

Costs and Returns per acre from growing barley, 2006
Uintah County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Barley	85.0	bushels	\$2.27	\$192.61	\$192.61	
Straw	0.70	tons	\$43.00	\$30.10	\$30.10	
Residue	1.00	AUM	\$11.53	\$11.53	\$11.53	
	Subtotal			\$234.24	\$234.24	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Field cultivator	1	acre	\$3.64	\$3.64	\$3.64	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (46-0-0)	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)						
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	28	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	85.0	bushel	\$0.06	\$5.10	\$5.10	
Baling	0.70	tons	\$4.79	\$3.35	\$3.35	
Haul/stack straw	0.70	tons	\$3.63	\$2.54	\$2.54	
Crop insurance (75% Yield, 100% Price)	1	acre	\$6.28	\$6.28	\$6.28	
Interest on operating capital			7.61%	\$3.44	\$3.44	
	Subtotal			\$190.76	\$191.61	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$122.96	\$122.96	\$122.96	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$323.97	\$324.82	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$43.49	\$42.64	
Above total listed costs				-\$89.72	-\$90.57	

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
70.00	-\$59.60	-\$24.60	\$10.40	\$45.40	\$80.40
75.00	-\$53.57	-\$16.07	\$21.43	\$58.93	\$96.43
80.00	-\$47.54	-\$7.54	\$32.46	\$72.46	\$112.46
85.00	-\$41.51	\$0.99	\$43.49	\$85.99	\$128.49
90.00	-\$35.48	\$9.52	\$54.52	\$99.52	\$144.52
95.00	-\$29.45	\$18.05	\$65.55	\$113.05	\$160.55
100.00	-\$23.42	\$26.58	\$76.58	\$126.58	\$176.58

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.