

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Barley	82.0	bushels	\$2.27	\$185.81	\$185.81	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
<b>Subtotal</b>				\$218.06	\$218.06	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	2	acre	\$3.73	\$7.47	\$7.47	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
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	pounds	\$0.18	\$36.59	\$36.59	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	1.25	pints	\$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%	\$4.35	\$4.35	
<b>Subtotal</b>				\$175.81	\$176.48	
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	
<b>Total costs</b>				\$297.46	\$298.13	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$42.25	\$41.58	
Above total listed costs				-\$79.39	-\$80.06	

**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	-\$57.84	-\$24.34	\$9.16	\$42.66	\$76.16
72.00	-\$51.81	-\$15.81	\$20.19	\$56.19	\$92.19
77.00	-\$45.78	-\$7.28	\$31.22	\$69.72	\$108.22
82.00	-\$39.75	\$1.25	\$42.25	\$83.25	\$124.25
87.00	-\$33.72	\$9.78	\$53.28	\$96.78	\$140.28
92.00	-\$27.69	\$18.31	\$64.31	\$110.31	\$156.31
97.00	-\$21.66	\$26.84	\$75.34	\$123.84	\$172.34

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.