

**Costs and Returns per acre from growing oat hay, 2006
Garfield County - Tropic**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat hay	2.1	tons	\$67.67	\$142.10	\$142.10	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
				\$144.98	\$144.98	
Operating costs						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
roller harrow	2	acre	\$14.33	\$28.66	\$28.66	
Planting	1	acre	\$12.21	\$12.21	\$12.21	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	294	pounds	\$0.18	\$52.48	\$52.48	
Phosphate (11-52-0)	96	pounds	\$0.18	\$17.14	\$17.14	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	-	pint	\$2.75	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
Irrigation (wheel line)	4	irrigations				
Labor	1.33	hours	\$10.00	\$13.33	\$13.33	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	22	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	2	acre	\$15.56	\$31.12	\$31.12	
Turning/raking	2	acre	\$4.69	\$9.38	\$9.38	
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%	\$7.73	\$7.73	
				\$249.63	\$277.79	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$0.00	\$0.00	\$0.00	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$259.88	\$288.04	
Total costs						
				\$259.88	\$288.04	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs					-\$104.65	-\$132.81
Above total listed costs					-\$114.90	-\$143.06

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	-\$199.52	-\$196.52	-\$193.52	-\$190.52	-\$187.52
1.10	-\$174.89	-\$169.39	-\$163.89	-\$158.39	-\$152.89
1.60	-\$150.27	-\$142.27	-\$134.27	-\$126.27	-\$118.27
2.10	-\$125.65	-\$115.15	-\$104.65	-\$94.15	-\$83.65
2.60	-\$101.02	-\$88.02	-\$75.02	-\$62.02	-\$49.02
3.10	-\$76.40	-\$60.90	-\$45.40	-\$29.90	-\$14.40
3.60	-\$51.78	-\$33.78	-\$15.78	\$2.22	\$20.22

Assumptions

1. Oats planted in 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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