36.34	30.54	22.50	18.22	28.42
Rs (langley/day)	202	268	395	513	601	657	613	526	433	306	230	166	409
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)			0.07	4.89	7.06	9.58	9.04	6.81	5.77	2.26	0.15		45.64
St Dev			0.09	0.78	0.32	1.11	0.95	0.45	0.72	1.30	0.33		1.09
Net Irr				4.29	6.54	9.20	8.64	6.23	5.05	1.39			41.33
Alfalfa (Dairy)			0.07	4.89	6.86	8.08	8.13	6.83	5.45	2.19	0.08		42.57
St Dev			0.09	0.78	0.49	0.72	0.40	0.51	0.55	1.16	0.17		0.81
Net Irr				4.29	6.33	7.70	7.73	6.25	4.73	1.31			38.34
Apples / Cherries				2.94	8.26	11.41	11.31	9.20	5.83	1.66			50.60
St Dev				0.52	0.66	0.99	0.47	0.55	0.63	0.85			0.38
Net Irr				2.34	7.73	11.03	10.90	8.62	5.11	0.79			46.52
Barley			0.11	2.82	8.82	7.75	0.16						19.66
St Dev			0.11	0.52	0.87	1.55	0.24						0.75
Net Irr				2.22	8.29	7.37							17.89
Corn				0.01	2.14	8.53	9.56	1.55					21.80
St Dev				0.03	0.53	1.41	0.83	0.91					0.48
Net Irr					1.62	8.15	9.16	0.98					19.90
Melon				0.01	2.25	6.66	7.07	5.97	3.32				25.27
St Dev				0.03	0.45	0.64	0.29	0.39	0.68				0.66
Net Irr					1.72	6.28	6.66	5.40	2.60				22.65
Onion				0.88	4.75	9.59	10.87	8.28	1.62				35.99
St Dev				0.38	0.31	0.94	0.45	0.51	0.49				0.82
Net Irr				0.29	4.22	9.21	10.47	7.70	0.90				32.79
Other Hay			0.06	4.85	9.48	8.95	4.35	2.72	1.03				31.45
St Dev			0.09	0.79	0.57	1.33	0.27	0.12	0.31				1.23
Net Irr				4.25	8.96	8.57	3.95	2.14	0.31				28.19
Other Orchard				2.74	7.88	10.53	10.44	8.42	5.31	1.66			46.97
St Dev				0.50	0.61	0.91	0.43	0.50	0.54	0.84			0.31
Net Irr				2.15	7.35	10.15	10.03	7.84	4.59	0.78			42.89
Pasture			0.33	3.76	6.23	7.46	7.39	6.24	4.73	1.88	0.66		38.68
St Dev			0.24	0.35	0.35	0.65	0.31	0.40	0.46	1.17	0.63		1.39
Net Irr				3.17	5.70	7.08	6.99	5.67	4.01	1.00	0.40		34.01
Potato				0.19	3.11	8.14	7.01	0.58					19.03
St Dev				0.15	0.73	0.76	0.77	0.57					0.38
Net Irr					2.59	7.76	6.60						16.96
Safflower				0.01	5.73	10.96	10.87	8.78	4.57	0.48			41.41
St Dev				0.03	1.11	0.95	0.45	0.53	0.72	0.32			0.88
Net Irr					5.20	10.59	10.47	8.20	3.85				38.31
Sorghum				0.02	2.43	7.47	9.75	8.27	1.29				29.23
St Dev				0.04	0.42	0.87	0.41	0.53	0.77				0.86
Net Irr					1.90	7.09	9.35	7.69	0.57				26.61

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Orchard Mesa

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 39.04, Long: -108.46, Elev: 4600 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.11	2.69	8.63	8.92	0.55						20.91
St Dev			0.11	0.49	0.89	1.22	0.51						0.76
Net Irr				2.10	8.11	8.54	0.15						18.89
Winter Wheat		0.02	1.21	3.91	9.17	4.98	0.05						19.35
St Dev		0.03	0.28	0.69	0.67	2.03	0.08						0.77
Net Irr			0.68	3.32	8.64	4.60							17.25
Garden				0.54	2.69	5.76	8.67	5.91	0.87				24.44
St Dev				0.20	0.21	0.61	0.40	0.43	0.29				0.60
Net Irr					2.16	5.38	8.27	5.33	0.15				21.29
Small Fruit				0.14	2.59	8.04	10.77	8.50	3.49				33.53
St Dev				0.11	0.39	0.89	0.46	0.53	0.79				0.86
Net Irr					2.06	7.66	10.37	7.93	2.77				30.78
Turfgrass			0.51	3.42	5.39	6.58	6.52	5.51	4.33	1.85	0.69		34.80
St Dev			0.35	0.16	0.32	0.57	0.27	0.36	0.38	0.99	0.64		1.04
Net Irr				2.82	4.86	6.20	6.12	4.94	3.61	0.97	0.43		29.95
Turfgrass Dixie			0.57	3.58	5.42	7.13	7.07	5.97	4.69	2.00	0.83		37.26
St Dev			0.39	0.21	0.37	0.62	0.29	0.39	0.42	1.08	0.78		1.19
Net Irr			0.04	2.98	4.90	6.75	6.66	5.40	3.97	1.13	0.57		32.40
Open Water Deep	1.15	1.53	2.66	4.19	5.71	8.34	8.47	7.50	5.69	3.64	2.66	1.10	52.64
St Dev	0.30	0.49	0.45	0.39	0.55	1.18	0.54	0.77	0.80	0.74	0.38	0.30	1.86
Net Evap	0.89	1.14	2.00	3.44	5.05	7.87	7.97	6.78	4.79	2.54	2.33	0.58	45.37
Open Water Shallow	1.07	1.68	3.32	4.72	6.03	6.83	6.95	6.05	4.71	2.93	1.86	0.92	47.06
St Dev	0.14	0.23	0.30	0.25	0.34	0.55	0.27	0.35	0.47	0.43	0.17	0.12	0.60
Net Evap	0.81	1.29	2.66	3.97	5.37	6.36	6.44	5.33	3.81	1.83	1.53	0.39	39.79
Wetlands Large					1.67	8.75	11.40	9.65	7.58	3.17	0.29		42.50
St Dev					0.52	1.03	0.48	0.62	0.67	1.67	0.58		0.82
Net ET					1.14	8.37	11.00	9.07	6.86	2.29	0.03		38.76
Wetlands Narrow					2.09	12.27	16.29	13.78	10.83	4.52	0.41		60.19
St Dev					0.68	1.50	0.69	0.89	0.96	2.39	0.83		1.18
Net ET					1.56	11.89	15.88	13.21	10.11	3.64	0.15		56.45
ETr	1.53	2.37	4.79	7.14	9.18	10.97	10.87	9.19	7.22	4.46	3.00	1.33	72.04
St Dev	0.32	0.56	0.50	0.43	0.51	0.95	0.45	0.59	0.64	0.76	0.38	0.25	1.29

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Towaoc

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1999-2010, Lat: 37.19, Long: -108.94, Elev: 5319 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.34	35.57	43.71	49.87	59.43	68.84	76.53	72.88	63.97	52.26	40.76	31.04	52.10
St Dev	4.69	1.60	2.39	2.31	3.02	1.84	1.82	1.84	2.00	1.96	2.00	2.13	0.90
Precip (in)	0.66	0.60	0.42	0.64	0.46	0.19	0.57	0.78	1.11	0.78	0.46	0.41	7.08
St Dev	0.61	0.64	0.39	0.57	0.54	0.15	0.40	0.76	0.96	0.75	0.39	0.38	1.87
Aridity Adj. (F)													
Est. Dewpoint (F)	17.04	18.41	19.32	22.58	28.62	32.95	43.95	44.52	36.73	28.74	21.08	17.08	27.58
Rs (langleys/day)	243	321	446	542	650	701	645	567	494	370	273	214	455
Wind (mpd)	122	141	170	171	149	145	132	116	125	126	120	124	137
Calc. Wind Limit (mpd)	96	96	117	132	130	125	100	96	96	96	96	96	106
	.....Inches.....												
Alfalfa (Beef)			0.52	5.19	7.48	10.02	8.55	6.74	5.81	1.64	0.01		45.97
St Dev			0.36	0.60	0.47	0.72	0.84	0.60	0.80	1.12	0.03		2.38
Net Irr			0.19	4.68	7.12	9.87	8.09	6.12	4.93	1.01			42.00
Alfalfa (Dairy)			0.52	5.19	7.22	8.33	8.17	6.74	5.31	1.85			43.35
St Dev			0.36	0.60	0.60	0.56	0.62	0.62	0.41	0.89			2.28
Net Irr			0.19	4.68	6.86	8.18	7.71	6.12	4.43	1.22			39.38
Apples / Cherries				2.63	8.53	11.73	11.27	9.08	5.79	2.14			51.16
St Dev				0.21	0.67	0.79	0.80	0.85	0.47	0.78			2.53
Net Irr				2.11	8.16	11.58	10.81	8.45	4.90	1.51			47.53
Barley			0.37	2.90	8.95	9.98	0.95						23.15
St Dev			0.18	0.49	1.12	0.80	0.81						0.87
Net Irr			0.03	2.39	8.58	9.84	0.49						21.33
Corn				0.16	2.36	8.35	10.27	4.01	0.02				25.17
St Dev				0.10	0.40	1.23	0.71	1.10	0.05				1.12
Net Irr					1.99	8.20	9.82	3.38					23.39
Melon				0.13	2.93	7.13	7.04	5.87	2.51				25.62
St Dev				0.08	0.43	0.54	0.50	0.54	0.52				1.27
Net Irr					2.57	6.98	6.59	5.24	1.62				23.00
Onion				1.49	5.29	10.51	10.84	7.50	0.65				36.28
St Dev				0.31	0.49	0.82	0.77	0.75	0.40				2.01
Net Irr				0.98	4.92	10.36	10.38	6.87					33.51
Other Hay			0.52	5.64	9.86	7.84	4.08	2.47	0.62				31.02
St Dev			0.38	0.60	0.81	0.99	0.32	0.23	0.24				1.70
Net Irr			0.19	5.13	9.50	7.69	3.62	1.84					27.96
Other Orchard				2.44	8.14	10.83	10.40	8.32	5.27	2.13			47.53
St Dev				0.19	0.64	0.73	0.73	0.78	0.42	0.78			2.37
Net Irr				1.93	7.77	10.68	9.95	7.69	4.38	1.51			43.90
Pasture			0.79	4.07	6.47	7.67	7.37	6.13	4.69	2.30	0.29		39.78
St Dev			0.32	0.37	0.51	0.52	0.52	0.56	0.42	1.01	0.45		2.53
Net Irr			0.45	3.56	6.10	7.52	6.91	5.51	3.80	1.67			35.52
Potato				0.41	2.98	8.02	7.84	2.64					21.89
St Dev				0.13	0.62	0.88	0.52	1.03					0.71
Net Irr					2.62	7.87	7.38	2.01					19.88
Safflower				0.16	7.29	11.28	10.84	8.38	3.96	0.23			42.13
St Dev				0.10	1.00	0.76	0.77	0.75	0.50	0.15			2.13
Net Irr					6.92	11.13	10.38	7.75	3.08				39.25
Sorghum				0.20	2.98	8.42	9.75	7.92	0.25				29.52
St Dev				0.12	0.37	0.77	0.69	0.73	0.47				1.68
Net Irr					2.62	8.27	9.29	7.29					27.47

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Towaoc

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1999-2010, Lat: 37.19, Long: -108.94, Elev: 5319 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.37	2.77	8.73	10.67	1.87						24.42
St Dev			0.17	0.47	1.13	0.58	1.04						0.87
Net Irr			0.03	2.25	8.36	10.52	1.42						22.59
Winter Wheat		0.15	1.45	3.39	9.21	8.00	0.44						22.65
St Dev		0.14	0.25	0.58	1.11	1.40	0.42						0.83
Net Irr			1.11	2.88	8.84	7.85							20.69
Garden				0.85	3.09	6.58	8.84	5.01	0.33				24.71
St Dev				0.15	0.31	0.59	0.64	0.57	0.22				1.38
Net Irr				0.33	2.72	6.43	8.39	4.39					22.26
Small Fruit				0.33	3.40	9.14	10.77	8.16	2.06				33.88
St Dev				0.10	0.46	0.79	0.77	0.76	0.64				1.85
Net Irr					3.04	9.00	10.31	7.54	1.18				31.06
Turfgrass			1.10	3.47	5.67	6.77	6.50	5.42	4.29	2.38	0.32		35.91
St Dev			0.38	0.24	0.47	0.45	0.46	0.50	0.35	0.96	0.47		2.14
Net Irr			0.77	2.95	5.30	6.62	6.05	4.79	3.40	1.76			31.63
Turfgrass Dixie			1.23	3.51	5.88	7.33	7.04	5.87	4.65	2.60	0.40		38.49
St Dev			0.42	0.24	0.51	0.49	0.50	0.54	0.38	1.05	0.60		2.35
Net Irr			0.89	3.00	5.51	7.18	6.59	5.24	3.76	1.97	0.03		34.17
Open Water Deep	1.49	1.67	2.88	3.55	5.24	7.18	7.26	6.14	4.53	3.56	2.43	1.50	47.42
St Dev	0.40	0.28	0.45	0.40	0.78	1.00	1.14	1.08	0.58	0.58	0.31	0.21	4.38
Net Evap	0.83	1.07	2.46	2.90	4.78	7.00	6.69	5.36	3.42	2.78	1.97	1.09	40.34
Open Water Shallow	1.38	1.93	3.62	4.64	6.13	6.83	6.88	6.06	4.83	3.30	1.98	1.25	48.83
St Dev	0.26	0.21	0.35	0.31	0.35	0.29	0.33	0.41	0.30	0.33	0.22	0.13	1.44
Net Evap	0.71	1.33	3.20	4.00	5.67	6.65	6.31	5.27	3.72	2.52	1.52	0.84	41.75
Wetlands Large					2.57	9.81	11.38	9.48	7.51	2.87	0.01		43.63
St Dev					0.62	0.92	0.80	0.88	0.61	1.28	0.03		2.24
Net ET					2.21	9.66	10.92	8.85	6.62	2.25			40.50
Wetlands Narrow					3.30	13.85	16.25	13.54	10.72	4.11	0.01		61.78
St Dev					0.82	1.33	1.15	1.25	0.87	1.83	0.04		3.17
Net ET					2.93	13.70	15.80	12.91	9.83	3.48			58.65
ETr	2.02	2.74	5.42	6.97	9.52	11.28	10.84	9.03	7.15	4.99	3.12	1.92	74.99
St Dev	0.50	0.49	0.64	0.50	0.75	0.76	0.77	0.84	0.58	0.72	0.42	0.29	3.04

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Yellow Jacket

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1998-2010, Lat: 37.53, Long: -108.72, Elev: 6900 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.63	31.30	38.67	45.09	54.60	64.65	71.37	68.20	61.03	49.16	39.38	28.52	48.38
St Dev	4.14	3.05	3.49	2.82	2.75	2.89	1.57	1.52	2.64	2.31	2.96	3.39	0.79
Precip (in)	0.85	0.90	0.68	1.23	0.64	0.38	1.17	1.51	1.42	1.66	0.79	0.93	12.14
St Dev	0.77	0.93	0.53	0.61	0.61	0.31	0.67	1.03	0.86	1.37	0.56	0.87	2.78
Aridity Adj. (F)													
Est. Dewpoint (F)	15.40	16.01	17.37	19.25	23.57	26.79	41.34	40.93	33.63	25.47	17.91	14.85	24.38
Rs (langley/day)	246	327	452	528	635	687	616	551	478	359	266	210	446
Wind (mpd)	95	105	123	142	120	109	94	88	97	102	99	98	106
Calc. Wind Limit (mpd)	96	96	123	132	113	109	96	96	96	96	96	96	104
	.....Inches.....												
Alfalfa (Beef)			0.01	2.95	7.02	7.34	6.82	6.42	5.15	1.19			36.91
St Dev			0.05	0.59	0.52	0.87	0.41	0.61	0.62	0.79			1.66
Net Irr				1.97	6.51	7.04	5.88	5.21	4.01				30.63
Alfalfa (Dairy)			0.01	2.95	6.44	7.12	6.74	5.82	4.50	1.15			34.73
St Dev			0.05	0.59	0.41	0.62	0.64	0.54	0.39	0.90			1.92
Net Irr				1.97	5.93	6.82	5.80	4.61	3.36				28.49
Apples / Cherries				1.58	6.35	9.57	9.31	7.84	5.16	2.14			41.96
St Dev				0.32	0.62	0.81	0.71	0.69	0.46	0.52			2.20
Net Irr				0.60	5.84	9.27	8.38	6.63	4.02	0.82			35.55
Barley			0.03	1.39	5.62	9.38	3.97						20.39
St Dev			0.07	0.36	1.11	0.70	1.55						0.90
Net Irr				0.40	5.11	9.08	3.04						17.63
Corn					1.13	3.97	8.40	6.37	2.21	0.14			22.22
St Dev					0.20	1.10	0.81	0.72	1.18	0.33			0.85
Net Irr					0.62	3.67	7.47	5.16	1.07				17.98
Melon					1.18	4.93	5.82	4.98	3.56	0.05			20.52
St Dev					0.27	0.60	0.44	0.44	0.67	0.14			1.10
Net Irr					0.67	4.63	4.89	3.77	2.42				16.38
Onion				0.14	3.70	7.15	8.95	7.35	2.37				29.67
St Dev				0.14	0.43	0.81	0.69	0.65	0.54				1.61
Net Irr					3.19	6.85	8.01	6.14	1.23				25.43
Other Hay			0.01	3.19	7.88	8.21	3.84	2.38	1.05				26.57
St Dev			0.05	0.64	0.67	0.91	0.40	0.24	0.25				1.72
Net Irr				2.21	7.37	7.91	2.91	1.17					21.57
Other Orchard				1.47	6.08	8.85	8.60	7.20	4.65	2.12			38.97
St Dev				0.29	0.60	0.75	0.65	0.63	0.41	0.52			2.06
Net Irr				0.49	5.57	8.55	7.66	5.99	3.51	0.79			32.57
Pasture			0.16	2.70	5.23	6.27	6.09	5.21	4.02	1.90	0.22		31.79
St Dev			0.17	0.43	0.42	0.53	0.46	0.46	0.35	0.66	0.40		2.05
Net Irr				1.72	4.71	5.97	5.16	4.00	2.88	0.58			25.02
Potato					1.49	5.07	6.88	4.90	1.35	0.03			19.72
St Dev					0.32	0.98	0.51	0.55	0.96	0.11			0.71
Net Irr					0.98	4.77	5.94	3.69	0.21				15.59
Safflower					2.85	9.15	8.96	7.55	4.48	0.91			33.90
St Dev					0.80	0.80	0.68	0.65	0.51	0.29			1.84
Net Irr					2.34	8.85	8.02	6.34	3.34				28.89
Sorghum					1.41	5.03	7.89	6.90	2.58				23.81
St Dev					0.25	0.73	0.65	0.61	0.62				1.35
Net Irr					0.90	4.73	6.96	5.69	1.44				19.72

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: CoAgMet Yellow Jacket

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1998-2010, Lat: 37.53, Long: -108.72, Elev: 6900 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.03	1.34	5.34	9.42	5.20	0.09					21.42
St Dev			0.07	0.33	1.09	0.79	1.50	0.14					0.92
Net Irr				0.35	4.83	9.12	4.27						18.56
Winter Wheat			0.96	1.93	5.88	9.07	2.52						20.36
St Dev			0.24	0.34	1.23	0.49	1.40						0.87
Net Irr			0.42	0.94	5.36	8.77	1.59						17.08
Garden				0.11	2.04	4.22	6.73	5.57	1.36				20.02
St Dev				0.10	0.24	0.48	0.61	0.52	0.35				1.16
Net Irr					1.53	3.92	5.79	4.36	0.22				15.82
Small Fruit					1.52	5.65	8.63	7.29	4.02				27.13
St Dev					0.32	0.75	0.73	0.63	0.73				1.50
Net Irr					1.01	5.35	7.70	6.08	2.88				23.03
Turfgrass			0.25	2.62	4.47	5.53	5.37	4.60	3.63	1.98	0.25		28.72
St Dev			0.27	0.33	0.37	0.47	0.41	0.41	0.28	0.53	0.45		1.74
Net Irr				1.64	3.96	5.23	4.44	3.39	2.49	0.66			21.81
Turfgrass Dixie			0.28	2.81	4.43	5.99	5.82	4.98	3.93	2.15	0.28		30.68
St Dev			0.30	0.37	0.39	0.51	0.44	0.44	0.31	0.58	0.50		1.88
Net Irr				1.82	3.92	5.69	4.89	3.77	2.79	0.82			23.71
Open Water Deep	1.13	1.18	1.97	2.67	3.63	5.12	5.04	4.58	3.64	2.85	2.10	1.18	35.11
St Dev	0.30	0.33	0.54	0.49	0.55	0.89	0.86	0.84	0.53	0.61	0.40	0.23	2.97
Net Evap	0.29	0.28	1.29	1.44	2.99	4.75	3.87	3.07	2.22	1.19	1.31	0.25	22.96
Open Water Shallow	1.30	1.75	3.25	4.19	5.58	6.27	6.20	5.55	4.48	3.03	1.88	1.15	44.64
St Dev	0.18	0.23	0.43	0.41	0.35	0.41	0.36	0.37	0.31	0.37	0.24	0.18	1.22
Net Evap	0.45	0.85	2.57	2.96	4.93	5.89	5.03	4.04	3.06	1.38	1.09	0.22	32.49
Wetlands Large					0.50	5.79	9.22	8.05	6.35	2.16			32.08
St Dev					0.28	0.89	0.77	0.71	0.50	1.41			2.17
Net ET						5.49	8.29	6.84	5.21	0.83			26.67
Wetlands Narrow					0.59	7.94	13.17	11.50	9.08	3.08			45.35
St Dev					0.34	1.30	1.11	1.02	0.71	2.01			3.08
Net ET					0.08	7.64	12.24	10.29	7.94	1.76			39.93
ETr	1.62	2.14	4.17	5.74	7.74	9.22	8.96	7.67	6.05	4.06	2.60	1.53	61.48
St Dev	0.34	0.44	0.70	0.67	0.60	0.78	0.68	0.68	0.47	0.64	0.42	0.28	2.51

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: NAPI Farmington Block 1

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1998-2008, Lat: 36.6, Long: -108.11, Elev: 5790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	30.81	34.91	42.41	48.97	57.81	66.21	73.03	70.56	62.43	50.44	39.57	29.72	50.57
St Dev	4.25	1.82	2.73	1.88	2.02	2.93	1.31	1.85	2.30	1.88	2.73	1.65	0.82
Precip (in)	0.43	0.71	0.69	0.66	1.05	0.39	1.10	1.81	1.38	0.77	0.51	0.45	9.93
St Dev	0.43	0.73	0.88	0.83	1.69	0.35	0.75	1.29	0.96	0.84	0.48	0.30	2.81
Aridity Adj. (F)													
Est. Dewpoint (F)	17.79	19.12	20.48	23.38	30.02	34.58	46.15	48.15	38.32	29.34	21.55	15.80	28.72
Rs (langley/day)	249	325	450	565	646	689	633	555	481	369	275	224	455
Wind (mpd)	94	119	137	155	143	132	99	99	99	95	81	86	112
Calc. Wind Limit (mpd)	96	96	121	132	121	117	96	96	96	96	96	96	105
	.....Inches.....												
Alfalfa (Beef)			0.43	4.97	7.00	9.05	7.23	5.84	4.71	0.61	0.01		39.83
St Dev			0.21	0.50	0.54	0.52	0.75	0.82	1.75	0.67	0.02		2.94
Net Irr				4.44	6.16	8.74	6.35	4.40	3.61				33.69
Alfalfa (Dairy)			0.43	4.97	6.61	7.39	7.18	5.95	4.15	1.06			37.74
St Dev			0.21	0.50	0.64	0.32	0.60	0.64	1.50	1.15			2.91
Net Irr				4.44	5.78	7.07	6.30	4.50	3.05	0.45			31.59
Apples / Cherries				1.09	6.45	10.26	9.85	8.11	5.04	1.99	0.01		42.80
St Dev				0.19	0.57	0.46	0.75	0.87	1.79	1.08	0.02		3.71
Net Irr				0.56	5.61	9.95	8.97	6.67	3.93	1.38			37.08
Barley			0.28	2.58	7.97	9.50	1.61						21.93
St Dev			0.06	0.34	0.96	0.38	0.91						0.84
Net Irr				2.05	7.13	9.19	0.72						19.09
Corn				0.17	2.09	7.02	9.13	4.80	0.20				23.41
St Dev				0.11	0.34	1.13	0.73	1.10	0.22				1.29
Net Irr					1.25	6.71	8.25	3.36					19.57
Melon				0.14	2.72	6.32	6.16	5.10	1.91				22.34
St Dev				0.09	0.36	0.35	0.47	0.55	0.76				1.39
Net Irr					1.88	6.01	5.28	3.65	0.80				17.62
Onion				0.82	4.53	8.72	9.47	6.99	1.12				31.65
St Dev				0.15	0.40	0.39	0.73	0.95	0.41				1.76
Net Irr				0.29	3.69	8.41	8.59	5.55	0.02				26.54
Other Hay			0.42	5.48	9.08	6.96	3.57	2.16	0.47				28.13
St Dev			0.22	0.47	0.77	0.36	0.28	0.22	0.19				1.39
Net Irr				4.95	8.24	6.64	2.68	0.71					23.23
Other Orchard				1.04	6.13	9.55	9.09	7.48	4.54	1.93	0.01		39.77
St Dev				0.18	0.54	0.42	0.70	0.80	1.61	1.04	0.02		3.43
Net Irr				0.51	5.30	9.24	8.21	6.03	3.44	1.32			34.04
Pasture			0.42	3.65	5.94	6.77	6.44	5.27	3.67	1.55	0.02		33.73
St Dev			0.10	0.35	0.51	0.30	0.49	0.73	1.31	0.86	0.04		2.99
Net Irr				3.12	5.10	6.46	5.56	3.82	2.57	0.94			27.56
Potato				0.36	2.50	6.77	7.10	3.86	0.10				20.69
St Dev				0.07	0.48	0.74	0.54	0.94	0.11				0.95
Net Irr					1.66	6.46	6.22	2.42					16.75
Safflower				0.17	6.71	9.96	9.44	7.01	3.02	0.13			36.44
St Dev				0.11	0.79	0.44	0.75	1.46	1.10	0.10			2.94
Net Irr					5.88	9.65	8.56	5.56	1.92				31.57
Sorghum				0.21	2.77	7.47	8.52	6.84	0.14				25.94
St Dev				0.13	0.32	0.56	0.65	0.82	0.19				1.27
Net Irr					1.93	7.16	7.64	5.39					22.13

All values are 10 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: NAPI Farmington Block 1

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1998-2008, Lat: 36.6, Long: -108.11, Elev: 5790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.28	2.45	7.73	9.90	2.71						23.07
St Dev			0.06	0.33	0.97	0.31	1.10						0.82
Net Irr				1.92	6.90	9.59	1.82						20.23
Winter Wheat			0.93	2.52	7.74	8.91	1.10						21.20
St Dev			0.16	0.23	0.98	0.63	0.61						0.86
Net Irr			0.38	1.99	6.90	8.60	0.21						18.08
Garden				0.50	2.57	5.22	7.57	5.06	0.59				21.52
St Dev				0.09	0.23	0.24	0.59	0.45	0.22				1.08
Net Irr					1.74	4.91	6.69	3.62					16.95
Small Fruit				0.29	2.99	7.95	9.42	7.10	1.71				29.46
St Dev				0.06	0.33	0.45	0.73	0.83	0.66				1.78
Net Irr					2.16	7.64	8.54	5.65	0.60				24.59
Turfgrass			0.67	3.23	5.16	5.98	5.68	4.70	3.39	1.70	0.02		30.53
St Dev			0.16	0.31	0.44	0.26	0.44	0.51	1.21	0.92	0.06		2.59
Net Irr			0.12	2.70	4.32	5.67	4.80	3.26	2.28	1.09			24.23
Turfgrass Dixie			0.74	3.36	5.22	6.48	6.16	5.10	3.67	1.84	0.03		32.59
St Dev			0.17	0.32	0.45	0.29	0.47	0.55	1.31	1.00	0.07		2.79
Net Irr			0.19	2.83	4.39	6.16	5.28	3.65	2.56	1.23			26.29
Open Water Deep	1.29	1.41	2.37	3.10	4.19	5.42	5.07	4.64	3.55	2.63	1.59	1.08	36.35
St Dev	0.36	0.29	0.47	0.51	0.83	0.55	0.56	0.57	0.57	0.39	0.29	0.21	3.37
Net Evap	0.86	0.70	1.68	2.44	3.15	5.03	3.97	2.84	2.17	1.87	1.08	0.63	26.42
Open Water Shallow	1.39	1.89	3.48	4.65	5.87	6.40	6.39	5.70	4.54	3.09	1.81	1.21	46.43
St Dev	0.19	0.18	0.37	0.31	0.37	0.33	0.41	0.30	0.27	0.25	0.20	0.11	0.90
Net Evap	0.96	1.18	2.79	3.99	4.82	6.01	5.29	3.89	3.17	2.33	1.30	0.76	36.49
Wetlands Large					2.31	8.64	9.95	8.23	5.79	1.47	0.01		36.40
St Dev					0.56	0.67	0.76	0.89	2.06	1.53	0.03		4.20
Net ET					1.47	8.33	9.06	6.79	4.69	0.86			31.20
Wetlands Narrow					2.96	12.19	14.21	11.76	8.27	2.10	0.01		51.50
St Dev					0.75	0.99	1.09	1.28	2.94	2.18	0.04		6.01
Net ET					2.12	11.88	13.33	10.31	7.17	1.49			46.30
ETr	1.91	2.54	4.92	6.72	8.73	9.96	9.47	8.05	6.38	4.23	2.42	1.63	66.95
St Dev	0.39	0.44	0.65	0.63	0.75	0.44	0.73	0.50	0.48	0.47	0.34	0.26	2.24

All values are 10 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Cache Junction

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 41.82, Long: -111.98, Elev: 4431 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.83	23.27	34.01	42.95	51.27	60.76	70.26	62.18	59.20	46.52	34.93	22.32	43.87
St Dev	3.02	0.21	1.03	2.54	3.41	0.45	1.03	9.29	3.04	3.14	3.03	6.58	0.63
Precip (in)	1.90	1.25	0.80	1.46	2.03	2.02	0.11	0.97	0.44	1.71	1.42	2.00	16.11
St Dev	0.14	0.70	0.47	0.86	0.50	1.62	0.15	0.36	0.21	1.01	1.06	1.68	1.79
Aridity Adj. (F)													
Est. Dewpoint (F)	13.88	16.62	22.42	23.26	31.45	39.71	39.18	30.63	29.77	28.06	22.82	16.58	26.20
Rs (langley/day)	169	278	356	462	537	596	673	570	472	290	180	132	393
Wind (mpd)	86	69	110	132	107	96	95	93	91	89	87	82	95
Calc. Wind Limit (mpd)	96	96	110	132	107	96	96	96	96	96	96	96	101
	.....Inches.....												
Alfalfa (Beef)				1.07	5.22	5.59	8.69	5.85	2.91	0.37			29.70
St Dev				0.11	0.70	0.49	1.14	3.39	2.54	0.48			6.59
Net Irr					3.59	3.97	8.60	5.08	2.56				23.80
Alfalfa (Dairy)				1.07	5.22	5.76	7.62	5.64	2.76	0.29			28.35
St Dev				0.11	0.70	0.63	0.42	2.03	2.40	0.37			5.18
Net Irr					3.59	4.14	7.53	4.86	2.41				22.53
Apples / Cherries					3.56	7.32	10.67	7.73	4.28	0.45			34.00
St Dev					0.40	0.97	0.61	3.02	3.71	0.62			7.71
Net Irr					1.93	5.70	10.58	6.95	3.92				29.09
Barley				0.57	3.09	7.42	8.05	0.12					19.25
St Dev				0.07	0.65	0.82	0.96	0.13					1.15
Net Irr					1.46	5.80	7.96						15.22
Corn					0.46	2.01	8.27	7.01	3.06	0.16			20.97
St Dev					0.12	0.22	0.47	2.87	2.66	0.21			6.13
Net Irr						0.40	8.18	6.24	2.71				17.52
Melon					0.41	3.17	6.66	4.74	2.24				17.23
St Dev					0.11	0.46	0.38	2.04	1.94				4.22
Net Irr						1.56	6.58	3.96	1.89				13.98
Onion					2.01	4.64	9.99	7.04	2.47				26.14
St Dev					0.28	0.63	0.58	3.52	2.14				6.03
Net Irr					0.38	3.02	9.90	6.26	2.11				21.68
Other Hay				1.09	5.67	7.54	5.99	2.68	1.12	0.08			24.17
St Dev				0.13	0.57	0.95	0.38	0.99	0.98	0.10			2.87
Net Irr					4.05	5.92	5.90	1.90	0.77				18.54
Other Orchard					3.34	6.88	9.85	7.13	3.89	0.40			31.50
St Dev					0.38	0.90	0.56	2.79	3.38	0.55			7.06
Net Irr					1.72	5.27	9.76	6.35	3.54				26.64
Pasture				1.18	3.93	5.04	6.96	4.90	2.74	0.25			25.00
St Dev				0.12	0.42	0.62	0.39	2.22	2.37	0.36			5.21
Net Irr				0.01	2.30	3.43	6.87	4.13	2.39				19.12
Potato					0.64	2.88	7.74	5.24	2.32	0.08			18.91
St Dev					0.11	0.25	0.40	2.12	2.01	0.09			4.53
Net Irr						1.27	7.66	4.47	1.97				15.35
Safflower					0.65	6.95	10.20	6.71	2.79	0.16			27.45
St Dev					0.21	0.94	0.57	3.82	2.42	0.24			7.07
Net Irr						5.33	10.11	5.93	2.43				23.81
Sorghum					0.57	3.07	8.51	6.57	2.98				21.70
St Dev					0.15	0.43	0.46	2.82	2.59				5.68
Net Irr						1.45	8.42	5.79	2.63				18.30

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Cache Junction

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 41.82, Long: -111.98, Elev: 4431 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.57	2.92	7.29	8.96	0.82					20.57
St Dev				0.06	0.61	0.77	0.95	0.26					1.19
Net Irr					1.30	5.68	8.87	0.04					15.89
Winter Wheat			0.34	1.36	3.22	7.39	6.34	0.13					18.78
St Dev			0.04	0.08	0.91	0.77	1.30	0.11					1.23
Net Irr				0.20	1.59	5.77	6.26						13.82
Garden					1.09	2.75	6.66	5.94	1.77				18.20
St Dev					0.15	0.38	0.42	2.51	1.54				4.24
Net Irr						1.13	6.57	5.16	1.41				14.27
Small Fruit					0.56	3.38	9.05	7.10	2.97				23.06
St Dev					0.10	0.45	0.51	3.11	2.57				5.76
Net Irr						1.77	8.96	6.33	2.62				19.66
Turfgrass				1.52	3.24	4.45	6.16	4.46	2.66	0.33			22.81
St Dev				0.17	0.35	0.55	0.35	1.74	2.31	0.45			4.60
Net Irr				0.36	1.62	2.83	6.07	3.68	2.31				16.86
Turfgrass Dixie				1.69	3.18	4.73	6.67	4.83	2.88	0.35			24.33
St Dev				0.18	0.33	0.59	0.38	1.89	2.50	0.49			4.96
Net Irr				0.53	1.56	3.11	6.58	4.05	2.53				18.35
Open Water Deep	0.58	0.50	1.09	2.16	2.39	3.01	5.33	4.71	3.71	2.35	1.42	0.70	27.95
St Dev	0.11	0.10	0.17	0.22	0.23	0.68	0.54	1.13	0.31	0.41	0.07	0.16	1.91
Net Evap			0.30	0.70	0.36	0.99	5.22	3.74	3.27	0.64			15.20
Open Water Shallow	0.59	1.04	2.17	3.49	4.43	5.10	6.56	5.37	4.30	2.35	1.13	0.53	37.06
St Dev	0.08	0.05	0.08	0.15	0.47	0.40	0.22	0.77	0.09	0.25	0.15	0.09	1.43
Net Evap			1.37	2.04	2.40	3.08	6.45	4.39	3.86	0.64			24.23
Wetlands Large						3.25	9.85	7.66	4.65	0.57			25.98
St Dev						0.48	0.41	3.29	4.04	0.79			8.48
Net ET						1.64	9.76	6.88	4.30				22.58
Wetlands Narrow						4.30	14.01	10.95	6.65	0.82			36.71
St Dev						0.66	0.58	4.70	5.77	1.13			12.11
Net ET						2.68	13.92	10.17	6.29				33.06
ETr	0.79	1.18	2.75	5.03	6.23	7.41	10.26	8.27	6.70	3.58	1.78	0.79	54.77
St Dev	0.11	0.12	0.23	0.36	0.65	0.92	0.59	1.51	0.24	0.51	0.24	0.20	2.76

