

**Costs and Returns per acre from growing irrigated oats, 2006  
North Sanpete County**

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base value
Oats	78.7	bushels	\$2.13	\$167.89	\$167.89
Straw	0.63	tons	\$43.00	\$27.09	\$27.09
<b>Subtotal</b>				\$194.98	\$194.98
<b>Operating costs</b>					
Land preparation					
Plowing	1	acre	\$5.88	\$5.88	\$5.88
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)	141	pounds	\$0.18	\$25.17	\$25.17
Phosphate (11-52-0)	19	pounds	\$0.18	\$3.39	\$3.39
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	\$2.20	\$2.20	\$2.20
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30
Pumping	27	acre inch	\$0.00	\$0.00	\$0.00
Harvesting					
Combining	1	acre	\$26.00	\$26.00	\$26.00
Haul grain (custom)	78.7	bushel	\$0.06	\$4.72	\$4.72
Baling	0.63	tons	\$4.79	\$3.02	\$3.02
Haul/stack straw	0.63	tons	\$3.63	\$2.29	\$2.29
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.45	\$4.45	\$4.45
Interest on operating capital			7.61%	\$2.67	\$2.67
<b>Subtotal</b>				\$126.43	\$127.53
Ownership costs (excludes cost of land)				\$112.56	\$112.56
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00
Machinery ownership costs	1	acre	\$102.31	\$102.31	\$102.31
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25
<b>Total costs</b>				\$238.99	\$240.09
Net returns to owner for unpaid labor, management, equity and risk					
Above operating costs				\$68.55	\$67.45
Above total listed costs				-\$44.01	-\$45.11

**Breakeven Table - Oats**

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)			
	\$1.13	\$1.63	\$2.13	\$2.63
63.70	-\$26.25	\$5.60	\$37.45	\$69.30
68.70	-\$20.88	\$13.47	\$47.82	\$82.17
73.70	-\$15.52	\$21.33	\$58.18	\$95.03
78.70	-\$10.15	\$29.20	<b>\$68.55</b>	\$107.90
83.70	-\$4.78	\$37.07	\$78.92	\$120.77
88.70	\$0.58	\$44.93	\$89.28	\$133.63
93.70	\$5.95	\$52.80	\$99.65	\$146.50

Assumptions

1. Grain planted in April and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/irrigation costs
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 Matt Palmer

Your Value

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**\$3.13**

\$101.15  
\$116.52  
\$131.88  
\$147.25  
\$162.62  
\$177.98  
\$193.35

for 3 months.