

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oats	92.5	bushels	\$2.13	\$197.33	\$197.33	
Straw	0.75	tons	\$43.00	\$32.25	\$32.25	
				\$229.58	\$229.58	
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	80	pounds	\$0.17	\$13.60	\$13.60	
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	-	pint	\$2.75	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
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	\$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%	\$2.40	\$2.40	
				\$164.63	\$154.28	
Subtotal						
Ownership costs (excludes cost of land)						
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	
				\$74.40	\$74.40	
				\$239.03	\$228.68	
Total costs						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$64.96	\$75.30	
Above total listed costs				-\$9.45	\$0.90	

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	-\$43.64	-\$4.89	\$33.86	\$72.61	\$111.36
82.50	-\$38.28	\$2.97	\$44.22	\$85.47	\$126.72
87.50	-\$32.91	\$10.84	\$54.59	\$98.34	\$142.09
92.50	-\$27.54	\$18.71	\$64.96	\$111.21	\$157.46
97.50	-\$22.18	\$26.57	\$75.32	\$124.07	\$172.82
102.50	-\$16.81	\$34.44	\$85.69	\$136.94	\$188.19
107.50	-\$11.44	\$42.31	\$96.06	\$149.81	\$203.56

Assumptions

1. Grain planted in late March 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.