

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

Receipts	Quantity		Price/cost per unit	Value/cost per acre	Base Value	Your Value
	per acre	Unit				
Oats	92.5	bushels	\$2.13	\$197.33	\$197.33	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
	Subtotal			\$229.58	\$229.58	
Operating costs						
Land preparation						
Discing	2	acre	\$3.73	\$7.47	\$7.47	
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)	205	pounds	\$0.18	\$36.59	\$36.59	
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	1.50	pint	\$2.75	\$4.12	\$4.12	
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	\$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						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	92.5	bushel	\$0.06	\$5.55	\$5.55	
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	\$5.12	\$5.12	\$5.12	
Interest on operating capital			7.61%	\$2.70	\$2.70	
	Subtotal			\$181.35	\$182.02	
Ownership costs (excludes cost of land)				\$74.40	\$74.40	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$64.15	\$64.15	\$64.15	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$255.75	\$256.42	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$48.23	\$47.56	
Above total listed costs				-\$26.17	-\$26.84	

Breakeven Table - Oats

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.13	\$1.63	\$2.13	\$2.63	\$3.13
77.50	-\$60.37	-\$21.62	\$17.13	\$55.88	\$94.63
82.50	-\$55.00	-\$13.75	\$27.50	\$68.75	\$110.00
87.50	-\$49.63	-\$5.88	\$37.87	\$81.62	\$125.37
92.50	-\$44.27	\$1.98	\$48.23	\$94.48	\$140.73
97.50	-\$38.90	\$9.85	\$58.60	\$107.35	\$156.10
102.50	-\$33.53	\$17.72	\$68.97	\$120.22	\$171.47
107.50	-\$28.17	\$25.58	\$79.33	\$133.08	\$186.83

Assumptions

1. Grain planted in late April and harvested in July.
2. Interest computed on land preparation and planting costs for 4 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.

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