

Costs and Returns per acre from growing oats, 2006
Iron County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oats	96.5	bushels	\$2.13	\$205.87	\$205.87	
Straw	0.80	tons	\$43.00	\$34.40	\$34.40	
Subtotal				\$240.27	\$240.27	
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)	96.5	bushel	\$0.06	\$5.79	\$5.79	
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				\$158.38	\$158.87	
Ownership costs (excludes cost of land)				\$76.50	\$76.50	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$66.25	\$66.25	\$66.25	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$234.88	\$235.37	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$81.89	\$81.40	
Above total listed costs				\$5.39	\$4.90	

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
81.50	-\$30.71	\$10.04	\$50.79	\$91.54	\$132.29
86.50	-\$25.34	\$17.91	\$61.16	\$104.41	\$147.66
91.50	-\$19.98	\$25.77	\$71.52	\$117.27	\$163.02
96.50	-\$14.61	\$33.64	\$81.89	\$130.14	\$178.39
101.50	-\$9.24	\$41.51	\$92.26	\$143.01	\$193.76
106.50	-\$3.88	\$49.37	\$102.62	\$155.87	\$209.12
111.50	\$1.49	\$57.24	\$112.99	\$168.74	\$224.49

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.