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Circleville

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 38.15, Long: -112.25, Elev: 6120 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.33	28.16	35.62	41.30	50.39	59.78	68.63	65.09	57.22	45.14	34.36	24.47	44.37
St Dev	2.75	3.06	0.37	0.92	4.69	1.81	0.62	1.89	1.12	2.57	3.33	7.95	0.25
Precip (in)	0.24	0.53	0.21	0.63	1.25	1.31	2.13	2.23	1.16	1.77	0.28	1.47	13.21
St Dev	0.15	0.41	0.13	0.53	1.72	2.04	2.39	3.37	1.61	2.70	0.34	1.34	14.62
Aridity Adj. (F)													
Est. Dewpoint (F)	12.77	16.41	15.42	15.85	24.43	29.33	39.40	35.88	28.59	23.54	16.65	13.68	22.66
Rs (langley/day)	242	328	460	563	610	645	576	567	487	345	256	197	440
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)				0.64	6.04	7.42	8.52	6.15	1.79				30.55
St Dev				0.15	0.72	0.86	0.43	2.91	1.55				4.44
Net Irr				0.13	5.04	6.37	6.82	4.37	0.86				23.59
Alfalfa (Dairy)				0.64	6.04	7.23	6.96	5.74	1.68				28.30
St Dev				0.15	0.72	0.73	0.26	1.56	1.50				3.25
Net Irr				0.13	5.04	6.19	5.26	3.96	0.75				21.34
Apples / Cherries					3.13	8.66	9.87	8.21	4.53	0.60			35.01
St Dev					0.16	1.04	0.22	2.37	3.92	0.92			7.04
Net Irr					2.13	7.62	8.17	6.42	3.60				27.95
Barley				0.29	3.03	8.93	8.58	0.69					21.51
St Dev				0.06	0.79	0.59	0.29	0.22					0.30
Net Irr					2.03	7.88	6.88						16.79
Corn					0.74	2.99	8.14	7.45	1.94				21.26
St Dev					0.03	0.44	0.21	2.02	1.83				3.67
Net Irr						1.94	6.44	5.67	1.01				15.06
Melon					0.68	4.31	6.17	5.13	1.14				17.42
St Dev					0.04	0.55	0.14	1.48	1.72				2.66
Net Irr						3.26	4.47	3.35	0.20				11.28
Onion					1.63	5.24	8.79	7.34	1.26				24.26
St Dev					0.09	0.61	0.23	2.53	1.98				3.88
Net Irr					0.63	4.19	7.09	5.55	0.33				17.80
Other Hay				0.63	6.46	9.90	6.58	2.95	1.22	0.13			27.86
St Dev				0.15	0.42	1.13	0.11	0.79	1.06	0.19			2.09
Net Irr				0.12	5.46	8.86	4.88	1.17	0.29				20.77
Other Orchard					2.92	8.26	9.11	7.57	4.15	0.54			32.55
St Dev					0.15	0.99	0.20	2.19	3.59	0.83			6.45
Net Irr					1.92	7.21	7.41	5.79	3.22				25.56
Pasture				0.41	4.05	6.47	6.46	5.19	2.82	0.34			25.73
St Dev				0.09	0.24	0.74	0.14	1.85	2.46	0.53			4.81
Net Irr					3.05	5.42	4.75	3.41	1.89				18.53
Potato					0.74	3.26	6.97	5.85	1.69				18.49
St Dev					0.03	0.36	0.16	1.63	1.58				3.03
Net Irr						2.21	5.26	4.07	0.75				12.29
Safflower					1.31	9.16	9.46	6.91	2.82	0.22			29.89
St Dev					0.13	1.09	0.26	3.55	2.52	0.35			6.42
Net Irr					0.31	8.12	7.76	5.13	1.89				23.22
Sorghum					0.92	4.15	8.06	7.10	2.19				22.43
St Dev					0.04	0.53	0.21	2.05	2.00				4.06
Net Irr						3.11	6.36	5.32	1.26				16.04

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Circleville

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 38.15, Long: -112.25, Elev: 6120 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.29	2.86	8.63	9.23	1.79					22.80
St Dev				0.06	0.76	0.48	0.20	0.34					0.30
Net Irr					1.86	7.58	7.52	0.01					16.98
Winter Wheat			0.23	1.57	3.46	9.08	7.24	0.36					21.94
St Dev			0.04	0.11	0.90	0.66	0.65	0.10					0.54
Net Irr			0.07	1.06	2.46	8.04	5.54						17.16
Garden					0.92	3.06	5.46	6.46	1.13				17.03
St Dev					0.04	0.37	0.18	1.88	1.66				3.09
Net Irr						2.01	3.76	4.68	0.20				10.64
Small Fruit					0.64	4.06	8.23	7.52	1.50				21.95
St Dev					0.04	0.52	0.24	2.27	2.28				4.03
Net Irr						3.01	6.53	5.74	0.57				15.85
Turfgrass				0.66	3.71	5.59	5.70	4.73	2.72	0.41			23.52
St Dev				0.14	0.28	0.65	0.12	1.37	2.36	0.64			4.34
Net Irr				0.15	2.71	4.54	3.99	2.95	1.79				16.14
Turfgrass Dixie				0.73	3.90	5.62	6.17	5.13	2.95	0.45			24.95
St Dev				0.16	0.33	0.66	0.14	1.48	2.55	0.69			4.74
Net Irr				0.23	2.90	4.58	4.47	3.35	2.02				17.54
Open Water Deep	0.93	1.00	2.06	2.59	3.51	4.99	5.32	5.37	3.73	2.87	1.84	1.15	35.35
St Dev	0.09	0.33	0.30	0.22	0.52	0.75	0.12	0.51	0.29	0.28	0.27	0.38	1.29
Net Evap	0.69	0.47	1.85	1.95	2.26	3.69	3.19	3.14	2.57	1.10	1.56		22.47
Open Water Shallow	1.04	1.58	3.15	4.17	5.16	5.81	5.87	5.67	4.42	2.80	1.63	0.97	42.26
St Dev	0.15	0.19	0.11	0.19	0.36	0.63	0.06	0.19	0.25	0.28	0.18	0.16	0.49
Net Evap	0.80	1.05	2.94	3.54	3.91	4.50	3.75	3.44	3.26	1.03	1.35		29.56
Wetlands Large					0.42	5.83	9.75	8.28	2.70				26.99
St Dev					0.26	0.95	0.42	2.40	2.53				5.95
Net ET						4.79	8.05	6.50	1.77				21.11
Wetlands Narrow					0.49	7.97	13.92	11.84	3.86				38.08
St Dev					0.32	1.39	0.60	3.42	3.62				8.55
Net ET						6.93	12.22	10.05	2.93				32.13
ETr	1.46	2.01	4.46	6.09	7.80	9.52	9.49	8.93	7.07	4.47	2.67	1.53	65.51
St Dev	0.21	0.42	0.50	0.46	0.66	1.09	0.21	0.49	0.47	0.59	0.39	0.33	2.09

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Eastland

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 37.78, Long: -109.17, Elev: 6845 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.15	27.11	35.30	43.07	52.69	63.18	70.90	67.89	61.54	47.50	36.72	25.91	46.25
St Dev	3.94	3.33	3.11	0.41	4.22	1.64	0.84	1.83	1.31	3.30	3.88	6.44	0.50
Precip (in)	0.83	0.61	0.44	0.59	1.19	0.70	0.92	2.06	1.40	1.34	0.70	1.06	11.85
St Dev	0.48	0.50	0.76	0.29	1.15	0.46	0.59	2.15	1.18	0.73	0.44	1.19	3.84
Aridity Adj. (F)													
Est. Dewpoint (F)	14.12	17.05	16.71	15.73	23.74	27.97	39.47	36.97	30.83	23.89	18.98	16.69	23.51
Rs (langley/day)	250	335	469	569	627	677	623	582	490	364	270	193	454
Wind (mpd)	203	193	237	264	233	190	147	156	164	195	195	198	198
Calc. Wind Limit (mpd)	118	132	132	132	132	132	132	132	132	132	132	129	131
	.....Inches.....												
Alfalfa (Beef)				1.78	7.02	7.65	8.45	7.18	3.80	0.76			36.64
St Dev				0.69	0.78	0.63	0.31	2.64	3.32	1.17			7.23
Net Irr				1.31	6.07	7.09	7.71	5.53	2.68				30.39
Alfalfa (Dairy)				1.78	6.66	7.62	8.01	6.02	3.77	0.68			34.53
St Dev				0.69	0.16	0.70	0.79	2.78	3.27	1.14			7.43
Net Irr				1.31	5.70	7.06	7.27	4.37	2.64				28.36
Apples / Cherries				0.84	5.58	10.20	11.00	8.75	4.50	0.57			41.44
St Dev				0.53	0.60	0.87	0.63	3.23	3.92	0.88			8.68
Net Irr				0.36	4.62	9.64	10.26	7.10	3.37				35.37
Barley				0.92	4.63	10.09	6.73						22.37
St Dev				0.30	1.31	0.78	1.30						0.61
Net Irr				0.45	3.68	9.53	5.99						19.65
Corn					0.71	2.95	9.11	7.79	2.87	0.18			23.61
St Dev					0.22	0.20	0.64	2.68	2.52	0.27			5.95
Net Irr						2.39	8.37	6.15	1.75				18.66
Melon					0.65	4.30	6.86	5.49	3.26	0.25			20.82
St Dev					0.24	0.52	0.41	2.04	2.83	0.35			6.08
Net Irr						3.74	6.12	3.84	2.14				15.85
Onion					2.92	6.45	10.39	8.10	2.85				30.71
St Dev					0.59	0.42	0.76	3.60	2.57				7.34
Net Irr					1.97	5.89	9.65	6.46	1.73				25.69
Other Hay				1.82	7.57	10.02	5.76	2.92	1.17	0.05			29.31
St Dev				0.68	0.61	1.19	0.32	0.98	1.03	0.09			2.31
Net Irr				1.34	6.62	9.46	5.02	1.27	0.04				23.76
Other Orchard				0.81	5.28	9.52	10.16	8.07	4.06	0.52			38.41
St Dev				0.49	0.60	0.84	0.59	2.97	3.54	0.81			7.90
Net Irr				0.33	4.33	8.96	9.42	6.42	2.93				32.39
Pasture				1.91	5.23	6.80	7.19	5.54	3.07	0.36			30.10
St Dev				0.61	0.36	0.63	0.42	2.45	2.70	0.57			6.26
Net Irr				1.43	4.28	6.24	6.45	3.90	1.94				24.24
Potato					1.02	4.53	8.14	5.82	1.66				21.17
St Dev					0.31	0.21	0.51	1.99	1.71				4.10
Net Irr					0.07	3.97	7.40	4.17	0.53				16.15
Safflower					1.21	9.31	10.57	7.53	3.13	0.24			31.97
St Dev					0.71	0.79	0.63	4.18	2.85	0.39			8.54
Net Irr					0.25	8.75	9.83	5.88	2.00				26.72
Sorghum					0.88	4.21	8.85	7.60	2.86				24.39
St Dev					0.28	0.48	0.93	2.82	2.57				6.74
Net Irr						3.65	8.11	5.96	1.73				19.45

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Eastland

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 37.78, Long: -109.17, Elev: 6845 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.91	4.42	9.97	7.93	0.30					23.52
St Dev				0.28	1.27	0.68	1.03	0.26					0.56
Net Irr				0.43	3.47	9.41	7.19						20.50
Winter Wheat			0.64	1.70	4.67	10.08	5.12	0.01					22.23
St Dev			0.17	0.14	1.04	0.83	1.12	0.01					0.80
Net Irr			0.29	1.22	3.72	9.52	4.39						19.15
Garden					1.59	3.81	7.10	6.72	1.74				20.96
St Dev					0.34	0.26	0.86	2.34	1.57				4.96
Net Irr					0.63	3.25	6.36	5.08	0.61				15.94
Small Fruit					0.92	4.77	9.53	8.15	4.03	0.14			27.54
St Dev					0.31	0.51	1.07	3.13	3.59	0.24			8.29
Net Irr						4.21	8.79	6.51	2.91				22.42
Turfgrass				2.17	4.35	6.00	6.35	5.07	3.01	0.46			27.39
St Dev				0.47	0.32	0.56	0.37	1.88	2.62	0.70			5.58
Net Irr				1.70	3.39	5.44	5.61	3.42	1.89				21.44
Turfgrass Dixie				2.40	4.22	6.42	6.88	5.49	3.26	0.49			29.16
St Dev				0.51	0.29	0.56	0.40	2.04	2.83	0.76			6.08
Net Irr				1.92	3.27	5.86	6.14	3.84	2.14				23.18
Open Water Deep	1.22	1.32	2.18	3.09	4.47	6.65	7.75	7.62	6.22	4.42	2.93	1.49	49.37
St Dev	0.26	0.48	0.71	0.23	0.45	0.89	1.01	1.80	0.64	0.53	0.35	0.34	3.29
Net Evap	0.39	0.71	1.74	2.50	3.28	5.95	6.83	5.57	4.82	3.08	2.22	0.44	37.52
Open Water Shallow	1.13	1.63	3.21	4.42	5.58	6.42	6.62	6.19	4.99	3.25	1.93	1.01	46.38
St Dev	0.20	0.28	0.36	0.22	0.22	0.52	0.17	0.54	0.34	0.20	0.17	0.08	1.00
Net Evap	0.30	1.02	2.77	3.83	4.39	5.72	5.70	4.13	3.59	1.91	1.23		34.58
Wetlands Large					0.06	4.39	10.25	8.87	5.27	0.80			29.63
St Dev					0.10	0.58	1.04	3.29	4.58	1.23			9.85
Net ET						3.83	9.51	7.22	4.14				24.71
Wetlands Narrow					0.06	5.82	14.59	12.67	7.52	1.14			41.80
St Dev					0.11	0.87	1.52	4.71	6.54	1.76			14.10
Net ET						5.26	13.85	11.02	6.40	0.07			36.61
ETr	1.42	1.93	4.08	6.07	8.03	9.99	10.58	9.53	7.78	4.99	2.99	1.44	68.83
St Dev	0.29	0.54	0.85	0.40	0.38	0.93	0.61	1.30	0.58	0.49	0.30	0.23	2.82

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Ephraim

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 39.42, Long: -111.57, Elev: 5504 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.34	26.13	35.01	42.28	50.66	60.26	69.71	65.89	58.45	45.57	34.97	21.15	43.95
St Dev	2.68	6.09	2.90	1.53	3.80	1.21	0.90	1.38	1.34	3.25	2.94	9.12	0.71
Precip (in)	0.52	0.52	0.42	0.58	0.74	0.96	0.42	0.62	0.50	0.75	0.47	1.21	7.70
St Dev	0.39	0.08	0.32	0.31	0.40	0.43	0.22	0.36	0.49	0.39	0.23	1.27	1.74
Aridity Adj. (F)													
Est. Dewpoint (F)	12.52	18.13	18.07	20.50	28.54	35.30	39.81	36.33	29.33	25.14	19.81	13.78	24.77
Rs (langleys/day)	215	295	373	480	575	642	642	583	446	247	198	166	405
Wind (mpd)	70	72	104	128	110	92	79	89	73	73	68	67	85
Calc. Wind Limit (mpd)	96	96	104	123	110	96	96	96	96	96	96	96	100
	.....Inches.....												
Alfalfa (Beef)				0.75	5.42	6.20	8.35	5.96	1.76				28.44
St Dev				0.20	0.62	0.41	0.46	2.56	1.54				4.41
Net Irr				0.28	4.83	5.43	8.01	5.46	1.36				25.39
Alfalfa (Dairy)				0.75	5.42	6.23	6.97	5.53	2.11				27.01
St Dev				0.20	0.62	0.44	0.19	1.48	1.88				3.85
Net Irr				0.28	4.83	5.46	6.63	5.04	1.71				23.96
Apples / Cherries					3.23	7.69	9.82	7.82	4.05	0.47			33.09
St Dev					0.27	0.68	0.16	2.00	3.51	0.73			6.26
Net Irr					2.64	6.93	9.48	7.33	3.65				30.02
Barley				0.33	2.75	7.74	8.20	0.45					19.47
St Dev				0.08	0.63	0.34	0.37	0.20					0.34
Net Irr					2.16	6.98	7.86						17.00
Corn					0.81	2.78	8.34	7.02	2.05				21.01
St Dev					0.20	0.14	0.41	1.61	1.78				3.99
Net Irr					0.22	2.02	8.00	6.53	1.65				18.42
Melon					0.79	4.03	6.14	4.89	1.04				16.89
St Dev					0.24	0.13	0.10	1.25	1.62				2.84
Net Irr					0.20	3.27	5.80	4.40	0.64				14.30
Onion					2.22	5.11	9.23	6.83	1.12				24.52
St Dev					0.18	0.45	0.16	2.21	1.80				3.69
Net Irr					1.63	4.35	8.89	6.34	0.72				21.93
Other Hay				0.75	5.86	8.38	6.12	2.77	1.08	0.09			25.04
St Dev				0.20	0.46	0.70	0.12	0.65	0.93	0.13			2.12
Net Irr				0.28	5.27	7.61	5.78	2.28	0.67				21.89
Other Orchard					3.03	7.28	9.06	7.22	3.70	0.42			30.72
St Dev					0.25	0.65	0.15	1.85	3.20	0.65			5.73
Net Irr					2.44	6.52	8.72	6.73	3.29				27.70
Pasture				0.47	3.70	5.51	6.42	4.94	2.55	0.27			23.86
St Dev				0.12	0.29	0.46	0.11	1.61	2.22	0.42			4.47
Net Irr				0.01	3.11	4.74	6.08	4.44	2.15				20.54
Potato					0.94	3.27	7.15	5.43	1.85				18.63
St Dev					0.10	0.05	0.19	1.28	1.60				3.16
Net Irr					0.35	2.50	6.81	4.93	1.45				16.04
Safflower					1.71	7.95	9.40	6.50	2.49	0.17			28.22
St Dev					0.68	0.58	0.22	3.18	2.22	0.27			6.00
Net Irr					1.12	7.19	9.06	6.01	2.08				25.46
Sorghum					1.01	3.99	8.19	6.77	1.99				21.95
St Dev					0.24	0.16	0.27	1.73	1.77				3.99
Net Irr					0.42	3.23	7.85	6.28	1.59				19.36

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Ephraim

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 39.42, Long: -111.57, Elev: 5504 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.33	2.61	7.55	8.86	1.33					20.68
St Dev				0.08	0.61	0.30	0.30	0.44					0.21
Net Irr					2.03	6.78	8.53	0.83					18.17
Winter Wheat			0.55	1.44	3.52	8.02	6.16	0.15					19.83
St Dev			0.11	0.06	0.94	0.47	0.84	0.13					0.40
Net Irr			0.21	0.97	2.93	7.26	5.82						17.19
Garden					1.21	3.02	6.19	6.12	0.85				17.39
St Dev					0.12	0.28	0.13	1.48	1.28				2.50
Net Irr					0.62	2.26	5.85	5.62	0.44				14.80
Small Fruit					0.91	4.34	8.80	7.03	1.37				22.45
St Dev					0.09	0.35	0.19	1.91	2.14				3.68
Net Irr					0.32	3.58	8.46	6.54	0.96				19.86
Turfgrass				0.74	3.28	4.79	5.66	4.51	2.46	0.33			21.78
St Dev				0.18	0.26	0.41	0.09	1.16	2.14	0.52			4.02
Net Irr				0.27	2.69	4.03	5.33	4.02	2.06				18.40
Turfgrass Dixie				0.82	3.41	4.89	6.14	4.89	2.67	0.36			23.17
St Dev				0.20	0.28	0.43	0.10	1.25	2.31	0.56			4.37
Net Irr				0.36	2.82	4.12	5.80	4.40	2.27				19.76
Open Water Deep	0.50	0.65	1.36	2.07	2.58	3.23	4.40	4.51	2.98	2.09	1.28	0.64	26.29
St Dev	0.03	0.37	0.41	0.14	0.28	0.28	0.12	0.18	0.18	0.18	0.11	0.17	0.36
Net Evap		0.13	0.94	1.49	1.84	2.27	3.97	3.90	2.48	1.35	0.81		19.17
Open Water Shallow	0.71	1.27	2.48	3.60	4.74	5.47	6.21	5.66	4.08	2.13	1.27	0.67	38.28
St Dev	0.09	0.24	0.28	0.30	0.36	0.42	0.11	0.07	0.17	0.51	0.18	0.12	1.59
Net Evap	0.19	0.75	2.06	3.02	4.00	4.51	5.79	5.05	3.58	1.39	0.80		31.12
Wetlands Large					0.27	4.71	9.56	7.90	3.24				25.67
St Dev					0.38	0.56	0.43	2.02	2.81				5.89
Net ET						3.94	9.23	7.40	2.83				23.40
Wetlands Narrow					0.32	6.39	13.65	11.28	4.62				36.26
St Dev					0.46	0.92	0.62	2.89	4.01				8.44
Net ET						5.62	13.31	10.79	4.22				33.94
ETr	0.90	1.51	3.46	5.25	6.81	8.10	9.44	8.60	6.29	3.58	2.00	1.01	56.95
St Dev	0.10	0.43	0.62	0.42	0.57	0.68	0.15	0.12	0.26	0.50	0.29	0.23	1.62

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Green River

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 39.02, Long: -110.17, Elev: 4107 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.21	31.29	42.72	50.77	60.97	70.56	79.19	74.08	66.27	51.97	38.77	23.54	50.86
St Dev	5.39	7.68	1.23	1.82	4.49	1.37	0.73	1.86	1.01	2.31	1.54	11.65	0.62
Precip (in)	0.56	0.48	0.25	0.16	0.62	0.45	0.18	0.65	0.56	0.80	0.40	0.94	6.05
St Dev	0.50	0.39	0.43	0.11	0.81	0.39	0.10	0.60	0.08	0.97	0.24	0.28	2.08
Aridity Adj. (F)													
Est. Dewpoint (F)	13.34	20.10	17.56	19.15	29.88	36.97	45.95	44.13	36.36	28.36	19.69	14.18	27.14
Rs (langleys/day)	217	305	438	536	620	660	646	549	470	345	253	168	434
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)			0.11	4.35	7.14	8.63	7.52	5.27	3.06	0.47			36.55
St Dev			0.15	1.22	0.11	1.03	0.78	0.93	2.66	0.69			5.39
Net Irr				4.22	6.65	8.27	7.38	4.75	2.61				33.87
Alfalfa (Dairy)			0.11	4.35	6.59	7.01	7.34	5.23	2.81	0.53			33.98
St Dev			0.15	1.22	0.16	0.51	0.16	1.16	2.43	0.76			5.19
Net Irr				4.22	6.10	6.65	7.19	4.71	2.36				31.23
Apples / Cherries				2.76	7.86	9.88	10.18	7.77	4.75	1.77			44.97
St Dev				0.91	0.66	0.81	0.28	0.05	0.46	0.35			0.35
Net Irr				2.64	7.37	9.51	10.03	7.25	4.30	1.13			42.23
Barley			0.15	2.24	7.98	8.53	0.69						19.59
St Dev			0.16	0.50	0.62	1.46	0.48						0.93
Net Irr				2.12	7.48	8.16	0.54						18.31
Corn				0.07	1.95	6.64	9.27	3.08					21.00
St Dev				0.11	0.59	0.65	0.28	0.53					0.67
Net Irr					1.45	6.28	9.12	2.56					19.41
Melon				0.05	2.14	5.73	6.36	4.41	1.42				20.12
St Dev				0.09	0.58	0.43	0.18	1.20	1.24				3.15
Net Irr					1.65	5.36	6.22	3.89	0.97				18.09
Onion				0.89	4.57	8.26	9.79	5.77	0.58				29.86
St Dev				0.58	0.21	0.67	0.27	1.97	0.51				3.34
Net Irr				0.76	4.08	7.89	9.64	5.25	0.13				27.76
Other Hay			0.11	4.51	9.08	7.88	4.06	2.32	0.85				28.81
St Dev			0.14	1.42	0.36	1.60	0.52	0.13	0.40				0.77
Net Irr				4.39	8.58	7.52	3.91	1.80	0.40				26.60
Other Orchard				2.58	7.50	9.12	9.40	7.12	4.33	1.76			41.81
St Dev				0.86	0.60	0.75	0.26	0.04	0.37	0.33			0.33
Net Irr				2.45	7.01	8.76	9.25	6.60	3.88	1.12			39.07
Pasture			0.33	3.39	5.98	6.46	6.66	5.27	3.89	1.77			33.75
St Dev			0.31	0.79	0.18	0.53	0.19	0.12	0.19	0.14			0.77
Net Irr			0.14	3.27	5.48	6.10	6.51	4.75	3.44	1.13			30.81
Potato				0.21	2.58	6.74	6.99	1.64					18.15
St Dev				0.20	0.71	0.20	0.26	0.61					0.07
Net Irr				0.08	2.08	6.37	6.84	1.12					16.50
Safflower				0.07	5.44	9.49	9.79	7.40	3.69	0.40			36.28
St Dev				0.11	1.36	0.77	0.27	0.07	0.68	0.31			0.17
Net Irr					4.94	9.13	9.64	6.88	3.24				33.84
Sorghum				0.08	2.30	6.42	8.77	6.11	0.17				23.86
St Dev				0.14	0.53	0.68	0.24	1.66	0.30				2.95
Net Irr					1.81	6.06	8.62	5.59					22.08

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Green River

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 39.02, Long: -110.17, Elev: 4107 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.15	2.13	7.70	9.15	1.63						20.76
St Dev			0.16	0.48	0.69	1.37	0.80						1.00
Net Irr				2.00	7.21	8.78	1.48						19.48
Winter Wheat		0.01	1.08	2.92	8.41	6.75	0.28						19.45
St Dev		0.01	0.40	0.30	0.59	1.81	0.21						0.95
Net Irr			0.88	2.80	7.92	6.38	0.14						18.12
Garden				0.54	2.58	4.97	7.78	4.43	0.30				20.61
St Dev				0.32	0.14	0.43	0.29	0.66	0.26				1.75
Net Irr				0.41	2.09	4.61	7.63	3.91					18.66
Small Fruit				0.16	2.44	6.89	9.66	6.17	1.41				26.73
St Dev				0.15	0.47	0.59	0.27	1.78	1.23				4.06
Net Irr				0.04	1.95	6.53	9.51	5.65	0.95				24.64
Turfgrass			0.52	3.16	5.13	5.70	5.87	4.65	3.53	1.94			30.50
St Dev			0.47	0.35	0.24	0.47	0.16	0.11	0.14	0.14			0.70
Net Irr			0.32	3.03	4.64	5.34	5.73	4.13	3.07	1.30			27.57
Turfgrass Dixie			0.57	3.32	5.12	6.17	6.36	5.04	3.82	2.11			32.52
St Dev			0.52	0.27	0.35	0.50	0.18	0.12	0.15	0.15			0.75
Net Irr			0.38	3.20	4.63	5.81	6.22	4.52	3.37	1.46			29.58
Open Water Deep	0.49	0.82	2.17	3.44	4.73	5.11	5.54	4.22	2.91	2.18	1.40	0.70	33.72
St Dev	0.20	0.51	0.52	0.15	0.34	0.61	0.31	0.16	0.12	0.29	0.04	0.32	0.47
Net Evap		0.34	1.92	3.28	4.12	4.66	5.36	3.57	2.35	1.37	1.00		27.98
Open Water Shallow	0.80	1.50	3.31	4.59	5.89	6.30	6.77	5.70	4.48	2.88	1.62	0.75	44.59
St Dev	0.19	0.44	0.32	0.15	0.23	0.39	0.08	0.22	0.09	0.07	0.06	0.25	0.96
Net Evap	0.24	1.02	3.07	4.43	5.27	5.85	6.58	5.05	3.92	2.08	1.22		38.73
Wetlands Large					1.67	7.60	10.26	7.13	4.02	0.75			31.42
St Dev					0.68	0.80	0.28	1.94	3.48	1.07			7.37
Net ET					1.18	7.23	10.11	6.61	3.57	0.11			28.80
Wetlands Narrow					2.10	10.65	14.65	10.18	5.74	1.07			44.39
St Dev					0.91	1.21	0.39	2.77	4.97	1.53			10.56
Net ET					1.60	10.29	14.50	9.66	5.29	0.43			41.77
ETr	0.91	1.78	4.67	6.90	8.86	9.50	9.79	7.75	5.88	3.73	2.17	1.04	62.97
St Dev	0.27	0.73	0.79	0.21	0.24	0.78	0.27	0.18	0.23	0.27	0.05	0.34	1.32

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Holden

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 39.2, Long: -112.4, Elev: 4741 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.93	33.19	39.09	44.39	53.66	64.89	75.52	71.69	63.74	49.56	37.52	25.90	48.76
St Dev	1.14	2.45	0.93	1.44	4.62	0.95	0.59	1.61	1.51	3.26	3.41	6.39	0.21
Precip (in)	0.67	0.56	0.46	0.75	1.40	1.02	0.45	0.32	0.21	1.10	0.53	1.04	8.52
St Dev	0.26	0.40	0.32	0.62	0.73	0.66	0.31	0.22	0.18	0.98	0.23	0.78	3.25
Aridity Adj. (F)													
Est. Dewpoint (F)	18.35	22.22	19.57	22.19	29.61	34.30	40.34	37.09	31.62	27.89	22.35	18.12	26.97
Rs (langleys/day)	208	285	402	507	596	638	644	598	514	331	233	177	428
Wind (mpd)	86	95	137	147	125	120	113	123	109	103	91	88	112
Calc. Wind Limit (mpd)	96	96	132	132	124	116	113	123	101	96	96	96	110
	.....Inches.....												
Alfalfa (Beef)				3.03	6.81	7.64	8.27	7.72	4.43	0.43			38.32
St Dev				0.46	0.62	0.45	0.24	1.68	3.85	0.71			7.42
Net Irr				2.43	5.68	6.83	7.91	7.47	4.26				34.58
Alfalfa (Dairy)				3.03	6.40	7.28	8.58	6.49	3.68	0.33			35.78
St Dev				0.46	0.29	1.04	0.30	2.64	3.19	0.52			7.21
Net Irr				2.43	5.28	6.47	8.21	6.23	3.52				32.14
Apples / Cherries					4.33	9.23	11.69	10.85	7.37	1.44			44.92
St Dev					0.49	0.92	0.21	0.18	0.41	1.32			1.58
Net Irr					3.21	8.42	11.33	10.59	7.20	0.55			41.31
Barley				1.31	5.27	9.64	4.79						21.01
St Dev				0.08	1.17	0.90	1.15						0.81
Net Irr				0.71	4.15	8.83	4.43						18.12
Corn					1.21	4.38	10.76	7.17	0.48				24.00
St Dev					0.30	0.61	0.45	1.28	0.42				2.99
Net Irr					0.09	3.57	10.40	6.91	0.32				21.28
Melon					1.31	5.32	7.31	5.94	2.63				22.51
St Dev					0.32	0.55	0.13	1.52	2.27				4.42
Net Irr					0.19	4.51	6.95	5.69	2.46				19.79
Onion					3.11	6.58	11.18	8.65	2.59				32.11
St Dev					0.41	0.72	0.21	3.02	2.26				5.90
Net Irr					1.99	5.76	10.82	8.39	2.43				29.39
Other Hay				3.28	7.76	8.38	4.72	3.25	1.29				28.69
St Dev				0.49	0.91	0.82	0.06	0.06	0.17				1.17
Net Irr				2.68	6.63	7.57	4.36	2.99	1.13				25.37
Other Orchard					4.08	8.70	10.79	10.02	6.71	1.31			41.60
St Dev					0.45	0.86	0.19	0.17	0.37	1.22			1.45
Net Irr					2.96	7.88	10.43	9.76	6.54	0.43			38.00
Pasture				2.19	5.06	6.39	7.65	7.09	4.80	0.97			34.15
St Dev				0.28	0.56	0.58	0.14	0.13	0.50	0.99			1.25
Net Irr				1.59	3.94	5.58	7.28	6.83	4.64	0.09			29.95
Potato					1.42	5.03	8.62	5.48	0.09				20.64
St Dev					0.27	0.55	0.15	0.94	0.15				1.89
Net Irr					0.30	4.21	8.26	5.22					17.99
Safflower					3.31	9.38	11.24	10.06	4.89	0.52			39.41
St Dev					0.81	0.85	0.20	0.34	1.04	0.48			1.56
Net Irr					2.18	8.57	10.88	9.80	4.73				36.16
Sorghum					1.50	5.61	10.01	8.23	1.51				26.86
St Dev					0.35	0.60	0.23	2.11	1.31				4.28
Net Irr					0.38	4.80	9.64	7.98	1.34				24.14

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Holden

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 39.2, Long: -112.4, Elev: 4741 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.27	4.98	9.62	6.44						22.30
St Dev				0.08	1.21	0.86	1.24						0.88
Net Irr				0.67	3.86	8.81	6.08						19.40
Winter Wheat			0.97	1.78	5.33	9.52	3.28						20.88
St Dev			0.12	0.12	1.20	0.97	1.22						0.84
Net Irr			0.61	1.18	4.21	8.71	2.91						17.62
Garden					1.71	3.88	7.96	7.22	1.56				22.32
St Dev					0.22	0.42	0.16	1.63	1.36				3.39
Net Irr					0.58	3.07	7.60	6.96	1.39				19.60
Small Fruit					1.48	5.89	10.90	8.57	3.17				30.01
St Dev					0.18	0.67	0.22	2.45	2.76				5.63
Net Irr					0.36	5.08	10.53	8.31	3.01				27.29
Turfgrass				2.40	4.23	5.64	6.75	6.26	4.58	1.10			30.95
St Dev				0.23	0.47	0.51	0.12	0.11	0.23	1.04			1.06
Net Irr				1.80	3.11	4.83	6.38	6.00	4.41	0.21			26.75
Turfgrass Dixie				2.64	4.10	6.10	7.31	6.78	4.96	1.19			33.08
St Dev				0.24	0.45	0.55	0.13	0.12	0.25	1.12			1.19
Net Irr				2.04	2.98	5.29	6.95	6.53	4.80	0.30			28.88
Open Water Deep	0.90	1.12	2.17	2.49	3.38	5.15	7.70	7.86	4.84	3.11	1.85	0.91	41.47
St Dev	0.08	0.28	0.32	0.26	0.62	0.69	0.27	0.37	0.35	0.37	0.24	0.16	1.95
Net Evap	0.22	0.56	1.71	1.74	1.97	4.13	7.25	7.54	4.63	2.00	1.32		33.08
Open Water Shallow	0.94	1.53	2.96	3.90	5.14	5.93	6.90	6.45	4.97	2.85	1.54	0.80	43.90
St Dev	0.04	0.15	0.19	0.20	0.45	0.50	0.07	0.13	0.16	0.22	0.18	0.11	1.20
Net Evap	0.26	0.97	2.50	3.15	3.74	4.91	6.45	6.13	4.76	1.74	1.01		35.62
Wetlands Large					0.77	6.57	11.70	9.60	5.20	0.66			34.50
St Dev					0.41	1.01	0.35	2.46	4.50	1.03			9.15
Net ET						5.76	11.34	9.35	5.03				31.47
Wetlands Narrow					0.93	9.11	16.71	13.72	7.42	0.95			48.83
St Dev					0.52	1.49	0.51	3.52	6.43	1.47			13.09
Net ET						8.29	16.34	13.46	7.26	0.06			45.42
ETr	1.24	1.96	4.34	5.71	7.60	9.40	11.24	10.43	7.63	4.40	2.42	1.17	67.55
St Dev	0.09	0.29	0.40	0.48	0.83	0.85	0.20	0.18	0.39	0.43	0.37	0.20	2.34

