

**Costs and Returns per acre from growing oats, 2005
 Box Elder County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oats	100.0	bushels	\$2.13	\$213.33	\$213.33	
Straw	0.60	tons	\$43.00	\$25.80	\$25.80	
				\$239.13	\$239.13	
Operating costs						
Land preparation						
Plowing (every 3rd year)	1/3	acre	\$5.88	\$1.96	\$1.96	
Discing w/ packer	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
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	pints	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)						
Labor	1.00	hours	\$10.00	\$10.00	\$10.00	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	-	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	100.0	bushel	\$0.06	\$6.00	\$6.00	
Baling	0.60	tons	\$4.79	\$2.87	\$2.87	
Haul/stack straw	0.60	tons	\$3.63	\$2.18	\$2.18	
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.84	\$4.84	\$4.84	
Interest on operating capital			7.61%	\$3.37	\$3.37	
				\$159.05	\$159.53	
Subtotal						
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$50.62	\$50.62	\$50.62	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$219.92	\$220.40	
Total costs						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$80.09	\$79.60	
Above total listed costs				\$19.21	\$18.73	

Breakeven Table - Oats

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.63	\$1.88	\$2.13	\$2.38	\$2.63
85.00	\$6.49	\$27.74	\$48.99	\$70.24	\$91.49
90.00	\$14.35	\$36.85	\$59.35	\$81.85	\$104.35
95.00	\$22.22	\$45.97	\$69.72	\$93.47	\$117.22
100.00	\$30.09	\$55.09	\$80.09	\$105.09	\$130.09
105.00	\$37.95	\$64.20	\$90.45	\$116.70	\$142.95
110.00	\$45.82	\$73.32	\$100.82	\$128.32	\$155.82
115.00	\$53.69	\$82.44	\$111.19	\$139.94	\$168.69

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.

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