

**Costs and Returns per acre from growing oat hay, 2006**  
**North Sanpete County**

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oat Hay	2.7	tons	\$67.67	\$182.70	\$182.70	\$182.70
<b>Subtotal</b>				\$182.70	\$182.70	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	lb	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	220	lb	\$0.18	\$39.27	\$39.27	
Phosphate (11-52-0)	48	lb	\$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	\$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						
Swathing	1	acre	\$4.03	\$4.03	\$4.03	
Turning/raking	1	acre	\$1.39	\$1.39	\$1.39	
Baling	2.70	tons	\$4.79	\$12.93	\$12.93	
Hauling/stacking	2.70	tons	\$3.63	\$9.80	\$9.80	
Interest on operating capital			7.61%	\$4.32	\$4.32	
<b>Subtotal</b>				\$147.42	\$137.84	
Ownership costs (excludes cost of land)				\$135.07	\$135.07	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$124.82	\$124.82	\$124.82	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$282.49	\$272.91	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$35.28	\$44.86	
Above total listed costs				-\$99.79	-\$90.21	

**Breakeven Table - Oat Hay**

Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$57.67	\$62.67	\$67.67	\$72.67	\$77.67
1.20	-\$65.59	-\$59.59	-\$53.59	-\$47.59	-\$41.59
1.70	-\$40.97	-\$32.47	-\$23.97	-\$15.47	-\$6.97
2.20	-\$16.34	-\$5.34	\$5.66	\$16.66	\$27.66
2.70	\$8.28	\$21.78	<b>\$35.28</b>	\$48.78	\$62.28
3.20	\$32.90	\$48.90	\$64.90	\$80.90	\$96.90
3.70	\$57.53	\$76.03	\$94.53	\$113.03	\$131.53
4.20	\$82.15	\$103.15	\$124.15	\$145.15	\$166.15

Assumptions

- Oat hay planted in April and harvested in July.
- Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/irrigation costs for 4 months.
- Machinery operating costs include: fuel, oil, repairs and labor.
- Machinery ownership costs are allocated based on equipment used for each crop.
- Machinery ownership costs include depreciation, interest, insurance, and housing.

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