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Morgan

	Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 41, Long: -111.68, Elev: 5149 ft, 8/25/2011												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.90	25.88	34.08	41.77	50.49	59.16	67.89	65.29	58.63	46.42	35.23	22.42	44.01
St Dev	4.53	0.86	1.77	1.84	3.68	0.43	0.68	1.17	2.37	3.17	2.98	6.15	0.50
Precip (in)	1.99	1.43	1.39	2.14	1.97	1.87	0.32	1.10	0.77	2.07	1.03	2.39	18.45
St Dev	0.89	0.71	0.81	1.25	1.26	1.11	0.25	0.50	0.27	1.16	0.53	2.52	5.14
Aridity Adj. (F)													
Est. Dewpoint (F)	13.55	17.32	19.76	23.34	30.24	38.34	42.54	39.27	32.76	28.21	21.88	15.16	26.86
Rs (langleys/day)	175	268	374	476	542	617	678	590	478	298	194	137	402
Wind (mpd)	36	37	58	86	78	65	54	57	57	59	57	48	58
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)				1.29	5.04	5.15	6.81	5.11	1.61	0.12			25.14
St Dev				0.12	0.78	0.50	0.75	1.31	1.40	0.21			3.28
Net Irr					3.47	3.66	6.55	4.23	0.99				18.90
Alfalfa (Dairy)				1.29	5.04	5.24	6.06	4.47	1.64	0.12			23.86
St Dev				0.12	0.78	0.56	0.21	1.00	1.45	0.21			3.04
Net Irr					3.47	3.75	5.80	3.59	1.02				17.63
Apples / Cherries				0.37	3.85	6.92	8.42	6.52	3.14	0.41			29.62
St Dev				0.06	0.51	0.92	0.28	1.06	2.73	0.57			4.69
Net Irr					2.28	5.43	8.16	5.64	2.52				24.02
Barley				0.65	3.06	6.78	6.78	0.33					17.60
St Dev				0.08	0.81	0.73	0.83	0.24					0.77
Net Irr					1.49	5.29	6.52						13.29
Corn					0.53	1.91	6.51	6.05	2.12	0.16			17.28
St Dev					0.15	0.22	0.28	0.85	1.86	0.27			3.44
Net Irr						0.42	6.25	5.17	1.50				13.34
Melon					0.49	3.10	5.26	4.07	0.88				13.81
St Dev					0.14	0.34	0.17	0.66	1.38				1.60
Net Irr						1.61	5.00	3.19	0.27				10.07
Onion					2.18	4.52	7.98	5.63	0.94				21.26
St Dev					0.34	0.49	0.26	1.32	1.51				2.30
Net Irr					0.60	3.03	7.73	4.75	0.32				16.43
Other Hay				1.35	5.54	6.82	4.43	2.21	0.82	0.05			21.22
St Dev				0.14	0.67	0.93	0.22	0.33	0.71	0.06			1.90
Net Irr					3.96	5.33	4.17	1.33	0.21				15.00
Other Orchard				0.38	3.62	6.47	7.77	6.01	2.84	0.37			27.46
St Dev				0.06	0.49	0.85	0.25	0.97	2.47	0.52			4.29
Net Irr					2.05	4.98	7.51	5.13	2.22				21.89
Pasture				1.35	3.83	4.63	5.50	4.07	2.08	0.26			21.71
St Dev				0.13	0.49	0.60	0.17	1.02	1.80	0.38			3.39
Net Irr					2.25	3.14	5.24	3.19	1.46				15.28
Potato					0.73	2.60	6.01	4.64	1.80	0.21			15.99
St Dev					0.14	0.25	0.10	0.65	1.59	0.37			2.90
Net Irr						1.11	5.75	3.76	1.18				11.80
Safflower					0.90	6.54	8.07	5.41	2.12	0.18			23.22
St Dev					0.30	0.82	0.23	2.23	1.85	0.27			4.63
Net Irr						5.05	7.81	4.53	1.51				18.89
Sorghum					0.67	2.99	6.84	5.64	2.01				18.15
St Dev					0.19	0.32	0.14	0.92	1.74				2.77
Net Irr						1.50	6.58	4.76	1.40				14.24

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: SCAN Morgan

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 41, Long: -111.68, Elev: 5149 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.65	2.92	6.68	7.33	0.94					18.51
St Dev				0.08	0.76	0.67	0.74	0.36					0.76
Net Irr					1.35	5.19	7.07	0.06					13.66
Winter Wheat				1.11	2.54	6.48	6.39	0.41					16.93
St Dev				0.02	0.74	0.61	1.07	0.22					0.93
Net Irr					0.97	4.99	6.13						12.09
Garden					1.19	2.67	5.51	5.07	0.65				15.08
St Dev					0.18	0.30	0.21	0.74	0.97				1.20
Net Irr						1.18	5.25	4.19	0.03				10.65
Small Fruit					0.67	3.38	7.35	5.91	1.16				18.47
St Dev					0.14	0.35	0.18	1.02	1.83				2.27
Net Irr						1.88	7.09	5.03	0.55				14.55
Turfgrass				1.61	3.17	4.09	4.86	3.76	2.03	0.32			19.83
St Dev				0.11	0.41	0.53	0.16	0.61	1.77	0.45			2.89
Net Irr					1.59	2.59	4.60	2.88	1.42				13.08
Turfgrass Dixie				1.79	3.07	4.38	5.26	4.07	2.20	0.35			21.12
St Dev				0.12	0.39	0.55	0.17	0.66	1.92	0.49			3.09
Net Irr				0.08	1.50	2.89	5.00	3.19	1.59				14.25
Open Water Deep	0.39	0.36	0.80	1.44	1.92	2.13	2.66	2.93	2.28	1.71	1.15	0.49	18.23
St Dev	0.22	0.14	0.39	0.09	0.35	0.55	0.34	0.83	0.68	0.15	0.07	0.15	1.43
Net Evap						0.26	2.33	1.83	1.51		0.12		6.05
Open Water Shallow	0.67	1.10	2.25	3.35	4.35	5.02	6.09	5.42	4.09	2.31	1.19	0.55	36.39
St Dev	0.14	0.04	0.05	0.02	0.47	0.47	0.04	0.18	0.25	0.19	0.15	0.09	0.25
Net Evap			0.86	1.21	2.39	3.15	5.77	4.32	3.32	0.24	0.16		21.43
Wetlands Large					0.05	3.33	7.95	6.58	3.00	0.42			21.32
St Dev					0.08	0.40	0.05	1.07	2.64	0.73			4.66
Net ET						1.83	7.69	5.70	2.38				17.61
Wetlands Narrow					0.05	4.43	11.33	9.40	4.28	0.60			30.10
St Dev					0.09	0.55	0.07	1.53	3.78	1.04			6.65
Net ET						2.94	11.07	8.52	3.67				26.20
ETr	0.76	1.17	2.68	4.39	5.89	6.81	8.09	7.21	5.51	3.11	1.66	0.73	48.01
St Dev	0.23	0.13	0.37	0.11	0.73	0.88	0.26	0.68	0.81	0.31	0.19	0.21	1.05

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Altamont

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.36, Long: -110.27, Elev: 6279 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.57	23.83	34.67	43.12	52.19	60.95	69.48	65.07	56.64	44.54	32.85	19.59	43.38
St Dev	5.75	4.77	4.24	2.22	3.23	3.09	1.64	1.97	2.03	2.07	1.90	5.46	1.01
Precip (in)	0.43	0.50	0.29	0.56	0.61	0.64	0.43	0.58	0.89	1.18	0.28	0.46	6.84
St Dev	0.54	0.29	0.29	0.38	0.36	0.58	0.27	0.34	0.44	1.15	0.37	0.47	1.87
Aridity Adj. (F)													
Est. Dewpoint (F)	10.54	14.21	17.79	21.35	28.52	35.32	42.21	41.39	34.44	28.97	18.99	11.75	25.45
Rs (langley/day)	226	311	428	529	608	642	614	548	477	338	245	181	429
Wind (mpd)	89	102	138	155	153	136	127	121	127	116	108	85	121
Calc. Wind Limit (mpd)	96	96	110	132	132	129	97	96	98	96	96	96	106
	.....Inches.....												
Alfalfa (Beef)				1.35	6.41	6.61	7.65	6.65	3.52	0.62			32.82
St Dev				0.54	1.01	1.06	0.90	0.64	1.04	1.00			1.29
Net Irr				0.90	5.93	6.10	7.30	6.19	2.81				29.23
Alfalfa (Dairy)				1.35	6.31	6.71	6.82	5.66	3.37	0.52			30.74
St Dev				0.54	0.89	1.09	0.33	0.26	1.19	0.86			1.27
Net Irr				0.90	5.82	6.19	6.48	5.20	2.66				27.26
Apples / Cherries				0.30	4.69	8.72	9.53	8.02	5.61	1.76			38.63
St Dev				0.18	0.62	1.35	0.46	0.39	0.50	0.84			1.80
Net Irr					4.20	8.21	9.19	7.56	4.90	0.82			34.87
Barley				0.69	4.07	8.68	6.85	0.20					20.49
St Dev				0.19	1.12	1.39	1.46	0.27					0.75
Net Irr				0.25	3.58	8.16	6.51						18.50
Corn					0.61	2.48	7.34	7.34	4.15	0.53			22.45
St Dev					0.28	0.83	0.69	0.41	1.26	0.76			0.83
Net Irr					0.12	1.96	7.00	6.88	3.44				19.40
Melon					0.56	3.58	5.92	5.01	3.03	0.26			18.36
St Dev					0.27	0.83	0.30	0.24	0.86	0.51			1.16
Net Irr					0.07	3.07	5.58	4.55	2.32				15.58
Onion					2.58	5.44	8.92	7.62	3.37	0.06			27.99
St Dev					0.74	0.86	0.46	0.41	1.23	0.16			1.34
Net Irr					2.09	4.93	8.58	7.16	2.66				25.42
Other Hay				1.38	6.92	8.80	5.22	2.69	1.47	0.13			26.62
St Dev				0.56	0.96	1.41	0.79	0.19	0.18	0.11			1.71
Net Irr				0.94	6.44	8.28	4.88	2.23	0.76				23.53
Other Orchard				0.30	4.41	8.19	8.80	7.40	5.08	1.64			35.83
St Dev				0.18	0.58	1.26	0.43	0.36	0.46	0.80			1.69
Net Irr					3.93	7.67	8.46	6.94	4.37	0.70			32.07
Pasture				1.48	4.80	5.92	6.23	5.24	3.88	1.31			28.85
St Dev				0.42	0.61	0.92	0.30	0.25	0.35	0.70			1.43
Net Irr				1.04	4.31	5.40	5.89	4.78	3.17	0.36			24.95
Potato					0.86	3.54	6.88	5.55	3.18	0.41			20.42
St Dev					0.29	1.08	0.33	0.33	1.03	0.59			0.62
Net Irr					0.37	3.03	6.53	5.09	2.47				17.49
Safflower					1.01	7.93	9.17	7.64	4.65	0.96			31.37
St Dev					0.62	1.45	0.45	0.33	0.77	0.54			2.03
Net Irr					0.53	7.42	8.82	7.18	3.94	0.01			27.91
Sorghum					0.76	3.50	7.53	6.94	4.21				22.94
St Dev					0.35	0.77	0.52	0.34	1.16				0.88
Net Irr					0.28	2.98	7.19	6.48	3.49				20.42

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Altamont

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.36, Long: -110.27, Elev: 6279 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.69	3.83	8.57	7.78	0.72					21.58
St Dev				0.19	1.03	1.40	1.16	0.54					0.74
Net Irr				0.24	3.34	8.05	7.43	0.26					19.33
Winter Wheat			0.47	1.53	4.26	8.60	5.43	0.16					20.46
St Dev			0.20	0.15	1.36	1.40	1.89	0.18					0.84
Net Irr			0.24	1.09	3.78	8.09	5.09						18.28
Garden					1.41	3.22	6.01	6.18	2.34	0.03			19.20
St Dev					0.39	0.51	0.47	0.32	0.75	0.08			0.74
Net Irr					0.93	2.71	5.66	5.72	1.63				16.65
Small Fruit					0.79	4.03	8.16	7.49	4.06	0.21			24.74
St Dev					0.31	0.80	0.48	0.37	1.25	0.40			1.30
Net Irr					0.30	3.52	7.82	7.03	3.35				22.02
Turfgrass				1.78	4.00	5.21	5.50	4.63	3.56	1.41			26.09
St Dev				0.37	0.48	0.81	0.27	0.22	0.30	0.71			1.21
Net Irr				1.34	3.51	4.70	5.16	4.17	2.85	0.47			22.18
Turfgrass Dixie				1.98	3.90	5.56	5.96	5.01	3.86	1.53			27.79
St Dev				0.41	0.41	0.85	0.29	0.24	0.33	0.76			1.28
Net Irr				1.53	3.41	5.04	5.62	4.55	3.14	0.59			23.88
Open Water Deep	0.65	0.79	1.64	2.48	3.77	4.80	5.20	4.55	3.44	2.38	1.61	0.73	32.05
St Dev	0.19	0.29	0.48	0.21	0.62	1.31	0.45	0.53	0.42	0.29	0.38	0.18	2.25
Net Evap	0.22	0.30	1.35	1.93	3.17	4.16	4.77	3.98	2.55	1.20	1.33	0.27	25.22
Open Water Shallow	0.81	1.32	2.80	4.01	5.26	5.78	6.15	5.38	4.22	2.56	1.42	0.70	40.40
St Dev	0.13	0.21	0.44	0.19	0.34	0.64	0.27	0.19	0.32	0.20	0.23	0.13	0.74
Net Evap	0.38	0.82	2.52	3.46	4.65	5.13	5.72	4.81	3.33	1.38	1.14	0.24	33.57
Wetlands Large					0.03	3.72	8.77	8.10	5.61	0.81			27.02
St Dev					0.05	1.15	0.58	0.39	1.28	1.19			1.45
Net ET						3.20	8.42	7.63	4.89				24.15
Wetlands Narrow					0.03	4.90	12.47	11.56	8.01	1.16			38.13
St Dev					0.05	1.58	0.87	0.56	1.82	1.70			2.08
Net ET						4.39	12.13	11.10	7.30	0.21			35.13
ETr	0.94	1.53	3.60	5.50	7.49	8.70	9.17	7.71	5.93	3.49	2.02	0.93	57.01
St Dev	0.21	0.38	0.70	0.31	0.68	1.35	0.45	0.37	0.51	0.39	0.47	0.21	2.01

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Duchesne

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2002-2009, Lat: 40.18, Long: -110.34, Elev: 5448 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.37	27.32	39.11	46.97	56.19	64.19	73.02	68.68	59.83	48.26	34.95	20.11	46.42
St Dev	6.95	4.34	4.45	2.20	1.98	2.89	1.75	1.84	1.58	2.54	2.89	5.65	1.19
Precip (in)	0.26	0.36	0.40	0.51	0.67	0.78	0.52	0.66	0.79	0.82	0.35	0.25	6.35
St Dev	0.40	0.26	0.35	0.34	0.46	0.56	0.60	0.65	0.62	1.06	0.39	0.17	2.71
Aridity Adj. (F)													
Est. Dewpoint (F)	11.12	16.00	19.07	23.53	31.83	37.34	44.67	44.17	37.62	29.87	20.59	12.20	27.33
Rs (langleys/day)	217	298	422	516	590	620	556	478	412	318	234	179	403
Wind (mpd)	64	94	138	136	121	98	80	72	74	80	82	66	92
Calc. Wind Limit (mpd)	96	96	116	127	113	101	96	96	96	96	96	96	102
	.....Inches.....												
Alfalfa (Beef)				2.24	6.59	6.31	6.43	5.60	4.49	1.01			32.66
St Dev				0.56	0.68	0.98	0.47	0.38	0.87	0.47			1.73
Net Irr				1.83	6.05	5.69	6.02	5.07	3.86	0.35			28.86
Alfalfa (Dairy)				2.24	5.84	6.09	6.30	5.18	3.87	1.23			30.74
St Dev				0.56	0.46	0.96	0.62	0.30	0.57	0.85			1.81
Net Irr				1.83	5.30	5.47	5.89	4.65	3.23	0.57			26.95
Apples / Cherries				1.22	5.66	8.23	8.75	6.97	4.38	1.92			37.12
St Dev				0.44	0.86	1.17	0.76	0.44	0.62	0.51			2.04
Net Irr				0.81	5.12	7.61	8.34	6.44	3.74	1.26			33.32
Barley				1.11	5.30	8.13	3.56						18.11
St Dev				0.26	1.06	1.10	1.24						0.91
Net Irr				0.71	4.76	7.51	3.15						16.13
Corn					0.95	3.34	7.80	5.63	1.74	0.11			19.57
St Dev					0.26	1.07	0.67	0.78	1.22	0.15			1.48
Net Irr					0.41	2.72	7.39	5.10	1.11				16.73
Melon					0.94	4.03	5.47	4.40	2.68	0.09			17.62
St Dev					0.29	0.74	0.48	0.29	0.59	0.19			1.13
Net Irr					0.41	3.41	5.06	3.87	2.05				14.80
Onion				0.02	3.26	5.80	8.37	6.61	2.20				26.26
St Dev				0.03	0.62	0.99	0.75	0.41	0.47				1.26
Net Irr					2.72	5.18	7.96	6.08	1.57				23.52
Other Hay				2.29	7.19	7.67	4.03	2.23	1.06	0.02			24.50
St Dev				0.58	0.80	1.12	0.49	0.12	0.15	0.06			1.19
Net Irr				1.88	6.65	7.05	3.62	1.70	0.43				21.34
Other Orchard				1.13	5.41	7.63	8.08	6.42	3.94	1.87			34.49
St Dev				0.40	0.85	1.07	0.70	0.41	0.56	0.51			1.92
Net Irr				0.72	4.87	7.01	7.67	5.89	3.31	1.21			30.69
Pasture				2.07	4.83	5.42	5.72	4.61	3.35	1.65	0.11		27.76
St Dev				0.44	0.49	0.76	0.50	0.30	0.49	0.48	0.21		1.72
Net Irr				1.67	4.29	4.80	5.31	4.08	2.72	1.00			23.85
Potato					1.27	4.39	6.46	4.26	0.96				17.34
St Dev					0.34	1.00	0.59	0.57	0.84				1.06
Net Irr					0.74	3.77	6.04	3.73	0.33				14.61
Safflower					2.14	7.83	8.42	6.71	3.82	0.86			29.77
St Dev					0.85	1.14	0.73	0.43	0.62	0.38			1.75
Net Irr					1.61	7.21	8.00	6.18	3.19	0.20			26.39
Sorghum					1.17	4.04	7.32	6.10	2.38				21.01
St Dev					0.31	0.80	0.65	0.39	0.52				1.17
Net Irr					0.64	3.41	6.91	5.57	1.75				18.28

All values are 8 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Duchesne

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2002-2009, Lat: 40.18, Long: -110.34, Elev: 5448 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.08	5.06	8.15	4.69	0.03					19.01
St Dev				0.25	1.03	1.13	1.36	0.08					0.82
Net Irr				0.67	4.52	7.53	4.28						17.00
Winter Wheat			0.68	1.86	5.65	7.84	2.08						18.11
St Dev			0.20	0.27	1.21	0.89	1.16						0.96
Net Irr			0.36	1.46	5.12	7.22	1.67						15.82
Garden				0.01	1.79	3.42	6.10	5.15	1.33				17.80
St Dev				0.03	0.35	0.58	0.62	0.31	0.30				0.86
Net Irr					1.25	2.80	5.69	4.62	0.70				15.06
Small Fruit					1.21	4.50	7.94	6.50	3.28	0.05			23.47
St Dev					0.34	0.87	0.75	0.41	0.67	0.13			1.45
Net Irr					0.67	3.87	7.53	5.97	2.65				20.70
Turfgrass				2.28	4.05	4.78	5.05	4.06	3.01	1.74	0.14		25.12
St Dev				0.35	0.42	0.67	0.44	0.26	0.43	0.46	0.26		1.48
Net Irr				1.87	3.52	4.16	4.64	3.54	2.38	1.08			21.18
Turfgrass Dixie				2.51	3.94	5.15	5.47	4.40	3.26	1.88	0.16		26.77
St Dev				0.37	0.38	0.73	0.48	0.29	0.47	0.49	0.28		1.57
Net Irr				2.10	3.40	4.53	5.06	3.87	2.63	1.22			22.82
Open Water Deep	0.49	0.79	1.98	2.52	3.25	3.69	4.57	3.66	2.53	2.04	1.24	0.53	27.29
St Dev	0.26	0.30	0.55	0.41	0.54	0.88	0.50	0.38	0.45	0.57	0.30	0.24	1.47
Net Evap	0.24	0.44	1.58	2.01	2.58	2.91	4.06	3.00	1.74	1.22	0.89	0.29	20.95
Open Water Shallow	0.77	1.37	3.03	4.11	5.21	5.57	5.76	4.90	3.77	2.56	1.37	0.67	39.08
St Dev	0.16	0.21	0.41	0.24	0.30	0.66	0.61	0.39	0.62	0.40	0.22	0.18	1.47
Net Evap	0.51	1.01	2.64	3.59	4.54	4.79	5.24	4.24	2.98	1.73	1.02	0.43	32.73
Wetlands Large					0.37	4.72	8.58	7.11	5.27	2.06			28.11
St Dev					0.22	1.07	0.84	0.46	0.75	1.10			2.63
Net ET						4.10	8.17	6.58	4.64	1.40			24.89
Wetlands Narrow					0.43	6.44	12.25	10.16	7.53	2.94			39.74
St Dev					0.27	1.53	1.21	0.66	1.08	1.58			3.77
Net ET						5.82	11.84	9.63	6.89	2.29			36.47
ETr	0.86	1.61	4.10	5.70	7.29	7.97	8.42	6.77	5.02	3.32	1.74	0.80	53.58
St Dev	0.27	0.40	0.71	0.46	0.60	1.12	0.73	0.44	0.72	0.65	0.37	0.26	1.62

All values are 8 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Fruitland

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.22, Long: -110.84, Elev: 6591 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.76	25.02	33.67	41.14	49.74	58.56	68.11	63.55	55.38	43.94	33.16	21.85	42.91
St Dev	4.83	3.50	4.20	2.53	2.91	2.94	1.58	1.63	2.00	2.04	2.56	4.48	0.96
Precip (in)	0.70	0.68	0.46	0.78	0.60	0.73	0.47	0.91	0.87	1.51	0.26	0.69	8.66
St Dev	0.74	0.46	0.34	0.47	0.33	0.76	0.41	0.90	0.57	1.22	0.19	0.55	2.19
Aridity Adj. (F)													
Est. Dewpoint (F)	11.98	14.82	18.28	21.34	26.97	32.53	38.54	37.19	29.90	26.20	17.50	12.18	23.95
Rs (langleys/day)	222	303	436	517	588	642	619	522	459	320	239	178	420
Wind (mpd)	119	120	138	147	138	117	96	84	94	102	105	111	114
Calc. Wind Limit (mpd)	96	115	130	132	131	125	96	96	96	96	96	96	109
	.....Inches.....												
Alfalfa (Beef)				1.37	5.83	6.45	7.59	6.12	2.10	0.01			29.46
St Dev				0.56	0.97	1.04	0.76	0.91	1.21	0.03			2.55
Net Irr				0.74	5.35	5.87	7.22	5.39	1.40				25.96
Alfalfa (Dairy)				1.37	5.83	6.31	6.59	5.18	2.24	0.01			27.51
St Dev				0.56	0.97	1.09	0.38	0.41	1.26	0.02			2.77
Net Irr				0.74	5.35	5.72	6.21	4.45	1.54				24.01
Apples / Cherries					3.02	7.62	9.22	7.49	5.63	1.20			34.18
St Dev					0.36	1.27	0.49	0.48	0.47	0.91			1.58
Net Irr					2.54	7.04	8.85	6.76	4.93				30.11
Barley				0.69	3.41	8.00	7.65	0.63					20.39
St Dev				0.20	0.97	1.47	1.16	0.56					0.98
Net Irr				0.06	2.93	7.42	7.28						17.70
Corn					0.61	2.33	6.86	6.95	2.77	0.01			19.55
St Dev					0.29	0.84	0.72	0.51	1.58	0.03			2.58
Net Irr					0.13	1.75	6.49	6.22	2.07				16.67
Melon					0.57	3.52	5.73	4.60	1.18				15.61
St Dev					0.29	0.99	0.32	0.32	1.16				2.05
Net Irr					0.09	2.94	5.36	3.87	0.49				12.75
Onion					1.99	4.84	8.49	6.60	1.24				23.17
St Dev					0.40	0.80	0.48	0.65	1.27				2.23
Net Irr					1.51	4.26	8.12	5.87	0.54				20.30
Other Hay				1.46	6.53	8.24	4.90	2.48	1.36	0.09			25.06
St Dev				0.64	1.00	1.29	0.84	0.20	0.17	0.11			1.69
Net Irr				0.83	6.05	7.66	4.53	1.75	0.66				21.47
Other Orchard					2.81	7.25	8.51	6.91	5.15	1.09			31.72
St Dev					0.34	1.21	0.45	0.45	0.43	0.83			1.49
Net Irr					2.33	6.67	8.14	6.18	4.45				27.78
Pasture				1.52	4.50	5.61	6.03	4.89	3.58	0.78			26.92
St Dev				0.47	0.60	0.93	0.32	0.31	0.43	0.67			1.64
Net Irr				0.90	4.02	5.03	5.65	4.16	2.88				22.65
Potato					0.79	2.87	6.38	5.36	2.26	0.01			17.68
St Dev					0.24	0.88	0.42	0.39	1.28	0.03			2.01
Net Irr					0.31	2.29	6.00	4.63	1.57				14.80
Safflower					1.09	7.59	8.87	7.07	4.00	0.53			29.15
St Dev					0.75	1.52	0.47	0.42	0.96	0.48			1.96
Net Irr					0.61	7.01	8.49	6.34	3.30				25.75
Sorghum					0.77	3.45	7.33	6.48	2.54				20.57
St Dev					0.36	0.97	0.57	0.42	1.34				2.51
Net Irr					0.29	2.87	6.96	5.75	1.84				17.71

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Fruitland

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.22, Long: -110.84, Elev: 6591 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.68	3.23	7.84	8.26	1.39					21.40
St Dev				0.20	0.90	1.49	0.97	0.80					0.91
Net Irr				0.06	2.75	7.26	7.88	0.66					18.61
Winter Wheat			0.41	1.36	3.38	7.79	6.81	0.48					20.23
St Dev			0.15	0.17	1.20	1.58	1.70	0.42					1.04
Net Irr			0.05	0.73	2.90	7.21	6.44						17.32
Garden					1.09	2.86	5.49	5.79	1.09				16.32
St Dev					0.20	0.48	0.37	0.39	1.01				1.37
Net Irr					0.61	2.28	5.12	5.06	0.39				13.46
Small Fruit					0.72	3.82	7.89	6.72	1.55				20.69
St Dev					0.25	0.84	0.55	0.50	1.53				2.48
Net Irr					0.24	3.24	7.51	5.99	0.85				17.83
Turfgrass				1.78	3.76	4.95	5.32	4.32	3.38	0.87			24.38
St Dev				0.39	0.50	0.82	0.28	0.28	0.28	0.68			1.39
Net Irr				1.16	3.28	4.37	4.95	3.59	2.68				20.02
Turfgrass Dixie				1.97	3.66	5.29	5.76	4.68	3.67	0.94			25.97
St Dev				0.42	0.45	0.88	0.31	0.30	0.30	0.74			1.48
Net Irr				1.34	3.18	4.71	5.39	3.95	2.97				21.54
Open Water Deep	0.73	0.87	1.48	2.03	3.03	3.90	4.49	3.69	2.86	2.06	1.42	0.84	27.41
St Dev	0.18	0.25	0.49	0.20	0.47	1.17	0.49	0.62	0.36	0.24	0.46	0.17	2.80
Net Evap	0.04	0.19	1.03	1.25	2.43	3.18	4.02	2.78	1.99	0.55	1.16	0.14	18.75
Open Water Shallow	0.90	1.35	2.76	3.75	4.90	5.55	6.02	5.04	3.99	2.44	1.41	0.78	38.87
St Dev	0.14	0.15	0.39	0.19	0.44	0.68	0.27	0.18	0.29	0.18	0.21	0.10	1.05
Net Evap	0.20	0.67	2.30	2.97	4.30	4.82	5.56	4.12	3.12	0.93	1.15	0.08	30.22
Wetlands Large					0.08	3.69	8.53	7.56	3.62	0.02			23.50
St Dev					0.13	1.41	0.63	0.49	2.07	0.05			3.52
Net ET						3.11	8.15	6.83	2.92				21.01
Wetlands Narrow					0.09	4.91	12.13	10.80	5.17	0.03			33.12
St Dev					0.15	1.98	0.94	0.70	2.96	0.07			5.01
Net ET						4.33	11.75	10.07	4.47				30.63
ETr	1.13	1.62	3.43	5.03	6.96	8.26	8.87	7.20	5.64	3.36	1.98	1.10	54.57
St Dev	0.18	0.26	0.71	0.32	0.73	1.36	0.47	0.47	0.47	0.38	0.58	0.18	2.93

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Maeser

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 40.46, Long: -109.58, Elev: 5342 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	15.31	24.67	35.50	45.41	53.87	63.62	72.04	68.75	59.02	46.34	34.60	18.06	44.77
St Dev	7.06	5.35	2.22	2.52	3.37	2.79	1.84	1.99	2.55	2.18	2.38	6.62	1.14
Precip (in)	0.42	0.27	0.49	0.61	0.66	0.66	0.22	0.51	0.83	1.01	0.26	0.44	6.37
St Dev	0.26	0.18	0.58	0.23	0.47	0.47	0.18	0.37	0.40	0.74	0.25	0.46	1.44
Aridity Adj. (F)													
Est. Dewpoint (F)	9.74	15.47	19.92	23.54	31.17	36.96	43.59	42.23	36.72	30.35	20.66	12.18	26.88
Rs (langley/day)	196	290	375	500	587	650	618	570	474	325	221	141	412
Wind (mpd)	37	49	77	88	77	68	74	65	58	70	56	40	63
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)				1.29	5.68	5.84	6.72	6.40	3.97	1.12			31.02
St Dev				0.59	0.92	0.59	0.67	0.34	0.35	0.68			1.30
Net Irr				0.80	5.16	5.32	6.54	6.00	3.30	0.31			27.43
Alfalfa (Dairy)				1.29	5.26	5.90	6.40	5.53	3.56	0.97			28.91
St Dev				0.59	0.48	0.66	0.30	0.29	0.45	0.60			1.18
Net Irr				0.80	4.73	5.37	6.22	5.13	2.90	0.17			25.32
Apples / Cherries				0.53	4.40	7.77	8.82	7.68	4.67	1.27	0.01		35.14
St Dev				0.36	0.70	0.79	0.41	0.32	0.56	0.70	0.02		1.38
Net Irr				0.04	3.87	7.25	8.64	7.27	4.00	0.46			31.54
Barley				0.68	3.96	7.74	4.97	0.01					17.36
St Dev				0.24	1.18	0.78	1.62	0.03					0.48
Net Irr				0.20	3.43	7.21	4.79						15.63
Corn					0.61	2.61	7.45	6.52	2.59	0.16			19.94
St Dev					0.26	0.86	0.46	0.66	1.32	0.21			0.74
Net Irr					0.08	2.09	7.27	6.12	1.92				17.49
Melon					0.56	3.35	5.50	4.81	2.99	0.34			17.55
St Dev					0.26	0.58	0.26	0.20	0.78	0.43			0.56
Net Irr					0.04	2.82	5.32	4.40	2.33				14.91
Onion					2.40	5.00	8.31	7.33	3.22	0.04			26.29
St Dev					0.71	0.70	0.43	0.36	1.04	0.05			0.65
Net Irr					1.87	4.47	8.13	6.93	2.55				23.96
Other Hay				1.29	6.01	7.70	4.79	2.58	1.25	0.10			23.72
St Dev				0.59	0.86	0.82	0.64	0.16	0.18	0.10			0.88
Net Irr				0.81	5.48	7.17	4.61	2.17	0.58				20.83
Other Orchard				0.51	4.16	7.27	8.14	7.08	4.22	1.20	0.01		32.59
St Dev				0.34	0.68	0.74	0.38	0.29	0.52	0.67	0.02		1.32
Net Irr				0.02	3.64	6.74	7.96	6.68	3.55	0.39			28.98
Pasture				1.32	4.12	5.20	5.77	5.03	3.28	0.94	0.01		25.66
St Dev				0.46	0.55	0.54	0.27	0.21	0.37	0.56	0.01		1.24
Net Irr				0.84	3.59	4.67	5.59	4.62	2.61	0.13			22.06
Potato					0.87	3.64	6.50	4.96	1.71	0.04			17.72
St Dev					0.34	0.88	0.33	0.40	1.16	0.10			0.51
Net Irr					0.34	3.11	6.32	4.56	1.05				15.37
Safflower					1.09	7.16	8.48	7.31	3.79	0.65			28.48
St Dev					0.69	0.83	0.39	0.27	0.77	0.45			1.56
Net Irr					0.57	6.63	8.30	6.90	3.12				25.53
Sorghum					0.76	3.27	7.10	6.66	3.33				21.12
St Dev					0.32	0.57	0.47	0.28	0.87				0.53
Net Irr					0.23	2.75	6.92	6.25	2.67				18.82

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Maeser

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 40.46, Long: -109.58, Elev: 5342 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.67	3.77	7.69	5.94	0.19					18.26
St Dev				0.23	1.11	0.79	1.42	0.22					0.29
Net Irr				0.18	3.24	7.17	5.76						16.35
Winter Wheat			0.37	1.42	4.14	7.68	3.50	0.02					17.13
St Dev			0.16	0.20	1.24	0.73	1.71	0.05					0.51
Net Irr				0.94	3.62	7.15	3.32						15.03
Garden					1.31	2.95	5.70	5.88	2.02	0.02			17.87
St Dev					0.38	0.41	0.48	0.32	0.67	0.02			0.45
Net Irr					0.78	2.43	5.52	5.47	1.35				15.56
Small Fruit					0.79	3.76	7.68	7.20	3.96	0.24			23.62
St Dev					0.33	0.64	0.53	0.33	1.07	0.34			0.79
Net Irr					0.26	3.23	7.50	6.79	3.30				21.08
Turfgrass				1.59	3.43	4.58	5.09	4.44	3.04	1.04	0.01		23.22
St Dev				0.40	0.44	0.47	0.24	0.19	0.33	0.58	0.02		1.05
Net Irr				1.11	2.91	4.06	4.91	4.03	2.37	0.23			19.61
Turfgrass Dixie				1.77	3.35	4.88	5.51	4.81	3.29	1.12	0.01		24.74
St Dev				0.44	0.37	0.50	0.26	0.20	0.36	0.63	0.02		1.11
Net Irr				1.28	2.83	4.35	5.33	4.40	2.62	0.32			21.14
Open Water Deep	0.30	0.52	1.10	1.73	2.28	3.04	4.15	3.78	2.24	1.67	1.05	0.36	22.21
St Dev	0.20	0.30	0.23	0.13	0.37	0.69	0.39	0.36	0.42	0.51	0.22	0.14	1.32
Net Evap		0.25	0.60	1.13	1.62	2.38	3.93	3.27	1.41	0.66	0.79		16.04
Open Water Shallow	0.61	1.20	2.43	3.76	4.88	5.62	6.10	5.57	4.08	2.43	1.28	0.50	38.46
St Dev	0.16	0.26	0.27	0.35	0.46	0.44	0.24	0.19	0.37	0.27	0.16	0.11	0.94
Net Evap	0.19	0.93	1.93	3.15	4.23	4.97	5.88	5.06	3.24	1.42	1.02	0.06	32.09
Wetlands Large					0.14	3.74	8.33	7.77	5.31	1.63			26.92
St Dev					0.18	1.00	0.56	0.33	0.58	0.99			1.49
Net ET						3.22	8.15	7.36	4.65	0.82			24.20
Wetlands Narrow					0.15	5.01	11.86	11.09	7.59	2.33			38.04
St Dev					0.20	1.44	0.83	0.46	0.83	1.42			2.12
Net ET						4.49	11.68	10.69	6.92	1.52			35.31
ETr	0.63	1.30	3.01	4.92	6.45	7.64	8.48	7.40	5.06	2.99	1.57	0.57	50.02
St Dev	0.23	0.41	0.39	0.39	0.59	0.79	0.39	0.31	0.55	0.53	0.25	0.15	1.40

