

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Barley	83.7	bushels	\$2.27	\$190.00	\$190.00	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
<b>Subtotal</b>				\$222.25	\$222.25	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Discing	1	acre	\$11.56	\$11.56	\$11.56	
Land plane	2	acre	\$11.50	\$23.00	\$23.00	
Roller harrow	2	acre	\$14.33	\$28.66	\$28.66	
Planting	1	acre	\$12.21	\$12.21	\$12.21	
Seed	90	pounds	\$0.17	\$15.30	\$15.30	
Fertilization						
Nitrogen (34-0-0)	220	pounds	\$0.18	\$39.27	\$39.27	
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	
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	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	24	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	83.7	bushel	\$0.06	\$5.02	\$5.02	
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	\$4.90	\$4.90	\$4.90	
Interest on operating capital			7.61%	\$6.05	\$6.05	
<b>Subtotal</b>				\$252.68	\$263.64	
Ownership costs (excludes cost of land)				\$73.95	\$73.95	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$63.70	\$63.70	\$63.70	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$326.63	\$337.59	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$30.43	-\$41.39	
Above total costs				-\$104.38	-\$115.34	

**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
68.70	-\$132.28	-\$97.93	-\$63.58	-\$29.23	\$5.12
73.70	-\$126.23	-\$89.38	-\$52.53	-\$15.68	\$21.17
78.70	-\$120.18	-\$80.83	-\$41.48	-\$2.13	\$37.22
83.70	-\$114.13	-\$72.28	<b>-\$30.43</b>	\$11.42	\$53.27
88.70	-\$108.08	-\$63.73	-\$19.38	\$24.97	\$69.32
93.70	-\$102.03	-\$55.18	-\$8.33	\$38.52	\$85.37
98.70	-\$95.98	-\$46.63	\$2.72	\$52.07	\$101.42

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. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.