

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

**Utah County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Barley	88.0	bushels	\$2.27	\$199.41	\$199.41	
Straw	0.90	tons	\$43.00	\$38.70	\$38.70	
				\$238.11	\$238.11	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
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)	275	pounds	\$0.18	\$49.09	\$49.09	
Phosphate (11-52-0)	58	pounds	\$0.18	\$10.35	\$10.35	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Sevin XLR Plus	1	quart	\$4.10	\$4.10	\$4.10	
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
Puma	0.67	pint	\$25.00	\$16.68	\$16.68	
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	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	24	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	88.0	bushel	\$0.06	\$5.28	\$5.28	
Baling	0.90	tons	\$4.79	\$4.31	\$4.31	
Haul/stack straw	0.90	tons	\$3.63	\$3.27	\$3.27	
Crop insurance (75% Yield, 100% Price)	1	acre	\$9.54	\$9.54	\$9.54	
Interest on operating capital			7.61%	\$3.65	\$3.65	
				\$207.17	\$207.30	
<b>Subtotal</b>						
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$91.64	\$91.64	\$91.64	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$309.06	\$309.19	
<b>Total costs</b>						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$30.94	\$30.81	
Above total costs				-\$70.95	-\$71.08	

**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
73.00	-\$75.15	-\$38.65	-\$2.15	\$34.35	\$70.85
78.00	-\$69.12	-\$30.12	\$8.88	\$47.88	\$86.88
83.00	-\$63.09	-\$21.59	\$19.91	\$61.41	\$102.91
88.00	-\$57.06	-\$13.06	\$30.94	\$74.94	\$118.94
93.00	-\$51.03	-\$4.53	\$41.97	\$88.47	\$134.97
98.00	-\$45.00	\$4.00	\$53.00	\$102.00	\$151.00
103.00	-\$38.97	\$12.53	\$64.03	\$115.53	\$167.03

**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.