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Tabiona

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.39, Long: -110.74, Elev: 6597 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.74	26.47	35.00	42.31	50.80	59.26	67.99	63.93	56.21	45.42	34.92	22.83	43.99
St Dev	4.95	3.15	4.25	2.49	2.89	2.97	1.56	1.60	2.27	2.14	2.95	3.93	0.90
Precip (in)	0.48	0.54	0.36	0.63	0.71	1.37	1.61	1.43	1.03	1.57	0.26	0.59	10.59
St Dev	0.70	0.30	0.25	0.41	0.56	0.74	1.40	1.31	0.75	1.50	0.22	0.63	3.63
Aridity Adj. (F)													
Est. Dewpoint (F)	12.25	13.92	17.10	20.84	27.04	33.32	39.66	39.58	31.83	26.94	17.46	12.13	24.34
Rs (langley/day)	221	295	431	516	585	619	601	525	456	313	228	174	414
Wind (mpd)	129	141	167	176	167	147	151	142	160	151	151	119	150
Calc. Wind Limit (mpd)	96	104	113	132	121	118	103	96	99	98	96	96	106
	.....Inches.....												
Alfalfa (Beef)				1.33	5.92	6.28	7.83	6.48	3.77	1.01			32.62
St Dev				0.46	1.06	0.98	0.88	0.60	1.03	1.18			1.82
Net Irr				0.83	5.35	5.18	6.53	5.34	2.95				26.18
Alfalfa (Dairy)				1.33	5.92	6.16	6.77	5.55	3.80	0.87			30.39
St Dev				0.46	1.06	1.10	0.32	0.18	1.02	1.03			1.67
Net Irr				0.83	5.35	5.06	5.48	4.41	2.97				24.10
Apples / Cherries				0.55	4.75	8.30	9.57	7.81	5.52	1.78			38.29
St Dev				0.34	0.86	1.31	0.37	0.20	0.56	0.90			2.13
Net Irr				0.05	4.18	7.20	8.28	6.67	4.69	0.53			31.60
Barley				0.71	3.63	8.10	7.53	0.44					20.42
St Dev				0.17	1.04	1.40	1.27	0.37					0.85
Net Irr				0.20	3.07	7.01	6.24						16.51
Corn					0.51	2.10	6.65	7.36	4.82	0.99			22.43
St Dev					0.26	0.70	0.88	0.23	1.22	1.09			1.15
Net Irr						1.00	5.36	6.22	3.99				16.57
Melon					0.46	3.32	5.94	4.90	3.20	0.27			18.09
St Dev					0.25	0.90	0.22	0.12	0.88	0.53			1.18
Net Irr						2.22	4.65	3.76	2.37				13.00
Onion					2.31	5.07	8.92	7.46	3.63	0.05			27.43
St Dev					0.74	1.01	0.29	0.24	1.26	0.13			1.50
Net Irr					1.75	3.97	7.63	6.32	2.80				22.46
Other Hay				1.38	6.47	8.20	5.18	2.62	1.48	0.10			25.42
St Dev				0.50	1.02	1.22	0.68	0.14	0.16	0.10			1.68
Net Irr				0.88	5.90	7.10	3.89	1.48	0.65				19.89
Other Orchard				0.53	4.49	7.75	8.83	7.21	4.99	1.69			35.50
St Dev				0.32	0.83	1.22	0.34	0.19	0.51	0.88			2.02
Net Irr				0.03	3.93	6.65	7.54	6.07	4.16	0.44			28.82
Pasture				1.54	4.50	5.54	6.26	5.12	3.92	1.36			28.24
St Dev				0.44	0.68	0.86	0.24	0.13	0.43	0.77			1.86
Net Irr				1.04	3.93	4.44	4.96	3.98	3.09	0.11			21.55
Potato					0.75	3.00	6.70	5.58	3.62	0.76			20.41
St Dev					0.29	1.01	0.31	0.22	0.91	0.84			0.83
Net Irr					0.18	1.90	5.41	4.43	2.80				14.72
Safflower					0.81	7.42	9.20	7.48	4.74	1.03			30.67
St Dev					0.57	1.49	0.35	0.18	0.87	0.64			2.25
Net Irr					0.25	6.32	7.91	6.34	3.91				24.72
Sorghum					0.64	3.24	7.49	6.78	4.33				22.48
St Dev					0.32	0.86	0.40	0.17	1.13				0.72
Net Irr					0.07	2.14	6.20	5.64	3.50				17.55

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: UB Tabiona

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.39, Long: -110.74, Elev: 6597 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.70	3.40	7.94	8.39	1.24					21.66
St Dev				0.16	0.96	1.44	1.02	0.74					0.74
Net Irr				0.20	2.83	6.84	7.10	0.10					17.06
Winter Wheat			0.57	1.49	3.86	8.00	6.33	0.33					20.57
St Dev			0.18	0.23	1.40	1.46	1.95	0.31					0.85
Net Irr			0.28	0.99	3.29	6.90	5.04						16.49
Garden					1.27	3.00	5.93	6.07	2.50	0.03			18.80
St Dev					0.39	0.60	0.31	0.21	0.74	0.07			0.69
Net Irr					0.71	1.90	4.64	4.93	1.67				13.85
Small Fruit					0.68	3.72	8.09	7.34	4.30	0.23			24.36
St Dev					0.29	0.91	0.33	0.21	1.28	0.40			1.31
Net Irr					0.11	2.62	6.80	6.20	3.47				19.20
Turfgrass				1.82	3.74	4.88	5.52	4.52	3.60	1.47	0.01		25.56
St Dev				0.37	0.55	0.76	0.21	0.11	0.35	0.78	0.02		1.60
Net Irr				1.32	3.18	3.78	4.23	3.38	2.77	0.22			18.88
Turfgrass Dixie				2.02	3.65	5.23	5.98	4.90	3.90	1.59	0.01		27.27
St Dev				0.39	0.49	0.82	0.23	0.12	0.38	0.84	0.02		1.68
Net Irr				1.51	3.08	4.13	4.69	3.76	3.07	0.34			20.58
Open Water Deep	0.93	1.03	1.74	2.46	3.26	4.25	5.41	4.50	3.63	2.77	2.01	0.97	32.95
St Dev	0.35	0.33	0.60	0.34	0.78	1.15	0.44	0.33	0.51	0.35	0.45	0.23	2.71
Net Evap	0.44	0.50	1.38	1.83	2.56	2.88	3.80	3.07	2.59	1.20	1.75	0.38	22.37
Open Water Shallow	0.99	1.42	2.87	3.91	4.98	5.49	6.04	5.19	4.12	2.56	1.52	0.82	39.91
St Dev	0.15	0.17	0.40	0.20	0.36	0.66	0.22	0.08	0.35	0.20	0.22	0.10	0.90
Net Evap	0.51	0.89	2.51	3.28	4.27	4.12	4.43	3.76	3.09	0.99	1.26	0.23	29.33
Wetlands Large					0.01	3.22	8.58	7.91	5.88	1.34			26.94
St Dev					0.02	1.18	0.49	0.20	1.20	1.49			1.61
Net ET						2.12	7.29	6.77	5.05	0.09			21.32
Wetlands Narrow					0.01	4.23	12.18	11.30	8.40	1.92			38.03
St Dev					0.02	1.62	0.75	0.28	1.72	2.13			2.31
Net ET						3.13	10.89	10.16	7.57	0.66			32.41
ETr	1.28	1.77	3.66	5.28	6.96	8.14	9.20	7.53	5.99	3.74	2.36	1.19	57.11
St Dev	0.32	0.34	0.75	0.36	0.82	1.27	0.35	0.19	0.59	0.43	0.52	0.22	2.50

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Beryl Junction West

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2000-2010, Lat: 37.72, Long: -113.7, Elev: 5187 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	29.33	33.30	40.31	46.65	55.27	64.14	71.82	68.99	60.28	49.03	37.32	28.94	48.78
St Dev	6.05	2.09	2.80	2.12	2.90	1.62	1.90	1.41	1.48	2.01	2.93	4.08	0.65
Precip (in)	0.95	0.81	0.68	1.02	1.19	1.05	1.16	1.65	0.53	1.31	0.95	0.82	12.12
St Dev	1.40	0.53	0.48	0.66	1.49	1.13	0.86	2.08	0.61	1.38	2.00	0.77	6.07
Aridity Adj. (F)													
Est. Dewpoint (F)	19.87	21.45	21.55	23.94	29.48	32.79	43.54	43.54	33.71	29.08	20.99	18.85	28.23
Rs (langleys/day)	242	308	450	559	647	695	622	576	512	368	281	218	456
Wind (mpd)	104	107	140	169	140	144	119	121	116	112	104	99	123
Calc. Wind Limit (mpd)	108	98	132	132	132	132	101	122	116	105	96	96	114
	.....Inches.....												
Alfalfa (Beef)				2.58	7.75	8.12	7.55	7.64	4.23	0.40			38.27
St Dev				0.33	0.68	0.83	0.55	0.80	1.46	0.70			3.14
Net Irr				1.76	6.80	7.29	6.63	6.32	3.81				32.60
Alfalfa (Dairy)				2.58	7.01	8.16	7.53	6.85	3.46	0.30			35.88
St Dev				0.33	0.50	0.87	0.52	0.46	1.57	0.54			2.81
Net Irr				1.76	6.06	7.32	6.61	5.54	3.03				30.31
Apples / Cherries					4.44	10.00	10.37	9.46	6.89	1.58			42.73
St Dev					0.41	1.06	0.66	0.69	0.72	0.97			2.48
Net Irr					3.49	9.16	9.44	8.14	6.46	0.53			37.23
Barley				1.02	5.72	10.69	4.91						22.34
St Dev				0.14	0.89	1.12	1.06						1.43
Net Irr				0.21	4.77	9.85	3.98						18.81
Corn					1.44	5.67	9.69	7.21	1.27				25.28
St Dev					0.15	1.09	0.66	0.66	0.68				1.37
Net Irr					0.49	4.84	8.77	5.89	0.85				20.83
Melon					1.56	5.93	6.48	5.91	2.43				22.31
St Dev					0.16	0.64	0.41	0.43	0.95				1.56
Net Irr					0.61	5.09	5.56	4.60	2.01				17.86
Onion					3.23	6.83	9.86	8.80	2.47				31.18
St Dev					0.29	0.73	0.62	0.77	1.12				2.22
Net Irr					2.28	5.99	8.93	7.48	2.05				26.73
Other Hay				2.69	8.46	10.01	4.64	2.98	1.48				30.25
St Dev				0.34	0.75	1.05	0.32	0.22	0.15				1.80
Net Irr				1.87	7.51	9.17	3.71	1.66	1.06				24.98
Other Orchard					4.17	9.47	9.57	8.73	6.28	1.42			39.64
St Dev					0.39	1.01	0.61	0.64	0.65	0.88			2.30
Net Irr					3.22	8.63	8.65	7.42	5.86	0.37			34.14
Pasture				1.63	5.47	7.09	6.78	6.18	4.47	1.00			32.62
St Dev				0.20	0.48	0.74	0.43	0.45	0.58	0.71			1.92
Net Irr				0.81	4.52	6.25	5.85	4.86	4.05				26.35
Potato					1.47	5.60	7.69	5.95	1.48				22.20
St Dev					0.18	0.86	0.50	0.51	0.91				1.31
Net Irr					0.52	4.77	6.76	4.63	1.06				17.75
Safflower					3.98	10.41	9.97	8.78	4.48	0.52			38.13
St Dev					0.46	1.09	0.63	0.70	0.82	0.31			2.42
Net Irr					3.03	9.57	9.04	7.46	4.05				33.16
Sorghum					1.77	6.26	8.89	8.19	2.14				27.24
St Dev					0.16	0.68	0.56	0.60	0.24				1.28
Net Irr					0.82	5.42	7.96	6.87	1.72				22.79

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Beryl Junction West

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2000-2010, Lat: 37.72, Long: -113.7, Elev: 5187 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.00	5.42	10.67	6.30	0.06					23.45
St Dev				0.13	0.87	1.12	0.98	0.11					1.45
Net Irr				0.18	4.47	9.83	5.37						19.86
Winter Wheat			1.19	2.35	7.08	10.15	2.19						22.96
St Dev			0.18	0.41	1.29	1.01	1.17						1.49
Net Irr			0.65	1.53	6.13	9.31	1.27						18.89
Garden					1.75	4.05	6.83	7.24	1.84				21.72
St Dev					0.16	0.43	0.41	0.54	0.55				1.26
Net Irr					0.80	3.22	5.91	5.92	1.42				17.26
Small Fruit					1.47	6.04	9.53	8.61	3.16				28.81
St Dev					0.15	0.66	0.59	0.67	1.27				2.11
Net Irr					0.52	5.21	8.61	7.29	2.74				24.36
Turfgrass				2.00	4.52	6.25	5.98	5.46	4.22	1.16			29.60
St Dev				0.22	0.40	0.66	0.38	0.40	0.44	0.74			1.66
Net Irr				1.18	3.57	5.42	5.06	4.14	3.80	0.11			23.28
Turfgrass Dixie				2.22	4.40	6.68	6.48	5.91	4.57	1.26			31.52
St Dev				0.24	0.40	0.70	0.41	0.43	0.48	0.80			1.78
Net Irr				1.40	3.45	5.84	5.56	4.60	4.15	0.21			25.20
Open Water Deep	1.14	1.09	2.14	2.71	3.80	5.63	5.45	5.69	3.93	2.82	1.78	1.08	37.26
St Dev	0.39	0.30	0.39	0.38	0.67	0.94	0.57	0.66	0.60	0.45	0.34	0.27	3.15
Net Evap	0.19	0.28	1.47	1.68	2.61	4.58	4.30	4.04	3.40	1.51	0.82	0.26	25.14
Open Water Shallow	1.21	1.63	3.27	4.38	5.64	6.36	6.30	5.91	4.70	3.02	1.76	1.08	45.25
St Dev	0.22	0.21	0.34	0.31	0.33	0.44	0.30	0.33	0.26	0.27	0.18	0.15	1.02
Net Evap	0.26	0.82	2.60	3.35	4.45	5.31	5.14	4.26	4.17	1.71	0.80	0.26	33.14
Wetlands Large					1.73	8.52	10.46	9.55	5.77	0.54			36.58
St Dev					0.44	1.11	0.66	0.70	1.61	0.94			3.04
Net ET					0.78	7.68	9.54	8.24	5.35				31.59
Wetlands Narrow					2.18	11.97	14.95	13.65	8.24	0.77			51.76
St Dev					0.58	1.59	0.94	1.00	2.30	1.34			4.33
Net ET					1.23	11.13	14.02	12.33	7.82				46.53
ETr	1.65	2.15	4.75	6.38	8.50	10.42	9.97	9.10	7.16	4.49	2.66	1.54	68.77
St Dev	0.45	0.52	0.66	0.62	0.75	1.10	0.63	0.66	0.68	0.60	0.47	0.31	3.19

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Cedar City

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2005-2010, Lat: 37.67, Long: -113.14, Elev: 5529 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.81	34.70	40.25	46.25	55.49	64.32	73.51	69.78	61.01	49.94	39.29	29.10	49.37
St Dev	6.17	1.07	2.28	1.83	3.50	2.12	0.77	1.45	1.96	1.91	3.21	3.69	0.54
Precip (in)	0.39	0.57	0.85	0.96	0.77	0.67	1.15	0.79	0.40	0.86	0.26	0.67	8.33
St Dev	0.42	0.33	0.67	0.51	0.38	0.95	0.58	0.74	0.20	0.89	0.26	0.59	2.85
Aridity Adj. (F)													
Est. Dewpoint (F)	19.13	22.36	21.33	22.34	29.32	32.71	43.88	43.33	33.53	29.73	20.64	19.08	28.11
Rs (langley/day)	234	307	436	549	610	653	596	586	506	364	268	206	443
Wind (mpd)	112	113	145	166	125	126	95	105	106	104	106	120	119
Calc. Wind Limit (mpd)	101	107	132	132	125	126	96	105	101	108	106	106	112
	.....Inches.....												
Alfalfa (Beef)				3.66	6.92	8.02	6.99	6.79	5.52	0.54			38.44
St Dev				0.58	0.53	1.17	0.31	0.68	1.02	0.62			2.37
Net Irr				2.89	6.31	7.49	6.07	6.16	5.20				34.12
Alfalfa (Dairy)				3.66	6.29	7.14	7.10	6.50	4.71	0.39			35.79
St Dev				0.58	0.46	0.78	0.30	0.41	0.84	0.50			2.20
Net Irr				2.89	5.68	6.60	6.18	5.87	4.39				31.61
Apples / Cherries				0.50	5.17	9.58	9.71	8.91	6.14	1.08			41.09
St Dev				0.15	0.50	1.09	0.33	0.50	0.27	0.84			1.93
Net Irr					4.55	9.05	8.78	8.28	5.82	0.40			36.88
Barley				1.52	6.02	9.63	3.64						20.81
St Dev				0.24	1.14	1.04	1.35						1.28
Net Irr				0.75	5.41	9.09	2.72						17.97
Corn				0.05	1.73	5.78	9.06	6.15	0.74				23.50
St Dev				0.07	0.33	1.43	0.30	0.84	0.67				0.67
Net Irr					1.11	5.25	8.14	5.52	0.42				20.44
Melon				0.04	2.11	5.87	6.07	5.57	2.44				22.09
St Dev				0.05	0.39	0.73	0.21	0.31	0.49				1.26
Net Irr					1.50	5.33	5.14	4.94	2.12				19.04
Onion				0.34	3.94	7.82	9.33	8.04	1.96				31.43
St Dev				0.12	0.41	0.90	0.32	0.49	0.16				1.58
Net Irr					3.33	7.28	8.41	7.41	1.64				28.07
Other Hay				3.96	8.13	7.90	3.73	2.57	0.96				27.26
St Dev				0.59	0.85	0.88	0.14	0.15	0.07				2.01
Net Irr				3.20	7.52	7.36	2.81	1.94	0.64				23.47
Other Orchard				0.50	4.87	8.97	8.96	8.23	5.55	1.00			38.07
St Dev				0.15	0.47	1.02	0.31	0.46	0.25	0.79			1.81
Net Irr					4.25	8.43	8.04	7.60	5.23	0.32			33.87
Pasture				2.46	5.27	6.42	6.35	5.82	4.12	0.74			31.17
St Dev				0.37	0.55	0.72	0.22	0.33	0.26	0.64			1.70
Net Irr				1.70	4.65	5.89	5.42	5.19	3.80	0.05			26.70
Potato				0.19	1.97	5.76	7.13	5.00	0.60				20.64
St Dev				0.08	0.43	1.06	0.31	0.61	0.68				0.68
Net Irr					1.36	5.22	6.20	4.37	0.28				17.43
Safflower				0.05	5.37	9.45	9.33	8.04	3.77	0.24			36.25
St Dev				0.07	0.93	1.06	0.32	0.46	0.44	0.17			1.85
Net Irr					4.76	8.91	8.41	7.41	3.45				32.94
Sorghum				0.06	2.24	6.74	8.39	7.72	0.69				25.83
St Dev				0.08	0.37	0.95	0.29	0.43	0.54				1.23
Net Irr					1.62	6.21	7.46	7.09	0.37				22.75

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Cedar City

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2005-2010, Lat: 37.67, Long: -113.14, Elev: 5529 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.46	5.72	9.69	5.04						21.91
St Dev				0.22	1.10	1.08	1.29						1.41
Net Irr				0.70	5.10	9.15	4.11						19.07
Winter Wheat			0.93	2.08	6.24	9.21	2.26						20.71
St Dev			0.17	0.41	1.35	0.86	1.19						1.35
Net Irr			0.25	1.31	5.62	8.67	1.34						17.19
Garden				0.25	2.18	4.62	7.23	5.97	1.10				21.34
St Dev				0.08	0.22	0.53	0.22	0.37	0.09				0.98
Net Irr					1.56	4.08	6.31	5.34	0.78				18.07
Small Fruit				0.15	2.31	7.13	9.27	7.89	2.71				29.47
St Dev				0.06	0.23	0.83	0.31	0.45	0.23				1.28
Net Irr					1.70	6.60	8.35	7.26	2.39				26.30
Turfgrass				2.63	4.43	5.67	5.60	5.15	3.96	0.86			28.30
St Dev				0.35	0.45	0.64	0.19	0.29	0.17	0.68			1.45
Net Irr				1.86	3.82	5.13	4.68	4.51	3.64	0.18			23.83
Turfgrass Dixie				2.88	4.30	6.14	6.07	5.57	4.29	0.93			30.18
St Dev				0.37	0.43	0.69	0.21	0.31	0.19	0.74			1.54
Net Irr				2.11	3.69	5.60	5.14	4.94	3.97	0.25			25.71
Open Water Deep	1.05	1.15	2.05	2.57	3.41	5.01	5.07	5.02	3.47	2.69	2.07	1.18	34.74
St Dev	0.29	0.30	0.36	0.54	0.65	0.73	0.30	0.52	0.35	0.48	0.34	0.18	2.95
Net Evap	0.66	0.58	1.20	1.61	2.65	4.34	3.92	4.24	3.07	1.84	1.81	0.50	26.41
Open Water Shallow	1.18	1.69	3.19	4.29	5.36	6.01	6.14	5.93	4.63	3.01	1.84	1.06	44.35
St Dev	0.17	0.22	0.29	0.34	0.46	0.66	0.25	0.29	0.21	0.23	0.19	0.09	1.71
Net Evap	0.79	1.13	2.34	3.33	4.60	5.34	4.99	5.14	4.23	2.15	1.58	0.39	36.02
Wetlands Large					1.60	7.78	9.79	9.00	6.51	0.98			35.67
St Dev					0.55	1.23	0.33	0.50	1.33	1.15			2.50
Net ET					0.99	7.24	8.87	8.37	6.19	0.30			31.96
Wetlands Narrow					2.01	10.93	13.99	12.86	9.30	1.41			50.50
St Dev					0.72	1.78	0.48	0.72	1.89	1.64			3.56
Net ET					1.40	10.40	13.07	12.23	8.98	0.72			46.80
ETr	1.62	2.18	4.47	6.10	7.86	9.45	9.33	8.58	6.60	4.26	2.86	1.56	64.87
St Dev	0.26	0.47	0.59	0.70	0.82	1.06	0.32	0.48	0.29	0.54	0.45	0.21	3.61

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Corinne

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 41.52, Long: -112.17, Elev: 4238 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	23.57	29.88	39.70	48.00	57.08	66.98	76.44	72.68	63.02	49.33	37.74	26.17	49.22
St Dev	4.48	2.51	2.57	2.34	3.72	2.36	2.08	1.66	2.41	2.47	2.15	4.43	1.18
Precip (in)	1.07	0.75	0.72	1.10	0.82	0.78	0.10	0.59	0.67	1.04	0.57	0.85	9.06
St Dev	0.74	0.47	0.54	0.63	0.30	0.83	0.10	0.22	0.62	0.58	0.37	0.61	2.67
Aridity Adj. (F)													
Est. Dewpoint (F)	17.42	21.32	25.00	27.72	32.84	40.12	45.77	43.47	36.97	32.88	25.27	19.81	30.72
Rs (langleys/day)	173	268	357	472	568	640	674	601	469	303	200	131	405
Wind (mpd)	103	124	147	151	135	126	96	98	91	111	98	100	115
Calc. Wind Limit (mpd)	99	98	108	120	110	98	96	96	96	96	96	96	101
	.....Inches.....												
Alfalfa (Beef)				2.00	6.51	7.43	7.77	7.50	5.46	1.36			38.03
St Dev				0.69	0.78	1.30	0.54	0.96	0.52	0.57			2.51
Net Irr				1.12	5.85	6.81	7.69	7.03	4.92	0.53			33.95
Alfalfa (Dairy)				2.00	6.00	6.78	7.92	6.72	4.74	1.33			35.50
St Dev				0.69	0.58	0.86	0.34	0.41	0.55	0.61			2.39
Net Irr				1.12	5.35	6.16	7.84	6.25	4.21	0.50			31.43
Apples / Cherries				1.04	5.64	9.13	10.78	9.25	5.57	2.40	0.07		43.88
St Dev				0.44	1.12	1.18	0.55	0.64	0.62	0.34	0.07		2.94
Net Irr				0.16	4.98	8.50	10.70	8.78	5.03	1.57			39.73
Barley				1.05	5.60	8.84	3.21						18.71
St Dev				0.34	1.58	0.92	1.79						1.19
Net Irr				0.18	4.95	8.22	3.13						16.47
Corn					0.95	4.06	9.75	6.59	1.06				22.41
St Dev					0.38	1.52	0.52	1.46	1.03				1.04
Net Irr					0.29	3.44	9.67	6.12	0.52				20.04
Melon					0.91	4.41	6.74	5.82	3.99	0.25			22.11
St Dev					0.41	0.90	0.35	0.41	0.46	0.32			1.56
Net Irr					0.25	3.78	6.66	5.35	3.45				19.49
Onion				0.04	3.20	6.35	10.31	8.82	3.27				31.99
St Dev				0.09	0.77	1.18	0.54	0.61	0.72				1.97
Net Irr					2.54	5.73	10.23	8.35	2.73				29.58
Other Hay				2.00	7.29	8.61	5.26	3.02	1.42	0.06			27.66
St Dev				0.70	1.24	0.90	0.54	0.22	0.22	0.06			2.04
Net Irr				1.13	6.64	7.98	5.18	2.55	0.89				24.36
Other Orchard				0.98	5.37	8.48	9.95	8.52	5.02	2.34	0.07		40.73
St Dev				0.39	1.09	1.07	0.51	0.59	0.56	0.32	0.07		2.73
Net Irr				0.11	4.71	7.86	9.87	8.05	4.48	1.51			36.59
Pasture			0.01	1.88	4.96	6.02	7.05	6.09	4.24	2.16	0.31		32.71
St Dev			0.02	0.50	0.78	0.75	0.36	0.43	0.47	0.29	0.29		2.06
Net Irr				1.00	4.30	5.39	6.97	5.62	3.70	1.33			28.32
Potato					1.30	5.18	7.86	4.48	0.27				19.09
St Dev					0.54	1.24	0.43	1.39	0.37				0.72
Net Irr					0.64	4.56	7.78	4.01					16.99
Safflower					1.95	8.65	10.37	8.90	5.02	1.10			35.99
St Dev					1.11	1.22	0.53	0.62	0.69	0.33			2.40
Net Irr					1.30	8.02	10.29	8.43	4.49	0.28			32.80
Sorghum					1.16	4.39	8.96	8.06	3.41				25.97
St Dev					0.44	1.04	0.49	0.56	0.87				1.56
Net Irr					0.50	3.76	8.88	7.59	2.87				23.60

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Corinne

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 41.52, Long: -112.17, Elev: 4238 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.02	5.35	9.00	4.52						19.89
St Dev				0.32	1.57	1.06	1.98						1.30
Net Irr				0.14	4.69	8.37	4.44						17.65
Winter Wheat			0.59	1.87	6.09	7.99	1.78						18.33
St Dev			0.14	0.42	1.81	0.99	1.39						1.16
Net Irr			0.01	0.99	5.44	7.37	1.70						15.52
Garden				0.03	1.74	3.75	7.40	6.93	1.96				21.80
St Dev				0.07	0.43	0.69	0.53	0.52	0.48				1.33
Net Irr					1.08	3.12	7.32	6.46	1.42				19.40
Small Fruit					1.13	4.86	9.67	8.68	5.06	0.07			29.46
St Dev					0.47	1.13	0.58	0.62	0.96	0.15			1.93
Net Irr					0.48	4.24	9.59	8.21	4.52				27.03
Turfgrass			0.02	2.10	4.14	5.31	6.22	5.37	3.76	2.13	0.38		29.43
St Dev			0.04	0.38	0.69	0.66	0.32	0.38	0.41	0.25	0.33		1.88
Net Irr				1.22	3.48	4.69	6.14	4.90	3.22	1.30			24.96
Turfgrass Dixie			0.02	2.31	4.01	5.72	6.74	5.82	4.07	2.31	0.42		31.42
St Dev			0.04	0.39	0.67	0.73	0.35	0.41	0.44	0.28	0.36		2.02
Net Irr				1.44	3.35	5.09	6.66	5.35	3.54	1.48			26.91
Open Water Deep	0.74	0.91	1.68	2.50	3.75	4.65	6.16	5.72	3.62	2.55	1.60	0.81	34.70
St Dev	0.16	0.20	0.25	0.22	0.84	0.92	0.71	0.99	0.65	0.39	0.34	0.20	3.84
Net Evap		0.16	0.96	1.40	2.94	3.87	6.06	5.13	2.95	1.51	1.03		26.01
Open Water Shallow	0.70	1.25	2.56	3.84	5.15	5.93	6.95	6.21	4.42	2.50	1.29	0.59	41.39
St Dev	0.09	0.11	0.22	0.30	0.64	0.60	0.20	0.21	0.30	0.21	0.20	0.11	2.00
Net Evap		0.50	1.84	2.74	4.34	5.15	6.85	5.62	3.74	1.47	0.72		32.96
Wetlands Large					0.32	5.18	10.49	9.40	6.58	2.70			34.67
St Dev					0.41	1.52	0.58	0.66	0.72	0.66			2.59
Net ET						4.55	10.41	8.93	6.04	1.87			31.81
Wetlands Narrow					0.38	7.04	14.96	13.43	9.40	3.86			49.08
St Dev					0.50	2.21	0.83	0.94	1.02	0.94			3.67
Net ET						6.42	14.88	12.96	8.86	3.03			46.16
ETr	0.92	1.54	3.44	5.42	7.50	8.85	10.37	8.96	6.27	3.55	1.91	0.87	59.60
St Dev	0.15	0.27	0.37	0.38	1.08	1.10	0.53	0.63	0.68	0.42	0.37	0.23	4.09

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Flowell

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 38.96, Long: -112.42, Elev: 4735 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.98	33.78	39.68	45.13	54.70	65.01	74.79	71.03	63.19	49.52	37.50	25.72	48.83
St Dev	2.53	2.24	1.12	1.96	4.40	0.82	0.57	1.27	1.73	2.42	3.64	5.67	0.38
Precip (in)	0.55	0.71	0.65	0.93	1.25	0.97	0.40	0.27	0.29	0.89	0.77	0.95	8.64
St Dev	0.27	0.49	0.43	0.78	0.66	0.22	0.22	0.32	0.25	0.58	0.31	0.53	3.83
Aridity Adj. (F)													
Est. Dewpoint (F)	17.92	21.74	19.55	21.20	29.34	35.36	42.72	39.34	32.15	27.44	22.14	17.79	27.22
Rs (langleys/day)	189	258	376	468	528	556	611	600	519	328	225	174	403
Wind (mpd)	67	74	116	132	108	100	75	73	65	69	69	66	84
Calc. Wind Limit (mpd)	96	96	111	132	96	96	96	96	96	96	96	96	100
	.....Inches.....												
Alfalfa (Beef)				2.44	6.27	6.52	7.05	7.35	5.54	0.81			35.98
St Dev				0.33	0.21	0.48	0.44	1.09	0.32	0.69			2.94
Net Irr				1.69	5.27	5.74	6.73	7.14	5.31	0.10			31.98
Alfalfa (Dairy)				2.44	5.88	6.45	7.19	6.36	4.74	0.61			33.65
St Dev				0.33	0.21	1.07	0.39	0.64	0.21	0.50			2.86
Net Irr				1.69	4.88	5.67	6.87	6.14	4.51				29.75
Apples / Cherries					3.84	7.98	9.81	8.89	6.28	1.17			37.97
St Dev					0.20	1.03	0.38	0.90	0.27	0.99			3.03
Net Irr					2.84	7.20	9.49	8.68	6.05	0.45			34.72
Barley				0.98	4.63	8.39	4.32						18.33
St Dev				0.07	0.84	1.04	1.21						1.42
Net Irr				0.23	3.63	7.61	4.00						15.48
Corn					1.39	4.59	9.19	6.59	0.85				22.61
St Dev					0.21	0.36	0.33	0.68	0.27				1.21
Net Irr					0.39	3.81	8.87	6.37	0.62				20.07
Melon					1.61	4.95	6.13	5.56	2.26				20.50
St Dev					0.17	0.60	0.23	0.56	1.18				2.16
Net Irr					0.60	4.17	5.81	5.34	2.03				17.96
Onion					3.20	6.11	9.41	8.14	2.16				29.02
St Dev					0.18	0.84	0.36	1.04	1.20				2.87
Net Irr					2.20	5.33	9.09	7.93	1.93				26.48
Other Hay				2.55	6.97	7.78	4.37	2.79	1.34				25.81
St Dev				0.38	0.35	0.89	0.10	0.26	0.04				1.49
Net Irr				1.80	5.97	7.01	4.05	2.58	1.11				22.52
Other Orchard					3.62	7.53	9.06	8.20	5.72	1.06			35.19
St Dev					0.18	0.96	0.35	0.83	0.24	0.91			2.79
Net Irr					2.61	6.75	8.73	7.99	5.49	0.35			31.93
Pasture				1.54	4.52	5.57	6.41	5.81	4.09	0.77			28.71
St Dev				0.23	0.23	0.67	0.25	0.59	0.40	0.71			2.24
Net Irr				0.80	3.51	4.80	6.09	5.59	3.86	0.06			24.71
Potato					1.52	4.70	7.23	5.03	0.26				18.74
St Dev					0.26	0.25	0.28	0.58	0.21				1.02
Net Irr					0.52	3.92	6.91	4.82	0.03				16.20
Safflower					4.08	8.19	9.43	8.15	3.91	0.31			34.08
St Dev					0.41	0.98	0.36	0.92	0.68	0.26			2.80
Net Irr					3.08	7.42	9.11	7.94	3.68				31.22
Sorghum					1.77	5.52	8.46	7.69	1.21				24.66
St Dev					0.18	0.65	0.32	0.78	0.22				1.68
Net Irr					0.77	4.74	8.14	7.48	0.98				22.11

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Flowell

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 38.96, Long: -112.42, Elev: 4735 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.96	4.40	8.38	5.61						19.34
St Dev				0.07	0.79	0.97	1.01						1.28
Net Irr				0.21	3.39	7.60	5.28						16.49
Winter Wheat			0.67	1.72	4.89	8.25	2.80						18.32
St Dev			0.03	0.05	0.87	1.16	1.12						1.44
Net Irr			0.14	0.97	3.89	7.47	2.48						14.95
Garden					1.77	3.59	6.91	6.47	1.34				20.08
St Dev					0.09	0.48	0.35	0.59	0.55				1.65
Net Irr					0.77	2.82	6.58	6.26	1.11				17.54
Small Fruit					1.63	5.52	9.25	7.98	2.79				27.17
St Dev					0.08	0.77	0.37	0.86	1.43				2.80
Net Irr					0.62	4.75	8.93	7.76	2.56				24.63
Turfgrass				1.90	3.73	4.92	5.66	5.13	3.88	0.88			26.09
St Dev				0.24	0.18	0.59	0.22	0.52	0.19	0.77			2.03
Net Irr				1.15	2.73	4.14	5.34	4.91	3.65	0.17			22.09
Turfgrass Dixie				2.11	3.63	5.25	6.13	5.56	4.20	0.95			27.84
St Dev				0.27	0.18	0.65	0.23	0.56	0.20	0.83			2.22
Net Irr				1.36	2.63	4.48	5.81	5.34	3.97	0.24			23.84
Open Water Deep	0.69	0.93	1.83	2.38	2.84	3.90	4.79	4.60	3.12	2.21	1.45	0.72	29.44
St Dev	0.23	0.27	0.23	0.20	0.50	0.28	0.55	1.10	0.38	0.53	0.20	0.20	2.73
Net Evap	0.14	0.22	1.18	1.45	1.59	2.93	4.38	4.33	2.83	1.32	0.68		21.04
Open Water Shallow	0.88	1.43	2.79	3.70	4.66	5.20	6.24	5.99	4.72	2.70	1.46	0.78	40.52
St Dev	0.03	0.12	0.20	0.35	0.17	0.80	0.08	0.24	0.02	0.24	0.22	0.10	1.92
Net Evap	0.33	0.73	2.13	2.76	3.41	4.23	5.83	5.72	4.43	1.81	0.69		32.06
Wetlands Large					1.14	6.46	9.90	8.97	6.79	1.09			34.36
St Dev					0.30	0.74	0.38	0.91	0.33	0.85			2.89
Net ET					0.14	5.68	9.57	8.76	6.56	0.38			31.10
Wetlands Narrow					1.42	9.05	14.14	12.82	9.70	1.56			48.69
St Dev					0.40	1.05	0.55	1.30	0.47	1.22			4.13
Net ET					0.41	8.27	13.81	12.61	9.47	0.85			45.43
ETr	1.15	1.88	4.15	5.68	7.02	8.19	9.43	8.55	6.47	3.83	2.16	1.09	59.61
St Dev	0.18	0.29	0.37	0.48	0.35	0.98	0.36	0.86	0.31	0.60	0.29	0.20	3.58

