

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Oat hay	2.1	tons	\$67.67	\$142.10	\$142.10	
Residue	-	AUM	\$11.53	\$0.00	\$0.00	
	<b>Subtotal</b>			\$142.10	\$142.10	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Land plane	2	acre	\$11.50	\$23.00	\$23.00	
Disking	1	acre	\$11.56	\$11.56	\$11.56	
Planting	1	acre	\$12.21	\$12.21	\$12.21	
Seed	40	pounds	\$0.20	\$8.00	\$8.00	
Fertilization						
Nitrogen (34-0-0)	278	pounds	\$0.18	\$49.62	\$49.62	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Roundup Ultra	0.50	quart	\$6.32	\$3.16	\$3.16	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
Labor	1.00	hours	\$10.00	\$10.00	\$10.00	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	29	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	1	acre	\$15.56	\$15.56	\$15.56	
Turning/raking	1	acre	\$4.69	\$4.69	\$4.69	
Baling	2.10	tons	\$4.79	\$10.06	\$10.06	
Hauling/stacking	2.10	tons	\$3.63	\$7.62	\$7.62	
Interest on operating capital			7.61%	\$7.44	\$7.44	
	<b>Subtotal</b>			\$222.21	\$222.21	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$37.92	\$37.92	\$37.92	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$270.38	\$270.38	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$80.11	-\$80.11	
Above total listed costs				-\$128.28	-\$128.28	

**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
0.60	-\$174.98	-\$171.98	-\$168.98	-\$165.98	-\$162.98
1.10	-\$150.36	-\$144.86	-\$139.36	-\$133.86	-\$128.36
1.60	-\$125.73	-\$117.73	-\$109.73	-\$101.73	-\$93.73
2.10	-\$101.11	-\$90.61	-\$80.11	-\$69.61	-\$59.11
2.60	-\$76.49	-\$63.49	-\$50.49	-\$37.49	-\$24.49
3.10	-\$51.86	-\$36.36	-\$20.86	-\$5.36	\$10.14
3.60	-\$27.24	-\$9.24	\$8.76	\$26.76	\$44.76

Assumptions

1. Oats planted in April - May 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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