

**Costs and Returns per acre from growing barley, 2006
Juab County**

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Barley	56.0	bushels	\$2.27	\$126.90	\$126.90	
Straw	0.70	tons	\$43.00	\$30.10	\$30.10	
				\$157.00	\$157.00	
Subtotal						
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	278	pounds	\$0.18	\$49.62	\$49.62	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
Puma	0.67	pint	\$25.00	\$16.75	\$16.75	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$30.00	\$30.00	\$30.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	25	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	56.0	bushel	\$0.06	\$3.36	\$3.36	
Baling	0.70	tons	\$4.79	\$3.35	\$3.35	
Haul/stack straw	0.70	tons	\$3.63	\$2.54	\$2.54	
Crop insurance (75% Yield, 100% Price)	1	acre	\$9.17	\$9.17	\$9.17	
Interest on operating capital				7.61%	\$4.06	\$4.06
					\$221.67	\$222.52
Subtotal						
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership cost	1	acre	\$58.83	\$58.83	\$58.83	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs					\$290.75	\$291.60
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs					-\$64.67	-\$65.52
Above total listed costs					-\$133.76	-\$134.61

Breakeven Table - Barley

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.27	\$1.77	\$2.27	\$2.77	\$3.27
41.00	-\$138.76	-\$118.26	-\$97.76	-\$77.26	-\$56.76
46.00	-\$132.73	-\$109.73	-\$86.73	-\$63.73	-\$40.73
51.00	-\$126.70	-\$101.20	-\$75.70	-\$50.20	-\$24.70
56.00	-\$120.67	-\$92.67	-\$64.67	-\$36.67	-\$8.67
61.00	-\$114.64	-\$84.14	-\$53.64	-\$23.14	\$7.36
66.00	-\$108.61	-\$75.61	-\$42.61	-\$9.61	\$23.39
71.00	-\$102.58	-\$67.08	-\$31.58	\$3.92	\$39.42

Assumptions

1. Grain planted in late March and harvested in early August.
2. Interest computed on land preparation and planting costs for 6 months and fertilization/herbicides/irrigation costs for 3 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.