

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Barley	82.0	bushels	\$2.27	\$185.81	\$185.81	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
Subtotal				\$218.06	\$218.06	
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	100	lb	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	205	lb	\$0.18	\$36.59	\$36.59	
Phosphate (11-52-0)	48	lb	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)	4	irrigations				
Labor	1.33	hours	\$10.00	\$13.33	\$13.33	
Water assessment	1	share	\$2.20	\$2.20	\$2.20	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	27	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	82.0	bushel	\$0.06	\$4.92	\$4.92	
Baling	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	\$8.22	\$8.22	\$8.22	
Interest on operating capital			7.61%	\$3.90	\$3.90	
Subtotal				\$168.28	\$168.95	
Ownership costs (excludes cost of land)				\$121.64	\$121.64	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$111.39	\$111.39	\$111.39	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$289.93	\$290.60	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$49.78	\$49.11	
Above total listed costs				-\$71.87	-\$72.54	

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
67.00	-\$50.31	-\$16.81	\$16.69	\$50.19	\$83.69
72.00	-\$44.28	-\$8.28	\$27.72	\$63.72	\$99.72
77.00	-\$38.25	\$0.25	\$38.75	\$77.25	\$115.75
82.00	-\$32.22	\$8.78	\$49.78	\$90.78	\$131.78
87.00	-\$26.19	\$17.31	\$60.81	\$104.31	\$147.81
92.00	-\$20.16	\$25.84	\$71.84	\$117.84	\$163.84
97.00	-\$14.13	\$34.37	\$82.87	\$131.37	\$179.87

Assumptions

1. Grain planted in April and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/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.