

**Costs and Returns per acre from growing oats, 2006
 Duchesne County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oats	89.7	bushels	\$2.13	\$191.36	\$191.36	
Straw	0.80	tons	\$43.00	\$34.40	\$34.40	
Subtotal				\$225.76	\$225.76	
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)						
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)	89.7	bushel	\$0.06	\$5.38	\$5.38	
Baling	0.80	tons	\$4.79	\$3.83	\$3.83	
Haul/stack straw	0.80	tons	\$3.63	\$2.90	\$2.90	
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.49	\$4.49	\$4.49	
Interest on operating capital			7.61%	\$3.91	\$3.91	
Subtotal				\$162.46	\$162.95	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$107.94	\$107.94	\$107.94	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$280.65	\$281.14	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$63.30	\$62.81	
Above total listed costs				-\$54.89	-\$55.38	

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
74.70	-\$42.50	-\$5.15	\$32.20	\$69.55	\$106.90
79.70	-\$37.13	\$2.72	\$42.57	\$82.42	\$122.27
84.70	-\$31.76	\$10.59	\$52.94	\$95.29	\$137.64
89.70	-\$26.40	\$18.45	\$63.30	\$108.15	\$153.00
94.70	-\$21.03	\$26.32	\$73.67	\$121.02	\$168.37
99.70	-\$15.66	\$34.19	\$84.04	\$133.89	\$183.74
104.70	-\$10.30	\$42.05	\$94.40	\$146.75	\$199.10

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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