

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Barley	95.0	bushels	\$2.50	\$237.50	\$237.50	
Straw	0.65	tons	\$43.00	\$27.95	\$27.95	
	Subtotal			\$265.45	\$265.45	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Roller harrow	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 (34-0-0)	300	pounds	\$0.18	\$53.55	\$53.55	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
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	0.67	pint	\$25.00	\$16.75	\$16.75	
Lorsban	0.75	pint	\$4.85	\$3.64	\$3.64	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
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	\$28.00	\$28.00	\$28.00	
Haul grain (custom)	95.0	bushel	\$0.08	\$7.60	\$7.60	
Baling	0.65	tons	\$4.79	\$3.11	\$3.11	
Haul/stack straw	0.65	tons	\$3.63	\$2.36	\$2.36	
Crop insurance (75% Yield, 100% Price)	1	acre	\$5.82	\$5.82	\$5.82	
Interest on operating capital			7.61%	\$3.52	\$3.52	
	Subtotal			\$198.96	\$198.96	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$64.65	\$64.65	\$64.65	
Irrigation equipment	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$273.86	\$273.86	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$66.49	\$66.49	
Above total listed costs				-\$8.41	-\$8.41	

Breakeven Table - Barley

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50
80.00	-\$49.81	-\$9.81	\$30.19	\$70.19	\$110.19
85.00	-\$42.71	-\$0.21	\$42.29	\$84.79	\$127.29
90.00	-\$35.61	\$9.39	\$54.39	\$99.39	\$144.39
95.00	-\$28.51	\$18.99	\$66.49	\$113.99	\$161.49
100.00	-\$21.41	\$28.59	\$78.59	\$128.59	\$178.59
105.00	-\$14.31	\$38.19	\$90.69	\$143.19	\$195.69
110.00	-\$7.21	\$47.79	\$102.79	\$157.79	\$212.79

Assumptions

1. Grain planted in late April 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.