

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oats	76.5	bushels	\$2.13	\$163.20	\$163.20	
Straw	0.68	tons	\$43.00	\$29.24	\$29.24	
				\$192.44	\$192.44	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
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 (wheel line)						
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$30.00	\$30.00	\$30.00	
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)	76.5	bushel	\$0.06	\$4.59	\$4.59	
Baling	0.68	tons	\$4.79	\$3.26	\$3.26	
Haul/stack straw	0.68	tons	\$3.63	\$2.47	\$2.47	
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.60	\$4.60	\$4.60	
Interest on operating capital			7.61%	\$4.19	\$4.19	
				\$183.41	\$184.33	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership cost	1	acre	\$58.83	\$58.83	\$58.83	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$252.49	\$253.42	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$9.03	\$8.11	
Above total listed costs				-\$60.05	-\$60.98	

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
61.50	-\$83.57	-\$52.82	-\$22.07	\$8.68	\$39.43
66.50	-\$78.21	-\$44.96	-\$11.71	\$21.54	\$54.79
71.50	-\$72.84	-\$37.09	-\$1.34	\$34.41	\$70.16
76.50	-\$67.47	-\$29.22	\$9.03	\$47.28	\$85.53
81.50	-\$62.11	-\$21.36	\$19.39	\$60.14	\$100.89
86.50	-\$56.74	-\$13.49	\$29.76	\$73.01	\$116.26
91.50	-\$51.37	-\$5.62	\$40.13	\$85.88	\$131.63

Assumptions

1. Grain planted in late September 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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