

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Barley	82.3	bushels	\$2.27	\$186.49	\$186.49	
Straw	0.65	tons	\$43.00	\$27.95	\$27.95	
				\$214.44	\$214.44	
Operating costs						
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	90	pounds	\$0.17	\$15.30	\$15.30	
Fertilization						
Nitrogen (34-0-0)	235	pounds	\$0.18	\$41.95	\$41.95	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	1.00	pints	\$2.75	\$2.75	\$2.75	
Puma	0.67	pints	\$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	\$10.00	\$10.00	\$10.00	
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)	82.3	bushel	\$0.06	\$4.94	\$4.94	
Baling	0.65	tons	\$4.79	\$3.11	\$3.11	
Haul/stack straw	0.65	tons	\$3.63	\$2.36	\$2.36	
Crop insurance (75% Yield, 100% Price)	1	acre	\$7.81	\$7.81	\$7.81	
Interest on operating capital			7.61%	\$4.01	\$4.03	
				\$179.44	\$180.49	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$72.54	\$72.54	\$72.54	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$262.23	\$263.28	
Total costs						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$35.00	\$33.95	
Above total listed costs				-\$47.79	-\$48.84	

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
67.30	-\$65.39	-\$31.74	\$1.91	\$35.56	\$69.21
72.30	-\$59.36	-\$23.21	\$12.94	\$49.09	\$85.24
77.30	-\$53.33	-\$14.68	\$23.97	\$62.62	\$101.27
82.30	-\$47.30	-\$6.15	\$35.00	\$76.15	\$117.30
87.30	-\$41.27	\$2.38	\$46.03	\$89.68	\$133.33
92.30	-\$35.24	\$10.91	\$57.06	\$103.21	\$149.36
97.30	-\$29.21	\$19.44	\$68.09	\$116.74	\$165.39

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.