

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Barley	83.0	bushels	\$2.27	\$188.08	\$188.08	
Straw	0.90	tons	\$43.00	\$38.70	\$38.70	
<b>Subtotal</b>				\$226.78	\$226.78	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing w/ harrow	2	acre	\$3.73	\$7.47	\$7.47	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	278	pounds	\$0.18	\$49.62	\$49.62	
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	pint	\$2.75	\$3.44	\$3.44	
Puma	0.67	pint	\$25.00	\$16.75	\$16.75	
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	\$10.00	\$10.00	\$10.00	
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)	83.0	bushel	\$0.06	\$4.98	\$4.98	
Baling	0.90	tons	\$4.79	\$4.31	\$4.31	
Haul/stack straw	0.90	tons	\$3.63	\$3.27	\$3.27	
Crop insurance (75% Yield, 100% Price)	1	acre	\$6.41	\$6.41	\$6.41	
Interest on operating capital			7.61%	\$3.54	\$3.54	
<b>Subtotal</b>				\$201.48	\$201.61	
Ownership costs (excludes cost of land)				\$141.92	\$141.92	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$131.67	\$131.67	\$131.67	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$343.40	\$343.53	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$25.30	\$25.17	
Above total listed costs				-\$116.62	-\$116.75	

**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
68.00	-\$75.79	-\$41.79	-\$7.79	\$26.21	\$60.21
73.00	-\$69.76	-\$33.26	\$3.24	\$39.74	\$76.24
78.00	-\$63.73	-\$24.73	\$14.27	\$53.27	\$92.27
83.00	-\$57.70	-\$16.20	\$25.30	\$66.80	\$108.30
88.00	-\$51.67	-\$7.67	\$36.33	\$80.33	\$124.33
93.00	-\$45.64	\$0.86	\$47.36	\$93.86	\$140.36
98.00	-\$39.61	\$9.39	\$58.39	\$107.39	\$156.39

Assumptions

1. Grain planted in mid 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.