

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oats	92.2	bushels	\$2.13	\$196.69	\$196.69	
Straw	0.80	tons	\$43.00	\$34.40	\$34.40	
Subtotal				\$231.09	\$231.09	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
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)	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	1.25	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	2	acre feet	\$3.00	\$6.00	\$6.00	
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)	92.2	bushel	\$0.06	\$5.53	\$5.53	
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%	\$3.73	\$3.73	
Subtotal				\$156.31	\$168.00	
Ownership costs (excludes cost of land)				\$85.92	\$85.92	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$75.67	\$75.67	\$75.67	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$242.23	\$253.93	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$74.79	\$63.09	
Above total listed costs				-\$11.14	-\$22.83	

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
77.20	-\$33.51	\$5.09	\$43.69	\$82.29	\$120.89
82.20	-\$28.15	\$12.95	\$54.05	\$95.15	\$136.25
87.20	-\$22.78	\$20.82	\$64.42	\$108.02	\$151.62
92.20	-\$17.41	\$28.69	\$74.79	\$120.89	\$166.99
97.20	-\$12.05	\$36.55	\$85.15	\$133.75	\$182.35
102.20	-\$6.68	\$44.42	\$95.52	\$146.62	\$197.72
107.20	-\$1.31	\$52.29	\$105.89	\$159.49	\$213.09

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/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.
6. Custom rates on all harvest operations.