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Hardware Ranch

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2001-2009, Lat: 41.6, Long: -111.57, Elev: 5564 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	22.69	22.36	32.99	41.99	50.04	57.06	66.27	63.86	54.78	42.74	31.90	22.06	42.39
St Dev	4.73	2.55	2.71	1.99	1.35	1.97	2.44	2.07	2.38	2.57	2.45	4.71	0.86
Precip (in)	0.81	0.98	1.24	1.82	0.94	0.83	0.44	0.79	0.95	2.63	12.43	0.76	24.61
St Dev	0.95	0.62	0.64	1.35	0.80	1.21	0.40	0.98	1.19	4.82	26.65	0.53	33.54
Aridity Adj. (F)													
Est. Dewpoint (F)	16.76	14.45	20.66	25.81	30.12	35.66	39.10	37.01	31.10	24.56	21.86	16.13	26.10
Rs (langleys/day)	172	263	369	457	591	639	671	572	447	300	182	133	400
Wind (mpd)	37	38	51	56	56	51	48	51	51	46	36	32	46
Calc. Wind Limit (mpd)	96	96	97	108	100	96	96	96	96	96	96	96	97
	.....Inches.....												
Alfalfa (Beef)				0.77	4.80	5.14	7.13	5.58	1.44				24.85
St Dev				0.14	0.36	0.76	0.86	0.67	0.76				2.54
Net Irr					4.05	4.48	6.78	4.94	0.69				20.93
Alfalfa (Dairy)				0.77	4.80	5.03	5.97	5.08	1.79				23.44
St Dev				0.14	0.36	0.68	0.62	0.63	0.96				2.60
Net Irr					4.05	4.37	5.62	4.45	1.03				19.52
Apples / Cherries					1.38	5.21	8.23	7.28	3.24	0.13			25.48
St Dev					0.16	0.73	0.70	0.81	1.02	0.32			1.85
Net Irr					0.63	4.55	7.88	6.65	2.48				22.19
Barley				0.32	2.50	6.31	7.34	1.01					17.48
St Dev				0.06	0.33	0.91	0.84	0.47					1.48
Net Irr					1.75	5.65	6.99	0.38					14.77
Corn					0.50	1.99	6.59	6.70	1.71				17.50
St Dev					0.07	0.45	0.75	0.71	0.95				2.12
Net Irr						1.33	6.24	6.07	0.95				14.60
Melon					0.45	2.80	5.17	3.60	0.60				12.63
St Dev					0.07	0.39	0.44	1.37	0.68				1.99
Net Irr						2.14	4.82	2.97					9.93
Onion					1.09	3.55	7.21	5.19	0.63				17.67
St Dev					0.17	0.50	0.62	2.15	0.73				2.87
Net Irr					0.34	2.88	6.86	4.56					14.65
Other Hay				0.79	5.32	6.78	4.76	2.50	0.84	0.01			21.01
St Dev				0.14	0.35	0.96	0.42	0.28	0.24	0.03			1.75
Net Irr					4.57	6.12	4.41	1.87	0.08				17.05
Other Orchard					1.29	4.99	7.63	6.72	2.98	0.12			23.74
St Dev					0.14	0.70	0.65	0.75	0.94	0.29			1.73
Net Irr					0.54	4.33	7.28	6.09	2.23				20.47
Pasture				0.49	3.39	4.50	5.41	4.70	1.80	0.07			20.36
St Dev				0.08	0.22	0.63	0.46	0.49	0.67	0.17			1.37
Net Irr					2.64	3.84	5.06	4.07	1.04				16.65
Potato					0.50	2.06	5.57	5.33	1.48				14.94
St Dev					0.07	0.37	0.56	0.60	0.82				1.78
Net Irr						1.39	5.22	4.69	0.73				12.03
Safflower					0.72	6.23	7.95	6.36	1.62	0.05			22.92
St Dev					0.12	0.88	0.68	0.59	0.80	0.11			1.80
Net Irr						5.57	7.60	5.72	0.86				19.75
Sorghum					0.63	2.70	6.63	6.30	1.93				18.19
St Dev					0.09	0.37	0.57	0.70	1.06				1.98
Net Irr						2.04	6.28	5.67	1.17				15.16

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Hardware Ranch

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2001-2009, Lat: 41.6, Long: -111.57, Elev: 5564 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.32	2.36	6.13	7.80	1.97					18.58
St Dev				0.05	0.31	0.87	0.84	0.70					1.70
Net Irr					1.61	5.47	7.45	1.33					15.87
Winter Wheat			0.28	1.04	2.73	6.41	6.34	0.55					17.34
St Dev			0.05	0.09	0.48	0.97	0.99	0.29					1.40
Net Irr					1.98	5.75	5.99						13.72
Garden					0.63	2.05	4.42	4.49	0.69				12.28
St Dev					0.09	0.29	0.39	1.75	0.77				2.41
Net Irr						1.39	4.06	3.86					9.32
Small Fruit					0.42	2.63	6.72	5.34	0.79				15.89
St Dev					0.06	0.37	0.58	2.01	0.90				2.76
Net Irr						1.97	6.37	4.70	0.03				13.07
Turfgrass				0.72	2.88	3.94	4.77	4.20	1.87	0.08			18.47
St Dev				0.12	0.19	0.56	0.41	0.47	0.59	0.21			1.24
Net Irr					2.13	3.28	4.42	3.57	1.11				14.51
Turfgrass Dixie				0.80	2.93	4.06	5.17	4.55	2.03	0.09			19.63
St Dev				0.13	0.19	0.57	0.44	0.51	0.64	0.22			1.33
Net Irr					2.18	3.40	4.82	3.92	1.27				15.58
Open Water Deep	0.38	0.31	0.59	0.93	1.39	1.65	2.41	2.62	1.81	1.27	0.57	0.30	14.22
St Dev	0.11	0.10	0.20	0.25	0.27	0.62	0.57	0.75	0.61	0.61	0.13	0.09	3.72
Net Evap					0.45	0.83	1.97	1.83	0.86				5.94
Open Water Shallow	0.66	0.97	2.12	3.13	4.52	4.98	5.93	5.18	3.65	2.14	0.94	0.50	34.73
St Dev	0.09	0.06	0.10	0.15	0.20	0.46	0.17	0.19	0.31	0.32	0.10	0.10	1.07
Net Evap			0.88	1.31	3.58	4.15	5.49	4.39	2.71				22.51
Wetlands Large					0.10	3.56	7.99	7.35	2.25				21.25
St Dev					0.07	0.49	0.65	0.82	1.24				2.12
Net ET						2.90	7.64	6.72	1.50				18.76
Wetlands Narrow					0.10	4.78	11.41	10.51	3.22				30.02
St Dev					0.07	0.66	0.93	1.17	1.77				2.99
Net ET						4.12	11.06	9.87	2.46				27.51
ETr	0.79	1.10	2.45	3.90	5.84	6.62	7.95	7.00	4.91	2.83	1.12	0.58	45.10
St Dev	0.10	0.16	0.26	0.27	0.39	0.93	0.68	0.78	0.87	0.84	0.20	0.10	4.33

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Laketown

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 41.84, Long: -111.33, Elev: 5959 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.34	22.33	29.00	37.39	46.98	56.05	64.80	62.13	55.64	43.06	32.27	23.09	41.09
St Dev	5.19	2.09	3.99	3.77	3.53	0.14	0.11	0.66	2.83	2.68	2.74	4.69	1.21
Precip (in)							0.01						0.01
St Dev						0.01	0.01	0.01					0.02
Aridity Adj. (F)													
Est. Dewpoint (F)	13.27	14.06	16.61	20.10	27.58	35.30	37.25	34.98	28.48	24.75	19.52	13.49	23.78
Rs (langley/day)	185	283	397	494	537	592	682	588	482	300	204	155	408
Wind (mpd)	105	85	116	125	124	113	107	114	104	105	107	106	109
Calc. Wind Limit (mpd)	96	96	118	110	114	96	106	105	96	96	102	96	103
	.....Inches.....												
Alfalfa (Beef)				0.39	4.24	5.84	8.22	6.12	3.12	0.02			27.94
St Dev				0.34	0.80	0.93	0.20	0.35	1.33	0.03			1.74
Net Irr				0.39	4.24	5.84	8.21	6.11	3.12	0.02			27.93
Alfalfa (Dairy)				0.39	4.24	5.24	7.01	6.38	2.94	0.01			26.21
St Dev				0.34	0.80	0.43	0.39	0.18	2.03	0.02			1.94
Net Irr				0.39	4.24	5.24	7.00	6.38	2.94	0.01			26.20
Apples / Cherries					2.61	6.49	9.80	8.76	6.25	1.21			35.12
St Dev					0.37	0.61	0.39	0.29	0.51	1.07			1.66
Net Irr					2.61	6.49	9.79	8.75	6.25	1.21			35.11
Barley				0.27	1.96	5.99	9.47	2.77					20.46
St Dev				0.11	0.58	0.39	0.56	0.76					0.61
Net Irr				0.27	1.96	5.99	9.47	2.77					20.45
Corn					0.13	1.44	5.41	8.32	3.93	0.03			19.26
St Dev					0.15	0.08	0.08	0.27	2.13	0.05			2.05
Net Irr					0.13	1.43	5.40	8.32	3.93	0.03			19.25
Melon					0.11	2.06	5.89	5.47	1.10				14.62
St Dev					0.13	0.13	0.12	0.18	1.75				1.72
Net Irr					0.11	2.05	5.88	5.47	1.10				14.61
Onion					1.20	3.83	8.75	7.85	1.22				22.85
St Dev					0.36	0.24	0.27	0.25	1.99				2.06
Net Irr					1.20	3.82	8.75	7.84	1.22				22.84
Other Hay				0.40	4.78	7.14	6.49	3.15	1.71	0.19			23.85
St Dev				0.35	0.82	0.68	1.07	0.19	0.04	0.13			0.97
Net Irr				0.40	4.78	7.13	6.48	3.14	1.71	0.19			23.84
Other Orchard					2.43	6.16	9.04	8.08	5.71	1.09			32.52
St Dev					0.34	0.58	0.36	0.26	0.46	0.96			1.52
Net Irr					2.43	6.16	9.04	8.08	5.71	1.09			32.51
Pasture				0.44	3.24	4.69	6.40	5.72	4.01	0.74			25.25
St Dev				0.08	0.43	0.42	0.25	0.19	0.39	0.72			1.12
Net Irr				0.44	3.24	4.68	6.40	5.72	4.01	0.74			25.24
Potato					0.31	1.82	6.09	6.57	3.03	0.02			17.84
St Dev					0.17	0.10	0.06	0.22	1.65	0.04			1.76
Net Irr					0.31	1.82	6.08	6.56	3.03	0.02			17.83
Safflower					0.13	5.18	9.42	8.36	4.55	0.54			28.17
St Dev					0.15	0.04	0.37	0.36	0.93	0.57			1.91
Net Irr					0.13	5.18	9.41	8.35	4.55	0.54			28.16
Sorghum					0.16	2.10	6.86	7.57	3.69				20.39
St Dev					0.19	0.07	0.24	0.24	1.99				1.96
Net Irr					0.16	2.10	6.86	7.57	3.69				20.38

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Laketown

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2008-2010, Lat: 41.84, Long: -111.33, Elev: 5959 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.27	1.87	5.74	9.63	4.39	0.04				21.94
St Dev				0.11	0.54	0.35	0.45	0.81	0.06				0.63
Net Irr				0.27	1.87	5.74	9.63	4.39	0.04				21.93
Winter Wheat				0.99	1.98	5.60	9.24	2.11					19.92
St Dev				0.06	0.47	0.30	0.90	0.75					0.93
Net Irr				0.99	1.98	5.60	9.23	2.10					19.91
Garden					0.68	2.25	5.46	6.88	1.06				16.33
St Dev					0.21	0.14	0.18	0.22	1.65				1.36
Net Irr					0.68	2.24	5.46	6.88	1.06				16.32
Small Fruit					0.25	2.35	7.41	8.14	1.46				19.60
St Dev					0.14	0.11	0.23	0.15	2.33				2.55
Net Irr					0.25	2.35	7.40	8.13	1.46				19.59
Turfgrass				0.68	2.84	4.09	5.65	5.05	3.78	0.87			22.96
St Dev				0.11	0.33	0.36	0.22	0.16	0.30	0.79			0.98
Net Irr				0.68	2.84	4.09	5.65	5.05	3.78	0.87			22.95
Turfgrass Dixie				0.76	2.93	4.19	6.12	5.47	4.09	0.94			24.51
St Dev				0.12	0.32	0.34	0.24	0.18	0.33	0.85			1.08
Net Irr				0.76	2.93	4.19	6.12	5.47	4.09	0.94			24.50
Open Water Deep	0.74	0.58	1.03	1.48	2.30	2.74	4.64	4.77	3.38	2.30	1.50	0.98	26.44
St Dev	0.13	0.05	0.26	0.25	0.35	0.28	0.28	0.36	0.41	0.20	0.02	0.17	0.77
Net Evap	0.74	0.58	1.03	1.48	2.30	2.74	4.63	4.77	3.38	2.30	1.50	0.98	26.43
Open Water Shallow	0.73	1.12	2.20	3.25	4.26	4.88	6.33	5.56	4.21	2.33	1.21	0.73	36.82
St Dev	0.08	0.03	0.06	0.11	0.39	0.41	0.17	0.08	0.27	0.15	0.10	0.06	0.13
Net Evap	0.73	1.12	2.20	3.25	4.26	4.88	6.32	5.56	4.21	2.33	1.21	0.73	36.80
Wetlands Large						1.53	7.70	8.84	4.45	0.04			22.56
St Dev						0.24	0.24	0.29	2.51	0.07			2.54
Net ET						1.53	7.70	8.84	4.45	0.04			22.55
Wetlands Narrow						1.93	10.82	12.63	6.35	0.06			31.79
St Dev						0.36	0.39	0.41	3.59	0.10			3.67
Net ET						1.93	10.81	12.63	6.35	0.06			31.78
ETr	0.96	1.25	2.67	4.24	5.86	6.90	9.42	8.42	6.30	3.46	1.82	1.12	52.41
St Dev	0.08	0.06	0.26	0.28	0.65	0.63	0.37	0.27	0.50	0.28	0.15	0.14	0.53

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Lewiston

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2007-2010, Lat: 41.95, Long: -111.87, Elev: 4514 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.32	25.44	34.83	44.05	51.91	60.99	69.99	67.06	58.31	45.98	35.08	22.68	44.55
St Dev	2.74	3.47	3.06	2.78	3.44	1.66	2.21	1.55	2.28	2.07	3.13	4.74	1.20
Precip (in)	0.93	1.08	0.81	1.42	1.55	1.71	0.90	1.02	0.92	1.33	1.02	1.44	14.14
St Dev	0.55	0.56	0.27	0.75	0.49	1.34	0.64	1.22	0.48	0.63	1.03	1.02	2.45
Aridity Adj. (F)													
Est. Dewpoint (F)	13.79	19.61	23.17	26.23	32.70	40.25	44.24	42.29	35.23	30.54	23.75	17.90	29.14
Rs (langley/day)	152	237	346	445	535	602	663	584	469	288	194	118	386
Wind (mpd)	81	69	102	117	97	87	80	94	86	88	84	84	89
Calc. Wind Limit (mpd)	96	96	96	99	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)				1.21	5.14	5.40	7.36	7.04	3.65	0.30			30.09
St Dev				0.55	0.95	0.72	0.78	0.23	0.82	0.33			2.30
Net Irr				0.07	3.90	4.03	6.64	6.22	2.91				23.77
Alfalfa (Dairy)				1.21	4.94	5.52	6.73	6.10	3.83	0.36			28.68
St Dev				0.55	0.62	0.68	0.19	0.41	0.31	0.35			1.90
Net Irr				0.07	3.70	4.15	6.01	5.29	3.09				22.30
Apples / Cherries				0.51	4.06	7.27	9.37	8.48	5.38	0.98			36.04
St Dev				0.32	0.76	0.99	0.24	0.39	0.29	0.52			2.56
Net Irr					2.83	5.90	8.64	7.67	4.64				29.68
Barley				0.61	3.35	7.17	6.46	0.20					17.78
St Dev				0.21	1.13	0.94	1.85	0.23					1.13
Net Irr					2.11	5.80	5.73						13.65
Corn					0.55	2.23	7.37	7.62	3.79	0.31			21.86
St Dev					0.31	1.05	0.81	0.46	1.56	0.30			0.61
Net Irr						0.86	6.64	6.81	3.06				17.36
Melon					0.52	3.25	5.85	5.32	2.43				17.37
St Dev					0.34	0.84	0.15	0.26	1.07				2.00
Net Irr						1.88	5.13	4.50	1.70				13.21
Onion					2.17	4.73	8.83	7.96	2.37				26.06
St Dev					0.74	1.08	0.25	0.36	1.13				2.44
Net Irr					0.93	3.36	8.11	7.14	1.63				21.18
Other Hay				1.24	5.55	7.12	4.98	2.85	1.42	0.11			23.26
St Dev				0.56	0.87	0.77	0.58	0.08	0.13	0.07			1.30
Net Irr				0.10	4.31	5.75	4.26	2.04	0.68				17.14
Other Orchard				0.49	3.84	6.78	8.64	7.82	4.86	0.91			33.35
St Dev				0.29	0.75	0.90	0.22	0.36	0.27	0.53			2.40
Net Irr					2.61	5.41	7.92	7.01	4.12				27.07
Pasture				1.23	3.81	4.84	6.12	5.56	3.72	0.65			25.93
St Dev				0.42	0.55	0.61	0.16	0.27	0.15	0.46			2.12
Net Irr				0.09	2.57	3.47	5.40	4.75	2.98				19.27
Potato					0.73	3.00	6.79	5.79	2.91	0.28			19.50
St Dev					0.31	0.91	0.08	0.29	1.28	0.30			0.75
Net Irr						1.63	6.07	4.97	2.17				14.85
Safflower					1.01	6.76	9.01	8.06	3.97	0.39			29.21
St Dev					0.95	1.12	0.23	0.41	0.27	0.27			2.82
Net Irr						5.39	8.28	7.25	3.24				24.16
Sorghum					0.68	3.20	7.59	7.36	3.71				22.53
St Dev					0.38	0.91	0.28	0.36	0.88				1.04
Net Irr						1.83	6.86	6.55	2.97				18.21

All values are 4 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Lewiston

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2007-2010, Lat: 41.95, Long: -111.87, Elev: 4514 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.60	3.16	7.09	7.39	0.71					18.94
St Dev				0.20	1.05	0.97	1.54	0.56					1.09
Net Irr					1.92	5.72	6.66						14.30
Winter Wheat			0.39	1.30	3.60	7.12	4.85	0.14					17.39
St Dev			0.12	0.20	1.45	0.87	2.16	0.16					1.19
Net Irr				0.16	2.36	5.75	4.12						12.39
Garden					1.19	2.80	6.07	6.50	1.73				18.28
St Dev					0.42	0.63	0.46	0.23	0.74				1.26
Net Irr						1.43	5.35	5.69	0.99				13.46
Small Fruit					0.67	3.50	8.12	7.91	3.21				23.40
St Dev					0.34	0.89	0.36	0.33	1.44				2.62
Net Irr						2.13	7.39	7.10	2.47				19.09
Turfgrass				1.49	3.16	4.27	5.40	4.91	3.52	0.78			23.53
St Dev				0.35	0.48	0.54	0.14	0.24	0.19	0.48			1.83
Net Irr				0.35	1.92	2.90	4.68	4.09	2.78				16.73
Turfgrass Dixie				1.65	3.09	4.56	5.85	5.32	3.81	0.85			25.13
St Dev				0.37	0.45	0.62	0.15	0.26	0.21	0.51			1.96
Net Irr				0.51	1.85	3.19	5.13	4.50	3.07				18.26
Open Water Deep	0.52	0.51	0.96	1.57	2.02	2.64	3.95	4.33	2.86	1.97	1.34	0.68	23.34
St Dev	0.09	0.10	0.07	0.13	0.28	0.33	0.10	0.59	0.22	0.27	0.18	0.17	1.38
Net Evap			0.15	0.15	0.47	0.93	3.05	3.31	1.94	0.64	0.32		10.95
Open Water Shallow	0.52	0.96	2.14	3.30	4.37	5.09	6.27	5.64	4.09	2.22	1.15	0.47	36.21
St Dev	0.05	0.08	0.19	0.28	0.52	0.61	0.13	0.16	0.20	0.17	0.18	0.07	1.68
Net Evap			1.33	1.88	2.82	3.37	5.37	4.63	3.17	0.89	0.12		23.58
Wetlands Large					0.14	3.47	8.77	8.59	6.16	0.61			27.73
St Dev					0.28	1.34	0.33	0.42	0.34	0.62			1.94
Net ET						2.10	8.05	7.77	5.42				23.34
Wetlands Narrow					0.17	4.65	12.48	12.27	8.79	0.87			39.23
St Dev					0.33	1.94	0.49	0.60	0.48	0.89			2.75
Net ET						3.28	11.76	11.45	8.06				34.55
ETr	0.73	1.15	2.69	4.47	5.94	7.12	9.01	8.18	5.86	3.16	1.70	0.74	50.75
St Dev	0.07	0.13	0.25	0.30	0.73	0.90	0.23	0.40	0.32	0.39	0.31	0.19	2.75

All values are 4 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Logan Drainage Farm

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2001-2010, Lat: 41.76, Long: -111.88, Elev: 4435 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	21.30	24.29	36.67	45.77	53.80	61.95	71.67	68.31	58.63	46.46	33.58	25.49	45.66
St Dev	6.23	3.86	3.29	2.30	2.39	1.95	2.26	2.17	1.86	2.28	3.64	5.33	1.50
Precip (in)	0.25	0.93	0.46	1.30	0.56	1.10	1.04	0.20	0.74	0.49	0.92	0.87	8.87
St Dev	0.34	1.68	0.60	1.57	0.69	2.06	2.20	0.34	1.05	0.68	1.14	1.30	6.96
Aridity Adj. (F)													
Est. Dewpoint (F)	16.39	18.87	24.89	28.17	33.35	39.17	43.72	41.45	35.27	29.29	22.28	18.86	29.31
Rs (langleys/day)	164	253	356	452	579	644	666	574	447	290	178	128	394
Wind (mpd)	49	46	74	94	83	69	65	74	64	59	53	53	65
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)				1.40	5.66	5.54	6.94	6.95	2.66	0.27			29.42
St Dev				0.50	0.68	0.51	0.48	0.51	0.97	0.39			1.79
Net Irr				0.36	5.22	4.65	6.10	6.79	2.07				25.20
Alfalfa (Dairy)				1.40	5.31	5.61	6.75	5.87	2.63	0.29			27.85
St Dev				0.50	0.48	0.49	0.41	0.36	1.20	0.46			1.68
Net Irr				0.36	4.86	4.72	5.91	5.71	2.04				23.61
Apples / Cherries				0.67	4.55	7.43	9.28	8.19	4.75	1.13			36.00
St Dev				0.29	0.58	0.74	0.55	0.44	0.58	0.72			2.32
Net Irr					4.11	6.55	8.44	8.03	4.16	0.73			32.02
Barley				0.70	3.97	7.39	5.29	0.02					17.36
St Dev				0.21	0.84	0.74	1.37	0.05					1.04
Net Irr					3.52	6.50	4.45						14.48
Corn					0.72	2.70	7.99	7.12	2.53	0.11			21.17
St Dev					0.22	0.83	0.84	0.57	1.22	0.19			1.12
Net Irr					0.27	1.82	7.16	6.96	1.94				18.14
Melon					0.69	3.49	5.80	5.14	1.76				16.88
St Dev					0.24	0.58	0.34	0.27	0.58				1.10
Net Irr					0.25	2.61	4.96	4.98	1.17				13.97
Onion					2.38	4.76	8.80	7.65	1.79				25.37
St Dev					0.32	0.53	0.54	0.38	0.71				1.51
Net Irr					1.93	3.87	7.97	7.49	1.20				22.46
Other Hay				1.44	6.04	7.14	4.65	2.71	1.23	0.06			23.27
St Dev				0.53	0.65	0.59	0.52	0.17	0.21	0.05			1.34
Net Irr				0.40	5.60	6.26	3.82	2.54	0.64				19.26
Other Orchard				0.63	4.32	6.92	8.56	7.55	4.29	1.07			33.35
St Dev				0.26	0.57	0.67	0.51	0.40	0.53	0.70			2.16
Net Irr					3.88	6.03	7.73	7.39	3.70	0.68			29.41
Pasture				1.36	4.12	4.92	6.07	5.38	3.37	0.83			26.05
St Dev				0.37	0.42	0.46	0.36	0.29	0.45	0.61			1.78
Net Irr				0.33	3.68	4.04	5.23	5.21	2.78	0.44			21.70
Potato					0.92	3.47	6.84	5.36	1.85	0.08			18.53
St Dev					0.23	0.77	0.42	0.46	1.15	0.15			1.13
Net Irr					0.48	2.59	6.00	5.20	1.26				15.53
Safflower					1.47	7.03	8.92	7.78	3.74	0.57			29.51
St Dev					0.73	0.78	0.53	0.48	0.77	0.46			2.23
Net Irr					1.03	6.15	8.08	7.61	3.15	0.17			26.20
Sorghum					0.89	3.45	7.68	7.12	2.90				22.04
St Dev					0.26	0.65	0.53	0.38	0.85				0.94
Net Irr					0.45	2.57	6.84	6.96	2.31				19.12

All values are 10 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Logan Drainage Farm

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2001-2010, Lat: 41.76, Long: -111.88, Elev: 4435 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.68	3.76	7.35	6.34	0.26					18.40
St Dev				0.20	0.78	0.77	1.16	0.24					1.14
Net Irr					3.31	6.47	5.51	0.10					15.39
Winter Wheat			0.23	1.26	3.99	7.33	4.02	0.03					16.86
St Dev			0.06	0.14	0.86	0.75	1.25	0.07					0.99
Net Irr				0.22	3.54	6.45	3.19						13.40
Garden					1.29	2.82	6.09	6.32	1.42				17.93
St Dev					0.17	0.32	0.43	0.32	0.40				0.92
Net Irr					0.84	1.93	5.26	6.16	0.83				15.02
Small Fruit					0.88	3.82	8.27	7.56	2.29				22.82
St Dev					0.26	0.71	0.62	0.39	0.78				1.58
Net Irr					0.43	2.94	7.44	7.40	1.71				19.91
Turfgrass				1.58	3.43	4.34	5.35	4.75	3.16	0.94			23.54
St Dev				0.30	0.37	0.41	0.32	0.25	0.39	0.62			1.59
Net Irr				0.54	2.98	3.46	4.52	4.59	2.57	0.54			19.20
Turfgrass Dixie				1.74	3.33	4.66	5.80	5.14	3.42	1.02			25.12
St Dev				0.32	0.35	0.47	0.34	0.27	0.42	0.67			1.72
Net Irr				0.70	2.89	3.78	4.96	4.98	2.83	0.62			20.77
Open Water Deep	0.45	0.38	0.91	1.42	2.03	2.35	3.70	3.92	2.31	1.53	0.89	0.55	20.42
St Dev	0.17	0.16	0.27	0.23	0.30	0.57	0.62	0.55	0.51	0.48	0.20	0.14	2.88
Net Evap	0.20		0.45	0.12	1.48	1.25	2.66	3.72	1.57	1.03			12.46
Open Water Shallow	0.59	0.94	2.22	3.36	4.74	5.35	6.33	5.57	3.87	2.21	1.01	0.55	36.74
St Dev	0.13	0.12	0.27	0.16	0.38	0.39	0.20	0.17	0.32	0.24	0.13	0.09	1.01
Net Evap	0.34	0.01	1.76	2.07	4.18	4.25	5.28	5.37	3.13	1.72	0.08		28.19
Wetlands Large					0.24	4.08	9.00	8.31	4.55	0.52			26.70
St Dev					0.26	0.95	0.64	0.44	1.32	0.68			1.29
Net ET						3.20	8.17	8.15	3.96	0.13			23.60
Wetlands Narrow					0.28	5.54	12.84	11.87	6.49	0.75			37.77
St Dev					0.31	1.39	0.93	0.63	1.89	0.97			1.83
Net ET						4.65	12.01	11.70	5.90	0.35			34.62
ETr	0.71	1.01	2.71	4.41	6.32	7.24	8.92	7.91	5.26	2.90	1.31	0.71	49.43
St Dev	0.16	0.18	0.43	0.28	0.57	0.68	0.53	0.42	0.65	0.62	0.21	0.14	2.73

All values are 10 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Murray Golf Course

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2000-2010, Lat: 40.63, Long: -111.92, Elev: 4290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	31.16	35.17	42.78	50.23	58.95	67.81	77.26	74.31	64.35	52.17	39.67	31.46	52.11
St Dev	4.56	2.76	2.57	2.29	2.69	1.92	1.61	2.07	2.08	2.45	3.18	3.45	0.90
Precip (in)	0.68	0.84	1.30	1.63	1.61	1.18	0.71	0.81	1.02	1.29	0.88	0.77	12.72
St Dev	0.49	0.65	0.62	0.81	0.94	0.79	0.72	0.49	0.63	1.00	0.71	0.50	2.57
Aridity Adj. (F)													
Est. Dewpoint (F)	23.39	24.94	27.25	31.05	37.10	41.81	47.79	47.49	41.08	35.76	28.36	24.04	34.17
Rs (langley/day)	165	249	381	483	589	648	639	547	459	308	201	147	401
Wind (mpd)	77	85	103	115	94	90	82	90	79	77	73	82	87
Calc. Wind Limit (mpd)	96	96	105	114	96	96	96	96	96	96	96	96	98
	.....Inches.....												
Alfalfa (Beef)				2.76	5.75	7.37	7.03	6.33	5.10	2.07	0.23		36.63
St Dev				0.54	0.32	1.00	0.44	0.32	0.44	0.72	0.43		2.26
Net Irr				1.46	4.46	6.42	6.46	5.68	4.29	1.04			29.81
Alfalfa (Dairy)				2.76	5.27	6.16	7.08	6.27	4.46	2.33	0.10		34.44
St Dev				0.54	0.41	0.64	0.41	0.26	0.35	0.44	0.19		1.99
Net Irr				1.46	3.98	5.21	6.51	5.62	3.65	1.30			27.74
Apples / Cherries				1.55	5.79	8.59	9.75	8.34	4.88	2.00			40.90
St Dev				0.29	0.66	0.89	0.59	0.39	0.46	0.30			2.43
Net Irr				0.25	4.51	7.65	9.18	7.70	4.07	0.97			34.31
Barley				1.54	5.98	7.94	1.52						16.98
St Dev				0.35	0.89	0.69	0.82						0.92
Net Irr				0.24	4.69	6.99	0.95						12.88
Corn					1.06	4.37	8.99	4.82	0.20				19.43
St Dev					0.21	1.10	0.62	1.07	0.23				0.95
Net Irr						3.42	8.42	4.18					16.01
Melon					1.08	4.49	6.09	5.32	3.52	0.02			20.51
St Dev					0.26	0.61	0.37	0.25	0.41	0.04			1.16
Net Irr						3.54	5.52	4.67	2.70				16.43
Onion				0.13	3.35	6.51	9.37	7.86	2.25				29.46
St Dev				0.16	0.37	0.82	0.57	0.37	0.40				1.67
Net Irr					2.06	5.56	8.80	7.21	1.43				25.07
Other Hay				2.77	7.03	7.51	4.06	2.59	1.07				25.03
St Dev				0.51	0.68	0.77	0.27	0.14	0.17				1.66
Net Irr				1.47	5.75	6.56	3.49	1.94	0.26				19.47
Other Orchard				1.44	5.55	7.94	9.00	7.67	4.41	1.98			37.98
St Dev				0.27	0.63	0.82	0.54	0.35	0.41	0.29			2.27
Net Irr				0.14	4.26	6.99	8.43	7.02	3.60	0.95			31.38
Pasture			0.08	2.44	4.68	5.62	6.37	5.56	3.91	2.08	0.38		31.12
St Dev			0.08	0.27	0.43	0.58	0.38	0.27	0.35	0.31	0.36		1.92
Net Irr				1.14	3.39	4.68	5.80	4.91	3.09	1.05			24.07
Potato					1.52	5.29	7.00	3.26					17.09
St Dev					0.37	0.85	0.38	0.89					0.83
Net Irr					0.24	4.35	6.43	2.61					13.63
Safflower					2.61	8.22	9.37	8.07	4.32	0.80			33.41
St Dev					0.74	0.87	0.56	0.38	0.43	0.18			2.02
Net Irr					1.33	7.27	8.80	7.42	3.51				28.34
Sorghum					1.29	4.61	8.28	7.36	2.39				23.94
St Dev					0.25	0.75	0.55	0.35	0.56				1.34
Net Irr					0.01	3.67	7.71	6.71	1.58				19.67

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Murray Golf Course

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2000-2010, Lat: 40.63, Long: -111.92, Elev: 4290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.48	5.78	8.23	2.49						17.98
St Dev				0.34	0.91	0.72	1.02						0.88
Net Irr				0.18	4.50	7.28	1.92						13.88
Winter Wheat			0.82	2.25	6.47	6.51	0.60						16.66
St Dev			0.11	0.46	0.97	0.95	0.46						0.74
Net Irr				0.95	5.19	5.57	0.03						11.73
Garden				0.10	1.85	3.83	7.08	5.98	1.28				20.13
St Dev				0.12	0.21	0.49	0.54	0.30	0.25				1.15
Net Irr					0.57	2.89	6.51	5.33	0.47				15.77
Small Fruit					1.40	5.19	9.08	7.78	3.87				27.34
St Dev					0.31	0.76	0.62	0.36	0.54				1.51
Net Irr					0.12	4.25	8.51	7.14	3.06				23.07
Turfgrass			0.13	2.42	3.99	4.96	5.62	4.91	3.47	2.03	0.43		27.97
St Dev			0.14	0.20	0.38	0.52	0.34	0.23	0.30	0.26	0.38		1.67
Net Irr				1.12	2.70	4.02	5.05	4.26	2.65	1.00			20.81
Turfgrass Dixie			0.15	2.62	3.93	5.38	6.09	5.32	3.76	2.20	0.49		29.93
St Dev			0.16	0.21	0.39	0.56	0.37	0.25	0.32	0.28	0.44		1.80
Net Irr				1.31	2.64	4.43	5.52	4.67	2.94	1.17			22.69
Open Water Deep	0.92	1.01	1.63	2.29	2.88	3.95	5.27	5.36	3.34	2.29	1.35	0.91	31.20
St Dev	0.24	0.22	0.22	0.29	0.56	0.81	0.74	0.63	0.55	0.42	0.33	0.21	3.10
Net Evap	0.24	0.17	0.33	0.66	1.28	2.77	4.55	4.55	2.32	1.00	0.47	0.14	18.48
Open Water Shallow	0.87	1.37	2.81	3.93	5.20	5.90	6.60	5.83	4.33	2.59	1.28	0.77	41.48
St Dev	0.14	0.14	0.23	0.30	0.37	0.50	0.27	0.19	0.28	0.23	0.18	0.12	1.35
Net Evap	0.19	0.53	1.50	2.30	3.59	4.72	5.89	5.02	3.32	1.31	0.40		28.77
Wetlands Large					0.49	5.35	9.69	8.59	6.07	3.31	0.32		33.81
St Dev					0.26	0.91	0.65	0.41	0.52	0.35	0.59		2.14
Net ET						4.41	9.12	7.94	5.25	2.28			28.99
Wetlands Narrow					0.58	7.36	13.83	12.27	8.67	4.73	0.45		47.88
St Dev					0.32	1.31	0.94	0.59	0.74	0.50	0.84		3.03
Net ET						6.42	13.26	11.62	7.85	3.70			42.84
ETr	1.14	1.71	3.62	5.27	6.93	8.27	9.37	8.18	5.78	3.38	1.67	1.02	56.34
St Dev	0.21	0.23	0.31	0.42	0.62	0.86	0.56	0.39	0.49	0.43	0.32	0.20	2.83

