

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

Modify Colored Columns

**Davis County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Barley	98.2	bushels	\$2.27	\$222.52	\$222.52	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
	<b>Subtotal</b>			\$254.77	\$254.77	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
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)	278	pounds	\$0.20	\$55.60	\$55.60	
Phosphate (11-52-0)	48	pounds	\$0.20	\$9.60	\$9.60	
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	0.67	pints	\$25.00	\$16.75	\$16.75	
Furadan	1.00	acre	\$10.00	\$10.00	\$10.00	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)						
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	22	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$35.00	\$35.00	\$35.00	
Haul grain (custom)	98.2	bushel	\$0.08	\$7.86	\$7.86	
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	\$4.55	\$4.55	\$4.55	
Interest on operating capital			7.61%	\$3.73	\$3.73	
	<b>Subtotal</b>			\$220.36	\$220.36	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$85.97	\$85.97	\$85.97	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$316.59	\$316.59	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$34.41	\$34.41	
Above total listed costs				-\$61.82	-\$61.82	

**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
83.20	-\$81.58	-\$39.98	\$1.62	\$43.22	\$84.82
88.20	-\$75.65	-\$31.55	\$12.55	\$56.65	\$100.75
93.20	-\$69.72	-\$23.12	\$23.48	\$70.08	\$116.68
98.20	-\$63.79	-\$14.69	\$34.41	\$83.51	\$132.61
103.20	-\$57.86	-\$6.26	\$45.34	\$96.94	\$148.54
108.20	-\$51.93	\$2.17	\$56.27	\$110.37	\$164.47
113.20	-\$46.00	\$10.60	\$67.20	\$123.80	\$180.40

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/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.