

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Barley	120.0	bushels	\$2.27	\$271.92	\$271.92	
Straw	1.0	tons	\$43.00	\$43.00	\$43.00	
Subtotal				\$314.92	\$314.92	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	120	pounds	\$0.17	\$20.40	\$20.40	
Fertilization						
Nitrogen (34-0-0)	341	pounds	\$0.18	\$60.87	\$60.87	
Phosphate (11-52-0)	38	pounds	\$0.18	\$6.78	\$6.78	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	2.33	pints	\$2.75	\$6.41	\$6.41	
Puma	0.67	pint	\$25.00	\$16.75	\$16.75	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)	2	irrigations				
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$25.00	\$25.00	\$25.00	
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)	120.0	bushel	\$0.06	\$7.20	\$7.20	
Baling straw	0.75	tons	\$4.79	\$3.59	\$3.59	
Haul/stack straw	0.75	tons	\$3.63	\$2.72	\$2.72	
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.45	\$4.45	\$4.45	
Interest on operating capital			7.61%	\$4.06	\$4.06	
Subtotal				\$224.97	\$224.97	
Ownership costs (excludes cost of land)				\$179.48	\$179.48	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$169.23	\$169.23	\$169.23	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$404.45	\$404.45	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$89.95	\$89.95	
Above total listed costs				-\$89.53	-\$89.53	

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
105.00	-\$48.14	\$4.36	\$56.86	\$109.36	\$161.86
110.00	-\$42.11	\$12.89	\$67.89	\$122.89	\$177.89
115.00	-\$36.08	\$21.42	\$78.92	\$136.42	\$193.92
120.00	-\$30.05	\$29.95	\$89.95	\$149.95	\$209.95
125.00	-\$24.02	\$38.48	\$100.98	\$163.48	\$225.98
130.00	-\$17.99	\$47.01	\$112.01	\$177.01	\$242.01
135.00	-\$11.96	\$55.54	\$123.04	\$190.54	\$258.04

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.