

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oats	100.7	bushels	\$2.13	\$214.83	\$214.83	
Straw	0.80	tons	\$43.00	\$34.40	\$34.40	
Subtotal				\$249.23	\$249.23	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	70	pounds	\$0.17	\$11.90	\$11.90	
Fertilization						
Nitrogen (34-0-0)	221	pounds	\$0.18	\$39.45	\$39.45	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)	2	irrigations				
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	26	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	100.7	bushel	\$0.06	\$6.04	\$6.04	
Baling	0.80	tons	\$4.79	\$3.83	\$3.83	
Haul/stack straw	0.80	tons	\$3.63	\$2.90	\$2.90	
Interest on operating capital			7.61%	\$3.91	\$3.91	
Subtotal				\$158.63	\$159.12	
Ownership costs (excludes cost of land)				\$193.02	\$193.02	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$182.77	\$182.77	\$182.77	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$351.65	\$352.14	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$90.60	\$90.11	
Above total listed costs				-\$102.42	-\$102.91	

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
85.70	-\$26.20	\$16.65	\$59.50	\$102.35	\$145.20
90.70	-\$20.83	\$24.52	\$69.87	\$115.22	\$160.57
95.70	-\$15.47	\$32.38	\$80.23	\$128.08	\$175.93
100.70	-\$10.10	\$40.25	\$90.60	\$140.95	\$191.30
105.70	-\$4.73	\$48.12	\$100.97	\$153.82	\$206.67
110.70	\$0.63	\$55.98	\$111.33	\$166.68	\$222.03
115.70	\$6.00	\$63.85	\$121.70	\$179.55	\$237.40

Assumptions

1. Grain planted in March and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and fertilization, herbicide and 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.