All values are 11 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Nephi

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2007-2010, Lat: 39.69, Long: -111.88, Elev: 5002 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.79	32.34	40.11	45.23	52.98	63.03	72.62	69.72	61.48	47.75	36.68	25.28	47.33
St Dev	5.98	1.01	1.43	1.66	5.52	2.32	1.51	2.27	1.38	3.29	2.10	6.99	0.52
Precip (in)	0.14	0.34	0.29	0.51	1.06	1.05	0.20	0.33	0.09	0.47	0.24	1.00	5.72
St Dev	0.22	0.36	0.25	0.51	0.65	1.01	0.34	0.41	0.16	0.60	0.28	1.12	3.77
Aridity Adj. (F)													
Est. Dewpoint (F)	15.14	11.51	9.70	15.86	26.17	34.94	42.14	39.92	32.57	28.94	18.71	18.51	24.51
Rs (langley/day)	218	268	381	474	559	632	632	559	468	299	224	153	406
Wind (mpd)	100	91	121	131	113	110	97	106	94	87	87	81	101
Calc. Wind Limit (mpd)	96	96	109	123	104	103	96	108	96	96	96	96	102
	.....Inches.....												
Alfalfa (Beef)				1.29	6.27	6.69	8.01	7.73	4.05	0.20			34.24
St Dev				0.31	1.34	1.14	0.66	0.17	1.07	0.25			2.18
Net Irr				0.88	5.42	5.85	7.85	7.47	3.98				31.45
Alfalfa (Dairy)				1.29	5.95	6.79	7.45	6.60	3.97	0.54			32.58
St Dev				0.31	1.04	1.20	0.18	0.28	0.94	0.85			1.47
Net Irr				0.88	5.09	5.95	7.29	6.34	3.90	0.16			29.61
Apples / Cherries					3.08	7.97	10.32	9.26	6.59	0.88			38.10
St Dev					0.52	1.34	0.18	0.29	0.41	1.26			1.94
Net Irr					2.23	7.13	10.17	9.00	6.52	0.50			35.54
Barley				0.53	3.95	8.68	6.33	0.05					19.54
St Dev				0.10	1.33	1.50	1.54	0.08					1.42
Net Irr				0.12	3.10	7.84	6.17						17.23
Corn					1.16	4.10	9.39	7.44	1.93				24.02
St Dev					0.30	1.58	0.50	0.78	1.31				0.26
Net Irr					0.31	3.26	9.23	7.18	1.86				21.84
Melon					1.23	4.85	6.45	5.79	2.30				20.62
St Dev					0.29	0.89	0.11	0.18	1.20				1.68
Net Irr					0.38	4.01	6.29	5.53	2.23				18.44
Onion					2.72	5.73	9.81	8.58	2.37				29.21
St Dev					0.47	0.95	0.17	0.12	1.40				2.20
Net Irr					1.87	4.89	9.65	8.32	2.30				27.02
Other Hay				1.28	6.59	8.79	5.83	3.15	1.65	0.07			27.37
St Dev				0.28	1.12	1.45	0.17	0.10	0.09	0.07			2.60
Net Irr				0.87	5.74	7.95	5.68	2.89	1.58				24.71
Other Orchard					2.88	7.58	9.53	8.55	6.03	0.79			35.36
St Dev					0.49	1.28	0.17	0.27	0.37	1.14			1.82
Net Irr					2.03	6.74	9.37	8.29	5.96	0.41			32.80
Pasture				0.79	4.20	5.87	6.75	6.05	4.11	0.59			28.36
St Dev				0.16	0.71	0.97	0.12	0.19	0.47	0.91			1.66
Net Irr				0.38	3.35	5.03	6.59	5.79	4.03	0.21			25.39
Potato					1.25	4.40	7.63	5.86	1.58				20.71
St Dev					0.27	1.19	0.16	0.54	1.35				0.44
Net Irr					0.40	3.56	7.47	5.60	1.50				18.52
Safflower					3.06	8.61	9.93	8.52	3.94	0.28			34.34
St Dev					0.69	1.42	0.18	0.50	0.93	0.42			2.16
Net Irr					2.21	7.77	9.77	8.26	3.87				31.88
Sorghum					1.43	5.11	8.83	8.02	2.33				25.71
St Dev					0.34	0.96	0.17	0.25	0.27				1.11
Net Irr					0.57	4.27	8.67	7.75	2.26				23.52

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Nephi

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2007-2010, Lat: 39.69, Long: -111.88, Elev: 5002 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.52	3.67	8.57	7.70	0.38					20.85
St Dev				0.10	1.23	1.53	1.24	0.45					1.28
Net Irr				0.11	2.82	7.73	7.54	0.12					18.33
Winter Wheat				0.64	2.90	8.16	6.71	0.18					18.59
St Dev				0.12	0.90	1.59	1.32	0.22					1.33
Net Irr				0.23	2.05	7.32	6.55						16.15
Garden					1.49	3.39	6.76	7.10	1.75				20.48
St Dev					0.26	0.56	0.09	0.23	0.77				1.09
Net Irr					0.64	2.55	6.60	6.83	1.67				18.29
Small Fruit					1.23	5.07	9.47	8.42	2.99				27.18
St Dev					0.20	0.86	0.15	0.13	1.60				1.88
Net Irr					0.38	4.23	9.32	8.16	2.92				25.00
Turfgrass				1.15	3.57	5.15	5.96	5.34	3.96	0.64			25.76
St Dev				0.21	0.61	0.85	0.11	0.17	0.26	0.93			1.38
Net Irr				0.74	2.71	4.31	5.80	5.08	3.88	0.26			22.79
Turfgrass Dixie				1.28	3.62	5.33	6.45	5.79	4.29	0.69			27.44
St Dev				0.23	0.63	0.89	0.11	0.18	0.28	1.01			1.48
Net Irr				0.87	2.77	4.49	6.29	5.53	4.21	0.31			24.47
Open Water Deep	0.72	1.22	2.20	2.57	2.99	3.98	5.44	5.58	3.72	2.28	1.84	0.76	33.29
St Dev	0.22	0.51	0.76	0.97	1.09	0.99	0.29	0.48	0.33	0.14	0.39	0.08	4.42
Net Evap	0.58	0.88	1.91	2.06	1.93	2.93	5.24	5.26	3.62	1.80	1.60		27.81
Open Water Shallow	0.81	1.51	2.95	3.83	4.80	5.64	6.40	5.79	4.41	2.46	1.53	0.68	40.80
St Dev	0.09	0.23	0.44	0.44	0.66	0.78	0.02	0.17	0.33	0.08	0.27	0.03	2.05
Net Evap	0.67	1.17	2.66	3.31	3.73	4.59	6.21	5.46	4.31	1.99	1.29		35.40
Wetlands Large					0.71	6.00	10.32	9.35	6.67	0.60			33.64
St Dev					0.46	1.60	0.30	0.29	0.90	0.92			1.14
Net ET						5.16	10.16	9.09	6.60	0.22			31.22
Wetlands Narrow					0.86	8.32	14.73	13.36	9.53	0.85			47.65
St Dev					0.59	2.31	0.44	0.42	1.29	1.32			1.59
Net ET					0.01	7.48	14.57	13.10	9.45	0.47			45.08
ETr	1.10	2.13	4.43	5.76	7.21	8.63	9.93	8.91	6.60	3.64	2.59	1.00	61.92
St Dev	0.20	0.63	0.94	1.14	1.26	1.42	0.18	0.28	0.44	0.28	0.64	0.04	5.14

All values are 3 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Panguitch

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2007-2010, Lat: 37.87, Long: -112.42, Elev: 6550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.21	27.39	35.07	40.53	48.80	57.11	66.26	62.77	55.65	43.67	34.08	22.72	42.69
St Dev	2.95	2.62	2.22	2.02	3.44	1.30	0.97	1.87	0.83	2.32	4.03	6.19	0.64
Precip (in)	0.16	0.17	0.13	0.30	0.19	0.24	0.78	0.41	0.34	0.88	0.28	0.36	4.23
St Dev	0.13	0.15	0.11	0.35	0.24	0.06	0.43	0.38	0.50	1.37	0.28	0.32	2.19
Aridity Adj. (F)													
Est. Dewpoint (F)	9.77	15.66	15.70	16.32	23.43	28.38	39.73	38.24	28.99	23.11	15.05	13.69	22.34
Rs (langley/day)	249	327	455	542	612	661	574	552	487	365	273	203	442
Wind (mpd)	126	139	170	191	162	134	107	107	119	135	128	132	137
Calc. Wind Limit (mpd)	96	96	132	132	132	128	96	96	96	96	96	96	108
	.....Inches.....												
Alfalfa (Beef)				0.75	6.04	7.43	7.98	5.57	2.22				29.98
St Dev				0.12	0.53	1.13	0.34	1.69	1.00				2.92
Net Irr				0.51	5.89	7.24	7.35	5.24	1.94				28.18
Alfalfa (Dairy)				0.75	6.04	7.00	6.66	5.88	2.31				28.64
St Dev				0.12	0.53	0.84	0.24	0.32	1.09				2.21
Net Irr				0.51	5.89	6.81	6.03	5.55	2.04				26.83
Apples / Cherries					1.72	7.25	9.25	8.31	4.07				30.60
St Dev					0.14	1.03	0.36	0.25	1.39				2.08
Net Irr					1.57	7.06	8.62	7.98	3.80				29.03
Barley				0.34	2.94	8.34	8.67	1.60					21.89
St Dev				0.05	0.65	1.16	0.19	0.64					0.95
Net Irr				0.10	2.79	8.15	8.04	1.27					20.36
Corn						1.76	5.65	7.89	3.17				18.47
St Dev						0.32	0.39	0.23	0.90				1.14
Net Irr						1.57	5.02	7.56	2.89				17.05
Melon						1.94	5.19	4.50	1.28				12.91
St Dev						0.30	0.15	1.51	1.33				2.69
Net Irr						1.75	4.56	4.17	1.00				11.49
Onion						3.82	6.05	6.80	1.52				18.19
St Dev						0.60	0.14	2.28	1.64				3.70
Net Irr						3.63	5.43	6.47	1.24				16.77
Other Hay				0.75	6.64	9.57	6.04	2.93	1.12				27.05
St Dev				0.14	0.33	1.30	0.41	0.10	0.35				1.72
Net Irr				0.51	6.49	9.38	5.42	2.60	0.85				25.25
Other Orchard					1.60	6.94	8.57	7.67	3.76				28.54
St Dev					0.13	0.99	0.34	0.23	1.28				1.94
Net Irr					1.45	6.75	7.94	7.34	3.48				26.97
Pasture				0.48	4.17	6.27	6.07	5.36	2.17				24.52
St Dev				0.08	0.21	0.85	0.24	0.22	0.88				1.64
Net Irr				0.24	4.02	6.08	5.44	5.03	1.90				22.72
Potato						1.78	5.19	6.24	2.59				15.80
St Dev						0.31	0.24	0.20	0.75				1.03
Net Irr						1.59	4.56	5.91	2.32				14.39
Safflower						5.05	8.92	7.51	1.95				23.44
St Dev						0.80	0.35	0.54	1.00				1.86
Net Irr						4.87	8.30	7.18	1.68				22.02
Sorghum						2.14	5.59	7.16	3.20				18.09
St Dev						0.32	0.13	0.21	0.96				1.17
Net Irr						1.95	4.96	6.83	2.92				16.67

All values are 4 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Panguitch

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2007-2010, Lat: 37.87, Long: -112.42, Elev: 6550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.34	2.80	8.06	8.99	2.84					23.02
St Dev				0.05	0.59	1.13	0.21	0.81					0.82
Net Irr				0.10	2.65	7.87	8.36	2.51					21.49
Winter Wheat				1.06	2.77	7.83	8.39	1.22					21.27
St Dev				0.14	0.43	1.03	0.27	0.43					0.81
Net Irr				0.83	2.62	7.64	7.76	0.89					19.74
Garden						2.08	3.59	5.74	1.63				13.04
St Dev						0.31	0.09	0.15	1.70				1.85
Net Irr						1.89	2.97	5.41	1.36				11.62
Small Fruit						1.82	5.41	7.70	1.73				16.66
St Dev						0.28	0.12	0.29	1.82				2.15
Net Irr						1.64	4.78	7.37	1.46				15.24
Turfgrass				0.77	3.76	5.43	5.36	4.79	2.35				22.46
St Dev				0.12	0.19	0.75	0.21	0.15	0.81				1.42
Net Irr				0.53	3.61	5.24	4.73	4.46	2.08				20.65
Turfgrass Dixie				0.85	3.94	5.49	5.80	5.19	2.55				23.82
St Dev				0.13	0.21	0.77	0.23	0.16	0.87				1.52
Net Irr				0.61	3.79	5.30	5.18	4.86	2.27				22.01
Open Water Deep	0.76	1.04	1.97	2.42	3.39	4.18	4.32	4.02	3.34	2.52	1.90	0.94	30.79
St Dev	0.15	0.26	0.36	0.22	0.31	0.65	0.32	0.20	0.16	0.18	0.27	0.20	1.66
Net Evap	0.60	0.87	1.83	2.13	3.20	3.94	3.54	3.60	3.00	1.65	1.62	0.58	26.56
Open Water Shallow	0.95	1.58	3.09	3.99	5.09	5.66	5.62	5.27	4.29	2.81	1.72	0.91	40.97
St Dev	0.07	0.15	0.15	0.27	0.16	0.67	0.15	0.14	0.27	0.16	0.19	0.09	0.83
Net Evap	0.79	1.41	2.96	3.69	4.90	5.43	4.83	4.85	3.95	1.93	1.44	0.55	36.74
Wetlands Large						2.47	7.72	8.39	3.73				22.30
St Dev						0.41	0.20	0.25	1.12				1.45
Net ET						2.28	7.09	8.06	3.46				20.88
Wetlands Narrow						3.17	10.88	11.98	5.33				31.36
St Dev						0.53	0.28	0.36	1.60				2.07
Net ET						2.98	10.25	11.65	5.05				29.94
ETr	1.40	2.14	4.52	6.05	7.87	9.22	8.93	7.99	6.80	4.44	3.01	1.36	63.73
St Dev	0.14	0.31	0.60	0.48	0.43	1.26	0.35	0.24	0.50	0.42	0.54	0.10	2.57

All values are 4 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Parowan

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2005-2010, Lat: 37.86, Long: -112.88, Elev: 5770 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.54	30.91	37.63	44.04	52.30	60.30	69.27	65.92	57.97	46.67	36.62	26.67	46.07
St Dev	7.60	2.06	2.37	1.69	3.33	1.95	1.12	1.01	1.57	2.07	2.39	4.34	0.83
Precip (in)	2.10	2.41	2.24	2.53	2.88	4.31	5.60	3.05	1.41	3.34	1.29	3.03	34.19
St Dev	0.89	1.51	1.36	1.19	2.41	7.38	4.39	4.00	1.78	3.25	1.68	2.96	16.01
Aridity Adj. (F)													
Est. Dewpoint (F)	14.83	18.49	18.64	20.74	27.17	31.05	42.11	40.37	30.67	27.27	17.14	15.56	25.34
Rs (langley/day)	191	271	398	503	601	658	586	555	472	332	235	155	413
Wind (mpd)	82	83	119	155	130	128	95	106	109	105	93	79	107
Calc. Wind Limit (mpd)	96	96	119	132	131	131	96	104	108	99	96	96	109
	.....Inches.....												
Alfalfa (Beef)				2.36	7.00	7.06	7.03	7.20	3.53	0.60			34.79
St Dev				0.34	0.64	0.83	0.52	0.55	0.93	1.23			2.49
Net Irr				0.34	4.69	3.61	2.55	4.76	2.41				18.36
Alfalfa (Dairy)				2.36	6.66	7.24	6.64	6.07	3.53	0.64			33.15
St Dev				0.34	0.44	0.93	0.14	0.49	1.24	1.01			2.40
Net Irr				0.34	4.36	3.79	2.16	3.63	2.41				16.68
Apples / Cherries					3.48	8.61	9.22	8.50	6.51	1.47			37.79
St Dev					0.22	1.04	0.32	0.68	0.37	1.33			1.81
Net Irr					1.18	5.16	4.74	6.06	5.38				22.51
Barley				0.91	4.60	9.37	6.49	0.12					21.49
St Dev				0.12	0.81	1.10	1.23	0.17					1.00
Net Irr					2.30	5.91	2.01						10.22
Corn					1.01	3.64	8.07	7.40	3.45	0.10			23.68
St Dev					0.08	0.81	0.34	0.74	0.96	0.16			0.60
Net Irr						0.19	3.59	4.96	2.33				11.07
Melon					1.01	4.78	5.76	5.31	2.19				19.05
St Dev					0.07	0.59	0.20	0.42	1.19				1.34
Net Irr						1.33	1.28	2.87	1.06				6.54
Onion					2.31	5.51	8.55	7.90	2.32				26.59
St Dev					0.17	0.65	0.28	0.69	1.41				1.93
Net Irr						2.06	4.07	5.46	1.19				12.78
Other Hay				2.55	7.69	8.74	4.04	2.64	1.32				26.98
St Dev				0.40	0.49	1.04	0.19	0.22	0.07				1.19
Net Irr				0.53	5.38	5.29		0.20	0.19				11.59
Other Orchard					3.25	8.18	8.51	7.84	5.95	1.33			35.07
St Dev					0.21	0.99	0.30	0.63	0.34	1.21			1.67
Net Irr					0.95	4.73	4.03	5.40	4.83				19.94
Pasture				1.55	4.98	6.28	6.03	5.55	4.13	0.98			29.50
St Dev				0.24	0.31	0.74	0.21	0.44	0.33	0.98			1.61
Net Irr					2.67	2.83	1.55	3.11	3.01				13.17
Potato					1.01	3.80	6.69	5.87	3.39	0.40			21.15
St Dev					0.07	0.64	0.24	0.53	0.88	0.69			1.10
Net Irr						0.35	2.21	3.43	2.27				8.25
Safflower					2.32	9.15	8.86	7.95	4.31	0.55			33.15
St Dev					0.17	1.09	0.31	0.70	0.75	0.51			1.92
Net Irr					0.02	5.70	4.38	5.51	3.19				18.79
Sorghum					1.26	4.77	7.77	7.35	3.07				24.22
St Dev					0.09	0.59	0.26	0.59	0.19				0.75
Net Irr						1.32	3.29	4.91	1.95				11.46

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Parowan

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2005-2010, Lat: 37.86, Long: -112.88, Elev: 5770 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.90	4.35	9.27	7.38	0.58					22.48
St Dev				0.12	0.75	1.10	0.97	0.43					0.91
Net Irr					2.04	5.82	2.90						10.76
Winter Wheat			0.61	1.65	4.75	9.31	5.11	0.11					21.54
St Dev			0.10	0.19	1.05	1.12	1.33	0.13					1.20
Net Irr					2.44	5.86	0.63						8.93
Garden					1.26	3.26	5.57	6.66	1.94				18.70
St Dev					0.09	0.39	0.15	0.54	0.94				1.05
Net Irr							1.09	4.22	0.81				6.13
Small Fruit					0.95	4.65	8.12	7.80	2.86				24.38
St Dev					0.07	0.57	0.24	0.63	1.59				1.85
Net Irr						1.20	3.64	5.36	1.74				11.93
Turfgrass				1.88	4.11	5.54	5.32	4.90	3.93	1.08			26.76
St Dev				0.25	0.26	0.66	0.19	0.39	0.23	1.01			1.41
Net Irr					1.81	2.09	0.84	2.46	2.81				10.00
Turfgrass Dixie				2.08	3.99	5.94	5.76	5.31	4.26	1.17			28.51
St Dev				0.28	0.25	0.71	0.20	0.42	0.25	1.09			1.55
Net Irr				0.06	1.68	2.48	1.28	2.87	3.13				11.50
Open Water Deep	0.79	0.91	1.74	2.38	3.29	4.59	4.46	4.62	3.56	2.53	1.84	0.96	31.68
St Dev	0.26	0.21	0.31	0.36	0.36	0.61	0.34	0.50	0.30	0.19	0.19	0.19	1.56
Net Evap					0.41	0.27		1.57	2.15		0.56		4.96
Open Water Shallow	0.93	1.43	2.84	3.91	5.15	5.83	5.82	5.49	4.32	2.72	1.65	0.87	40.96
St Dev	0.19	0.14	0.24	0.38	0.28	0.61	0.24	0.37	0.31	0.35	0.21	0.11	1.03
Net Evap			0.60	1.37	2.27	1.52	0.22	2.44	2.92		0.37		11.69
Wetlands Large					0.96	6.75	9.26	8.58	5.99	0.98			32.52
St Dev					0.31	1.07	0.33	0.69	1.35	1.66			2.74
Net ET						3.30	4.78	6.14	4.87				19.09
Wetlands Narrow					1.16	9.40	13.23	12.26	8.56	1.40			46.01
St Dev					0.40	1.55	0.47	0.98	1.93	2.37			3.93
Net ET						5.95	8.75	9.82	7.44				31.95
ETr	1.41	1.95	4.05	5.75	7.67	9.24	8.86	8.17	6.55	4.07	2.78	1.46	61.97
St Dev	0.30	0.34	0.48	0.59	0.50	1.09	0.31	0.65	0.39	0.42	0.33	0.24	2.22

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Randolph Pump

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1999-2010, Lat: 41.83, Long: -111.09, Elev: 6264 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	17.02	15.71	27.80	38.48	47.19	55.39	64.48	61.77	52.11	41.17	28.10	16.67	38.83
St Dev	5.10	5.75	3.65	3.01	2.34	1.58	1.63	1.79	2.19	2.18	4.69	4.35	1.07
Precip (in)	0.37	0.35	0.39	0.81	1.07	0.70	0.34	0.56	0.56	0.60	0.43	0.36	6.52
St Dev	0.35	0.34	0.19	0.86	0.71	0.74	0.30	0.36	0.41	0.37	0.26	0.42	1.97
Aridity Adj. (F)													
Est. Dewpoint (F)	11.96	9.47	17.25	21.22	27.35	32.13	35.25	34.23	27.35	22.32	17.29	11.17	22.25
Rs (langleys/day)	190	285	404	486	573	637	661	554	455	310	199	153	409
Wind (mpd)	87	89	118	141	134	123	110	106	103	105	95	88	108
Calc. Wind Limit (mpd)	96	96	119	132	132	118	106	96	96	96	96	96	107
	.....Inches.....												
Alfalfa (Beef)				0.05	4.42	6.87	8.05	4.72	0.94				25.05
St Dev				0.05	0.64	0.72	0.70	1.21	0.81				2.63
Net Irr					3.57	6.31	7.78	4.27	0.49				22.42
Alfalfa (Dairy)				0.05	4.42	6.08	7.12	5.19	0.71				23.58
St Dev				0.05	0.64	0.63	0.52	1.47	0.66				2.36
Net Irr					3.57	5.52	6.85	4.75	0.26				20.96
Apples / Cherries					1.60	6.20	9.81	8.29	3.64	0.09			29.63
St Dev					0.20	0.69	0.68	0.62	1.42	0.27			2.35
Net Irr					0.75	5.64	9.54	7.85	3.19				26.97
Barley				0.04	1.93	6.42	9.62	3.17					21.19
St Dev				0.02	0.38	0.94	0.75	1.24					1.47
Net Irr					1.08	5.87	9.35	2.72					19.02
Corn					0.24	1.82	6.18	7.06	1.06				16.37
St Dev					0.20	0.37	1.17	1.73	0.92				2.97
Net Irr						1.26	5.91	6.62	0.61				14.40
Melon					0.21	2.53	5.99	4.17	0.37				13.26
St Dev					0.18	0.55	0.42	1.39	0.47				2.30
Net Irr						1.97	5.72	3.72					11.41
Onion					0.91	4.07	8.30	5.97	0.34				19.59
St Dev					0.15	0.46	0.62	2.12	0.45				2.87
Net Irr					0.06	3.51	8.03	5.53					17.12
Other Hay				0.05	4.83	8.15	7.49	3.10	1.08	0.02			24.72
St Dev				0.05	0.59	0.92	0.53	0.24	0.39	0.06			1.66
Net Irr					3.98	7.60	7.22	2.65	0.62				22.08
Other Orchard					1.49	5.94	9.09	7.66	3.36	0.08			27.61
St Dev					0.18	0.67	0.63	0.57	1.31	0.25			2.19
Net Irr					0.64	5.38	8.82	7.21	2.91				24.96
Pasture				0.05	3.07	5.29	6.44	5.37	2.01	0.05			22.29
St Dev				0.03	0.33	0.60	0.45	0.40	0.88	0.14			1.70
Net Irr					2.22	4.74	6.17	4.92	1.56				19.61
Potato					0.38	2.05	6.03	5.62	0.84				14.92
St Dev					0.13	0.36	0.59	1.38	0.72				2.12
Net Irr						1.50	5.76	5.17	0.39				12.82
Safflower					0.27	6.25	9.47	7.37	1.78	0.03			25.17
St Dev					0.24	1.11	0.66	0.68	0.93	0.09			2.27
Net Irr						5.69	9.20	6.92	1.33				23.15
Sorghum					0.30	2.54	7.11	6.47	1.03				17.46
St Dev					0.26	0.49	0.66	1.60	0.88				2.88
Net Irr						1.98	6.84	6.03	0.58				15.43

All values are 10 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Randolph Pump

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1999-2010, Lat: 41.83, Long: -111.09, Elev: 6264 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.04	1.85	6.14	9.71	4.37	0.10				22.22
St Dev				0.02	0.35	0.92	0.70	1.26	0.17				1.61
Net Irr					1.00	5.59	9.44	3.93					19.96
Winter Wheat				0.81	2.12	6.11	9.40	2.32	0.02				20.78
St Dev				0.10	0.38	1.10	0.78	1.11	0.04				1.34
Net Irr				0.17	1.26	5.55	9.13	1.88					17.99
Garden					0.55	2.32	4.99	5.31	0.45				13.62
St Dev					0.09	0.26	0.39	1.47	0.57				2.18
Net Irr						1.77	4.72	4.86					11.35
Small Fruit					0.30	2.64	7.45	6.43	0.47				17.29
St Dev					0.11	0.36	0.58	1.68	0.61				2.59
Net Irr						2.09	7.18	5.98	0.02				15.27
Turfgrass				0.10	3.02	4.52	5.68	4.78	2.10	0.05			20.27
St Dev				0.05	0.33	0.51	0.39	0.36	0.82	0.17			1.54
Net Irr					2.17	3.96	5.41	4.34	1.65				17.54
Turfgrass Dixie				0.11	3.26	4.45	6.16	5.18	2.28	0.06			21.49
St Dev				0.06	0.35	0.50	0.43	0.39	0.89	0.19			1.64
Net Irr					2.41	3.89	5.89	4.74	1.83				18.75
Open Water Deep	0.57	0.45	0.91	1.75	2.62	3.30	4.49	4.11	2.70	2.09	1.14	0.57	24.70
St Dev	0.21	0.14	0.27	0.29	0.40	0.56	0.70	0.60	0.66	0.39	0.41	0.17	2.85
Net Evap	0.20	0.10	0.52	0.94	1.56	2.60	4.15	3.56	2.13	1.49	0.72	0.21	18.19
Open Water Shallow	0.63	0.90	2.15	3.35	4.56	5.25	6.15	5.23	3.78	2.30	1.04	0.52	35.87
St Dev	0.10	0.09	0.11	0.25	0.37	0.41	0.19	0.15	0.31	0.22	0.20	0.09	0.63
Net Evap	0.26	0.56	1.76	2.54	3.50	4.56	5.81	4.68	3.22	1.70	0.61	0.16	29.35
Wetlands Large						2.32	8.22	7.56	1.20				19.30
St Dev						0.95	0.96	1.87	1.03				3.52
Net ET						1.77	7.95	7.11	0.75				17.58
Wetlands Narrow						2.99	11.61	10.79	1.72				27.11
St Dev						1.28	1.43	2.67	1.47				5.04
Net ET						2.43	11.34	10.35	1.27				25.39
ETr	0.83	1.07	2.59	4.60	6.53	7.83	9.47	7.97	5.72	3.58	1.61	0.76	52.58
St Dev	0.18	0.16	0.30	0.52	0.70	0.88	0.66	0.59	0.86	0.61	0.56	0.21	2.74

All values are 10 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Snowville West

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 41.98, Long: -112.91, Elev: 4443 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.14	26.74	36.27	43.77	52.72	62.46	71.71	68.11	58.31	45.45	34.00	22.31	45.17
St Dev	3.78	3.16	2.57	2.98	2.80	1.73	2.22	1.43	2.57	2.37	2.76	4.17	1.05
Precip (in)	0.72	0.35	0.38	0.73	1.59	0.85	0.52	0.69	0.51	0.63	0.42	0.57	7.96
St Dev	0.54	0.15	0.44	0.38	1.03	0.74	0.49	0.78	0.47	0.41	0.37	0.66	3.28
Aridity Adj. (F)													
Est. Dewpoint (F)	12.92	17.59	20.61	21.51	28.03	35.31	38.59	35.62	29.79	26.83	19.31	14.14	25.02
Rs (langley/day)	199	290	365	482	565	597	621	569	464	319	215	150	403
Wind (mpd)	93	99	145	166	136	136	119	129	112	123	106	101	122
Calc. Wind Limit (mpd)	96	96	116	132	116	111	109	111	96	96	96	96	106
	.....Inches.....												
Alfalfa (Beef)				1.66	6.38	6.69	8.55	8.54	2.75	0.03			34.59
St Dev				0.18	0.84	1.04	0.95	0.31	1.66	0.06			2.08
Net Irr				1.07	5.11	6.01	8.13	7.99	2.34				30.65
Alfalfa (Dairy)				1.66	6.16	6.82	7.97	7.16	2.72	0.02			32.51
St Dev				0.18	0.69	0.96	0.40	0.38	1.12	0.05			1.97
Net Irr				1.07	4.89	6.14	7.55	6.61	2.31				28.57
Apples / Cherries				0.01	4.21	8.62	11.11	10.17	6.40	0.94			41.45
St Dev				0.03	0.40	1.26	0.62	0.28	0.78	0.77			2.08
Net Irr					2.94	7.93	10.69	9.62	5.99	0.43			37.61
Barley				0.78	4.14	8.85	6.94	0.04					20.75
St Dev				0.06	0.89	1.33	1.66	0.08					1.09
Net Irr				0.20	2.87	8.17	6.52						17.76
Corn					0.85	3.39	9.58	8.70	2.45	0.01			24.97
St Dev					0.27	1.30	0.85	0.79	1.42	0.01			1.72
Net Irr						2.71	9.16	8.15	2.03				22.06
Melon					0.82	4.37	6.95	5.79	0.70				18.62
St Dev					0.31	0.94	0.39	1.36	0.72				2.97
Net Irr						3.69	6.53	5.24	0.29				15.74
Onion					2.89	6.08	10.60	7.94	0.62				28.13
St Dev					0.47	1.09	0.58	2.13	0.67				4.01
Net Irr					1.63	5.40	10.18	7.39	0.21				24.80
Other Hay				1.71	6.88	8.58	5.59	3.34	1.57	0.07			27.74
St Dev				0.17	0.73	1.17	0.47	0.15	0.23	0.05			1.67
Net Irr				1.12	5.61	7.89	5.17	2.79	1.16				23.75
Other Orchard				0.01	3.96	8.10	10.26	9.39	5.82	0.84			38.37
St Dev				0.03	0.37	1.19	0.57	0.26	0.70	0.70			1.92
Net Irr					2.69	7.42	9.84	8.84	5.41	0.34			34.52
Pasture				1.42	4.62	5.91	7.27	6.64	4.15	0.58			30.59
St Dev				0.15	0.45	0.86	0.40	0.19	0.53	0.50			1.53
Net Irr				0.84	3.35	5.23	6.85	6.09	3.74	0.07			26.17
Potato					1.07	4.27	8.20	6.63	1.83				21.99
St Dev					0.29	1.10	0.46	0.45	1.18				1.27
Net Irr						3.58	7.78	6.08	1.42				18.85
Safflower					1.70	8.52	10.69	9.51	4.30	0.39			35.11
St Dev					0.89	1.34	0.59	0.43	0.75	0.35			2.26
Net Irr					0.44	7.84	10.27	8.96	3.89				31.39
Sorghum					1.05	4.34	9.23	8.80	3.08				26.50
St Dev					0.33	1.09	0.53	0.24	1.14				1.98
Net Irr						3.66	8.81	8.25	2.66				23.38

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Snowville West

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2006-2010, Lat: 41.98, Long: -112.91, Elev: 4443 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.77	3.89	8.76	8.24	0.42					22.09
St Dev				0.06	0.81	1.32	1.39	0.40					1.21
Net Irr				0.19	2.62	8.08	7.82						18.71
Winter Wheat			0.55	1.58	4.38	8.71	5.19	0.07					20.48
St Dev			0.15	0.09	1.41	1.25	2.38	0.10					1.12
Net Irr			0.25	1.00	3.11	8.03	4.77						17.16
Garden					1.57	3.58	7.47	7.03	0.57				20.22
St Dev					0.26	0.63	0.44	1.55	0.54				2.78
Net Irr					0.30	2.90	7.06	6.48	0.16				16.89
Small Fruit					1.03	4.81	9.96	8.30	0.89				24.98
St Dev					0.35	1.15	0.63	1.98	0.92				4.15
Net Irr						4.13	9.54	7.75	0.48				21.89
Turfgrass				1.76	3.81	5.22	6.41	5.87	3.99	0.70			27.75
St Dev				0.19	0.36	0.76	0.36	0.16	0.51	0.58			1.34
Net Irr				1.18	2.54	4.53	5.99	5.32	3.58	0.19			23.33
Turfgrass Dixie				1.95	3.71	5.58	6.95	6.36	4.32	0.76			29.62
St Dev				0.21	0.35	0.82	0.39	0.18	0.55	0.63			1.47
Net Irr				1.37	2.44	4.89	6.53	5.80	3.91	0.25			25.20
Open Water Deep	0.64	0.74	1.48	2.35	3.12	4.42	6.42	6.52	3.69	2.46	1.53	0.77	34.14
St Dev	0.09	0.10	0.08	0.35	0.35	0.93	0.73	0.42	0.61	0.43	0.26	0.13	2.27
Net Evap		0.39	1.10	1.62	1.53	3.57	5.90	5.84	3.18	1.83	1.11	0.20	26.25
Open Water Shallow	0.72	1.23	2.45	3.70	4.85	5.45	6.43	5.92	4.23	2.49	1.29	0.63	39.38
St Dev	0.10	0.09	0.17	0.09	0.42	0.66	0.23	0.13	0.40	0.19	0.19	0.07	1.19
Net Evap		0.88	2.07	2.97	3.26	4.59	5.90	5.23	3.71	1.86	0.87	0.06	31.42
Wetlands Large					0.28	5.14	10.78	10.27	4.97	0.03			31.46
St Dev					0.35	1.58	0.59	0.29	2.21	0.06			3.49
Net ET						4.45	10.36	9.72	4.56				29.09
Wetlands Narrow					0.33	7.00	15.38	14.67	7.10	0.04			44.51
St Dev					0.43	2.31	0.85	0.41	3.16	0.09			4.98
Net ET						6.31	14.96	14.12	6.69				42.08
ETr	0.99	1.54	3.34	5.46	7.20	8.69	10.69	9.78	6.65	3.81	2.09	0.97	61.19
St Dev	0.14	0.18	0.21	0.34	0.69	1.27	0.59	0.27	0.84	0.49	0.42	0.15	2.47

