

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oats	60.0	bushels	\$2.13	\$128.00	\$128.00	
Straw	0.70	tons	\$43.00	\$30.10	\$30.10	
				\$158.10	\$158.10	
Subtotal						
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Roller harrow	1	acre	\$3.64	\$3.64	\$3.64	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	70	pounds	\$0.17	\$11.90	\$11.90	
Fertilization						
Nitrogen (34-0-0)	249	pounds	\$0.18	\$44.45	\$44.45	
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	1	share	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	25	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	60.0	bushel	\$0.06	\$3.60	\$3.60	
Baling	0.70	tons	\$4.79	\$3.35	\$3.35	
Haul/stack straw	0.70	tons	\$3.63	\$2.54	\$2.54	
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.90	\$4.90	\$4.90	
Interest on operating capital				7.61%	\$3.61	\$3.61
					\$168.18	\$169.03
Subtotal						
Ownership costs (excludes cost of land)					\$65.85	\$65.85
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$55.60	\$55.60	\$55.60	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
					\$234.03	\$234.88
Total costs						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs					-\$10.08	-\$10.93
Above total listed costs					-\$75.93	-\$76.78

Break-even 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
45.00	-\$86.18	-\$63.68	-\$41.18	-\$18.68	\$3.82
50.00	-\$80.82	-\$55.82	-\$30.82	-\$5.82	\$19.18
55.00	-\$75.45	-\$47.95	-\$20.45	\$7.05	\$34.55
60.00	-\$70.08	-\$40.08	-\$10.08	\$19.92	\$49.92
65.00	-\$64.72	-\$32.22	\$0.28	\$32.78	\$65.28
70.00	-\$59.35	-\$24.35	\$10.65	\$45.65	\$80.65
75.00	-\$53.98	-\$16.48	\$21.02	\$58.52	\$96.02

Assumptions

1. Grain planted in late 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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