

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Barley	72.0	bushels	\$2.27	\$163.15	\$163.15	
Straw	0.65	tons	\$43.00	\$27.95	\$27.95	
<b>Subtotal</b>				\$191.10	\$191.10	
<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						
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
Puma	-	pints	\$25.00	\$0.00	\$0.00	
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	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	26	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	72.0	bushel	\$0.06	\$4.32	\$4.32	
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	\$5.65	\$5.65	\$5.65	
Interest on operating capital			7.61%	\$3.26	\$3.26	
<b>Subtotal</b>				\$179.04	\$180.26	
Ownership costs (excludes cost of land)				\$110.01	\$110.01	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$99.76	\$99.76	\$99.76	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$289.05	\$290.26	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$12.06	\$10.85	
Above total listed costs				-\$97.95	-\$99.16	

**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
57.00	-\$78.03	-\$49.53	-\$21.03	\$7.47	\$35.97
62.00	-\$72.00	-\$41.00	-\$10.00	\$21.00	\$52.00
67.00	-\$65.97	-\$32.47	\$1.03	\$34.53	\$68.03
72.00	-\$59.94	-\$23.94	\$12.06	\$48.06	\$84.06
77.00	-\$53.91	-\$15.41	\$23.09	\$61.59	\$100.09
82.00	-\$47.88	-\$6.88	\$34.12	\$75.12	\$116.12
87.00	-\$41.85	\$1.65	\$45.15	\$88.65	\$132.15

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.