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Southgate Golf Course

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2005-2010, Lat: 37.07, Long: -113.59, Elev: 2559 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	41.72	46.84	53.02	59.78	69.94	78.38	86.65	83.49	75.81	62.52	50.80	40.20	62.43
St Dev	3.27	1.16	2.27	1.73	3.31	2.23	0.77	1.15	1.96	2.10	1.24	2.52	0.42
Precip (in)	0.58	0.83	0.50	0.27	0.38	0.47	0.77	0.60	0.30	0.28	0.28	0.76	6.03
St Dev	0.73	0.96	0.52	0.25	0.35	0.51	0.70	0.35	0.23	0.41	0.33	0.79	3.56
Aridity Adj. (F)													
Est. Dewpoint (F)	24.53	27.04	26.41	28.64	34.23	38.81	49.91	48.69	39.44	34.93	26.78	24.86	33.69
Rs (langley/day)	246	319	422	527	648	683	649	583	489	364	273	206	451
Wind (mpd)	41	39	55	65	63	60	55	50	46	45	42	40	50
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)			1.68	5.27	7.27	7.08	7.64	7.44	4.93	2.98	1.62	0.01	45.92
St Dev			0.29	0.41	0.70	0.55	0.48	0.34	0.49	0.28	0.26	0.03	1.21
Net Irr			1.28	5.05	6.97	6.70	7.02	6.97	4.69	2.75	1.40		42.82
Alfalfa (Dairy)			1.68	4.71	6.32	7.13	7.39	6.30	4.82	3.07	1.05	0.01	42.49
St Dev			0.29	0.30	0.34	0.48	0.31	0.24	0.12	0.31	0.59	0.03	1.57
Net Irr			1.28	4.49	6.02	6.75	6.77	5.83	4.58	2.84	0.83		39.40
Apples / Cherries			0.86	4.62	8.68	9.77	10.04	7.33	4.24	0.12			45.66
St Dev			0.24	0.41	0.49	0.67	0.42	0.35	0.19	0.20			1.24
Net Irr			0.46	4.40	8.38	9.39	9.42	6.86	4.00				42.91
Barley			0.96	5.16	8.01	1.35							15.47
St Dev			0.24	0.57	0.36	0.89							0.90
Net Irr			0.56	4.94	7.71	0.97							14.18
Corn				0.73	4.20	9.07	5.54						19.55
St Dev				0.14	0.79	0.62	0.91						0.78
Net Irr				0.51	3.90	8.70	4.93						18.03
Melon				0.70	4.12	6.11	6.32	5.29	0.31				22.85
St Dev				0.18	0.46	0.42	0.26	0.26	0.28				0.72
Net Irr				0.49	3.81	5.73	5.70	4.82	0.07				20.62
Onion			0.01	2.62	5.91	9.35	9.60	4.26					31.74
St Dev			0.02	0.35	0.58	0.64	0.42	0.73					0.91
Net Irr				2.40	5.61	8.97	8.98	3.78					29.74
Other Hay			1.60	6.00	8.25	4.65	3.28	1.86	0.05				25.69
St Dev			0.25	0.47	0.44	0.49	0.20	0.17	0.09				0.99
Net Irr			1.20	5.78	7.94	4.28	2.66	1.39					23.25
Other Orchard			0.81	4.40	8.07	9.02	9.25	6.61	4.14	0.12			42.42
St Dev			0.21	0.40	0.44	0.62	0.39	0.32	0.15	0.20			1.15
Net Irr			0.41	4.18	7.76	8.64	8.64	6.13	3.90				39.67
Pasture			1.49	4.07	5.73	6.39	6.61	5.64	4.24	2.66	1.28	0.03	38.14
St Dev			0.18	0.29	0.30	0.44	0.27	0.19	0.10	0.23	0.11	0.03	0.91
Net Irr			1.09	3.85	5.42	6.01	5.99	5.16	4.00	2.44	1.06		35.03
Potato				1.01	5.18	7.02	2.93						16.13
St Dev				0.22	0.66	0.50	0.72						0.62
Net Irr				0.79	4.87	6.64	2.31						14.61
Safflower				1.51	8.23	9.40	9.67	6.58	1.85				37.24
St Dev				0.56	0.49	0.64	0.41	0.39	0.34				1.13
Net Irr				1.29	7.93	9.02	9.05	6.10	1.61				35.00
Sorghum				0.91	4.07	8.17	8.75	4.29					26.19
St Dev				0.18	0.58	0.61	0.36	0.73					0.73
Net Irr				0.69	3.77	7.79	8.13	3.82					24.19

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Southgate Golf Course

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2005-2010, Lat: 37.07, Long: -113.59, Elev: 2559 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.92	4.97	8.35	2.33							16.56
St Dev			0.23	0.58	0.27	1.09							0.85
Net Irr			0.52	4.75	8.04	1.95							15.26
Winter Wheat		0.35	1.93	5.94	6.03	0.31							14.56
St Dev		0.07	0.38	0.44	0.81	0.23							0.86
Net Irr			1.53	5.72	5.73								12.98
Garden			0.01	1.43	3.49	6.73	7.56	2.55					21.77
St Dev			0.02	0.20	0.34	0.56	0.41	0.50					0.62
Net Irr				1.21	3.19	6.35	6.95	2.07					19.77
Small Fruit				0.91	4.57	8.85	9.42	6.43	0.03				30.21
St Dev				0.20	0.58	0.66	0.41	0.66	0.07				0.94
Net Irr				0.69	4.27	8.47	8.80	5.96					28.18
Turfgrass			1.68	3.39	5.05	5.64	5.83	4.98	3.75	2.34	1.10	0.12	33.88
St Dev			0.16	0.25	0.27	0.39	0.24	0.17	0.08	0.21	0.07	0.16	0.88
Net Irr			1.28	3.17	4.75	5.26	5.21	4.50	3.51	2.11	0.88		30.67
Turfgrass Dixie			1.85	3.28	5.44	6.11	6.32	5.39	4.06	2.66	1.57	0.18	36.86
St Dev			0.18	0.24	0.30	0.42	0.26	0.18	0.09	0.22	0.12	0.24	1.01
Net Irr			1.45	3.07	5.13	5.73	5.70	4.92	3.82	2.43	1.35		33.60
Open Water Deep	1.06	1.05	1.86	2.55	3.88	5.00	5.82	5.10	3.68	2.55	1.64	0.94	35.15
St Dev	0.23	0.28	0.30	0.31	0.48	0.47	0.67	0.55	0.28	0.35	0.13	0.10	2.01
Net Evap	0.48	0.22	1.36	2.28	3.50	4.53	5.05	4.50	3.38	2.27	1.37	0.18	29.12
Open Water Shallow	1.59	2.12	3.61	4.73	6.31	6.70	7.09	6.47	5.12	3.47	2.13	1.30	50.63
St Dev	0.14	0.20	0.38	0.30	0.22	0.46	0.19	0.14	0.16	0.18	0.14	0.17	0.83
Net Evap	1.01	1.29	3.11	4.46	5.93	6.22	6.31	5.87	4.82	3.19	1.85	0.54	44.60
Wetlands Large				0.17	4.66	9.55	10.21	8.71	6.56	4.30	1.94	0.04	46.14
St Dev				0.12	0.55	0.70	0.42	0.30	0.15	0.35	0.33	0.10	1.48
Net ET					4.36	9.17	9.59	8.23	6.32	4.07	1.72		43.46
Wetlands Narrow				0.19	6.30	13.63	14.58	12.44	9.37	6.14	2.77	0.06	65.48
St Dev				0.14	0.81	1.00	0.59	0.43	0.21	0.50	0.46	0.14	2.11
Net ET					6.00	13.25	13.96	11.97	9.13	5.91	2.55		62.77
ETr	1.79	2.34	4.45	6.17	8.42	9.40	9.72	8.30	6.25	4.09	2.50	1.47	64.90
St Dev	0.28	0.37	0.48	0.42	0.45	0.64	0.40	0.28	0.14	0.33	0.16	0.17	1.51

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Spanish Fork

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.07, Long: -111.63, Elev: 4721 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	28.77	33.20	41.97	48.82	57.55	67.28	76.47	72.64	64.19	51.74	40.33	29.76	51.06
St Dev	5.03	2.80	3.16	2.64	3.53	2.39	1.35	1.14	1.91	2.35	2.22	4.35	0.87
Precip (in)	0.51	0.87	1.14	1.10	1.03	0.50	0.29	0.32	0.79	1.80	0.59	1.30	10.22
St Dev	0.53	0.74	1.13	0.85	1.01	0.35	0.29	0.36	0.94	1.32	0.49	1.01	6.90
Aridity Adj. (F)													
Est. Dewpoint (F)	17.16	18.23	22.78	27.31	33.76	39.06	44.00	41.96	35.55	32.97	25.16	19.90	29.82
Rs (langley/day)	169	257	369	469	557	621	654	576	471	297	192	153	399
Wind (mpd)	60	61	85	94	70	67	60	73	61	64	55	57	67
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)				2.59	5.46	6.76	6.59	6.28	4.81	1.50	0.24		34.22
St Dev				0.40	0.39	0.94	0.15	0.58	0.45	0.76	0.37		1.67
Net Irr				1.72	4.64	6.36	6.35	6.03	4.18	0.06			29.33
Alfalfa (Dairy)				2.59	4.94	5.79	6.67	6.01	4.25	2.03	0.12		32.41
St Dev				0.40	0.34	0.67	0.16	0.33	0.27	0.78	0.17		1.01
Net Irr				1.72	4.12	5.39	6.44	5.76	3.63	0.59			27.64
Apples / Cherries				1.47	5.40	8.00	9.16	8.05	4.63	1.82			38.53
St Dev				0.23	0.54	0.82	0.17	0.59	0.40	0.13			1.26
Net Irr				0.60	4.58	7.61	8.92	7.79	4.00	0.38			33.88
Barley			0.01	1.42	5.39	7.54	1.96						16.32
St Dev			0.02	0.30	0.90	0.73	1.19						0.79
Net Irr				0.54	4.57	7.15	1.73						13.99
Corn					1.03	3.96	8.47	5.35	0.39				19.20
St Dev					0.19	0.96	0.15	0.94	0.30				0.36
Net Irr					0.21	3.56	8.23	5.10					17.10
Melon					1.08	4.29	5.72	5.13	3.20				19.43
St Dev					0.20	0.49	0.10	0.36	0.43				0.67
Net Irr					0.26	3.90	5.49	4.88	2.57				17.09
Onion				0.13	3.17	6.18	8.80	7.54	1.99				27.81
St Dev				0.11	0.28	0.65	0.16	0.57	0.27				1.15
Net Irr					2.35	5.78	8.57	7.29	1.36				25.34
Other Hay				2.64	6.54	6.96	3.78	2.49	1.00				23.42
St Dev				0.36	0.57	0.84	0.23	0.21	0.15				1.36
Net Irr				1.76	5.72	6.56	3.55	2.24	0.38				20.21
Other Orchard				1.37	5.17	7.39	8.45	7.39	4.18	1.80			35.77
St Dev				0.21	0.52	0.76	0.15	0.54	0.36	0.12			1.18
Net Irr				0.49	4.35	7.00	8.22	7.14	3.56	0.36			31.12
Pasture			0.08	2.30	4.35	5.24	5.99	5.37	3.72	1.95	0.44		29.43
St Dev			0.07	0.14	0.36	0.54	0.11	0.38	0.31	0.10	0.27		0.96
Net Irr				1.43	3.53	4.84	5.75	5.11	3.09	0.51			24.27
Potato					1.46	4.82	6.62	3.61	0.02				16.53
St Dev					0.38	0.76	0.18	0.97	0.06				0.26
Net Irr					0.64	4.42	6.39	3.36					14.80
Safflower					2.68	7.67	8.81	7.77	4.02	0.68			31.62
St Dev					0.55	0.80	0.16	0.57	0.44	0.11			1.19
Net Irr					1.85	7.28	8.57	7.51	3.39				28.61
Sorghum					1.26	4.48	7.81	7.10	2.08				22.73
St Dev					0.21	0.56	0.14	0.50	0.58				0.96
Net Irr					0.44	4.08	7.58	6.85	1.45				20.40

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Spanish Fork

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2004-2010, Lat: 40.07, Long: -111.63, Elev: 4721 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.01	1.37	5.20	7.74	2.95						17.27
St Dev			0.02	0.28	0.93	0.73	1.37						0.79
Net Irr				0.49	4.38	7.35	2.72						14.93
Winter Wheat			0.81	1.94	5.71	6.62	0.94						16.01
St Dev			0.07	0.45	0.93	1.23	0.70						0.81
Net Irr				1.06	4.88	6.22	0.71						12.88
Garden				0.10	1.75	3.64	6.72	5.70	1.12				19.02
St Dev				0.08	0.15	0.38	0.17	0.45	0.17				0.75
Net Irr					0.93	3.24	6.49	5.44	0.49				16.59
Small Fruit					1.39	5.00	8.58	7.48	3.53				25.98
St Dev					0.23	0.61	0.18	0.53	0.49				0.94
Net Irr					0.57	4.60	8.35	7.23	2.90				23.65
Turfgrass			0.13	2.27	3.71	4.62	5.28	4.73	3.30	1.88	0.52		26.45
St Dev			0.11	0.16	0.31	0.48	0.10	0.33	0.27	0.11	0.29		0.82
Net Irr				1.40	2.89	4.22	5.05	4.48	2.67	0.44	0.05		21.20
Turfgrass Dixie			0.15	2.45	3.66	5.00	5.72	5.13	3.57	2.03	0.58		28.31
St Dev			0.12	0.18	0.31	0.52	0.10	0.36	0.30	0.12	0.34		0.89
Net Irr				1.58	2.84	4.61	5.49	4.88	2.95	0.60	0.11		23.04
Open Water Deep	0.80	0.85	1.54	1.85	2.33	3.29	4.23	4.54	2.85	1.94	1.26	0.79	26.26
St Dev	0.33	0.16	0.22	0.21	0.38	0.59	0.31	0.74	0.48	0.22	0.19	0.18	1.52
Net Evap	0.29		0.40	0.75	1.31	2.79	3.94	4.22	2.06	0.14	0.67		16.57
Open Water Shallow	0.90	1.40	2.76	3.73	4.87	5.62	6.53	5.88	4.37	2.52	1.34	0.80	40.72
St Dev	0.17	0.19	0.34	0.28	0.44	0.54	0.09	0.24	0.27	0.16	0.14	0.09	0.92
Net Evap	0.39	0.53	1.62	2.63	3.85	5.12	6.24	5.56	3.59	0.72	0.75		31.00
Wetlands Large					0.61	5.30	9.16	8.29	5.77	2.80	0.33		32.25
St Dev					0.26	0.76	0.18	0.58	0.48	0.78	0.52		1.34
Net ET						4.90	8.92	8.03	5.15	1.36			28.37
Wetlands Narrow					0.72	7.34	13.07	11.84	8.25	4.00	0.47		45.69
St Dev					0.33	1.10	0.26	0.83	0.68	1.12	0.74		1.89
Net ET						6.94	12.84	11.59	7.62	2.56			41.55
ETr	1.17	1.69	3.57	4.91	6.43	7.70	8.81	7.89	5.50	3.13	1.72	1.04	53.57
St Dev	0.36	0.27	0.38	0.36	0.53	0.79	0.16	0.55	0.45	0.18	0.22	0.16	1.54

All values are 6 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Sunbrook Golf Course

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2002-2008, Lat: 37.11, Long: -113.63, Elev: 2665 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	42.67	46.28	53.31	59.95	69.12	77.03	84.65	81.72	73.43	62.56	50.15	40.85	61.81
St Dev	3.78	1.88	3.42	2.04	2.48	1.71	1.66	1.54	1.55	2.41	1.75	1.54	0.71
Precip (in)	0.59	1.28	0.80	1.12	1.15	1.79	1.84	2.11	1.32	1.07	0.89	0.95	14.90
St Dev	0.86	1.05	0.42	0.56	0.88	1.39	1.47	1.14	0.92	0.81	0.64	0.66	6.52
Aridity Adj. (F)													
Est. Dewpoint (F)	25.18	25.81	27.14	29.92	33.58	37.32	48.78	48.69	39.98	35.65	28.42	24.89	33.78
Rs (langley/day)	237	304	451	567	661	701	624	560	476	343	244	194	447
Wind (mpd)	45	54	67	79	74	71	64	60	57	52	46	44	59
Calc. Wind Limit (mpd)	96	96	96	96	96	96	96	96	96	96	96	96	96
	.....Inches.....												
Alfalfa (Beef)			2.20	5.53	7.96	7.55	7.80	7.62	5.38	3.17	1.45	0.01	48.67
St Dev			0.34	0.40	0.77	0.38	0.32	0.44	0.72	0.59	0.61	0.03	1.88
Net Irr			1.56	4.63	7.04	6.12	6.33	5.93	4.33	2.32	0.74		38.98
Alfalfa (Dairy)			2.20	5.11	6.59	7.59	7.66	6.62	5.00	3.41	1.14	0.02	45.34
St Dev			0.34	0.31	0.37	0.23	0.34	0.42	0.31	0.46	0.70	0.05	1.78
Net Irr			1.56	4.21	5.68	6.16	6.19	4.93	3.94	2.56	0.43		35.66
Apples / Cherries			1.12	5.18	9.19	10.49	10.41	7.57	4.28	0.02			48.28
St Dev			0.20	0.37	0.56	0.42	0.48	0.46	0.28	0.05			2.21
Net Irr			0.48	4.29	8.27	9.06	8.94	5.88	3.22				40.15
Barley			1.27	5.92	8.28	1.22							16.69
St Dev			0.27	0.62	0.29	0.82							0.87
Net Irr			0.63	5.02	7.37								13.02
Corn				0.96	4.82	9.83	6.39	0.07					22.07
St Dev				0.20	0.89	0.47	0.97	0.12					1.06
Net Irr				0.07	3.91	8.39	4.92						17.28
Melon				0.97	4.73	6.56	6.57	5.26	0.05				24.14
St Dev				0.23	0.51	0.26	0.30	0.29	0.09				1.08
Net Irr				0.08	3.81	5.12	5.10	3.57					17.68
Onion			0.05	3.12	6.66	10.08	9.85	3.72					33.48
St Dev			0.09	0.34	0.67	0.42	0.41	0.39					1.42
Net Irr			0.09	2.22	5.75	8.64	8.38	2.03					27.01
Other Hay			2.09	6.65	8.48	4.69	3.33	1.81	0.01				27.05
St Dev			0.27	0.48	0.46	0.23	0.14	0.16	0.02				1.34
Net Irr			1.45	5.75	7.56	3.26	1.85	0.12					19.99
Other Orchard			1.04	4.96	8.52	9.69	9.59	6.82	4.21	0.02			44.85
St Dev			0.18	0.36	0.51	0.39	0.44	0.42	0.27	0.05			2.05
Net Irr			0.40	4.06	7.60	8.25	8.12	5.14	3.15				36.72
Pasture			1.81	4.46	6.04	6.86	6.87	5.92	4.39	2.87	1.17	0.01	40.41
St Dev			0.19	0.33	0.36	0.28	0.32	0.35	0.26	0.39	0.17	0.03	1.58
Net Irr			1.17	3.56	5.12	5.43	5.40	4.23	3.33	2.02	0.46		30.73
Potato				1.35	5.67	7.54	3.24						17.79
St Dev				0.33	0.73	0.24	0.71						0.72
Net Irr				0.45	4.75	6.10	1.77						13.07
Safflower				2.31	8.81	10.09	9.99	6.51	1.50				39.21
St Dev				0.69	0.57	0.41	0.44	0.30	0.25				1.72
Net Irr				1.42	7.89	8.66	8.52	4.82	0.45				31.74
Sorghum				1.18	4.84	8.91	9.10	3.62					27.65
St Dev				0.22	0.66	0.43	0.42	0.53					1.23
Net Irr				0.28	3.93	7.48	7.62	1.93					21.24

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Sunbrook Golf Course

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2002-2008, Lat: 37.11, Long: -113.63, Elev: 2665 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			1.22	5.73	8.69	2.20							17.84
St Dev			0.26	0.66	0.34	1.02							0.83
Net Irr			0.58	4.83	7.77	0.77							13.95
Winter Wheat		0.49	2.31	6.59	6.03	0.28							15.72
St Dev		0.13	0.45	0.45	0.78	0.26							0.95
Net Irr			1.67	5.69	5.12								12.48
Garden			0.04	1.71	3.93	7.48	7.62	2.16					22.95
St Dev			0.06	0.19	0.39	0.44	0.31	0.26					0.97
Net Irr				0.82	3.01	6.05	6.15	0.47					16.50
Small Fruit				1.22	5.33	9.72	9.68	5.96					31.91
St Dev				0.26	0.65	0.50	0.42	0.50					1.45
Net Irr				0.32	4.42	8.28	8.21	4.27					25.50
Turfgrass			1.97	3.73	5.33	6.05	6.07	5.22	3.88	2.51	1.03	0.06	35.85
St Dev			0.15	0.29	0.32	0.24	0.28	0.31	0.23	0.35	0.13	0.15	1.31
Net Irr			1.33	2.83	4.41	4.62	4.59	3.54	2.83	1.66	0.32		26.12
Turfgrass Dixie			2.16	3.61	5.75	6.56	6.57	5.66	4.21	2.89	1.48	0.08	38.97
St Dev			0.16	0.28	0.35	0.26	0.30	0.34	0.25	0.41	0.19	0.22	1.37
Net Irr			1.52	2.71	4.84	5.12	5.10	3.97	3.15	2.04	0.77		29.21
Open Water Deep	1.18	1.41	2.09	2.83	4.17	5.43	6.30	5.64	3.82	2.90	1.62	1.06	38.45
St Dev	0.18	0.26	0.27	0.40	0.46	0.44	0.72	0.66	0.42	0.57	0.17	0.12	2.62
Net Evap	0.59	0.13	1.29	1.71	3.03	3.64	4.46	3.53	2.50	1.83	0.74	0.11	23.55
Open Water Shallow	1.62	2.11	3.83	5.03	6.41	6.83	6.88	6.30	4.96	3.39	1.95	1.32	50.63
St Dev	0.15	0.23	0.41	0.28	0.27	0.20	0.20	0.17	0.23	0.38	0.15	0.07	1.07
Net Evap	1.03	0.83	3.03	3.91	5.26	5.03	5.04	4.19	3.64	2.32	1.06	0.37	35.73
Wetlands Large				0.39	5.56	10.42	10.61	9.14	6.80	4.67	1.85	0.04	49.48
St Dev				0.21	0.72	0.49	0.49	0.54	0.41	0.66	0.76	0.10	2.27
Net ET					4.64	8.99	9.14	7.45	5.74	3.81	1.14		40.92
Wetlands Narrow				0.45	7.62	14.88	15.16	13.06	9.71	6.67	2.64	0.05	70.25
St Dev				0.26	1.05	0.71	0.70	0.78	0.58	0.94	1.09	0.14	3.24
Net ET					6.70	13.45	13.69	11.37	8.65	5.81	1.94		61.61
ETr	1.97	2.69	4.88	6.71	8.88	10.09	10.11	8.71	6.47	4.44	2.47	1.64	69.05
St Dev	0.23	0.39	0.49	0.48	0.53	0.41	0.47	0.52	0.39	0.63	0.21	0.09	2.55

All values are 7 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Tremonton

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2003-2010, Lat: 41.72, Long: -112.15, Elev: 4331 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	26.69	29.97	40.57	47.53	54.35	65.11	75.00	71.26	61.50	50.15	37.53	27.57	48.94
St Dev	5.68	2.90	2.45	2.02	5.01	2.45	2.25	1.64	2.27	2.16	3.21	2.74	1.17
Precip (in)	1.22	1.12	1.00	1.63	1.99	1.05	0.08	0.47	0.16	1.19	0.63	1.04	11.59
St Dev	1.16	0.71	0.87	1.35	0.87	0.92	0.09	0.50	0.25	1.45	0.50	0.81	4.93
Aridity Adj. (F)													
Est. Dewpoint (F)	20.83	22.24	25.92	28.47	33.31	40.33	44.13	42.46	36.10	32.44	25.43	20.44	31.01
Rs (langley/day)	163	240	341	448	563	628	676	565	454	289	185	138	391
Wind (mpd)	122	157	139	140	136	144	134	131	131	125	114	111	132
Calc. Wind Limit (mpd)	96	126	101	106	98	99	99	102	96	96	96	96	101
	.....Inches.....												
Alfalfa (Beef)				1.99	6.08	6.85	7.99	7.79	5.57	1.66			37.92
St Dev				0.43	0.67	1.29	0.50	0.80	0.69	0.67			1.60
Net Irr				0.69	4.48	6.00	7.92	7.41	5.44	0.70			32.65
Alfalfa (Dairy)				1.99	5.58	6.46	8.08	6.87	4.88	1.62			35.48
St Dev				0.43	0.37	0.74	0.37	0.43	0.50	0.75			1.61
Net Irr				0.69	3.99	5.61	8.02	6.50	4.75	0.66			30.22
Apples / Cherries				1.10	5.36	8.74	11.03	9.40	5.65	2.43	0.02		43.72
St Dev				0.31	0.88	1.16	0.55	0.60	0.58	0.38	0.05		2.22
Net Irr					3.77	7.90	10.96	9.03	5.52	1.47			38.64
Barley				1.03	5.04	8.57	4.03						18.67
St Dev				0.20	1.18	1.02	1.70						0.82
Net Irr					3.45	7.73	3.97						15.15
Corn					0.88	3.58	9.85	7.08	1.59				22.99
St Dev					0.27	1.32	0.72	1.17	1.27				0.63
Net Irr						2.74	9.79	6.71	1.46				20.70
Melon					0.86	4.26	6.89	5.94	3.95	0.21			22.12
St Dev					0.30	0.83	0.35	0.37	0.86	0.23			1.41
Net Irr						3.42	6.83	5.57	3.82				19.64
Onion				0.02	3.02	6.18	10.56	8.95	3.12				31.85
St Dev				0.05	0.58	1.12	0.54	0.62	0.79				1.54
Net Irr					1.42	5.34	10.49	8.58	2.99				28.83
Other Hay				2.05	6.77	8.02	5.00	3.01	1.38	0.02			26.25
St Dev				0.44	0.92	0.87	0.43	0.23	0.24	0.04			1.52
Net Irr				0.75	5.18	7.18	4.93	2.64	1.25				21.92
Other Orchard				1.03	5.12	8.10	10.18	8.65	5.10	2.38	0.02		40.57
St Dev				0.28	0.85	1.06	0.51	0.56	0.52	0.37	0.05		2.08
Net Irr					3.53	7.26	10.11	8.28	4.96	1.43			35.57
Pasture			0.02	1.90	4.56	5.74	7.21	6.21	4.34	2.13	0.09		32.20
St Dev			0.04	0.31	0.57	0.75	0.36	0.39	0.40	0.38	0.17		1.65
Net Irr				0.60	2.97	4.90	7.14	5.84	4.21	1.18			26.83
Potato					1.19	4.68	8.09	5.20	0.78				19.93
St Dev					0.37	1.24	0.38	1.14	0.76				0.49
Net Irr						3.83	8.02	4.82	0.65				17.33
Safflower					1.90	8.29	10.60	9.07	5.13	1.17			36.17
St Dev					0.84	1.18	0.53	0.58	0.65	0.31			1.85
Net Irr					0.30	7.45	10.54	8.70	5.00	0.22			32.21
Sorghum					1.09	4.26	9.21	8.22	3.39				26.17
St Dev					0.32	0.95	0.48	0.51	0.84				1.14
Net Irr						3.42	9.15	7.85	3.25				23.67

All values are 8 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU Tremonton

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 2003-2010, Lat: 41.72, Long: -112.15, Elev: 4331 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.99	4.81	8.63	5.45	0.01					19.90
St Dev				0.19	1.17	1.11	1.74	0.02					0.85
Net Irr					3.22	7.79	5.39						16.40
Winter Wheat			0.57	1.70	5.56	8.07	2.23						18.13
St Dev			0.13	0.23	1.22	0.73	1.42						0.73
Net Irr				0.40	3.96	7.23	2.17						13.75
Garden				0.01	1.65	3.65	7.69	6.99	1.87				21.87
St Dev				0.04	0.33	0.66	0.52	0.51	0.49				0.97
Net Irr					0.06	2.80	7.62	6.62	1.74				18.85
Small Fruit					1.13	4.84	10.03	8.80	4.80	0.02			29.62
St Dev					0.37	1.06	0.57	0.58	1.17	0.07			1.64
Net Irr						4.00	9.96	8.43	4.67				27.06
Turfgrass			0.03	2.04	3.84	5.07	6.36	5.48	3.89	2.23	0.11		29.05
St Dev			0.06	0.24	0.52	0.66	0.32	0.34	0.38	0.37	0.21		1.48
Net Irr				0.73	2.25	4.22	6.30	5.11	3.76	1.28			23.64
Turfgrass Dixie			0.03	2.23	3.74	5.48	6.89	5.94	4.21	2.42	0.12		31.07
St Dev			0.07	0.26	0.54	0.73	0.35	0.37	0.41	0.40	0.22		1.60
Net Irr				0.93	2.15	4.63	6.83	5.57	4.08	1.46			25.64
Open Water Deep	0.89	1.06	1.50	2.04	2.97	4.35	6.70	6.48	4.18	3.05	1.74	0.96	35.92
St Dev	0.24	0.16	0.49	0.42	0.59	0.84	0.71	0.51	0.57	0.58	0.34	0.13	2.74
Net Evap			0.51	0.41	0.98	3.30	6.62	6.01	4.02	1.86	1.10		24.80
Open Water Shallow	0.73	1.17	2.47	3.57	4.84	5.74	6.98	5.98	4.35	2.56	1.24	0.67	40.30
St Dev	0.13	0.20	0.40	0.20	0.59	0.70	0.23	0.49	0.36	0.28	0.17	0.08	1.80
Net Evap		0.06	1.48	1.94	2.85	4.68	6.89	5.52	4.19	1.37	0.61		29.58
Wetlands Large					0.30	4.91	10.73	9.59	6.81	3.34			35.69
St Dev					0.29	1.40	0.63	0.60	0.66	1.19			2.26
Net ET						4.07	10.67	9.22	6.68	2.39			33.02
Wetlands Narrow					0.35	6.69	15.31	13.70	9.72	4.77			50.55
St Dev					0.35	2.03	0.91	0.86	0.94	1.70			3.20
Net ET						5.85	15.24	13.33	9.59	3.82			47.84
ETr	1.06	1.53	3.30	4.91	6.83	8.44	10.60	9.14	6.48	3.96	2.03	1.05	59.33
St Dev	0.20	0.25	0.57	0.41	0.81	1.11	0.53	0.57	0.63	0.60	0.39	0.12	2.76

All values are 8 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Castle Dale

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1993-1993, Lat: 39.2, Long: -111.02, Elev: 5619 ft, 8/25/2011													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.34	23.43	39.85	45.13	54.44	60.58	63.13	65.05	56.45	45.34	29.18	23.98	43.91
St Dev													
Precip (in)	1.82	1.59	1.18	1.06	3.29	1.46	1.60	0.46	1.06	1.26	0.77	0.18	15.73
St Dev													
Aridity Adj. (F)													
Est. Dewpoint (F)	14.67	15.61	22.62	19.89	30.38	27.72	30.05	35.82	25.87	26.71	10.22	9.43	22.42
Rs (langleys/day)	156	266	408	527	580	636	635	527	529	333	260	196	421
Wind (mpd)	51	52	81	140	106	135	111	91	97	73	63	54	88
Calc. Wind Limit (mpd)	96	96	132	132	132	123	109	105	96	96	96	96	109
	.....Inches.....												
Alfalfa (Beef)				2.90	6.84	7.33	7.21	7.16	2.27				33.72
St Dev													
Net Irr				2.05	4.21	6.17	5.93	6.79	1.43				26.58
Alfalfa (Dairy)				2.90	6.08	7.20	7.15	6.16	1.65				31.13
St Dev													
Net Irr				2.05	3.44	6.03	5.87	5.79	0.81				23.99
Apples / Cherries				0.58	4.92	9.50	9.89	8.50	6.28	2.26			41.93
St Dev													
Net Irr					2.29	8.34	8.61	8.13	5.44	1.25			34.05
Barley				1.35	5.20	9.59	6.53	0.07					22.74
St Dev													
Net Irr				0.50	2.56	8.42	5.25						16.74
Corn					1.08	3.99	8.77	7.66	2.64				24.14
St Dev													
Net Irr						2.82	7.49	7.29	1.79				19.40
Melon					1.11	5.08	6.18	5.32	2.11				19.79
St Dev													
Net Irr						3.91	4.90	4.95	1.26				15.02
Onion				0.14	3.57	7.48	9.50	7.80	2.00				30.50
St Dev													
Net Irr					0.94	6.31	8.22	7.43	1.16				24.06
Other Hay				3.10	7.39	8.54	4.14	2.62	1.24				27.04
St Dev													
Net Irr				2.25	4.76	7.37	2.86	2.26	0.40				19.89
Other Orchard				0.58	4.65	8.87	9.12	7.84	5.68	2.14			38.88
St Dev													
Net Irr					2.02	7.71	7.84	7.48	4.83	1.13			31.00
Pasture			0.05	2.75	4.92	6.33	6.46	5.56	4.54	1.71			32.33
St Dev													
Net Irr				1.90	2.29	5.16	5.18	5.19	3.70	0.70			24.13
Potato					1.36	4.81	7.37	5.95	2.22				21.72
St Dev													
Net Irr						3.64	6.09	5.59	1.38				16.70
Safflower					2.74	9.27	9.50	8.10	5.06	0.83			35.49
St Dev													
Net Irr					0.10	8.10	8.22	7.73	4.21				28.37
Sorghum					1.33	5.20	8.40	7.36	2.75				25.04
St Dev													
Net Irr						4.03	7.12	6.99	1.90				20.05

All values are 1 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Castle Dale

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1993-1993, Lat: 39.2, Long: -111.02, Elev: 5619 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.30	4.85	9.58	7.83	0.69					24.26
St Dev													
Net Irr				0.46	2.22	8.41	6.55	0.33					17.96
Winter Wheat			0.72	1.99	5.51	9.55	4.44	0.04					22.25
St Dev													
Net Irr				1.14	2.87	8.38	3.16						15.56
Garden				0.11	1.98	4.40	7.22	5.99	1.20				20.91
St Dev													
Net Irr						3.23	5.94	5.62	0.36				15.15
Small Fruit					1.47	5.95	9.22	7.70	2.72				27.06
St Dev													
Net Irr						4.78	7.94	7.33	1.87				21.93
Turfgrass			0.09	2.76	4.19	5.59	5.70	4.91	4.10	1.86			29.19
St Dev													
Net Irr				1.91	1.56	4.42	4.42	4.54	3.25	0.85			20.96
Turfgrass Dixie			0.10	2.99	4.12	6.05	6.18	5.32	4.44	2.02			31.21
St Dev													
Net Irr				2.14	1.48	4.89	4.90	4.95	3.59	1.01			22.96
Open Water Deep	0.42	0.40	1.54	2.67	3.08	5.06	4.94	4.64	3.48	1.97	1.04	0.72	29.96
St Dev													
Net Evap			0.36	1.61		3.60	3.34	4.18	2.42	0.71	0.27	0.54	17.03
Open Water Shallow	0.60	1.06	2.85	4.15	5.06	5.78	6.00	5.28	4.61	2.53	1.39	0.93	40.24
St Dev													
Net Evap			1.67	3.09	1.77	4.32	4.40	4.82	3.55	1.27	0.62	0.75	26.26
Wetlands Large					0.54	6.17	9.86	8.59	3.63				28.78
St Dev													
Net ET						5.00	8.58	8.22	2.78				24.58
Wetlands Narrow					0.63	8.51	14.07	12.27	5.18				40.66
St Dev													
Net ET						7.34	12.79	11.90	4.33				36.37
ETr	0.74	1.15	4.12	5.98	7.30	9.31	9.50	8.18	6.83	3.47	1.84	1.23	59.66
St Dev													

