

**Costs and Returns per acre from growing barley, 2006
Millard County - Delta**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Barley	88.0	bushels	\$2.27	\$199.41	\$199.41	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
	Subtotal			\$231.66	\$231.66	
Operating costs						
Land preparation						
Ripping	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	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	241	pounds	\$0.18	\$43.02	\$43.02	
Phosphate (11-52-0)	163	pounds	\$0.18	\$29.10	\$29.10	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2,4-D	1.50	pint	\$2.75	\$4.12	\$4.12	
Sevin XLR Plus	1.00	quart	\$4.10	\$4.10	\$4.10	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (flood)						
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$20.00	\$20.00	\$20.00	
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	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	88.0	bushel	\$0.06	\$5.28	\$5.28	
Harvesting straw						
Swathing	1	acre	\$4.03	\$4.03	\$4.03	
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	\$10.14	\$10.14	\$10.14	
Interest on operating capital			7.61%	\$3.77	\$3.77	
	Subtotal			\$217.15	\$217.82	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$61.17	\$61.17	\$61.17	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$288.57	\$289.24	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$14.51	\$13.84	
Above total listed costs				-\$56.91	-\$57.58	

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
73.00	-\$91.58	-\$55.08	-\$18.58	\$17.92	\$54.42
78.00	-\$85.55	-\$46.55	-\$7.55	\$31.45	\$70.45
83.00	-\$79.52	-\$38.02	\$3.48	\$44.98	\$86.48
88.00	-\$73.49	-\$29.49	\$14.51	\$58.51	\$102.51
93.00	-\$67.46	-\$20.96	\$25.54	\$72.04	\$118.54
98.00	-\$61.43	-\$12.43	\$36.57	\$85.57	\$134.57
103.00	-\$55.40	-\$3.90	\$47.60	\$99.10	\$150.60

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. 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.