

Costs and Returns per acre from growing oats, 2006

Utah County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oats	96.7	bushels	\$2.13	\$206.29	\$206.29	
Straw	0.70	tons	\$43.00	\$30.10	\$30.10	
				\$236.39	\$236.39	
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	80	pounds	\$0.17	\$13.60	\$13.60	
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	2.33	pints	\$2.75	\$6.41	\$6.41	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
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	24	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	96.7	bushel	\$0.06	\$5.80	\$5.80	
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	\$4.81	\$4.81	\$4.81	
Interest on operating capital			7.61%	\$3.97	\$3.97	
				\$169.46	\$170.30	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$95.15	\$95.15	\$95.15	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$274.86	\$275.71	
Total costs						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$66.94	\$66.09	
Above total costs				-\$38.46	-\$39.31	

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
81.70	-\$45.86	-\$5.01	\$35.84	\$76.69	\$117.54
86.70	-\$40.50	\$2.85	\$46.20	\$89.55	\$132.90
91.70	-\$35.13	\$10.72	\$56.57	\$102.42	\$148.27
96.70	-\$29.76	\$18.59	\$66.94	\$115.29	\$163.64
101.70	-\$24.40	\$26.45	\$77.30	\$128.15	\$179.00
106.70	-\$19.03	\$34.32	\$87.67	\$141.02	\$194.37
111.70	-\$13.66	\$42.19	\$98.04	\$153.89	\$209.74

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.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Dean Miner