

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Barley	80.0	bushels	\$2.27	\$181.28	\$181.28	
Straw	0.50	tons	\$43.00	\$21.50	\$21.50	
<b>Subtotal</b>				\$202.78	\$202.78	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
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						
2-4-D	1.25	pounds	\$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)	2	irrigations				
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	-	share	\$10.00	\$0.00	\$0.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	27	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	80.0	bushel	\$0.06	\$4.80	\$4.80	
Baling	0.50	tons	\$4.79	\$2.40	\$2.40	
Haul/stack straw	0.50	tons	\$3.63	\$1.82	\$1.82	
Crop insurance (75% Yield, 100% Price)	1	acre	\$8.22	\$8.22	\$8.22	
Interest on operating capital			7.61%	\$3.36	\$3.36	
<b>Subtotal</b>				\$187.09	\$188.66	
Ownership costs (excludes cost of land)				\$72.77	\$72.77	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$62.52	\$62.52	\$62.52	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$259.87	\$261.43	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$15.69	\$14.12	
Above total listed costs				-\$57.09	-\$58.65	

**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
65.00	-\$82.40	-\$49.90	-\$17.40	\$15.10	\$47.60
70.00	-\$76.37	-\$41.37	-\$6.37	\$28.63	\$63.63
75.00	-\$70.34	-\$32.84	\$4.66	\$42.16	\$79.66
80.00	-\$64.31	-\$24.31	\$15.69	\$55.69	\$95.69
85.00	-\$58.28	-\$15.78	\$26.72	\$69.22	\$111.72
90.00	-\$52.25	-\$7.25	\$37.75	\$82.75	\$127.75
95.00	-\$46.22	\$1.28	\$48.78	\$96.28	\$143.78

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.