

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Oat hay	1.8	tons	\$67.67	\$121.80	\$121.80	
Residue	0.50	AUM	\$11.53	\$5.77	\$5.77	
	<b>Subtotal</b>			\$127.57	\$127.57	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Discing w/ harrow	2	acre	\$11.56	\$23.12	\$23.12	
Planting	1	acre	\$12.21	\$12.21	\$12.21	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	132	pounds	\$0.18	\$23.56	\$23.56	
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	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	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	25	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	1	acre	\$15.56	\$15.56	\$15.56	
Raking/turning	1	acre	\$4.69	\$4.69	\$4.69	
Baling	1.80	tons	\$4.79	\$8.62	\$8.62	
Hauling/stacking	1.80	tons	\$3.63	\$6.53	\$6.53	
Interest on operating capital			7.61%	\$6.67	\$6.67	
	<b>Subtotal</b>			\$192.36	\$216.50	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$58.65	\$58.65	\$58.65	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$261.25	\$285.39	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$64.79	-\$88.93	
Above total listed costs				-\$133.69	-\$157.83	

**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
0.30	-\$156.66	-\$155.16	-\$153.66	-\$152.16	-\$150.66
0.80	-\$132.04	-\$128.04	-\$124.04	-\$120.04	-\$116.04
1.30	-\$107.42	-\$100.92	-\$94.42	-\$87.92	-\$81.42
1.80	-\$82.79	-\$73.79	-\$64.79	-\$55.79	-\$46.79
2.30	-\$58.17	-\$46.67	-\$35.17	-\$23.67	-\$12.17
2.80	-\$33.55	-\$19.55	-\$5.55	\$8.45	\$22.45
3.30	-\$8.92	\$7.58	\$24.08	\$40.58	\$57.08

Assumptions

1. Oats 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 4 months.
3. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

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