All values are 1 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Escalante

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1990, Lat: 37.62, Long: -111.6, Elev: 5790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	25.90	32.18	45.60	52.93	57.56	67.73	73.41	69.44	63.38	52.18	40.55	27.73	50.71
St Dev	4.46	3.31	1.52	1.43	0.96	4.80	0.49	2.38	3.19	1.28	2.14	7.39	0.54
Precip (in)	0.58	0.50	0.23	0.25	0.72	1.05	0.91	1.12	1.20	0.11	0.19	0.64	7.49
St Dev	0.45	0.20	0.20	0.06	0.83	1.05	0.31	0.40	1.61	0.16	0.27	0.52	1.56
Aridity Adj. (F)													
Est. Dewpoint (F)	10.31	14.67	18.37	20.52	21.25	23.27	32.70	32.41	32.19	19.10	11.47	2.88	19.93
Rs (langley/day)	249	338	471	533	627	685	584	573	462	385	271	227	450
Wind (mpd)	125	138	152	144	121	123	103	102	97	109	114	114	120
Calc. Wind Limit (mpd)	96	96	132	132	132	132	96	99	96	102	96	96	109
	.....Inches.....												
Alfalfa (Beef)			0.26	5.66	7.22	10.09	8.21	7.10	5.42	2.31			46.26
St Dev			0.05	0.53	0.01	1.39	0.63	0.25	0.35	1.68			1.60
Net Irr			0.07	5.46	6.64	9.25	7.48	6.20	4.46	2.23			41.80
Alfalfa (Dairy)			0.26	5.66	7.04	8.26	7.54	7.10	5.23	2.62			43.71
St Dev			0.05	0.53	0.13	0.68	0.34	0.08	0.67	1.62			2.57
Net Irr			0.07	5.46	6.47	7.42	6.81	6.21	4.27	2.53			39.24
Apples / Cherries				3.68	8.72	11.67	10.50	9.10	5.28	2.30			51.24
St Dev				0.44	0.04	1.08	0.46	0.05	0.63	0.13			0.57
Net Irr				3.48	8.14	10.83	9.77	8.20	4.32	2.21			46.95
Barley			0.28	3.41	8.99	10.15	0.95						23.77
St Dev			0.02	0.45	0.14	0.62	0.50						0.50
Net Irr			0.09	3.21	8.42	9.31	0.22						21.25
Corn				0.12	2.09	7.61	9.77	5.75	0.27				25.60
St Dev				0.12	0.11	0.48	0.56	0.96	0.37				1.65
Net Irr					1.52	6.77	9.04	4.85					22.18
Melon				0.10	2.74	7.11	6.56	6.02	2.52				25.06
St Dev				0.10	0.32	0.54	0.29	0.02	0.31				0.16
Net Irr					2.17	6.27	5.83	5.13	1.56				20.97
Onion				1.37	5.00	10.44	10.10	7.79	0.61				35.32
St Dev				0.26	0.12	0.82	0.44	0.18	0.05				0.12
Net Irr				1.17	4.43	9.60	9.37	6.90					31.47
Other Hay			0.24	5.80	9.63	8.16	3.86	2.61	0.73				31.04
St Dev			0.05	0.37	0.56	0.22	0.22	0.02	0.10				0.19
Net Irr			0.06	5.60	9.06	7.32	3.13	1.72					26.88
Other Orchard				3.44	8.27	10.77	9.69	8.30	4.87	2.30			47.64
St Dev				0.42	0.02	0.99	0.42	0.05	0.61	0.13			0.56
Net Irr				3.24	7.70	9.93	8.96	7.41	3.91	2.21			43.36
Pasture			0.64	4.20	6.29	7.63	6.86	6.30	4.56	3.19	0.10		39.76
St Dev			0.03	0.35	0.01	0.70	0.30	0.02	0.55	0.13	0.14		0.24
Net Irr			0.45	4.00	5.71	6.79	6.14	5.41	3.60	3.10			35.20
Potato				0.38	2.50	7.57	7.55	4.49	0.13				22.62
St Dev				0.14	0.13	0.70	0.50	1.11	0.19				1.37
Net Irr				0.18	1.93	6.73	6.82	3.59					19.25
Safflower				0.12	6.79	11.22	10.10	8.59	3.79	0.25			40.85
St Dev				0.12	0.59	1.04	0.44	0.20	0.15	0.13			0.06
Net Irr					6.22	10.38	9.37	7.70	2.83	0.16			36.65
Sorghum				0.15	2.84	8.44	9.08	8.06	0.13				28.70
St Dev				0.16	0.25	0.38	0.40	0.41	0.19				0.18
Net Irr					2.26	7.60	8.35	7.17					25.39

All values are 2 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Escalante

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1990, Lat: 37.62, Long: -111.6, Elev: 5790 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain			0.28	3.26	8.79	10.83	1.76						24.92
St Dev			0.02	0.46	0.20	0.84	0.63						0.48
Net Irr			0.09	3.06	8.22	9.99	1.03						22.40
Winter Wheat		0.05	1.61	4.40	9.31	7.52	0.30						23.19
St Dev		0.07	0.20	0.71	0.10	0.86	0.13						0.22
Net Irr			1.42	4.20	8.73	6.68							21.05
Garden				0.79	2.90	6.49	8.25	5.26	0.31				24.00
St Dev				0.15	0.08	0.44	0.39	0.21	0.02				0.01
Net Irr				0.59	2.33	5.65	7.52	4.36					20.45
Small Fruit				0.30	3.11	9.08	10.04	8.40	2.13				33.07
St Dev				0.11	0.35	0.43	0.44	0.12	0.26				0.09
Net Irr				0.10	2.54	8.24	9.31	7.50	1.17				28.87
Turfgrass			0.98	3.67	5.47	6.73	6.06	5.56	4.10	3.35	0.14		36.05
St Dev			0.02	0.31		0.62	0.26	0.01	0.52	0.07	0.19		0.21
Net Irr			0.79	3.47	4.90	5.89	5.33	4.66	3.14	3.26			31.45
Turfgrass Dixie			1.08	3.82	5.56	7.29	6.56	6.02	4.44	3.63	0.16		38.57
St Dev			0.02	0.33	0.01	0.67	0.29	0.02	0.56	0.08	0.22		0.20
Net Irr			0.90	3.62	4.99	6.45	5.83	5.13	3.48	3.54			33.95
Open Water Deep	1.39	1.60	3.60	4.44	5.11	7.90	6.99	6.61	4.70	4.54	3.02	1.86	51.77
St Dev	0.38	0.29	0.30	0.44	0.17	1.75	0.03	1.03	0.26	0.05	0.51	0.81	1.38
Net Evap	0.82	1.10	3.37	4.19	4.40	6.85	6.08	5.49	3.50	4.43	2.83	1.23	44.28
Open Water Shallow	1.30	1.95	4.09	4.93	5.93	6.74	6.31	6.02	4.61	3.60	2.15	1.44	49.07
St Dev	0.14	0.06	0.83	0.36	0.02	0.58	0.33	0.18	0.52	0.10	0.26	0.40	2.02
Net Evap	0.73	1.45	3.86	4.68	5.21	5.69	5.40	4.90	3.41	3.49	1.96	0.81	41.58
Wetlands Large					2.31	9.87	10.60	9.73	7.17	3.71			43.39
St Dev					0.60	0.33	0.46	0.02	0.91	2.73			4.35
Net ET					1.74	9.03	9.87	8.83	6.21	3.62			39.31
Wetlands Narrow					2.95	13.94	15.14	13.90	10.24	5.30			61.48
St Dev					0.83	0.41	0.66	0.03	1.30	3.90			6.25
Net ET					2.38	13.10	14.42	13.01	9.28	5.21			57.40
ETr	2.05	2.70	6.14	7.63	9.24	11.22	10.10	9.27	6.83	5.71	3.69	2.46	77.04
St Dev	0.33	0.27	0.95	0.66	0.01	1.04	0.44	0.02	0.87	0.06	0.65	0.96	2.94

All values are 2 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Grantsville

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1990, Lat: 40.6, Long: -112.47, Elev: 4290 ft, 8/25/2011													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	27.70	27.96	44.26	52.73	55.45	66.03	74.62	71.39	65.53	51.19	38.84	24.13	49.99
St Dev	6.81	5.00	0.34	0.52	0.91	2.38	0.56	0.82	3.75	1.04	0.79	7.28	1.00
Precip (in)	0.18	1.37	1.07	1.31	1.11	0.99	0.57	0.59	0.62	0.84	1.04	0.45	10.11
St Dev	0.11	0.83	0.14	0.59	0.45	0.01	0.19	0.06	0.55	0.64	0.45	0.29	0.63
Aridity Adj. (F)													
Est. Dewpoint (F)	16.41	19.24	26.80	29.44	31.12	36.06	38.21	36.47	33.55	23.50	22.83	13.85	27.29
Rs (langley/day)	196	259	360	494	587	671	644	563	462	348	225	181	416
Wind (mpd)	85	88	112	113	116	115	114	83	69	76	50	31	88
Calc. Wind Limit (mpd)	96	96	96	105	96	96	96	96	96	96	96	96	97
	.....Inches.....												
Alfalfa (Beef)				2.92	5.92	8.02	7.61	6.05	5.13	0.72			36.38
St Dev				0.42	0.11	1.11	0.22	0.89	0.93	0.23			0.64
Net Irr				1.88	5.03	7.23	7.16	5.58	4.64	0.05			31.58
Alfalfa (Dairy)				2.92	5.21	6.46	7.73	5.87	4.31	1.02			33.53
St Dev				0.42	0.30	0.44	0.10	0.82	0.59	0.40			0.76
Net Irr				1.88	4.33	5.67	7.28	5.40	3.81	0.35			28.73
Apples / Cherries				1.63	5.76	9.20	10.64	7.94	4.85	2.14			42.15
St Dev				0.26	0.43	0.93	0.15	1.07	0.89	0.97			1.47
Net Irr				0.58	4.88	8.41	10.18	7.47	4.35	1.48			37.35
Barley				1.85	6.18	8.82	2.20						19.05
St Dev				0.26	0.26	0.71	0.79						0.44
Net Irr				0.81	5.29	8.03	1.75						15.88
Corn					1.08	3.87	9.72	5.99	0.78				21.44
St Dev					0.09	0.64	0.09	1.02	0.62				0.82
Net Irr					0.19	3.08	9.27	5.53	0.29				18.35
Melon					1.20	5.08	6.65	5.06	3.15				21.14
St Dev					0.12	0.65	0.09	0.64	0.58				0.54
Net Irr					0.31	4.30	6.20	4.59	2.66				18.05
Onion				0.17	3.44	7.25	10.23	7.37	2.08				30.53
St Dev				0.16	0.21	1.14	0.14	1.12	0.71				0.46
Net Irr					2.56	6.46	9.77	6.90	1.58				27.28
Other Hay				2.91	7.05	7.97	4.43	2.47	1.07				25.90
St Dev				0.48	0.36	0.30	0.38	0.41	0.30				0.06
Net Irr				1.87	6.16	7.19	3.98	2.00	0.58				21.77
Other Orchard				1.52	5.52	8.49	9.82	7.29	4.37	2.13			39.15
St Dev				0.24	0.40	0.85	0.14	1.00	0.80	0.96			1.40
Net Irr				0.48	4.64	7.71	9.37	6.82	3.88	1.46			34.35
Pasture			0.06	2.52	4.69	6.02	6.95	5.29	3.78	1.77			31.09
St Dev			0.08	0.26	0.19	0.60	0.10	0.66	0.69	0.95			1.27
Net Irr				1.48	3.80	5.23	6.50	4.83	3.29	1.10			26.23
Potato					1.39	5.18	7.82	4.47	0.20				19.06
St Dev					0.11	0.63	0.17	0.95	0.29				0.67
Net Irr					0.51	4.39	7.36	4.00					16.27
Safflower					3.08	8.84	10.23	7.63	4.09	0.74			34.60
St Dev					0.28	0.90	0.14	1.00	0.73	0.18			0.88
Net Irr					2.20	8.05	9.77	7.16	3.59	0.07			30.85
Sorghum					1.37	5.42	9.11	7.01	2.03				24.94
St Dev					0.13	0.80	0.10	0.88	0.52				0.57
Net Irr					0.49	4.64	8.66	6.54	1.53				21.85

All values are 2 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Grantsville

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1990, Lat: 40.6, Long: -112.47, Elev: 4290 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.77	5.95	9.02	3.49						20.22
St Dev				0.24	0.24	0.84	0.89						0.44
Net Irr				0.73	5.07	8.23	3.04						17.06
Winter Wheat			0.78	2.64	6.73	7.55	0.83						18.53
St Dev			0.18	0.25	0.30	0.37	0.34						0.76
Net Irr			1.60	5.85	6.77	0.37							14.58
Garden				0.12	1.90	4.29	7.85	5.53	1.17				20.86
St Dev				0.10	0.11	0.69	0.07	0.98	0.43				0.43
Net Irr				1.02	3.50	7.40	5.06	0.68					17.65
Small Fruit					1.47	5.81	9.97	7.37	3.57				28.19
St Dev					0.14	0.82	0.09	0.97	0.59				0.70
Net Irr					0.58	5.02	9.52	6.91	3.08				25.11
Turfgrass			0.10	2.63	3.97	5.31	6.14	4.67	3.43	1.93			28.18
St Dev			0.14	0.11	0.20	0.53	0.09	0.59	0.57	0.93			1.18
Net Irr			1.58	3.09	4.52	5.68	4.20	2.93	1.27				23.28
Turfgrass Dixie			0.11	2.87	3.88	5.75	6.65	5.06	3.71	2.10			30.13
St Dev			0.16	0.09	0.23	0.58	0.09	0.64	0.61	1.00			1.29
Net Irr			1.82	3.00	4.96	6.20	4.59	3.22	1.43				25.22
Open Water Deep	1.06	0.72	1.84	2.82	2.98	4.70	6.70	4.87	3.49	2.76	1.22	0.46	33.63
St Dev	0.44	0.27	0.07	0.08	0.30	1.09	0.05	1.38	0.93	0.77	0.37	0.33	1.61
Net Evap	0.88		0.77	1.51	1.87	3.72	6.13	4.29	2.87	1.92	0.18	0.02	24.17
Open Water Shallow	0.99	1.20	2.81	4.22	5.06	6.08	6.71	5.75	4.45	2.96	1.41	0.75	42.40
St Dev	0.26	0.24	0.17	0.08	0.04	0.50	0.11	0.26	0.19	0.09	0.03	0.09	0.36
Net Evap	0.81		1.74	2.92	3.96	5.10	6.14	5.17	3.83	2.12	0.37	0.30	32.46
Wetlands Large					0.49	5.96	10.62	8.18	6.00	2.05			33.29
St Dev					0.05	0.77	0.13	1.03	0.99	1.05			2.37
Net ET					5.17	10.17	7.71	5.50	1.38				29.93
Wetlands Narrow					0.57	8.24	15.16	11.68	8.57	2.93			47.15
St Dev					0.06	1.10	0.19	1.47	1.41	1.49			3.41
Net ET					7.45	14.71	11.21	8.07	2.26				43.71
ETr	1.42	1.44	3.80	5.88	6.97	8.85	10.23	7.79	5.71	3.91	1.73	0.75	58.46
St Dev	0.50	0.34	0.06	0.02	0.23	0.89	0.14	0.98	0.94	0.69	0.32	0.35	1.43

All values are 2 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Midway

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1990, Lat: 40.52, Long: -111.47, Elev: 5550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	18.10	20.36	39.19	47.58	51.52	59.28	68.41	64.91	59.88	46.27	35.35	20.21	44.25
St Dev	5.25	1.11	0.47	0.40	1.37	1.78	0.70	0.35	2.79		0.61	6.77	0.18
Precip (in)	1.01	1.04	0.74	0.50	0.72	0.67	0.22	0.34	0.65	0.80	0.59	0.78	8.04
St Dev	1.43	1.47	1.02	0.70	1.02	0.93	0.11	0.48	0.91	1.12	0.83	1.10	11.13
Aridity Adj. (F)													
Est. Dewpoint (F)	8.91	11.14	21.71	24.22	25.62	34.19	36.65	33.73	30.43	21.89	17.57	8.03	22.84
Rs (langley/day)	191	271	364	481	581	644	631	577	476	328	241	171	413
Wind (mpd)	43	48	72	82	100	84	69	72	61	73	63	42	67
Calc. Wind Limit (mpd)	96	96	99	113	96	96	96	96	96	96	96	96	98
	.....Inches.....												
Alfalfa (Beef)				1.77	6.12	5.84	6.78	6.87	3.19	0.69			31.27
St Dev				0.17	0.10	0.94	0.05	0.38	0.45	0.55			2.34
Net Irr				1.38	5.55	5.31	6.61	6.60	2.67	0.05			28.16
Alfalfa (Dairy)				1.77	6.01	5.93	6.42	5.53	4.03	0.72			30.41
St Dev				0.17	0.06	0.70	0.14	0.17	0.42	0.28			0.83
Net Irr				1.38	5.44	5.39	6.25	5.26	3.51	0.08			27.30
Apples / Cherries				0.44	4.57	7.76	8.99	7.84	5.25	1.36			36.20
St Dev				0.02	0.08	1.04	0.07	0.20	0.39	0.54			0.19
Net Irr				0.04	3.99	7.22	8.82	7.57	4.73	0.72			33.09
Barley				0.95	4.46	7.79	6.23						19.43
St Dev				0.16	0.14	1.05	0.48						0.58
Net Irr				0.55	3.88	7.25	6.06						17.75
Corn					0.76	2.29	7.23	7.20	4.12	0.35			21.95
St Dev					0.03	0.37	0.24	0.17	0.48	0.04			0.31
Net Irr					0.18	1.76	7.06	6.93	3.60				19.53
Melon					0.72	3.73	5.62	4.91	2.56	0.11			17.66
St Dev					0.04	0.50	0.05	0.12	1.32	0.15			2.02
Net Irr					0.15	3.19	5.45	4.64	2.05				15.48
Onion					1.73	4.37	8.19	7.41	3.00	0.08			24.78
St Dev					0.10	0.62	0.06	0.39	1.97	0.12			2.94
Net Irr					1.16	3.83	8.02	7.14	2.48				22.63
Other Hay				1.85	6.58	7.36	4.27	2.51	1.28	0.01			23.85
St Dev				0.24	0.07	0.84	0.30	0.01	0.17	0.01			0.69
Net Irr				1.45	6.00	6.83	4.09	2.24	0.77				21.38
Other Orchard				0.43	4.31	7.24	8.30	7.24	4.74	1.26			33.51
St Dev				0.02	0.08	0.98	0.07	0.18	0.35	0.52			0.17
Net Irr				0.04	3.73	6.71	8.13	6.96	4.22	0.62			30.41
Pasture				1.72	4.45	5.16	5.88	5.14	3.67	0.90			26.92
St Dev				0.22	0.03	0.70	0.05	0.13	0.37	0.44			0.22
Net Irr				1.33	3.87	4.62	5.71	4.87	3.16	0.27			23.82
Potato					0.76	2.72	6.38	5.57	3.57	0.41			19.41
St Dev					0.03	0.42	0.14	0.10	0.45	0.04			0.22
Net Irr					0.18	2.19	6.21	5.30	3.05				16.93
Safflower					1.51	7.46	8.64	7.43	4.09	0.61			29.75
St Dev					0.12	1.01	0.07	0.12	0.63	0.34			0.03
Net Irr					0.94	6.92	8.47	7.15	3.57				27.06
Sorghum					0.95	3.65	7.48	6.80	3.25				22.13
St Dev					0.04	0.49	0.06	0.17	0.05				0.61
Net Irr					0.37	3.12	7.30	6.53	2.73				20.06

All values are 2 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Midway

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1990, Lat: 40.52, Long: -111.47, Elev: 5550 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.92	4.20	7.73	7.08	0.56					20.49
St Dev				0.15	0.18	1.02	0.26	0.02					0.74
Net Irr				0.52	3.62	7.20	6.91	0.29					18.54
Winter Wheat			0.51	1.67	4.97	7.76	4.37						19.27
St Dev			0.06	0.05	0.22	1.04	0.49						0.45
Net Irr				1.27	4.40	7.22	4.19						17.09
Garden					0.95	2.58	5.24	6.18	2.29	0.04			17.28
St Dev					0.04	0.35	0.03	0.16	0.83	0.06			1.33
Net Irr					0.37	2.04	5.07	5.91	1.78				15.16
Small Fruit					0.68	3.58	7.74	7.32	3.42	0.13			22.86
St Dev					0.03	0.49	0.05	0.31	1.85	0.19			2.75
Net Irr					0.10	3.04	7.57	7.04	2.90				20.66
Turfgrass				1.99	3.71	4.55	5.19	4.53	3.42	1.09			24.49
St Dev				0.13	0.05	0.62	0.04	0.11	0.27	0.46			0.14
Net Irr				1.60	3.13	4.02	5.01	4.26	2.90	0.46			21.39
Turfgrass Dixie				2.20	3.58	4.92	5.62	4.91	3.71	1.19			26.13
St Dev				0.14	0.05	0.69	0.05	0.12	0.29	0.50			0.15
Net Irr				1.81	3.01	4.38	5.45	4.64	3.19	0.55			23.02
Open Water Deep	0.46	0.38	1.23	1.93	2.59	2.88	3.89	3.70	2.78	2.37	1.30	0.53	24.03
St Dev	0.08	0.08	0.14	0.12	0.05	0.53	0.16	0.17	0.18	0.37	0.03	0.05	0.83
Net Evap			0.49	1.44	1.87	2.21	3.68	3.36	2.13	1.57	0.71		17.45
Open Water Shallow	0.71	1.03	2.57	3.81	4.83	5.38	6.02	5.46	4.25	2.67	1.45	0.74	38.91
St Dev	0.06	0.01	0.08	0.01	0.02	0.66	0.04	0.07	0.36	0.08	0.11	0.06	0.20
Net Evap			1.83	3.31	4.11	4.71	5.80	5.12	3.60	1.88	0.86		31.22
Wetlands Large					0.20	4.42	8.81	7.93	5.99	0.91			28.26
St Dev					0.01	0.70	0.03	0.20	0.47	0.31			0.72
Net ET						3.89	8.63	7.66	5.47	0.27			25.93
Wetlands Narrow					0.22	6.02	12.57	11.33	8.55	1.30			39.99
St Dev					0.02	0.97	0.05	0.28	0.67	0.44			1.00
Net ET						5.48	12.40	11.06	8.04	0.66			37.64
ETr	0.91	1.12	3.27	5.12	6.74	7.59	8.64	7.56	5.70	3.90	1.95	0.90	53.40
St Dev	0.13	0.05	0.02	0.03	0.02	1.03	0.07	0.19	0.44	0.40	0.05	0.04	1.10

All values are 2 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Park City

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1989, Lat: 40.65, Long: -111.5, Elev: 7140 ft, 8/25/2011													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	20.50	20.63	35.34	44.02	48.79	55.42	67.73	62.63	55.27	44.40	34.63	24.98	42.86
St Dev													
Precip (in)	0.04	0.05	0.01	0.11	0.01	0.01	0.23	0.44	1.21	0.71	0.77	0.58	4.17
St Dev													
Aridity Adj. (F)													
Est. Dewpoint (F)	6.82	8.98	17.74	17.17	26.58	34.00	38.30	28.78	30.65	22.54	18.46	12.98	21.92
Rs (langley/day)	206	256	373	517	589	597	648	550	503	338	233	173	415
Wind (mpd)	56	49	70	75	71	58	56	64	52	60	60	50	60
Calc. Wind Limit (mpd)	96	96	96	109	96	96	96	96	96	96	96	96	97
	.....Inches.....												
Alfalfa (Beef)				0.39	4.25	4.97	7.14	4.95	3.44	0.49			25.62
St Dev													
Net Irr				0.31	4.24	4.96	6.95	4.60	2.47				23.53
Alfalfa (Dairy)				0.39	4.25	4.50	5.91	5.20	3.53	0.34			24.12
St Dev													
Net Irr				0.31	4.24	4.49	5.73	4.85	2.56				22.18
Apples / Cherries					3.05	5.88	8.06	7.03	4.64	1.63			30.29
St Dev													
Net Irr					3.04	5.87	7.88	6.68	3.67	1.06			28.20
Barley				0.36	2.40	5.62	7.53	1.18					17.08
St Dev													
Net Irr				0.27	2.39	5.61	7.35	0.83					16.44
Corn					0.02	1.24	4.13	6.68	4.54	0.49			17.09
St Dev													
Net Irr					0.01	1.23	3.94	6.33	3.57				15.08
Melon					0.02	1.68	4.77	4.40	1.30				12.16
St Dev													
Net Irr					0.01	1.67	4.58	4.04	0.33				10.64
Onion					1.16	3.28	7.04	6.58	1.30				19.36
St Dev													
Net Irr					1.15	3.27	6.86	6.23	0.33				17.84
Other Hay				0.40	4.83	6.26	5.31	2.50	1.28	0.25			20.82
St Dev													
Net Irr				0.31	4.82	6.25	5.13	2.14	0.31				18.96
Other Orchard					2.88	5.56	7.44	6.49	4.23	1.46			28.06
St Dev													
Net Irr					2.87	5.55	7.26	6.14	3.26	0.90			25.98
Pasture				0.68	3.38	4.10	5.27	4.60	3.13	1.05			22.21
St Dev													
Net Irr				0.59	3.37	4.10	5.09	4.25	2.16	0.48			20.03
Potato					0.27	1.52	4.95	5.23	3.35	0.37			15.69
St Dev													
Net Irr					0.26	1.52	4.77	4.87	2.39				13.80
Safflower					0.02	4.34	7.75	6.76	3.88	0.77			23.52
St Dev													
Net Irr					0.01	4.33	7.57	6.40	2.91	0.20			21.44
Sorghum					0.03	1.76	5.40	6.08	4.28	0.34			17.89
St Dev													
Net Irr					0.02	1.75	5.21	5.73	3.31				16.03

All values are 1 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Park City

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1989-1989, Lat: 40.65, Long: -111.5, Elev: 7140 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				0.36	2.30	5.48	7.78	2.04					17.94
St Dev													
Net Irr				0.27	2.29	5.47	7.60	1.68					17.30
Winter Wheat			0.19	1.30	2.78	5.87	6.48	0.50					17.13
St Dev													
Net Irr			0.18	1.22	2.78	5.86	6.30	0.15					16.48
Garden					0.66	1.91	4.34	5.53	1.48				13.92
St Dev													
Net Irr					0.66	1.90	4.15	5.17	0.51				12.40
Small Fruit					0.21	2.00	5.97	6.60	1.71				16.48
St Dev													
Net Irr					0.20	1.99	5.78	6.25	0.74				14.96
Turfgrass				1.00	2.87	3.61	4.65	4.06	2.85	1.22			20.25
St Dev													
Net Irr				0.91	2.86	3.60	4.47	3.71	1.88	0.65			18.07
Turfgrass Dixie				1.11	2.90	3.76	5.04	4.40	3.09	1.32			21.61
St Dev													
Net Irr				1.02	2.89	3.75	4.86	4.04	2.12	0.75			19.44
Open Water Deep	0.65	0.56	1.15	1.92	1.94	1.86	3.04	3.57	1.92	1.92	1.27	0.65	20.43
St Dev													
Net Evap	0.61	0.51	1.14	1.81	1.93	1.85	2.81	3.13	0.71	1.21	0.50	0.07	16.26
Open Water Shallow	0.90	1.14	2.48	3.90	4.63	4.74	5.98	5.19	4.07	2.58	1.39	0.83	37.84
St Dev													
Net Evap	0.86	1.09	2.47	3.79	4.62	4.73	5.75	4.75	2.86	1.87	0.62	0.25	33.67
Wetlands Large						1.21	6.12	7.10	4.99	0.57			20.00
St Dev													
Net ET						1.20	5.94	6.75	4.02	0.01			17.92
Wetlands Narrow						1.51	8.58	10.14	7.13	0.82			28.18
St Dev													
Net ET						1.50	8.39	9.79	6.16	0.25			26.10
ETr	1.04	1.24	2.93	4.84	5.77	6.04	7.75	6.76	4.75	3.14	1.69	0.96	46.91
St Dev													

All values are 1 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Santaquin

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1987-1991, Lat: 39.98, Long: -111.78, Elev: 4850 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
Temp (F)	24.00	29.29	41.40	50.61	54.98	66.12	73.22	70.33	61.50	51.32	37.83	24.95	48.80
St Dev	4.66	5.09	2.69	2.90	2.66	2.21	2.55	1.52	2.77	2.33	0.72	3.64	0.66
Precip (in)	3.21	5.81	3.24	1.38	1.42	0.61	1.23	1.47	1.37	3.38	1.62	0.98	25.71
St Dev	4.14	4.68	4.20	1.27	0.82	0.57	2.08	2.28	2.34	2.81	0.50	1.20	14.37
Aridity Adj. (F)													
Est. Dewpoint (F)	10.40	16.00	20.24	22.59	30.21	37.21	39.96	39.84	34.75	27.62	22.62	13.34	26.23
Rs (langley/day)	189	271	352	473	556	653	641	564	478	340	198	159	406
Wind (mpd)	59	56	89	88	76	67	58	54	52	43	50	49	62
Calc. Wind Limit (mpd)	96	96	99	106	96	96	96	96	96	96	96	96	97
	.....Inches.....												
Alfalfa (Beef)				2.30	5.59	6.73	6.37	5.79	4.58	1.34	0.16		32.85
St Dev				0.34	0.40	0.69	0.57	0.52	0.66	0.76	0.35		1.58
Net Irr				1.20	4.46	6.24	5.39	4.61	3.48				25.38
Alfalfa (Dairy)				2.30	5.08	5.97	6.44	5.38	3.93	1.49	0.05		30.64
St Dev				0.34	0.37	0.55	0.46	0.17	0.35	0.71	0.12		1.41
Net Irr				1.20	3.95	5.48	5.46	4.20	2.83				23.12
Apples / Cherries				1.21	5.06	8.25	8.81	7.36	4.46	1.95			37.10
St Dev				0.17	0.43	0.71	0.67	0.22	0.40	0.23			1.42
Net Irr				0.10	3.93	7.76	7.83	6.18	3.37				29.17
Barley				1.35	5.09	8.06	2.60						17.09
St Dev				0.30	0.82	0.70	1.08						0.85
Net Irr				0.25	3.96	7.57	1.61						13.39
Corn					0.87	3.47	8.06	5.78	1.14				19.32
St Dev					0.19	0.50	0.70	0.38	0.74				0.70
Net Irr						2.98	7.08	4.60	0.04				14.70
Melon					0.91	4.22	5.51	4.66	2.73				18.03
St Dev					0.27	0.49	0.42	0.16	0.41				1.05
Net Irr						3.73	4.53	3.48	1.64				13.38
Onion				0.07	2.97	6.05	8.45	6.91	2.12				26.58
St Dev				0.12	0.35	0.75	0.63	0.20	0.34				1.32
Net Irr					1.84	5.56	7.47	5.74	1.03				21.63
Other Hay				2.31	6.38	7.49	3.90	2.32	1.06	0.01			23.47
St Dev				0.34	0.44	0.60	0.24	0.06	0.13	0.01			0.74
Net Irr				1.21	5.25	7.00	2.92	1.15					17.52
Other Orchard				1.13	4.85	7.63	8.13	6.77	4.02	1.92			34.44
St Dev				0.16	0.43	0.65	0.62	0.20	0.36	0.22			1.32
Net Irr				0.03	3.71	7.14	7.15	5.59	2.93				26.55
Pasture			0.01	2.08	4.28	5.41	5.76	4.88	3.46	1.70	0.21		27.78
St Dev			0.03	0.24	0.24	0.46	0.44	0.17	0.34	0.33	0.30		0.98
Net Irr				0.98	3.14	4.91	4.78	3.70	2.36				19.88
Potato					1.15	4.50	6.51	4.39	0.43				16.97
St Dev					0.23	0.47	0.46	0.27	0.38				0.61
Net Irr					0.02	4.00	5.53	3.22					12.76
Safflower					2.18	7.88	8.47	7.07	3.89	0.83			30.33
St Dev					0.88	0.66	0.64	0.22	0.29	0.28			1.36
Net Irr					1.05	7.39	7.49	5.90	2.80				24.62
Sorghum					1.10	4.32	7.44	6.45	2.22				21.53
St Dev					0.24	0.68	0.52	0.22	0.52				1.09
Net Irr						3.83	6.46	5.28	1.12				16.69

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.

Estimated Consumptive Use for EWS: USU94 Santaquin

Aridity Index: 0%, Temp. Adj. (F): 0, Period: 1987-1991, Lat: 39.98, Long: -111.78, Elev: 4850 ft, 8/25/2011

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	.....Inches.....												
Spring Grain				1.30	4.89	8.13	3.75						18.08
St Dev				0.28	0.83	0.68	1.14						0.76
Net Irr				0.20	3.75	7.64	2.77						14.37
Winter Wheat			0.69	2.05	5.55	7.35	1.24						16.88
St Dev			0.12	0.30	0.87	0.83	0.88						1.02
Net Irr			0.95	4.42	6.86	0.26							12.48
Garden				0.05	1.63	3.58	6.27	5.30	1.25				18.08
St Dev				0.08	0.20	0.45	0.51	0.25	0.25				0.91
Net Irr					0.50	3.08	5.29	4.13	0.15				13.16
Small Fruit					1.14	4.76	8.10	6.84	3.25				24.10
St Dev					0.29	0.62	0.57	0.21	0.24				1.29
Net Irr					0.01	4.27	7.12	5.66	2.16				19.22
Turfgrass			0.03	2.29	3.59	4.77	5.08	4.30	3.10	1.74	0.25		25.16
St Dev			0.06	0.19	0.23	0.41	0.39	0.15	0.30	0.22	0.35		0.86
Net Irr				1.19	2.46	4.28	4.10	3.13	2.01				17.16
Turfgrass Dixie			0.03	2.52	3.48	5.16	5.51	4.66	3.36	1.89	0.27		26.88
St Dev			0.06	0.21	0.23	0.44	0.42	0.16	0.32	0.23	0.38		0.91
Net Irr				1.42	2.35	4.67	4.53	3.48	2.27				18.72
Open Water Deep	0.78	0.71	1.75	2.42	2.39	3.38	4.00	3.52	2.38	1.74	1.12	0.66	24.84
St Dev	0.30	0.23	0.40	0.28	0.19	0.60	0.82	0.19	0.49	0.39	0.26	0.27	2.14
Net Evap				1.04	0.97	2.76	2.77	2.05	1.02				10.61
Open Water Shallow	0.92	1.34	2.71	3.99	4.76	5.78	6.26	5.55	4.24	2.78	1.29	0.78	40.40
St Dev	0.13	0.27	0.15	0.21	0.34	0.42	0.32	0.08	0.28	0.12	0.19	0.15	0.88
Net Evap				2.61	3.35	5.17	5.03	4.08	2.87				23.11
Wetlands Large					0.35	4.90	8.68	7.53	5.43	2.45	0.17		29.50
St Dev					0.30	0.82	0.65	0.26	0.52	0.89	0.37		1.51
Net ET						4.41	7.70	6.35	4.33				22.80
Wetlands Narrow					0.41	6.70	12.39	10.76	7.75	3.50	0.24		41.75
St Dev					0.35	1.23	0.93	0.37	0.74	1.28	0.53		2.16
Net ET						6.21	11.41	9.58	6.66	0.80			34.66
ETr	1.19	1.52	3.69	5.46	6.41	7.95	8.47	7.17	5.17	3.26	1.64	0.97	52.90
St Dev	0.31	0.35	0.45	0.28	0.31	0.68	0.64	0.24	0.49	0.32	0.32	0.30	2.15

All values are 5 year averages. Effective precipitation is 80% of total for crops and 100% of total for open water evaporation.



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