

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

	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 - Roller harrow	1	acre	\$3.64	\$3.64	\$3.64	
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	1.25	pints	\$2.75	\$3.44	\$3.44	
Sevin XLR Plus	1.0	quart	\$4.10	\$4.10	\$4.10	
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	-	share	\$20.00	\$0.00	\$0.00	
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%	\$3.11	\$3.11	
	Subtotal			\$188.62	\$189.29	
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			\$260.04	\$260.71	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$43.04	\$42.37	
Above total listed costs				-\$28.38	-\$29.05	

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	-\$63.05	-\$26.55	\$9.95	\$46.45	\$82.95
78.00	-\$57.02	-\$18.02	\$20.98	\$59.98	\$98.98
83.00	-\$50.99	-\$9.49	\$32.01	\$73.51	\$115.01
88.00	-\$44.96	-\$0.96	\$43.04	\$87.04	\$131.04
93.00	-\$38.93	\$7.57	\$54.07	\$100.57	\$147.07
98.00	-\$32.90	\$16.10	\$65.10	\$114.10	\$163.10
103.00	-\$26.87	\$24.63	\$76.13	\$127.63	\$179.13

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.