

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat hay	2.8	tons	\$67.67	\$189.47	\$189.47	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$189.47	\$189.47	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
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						
2, 4-D Lo V Ester 6 lb	1.00	pint	\$2.75	\$2.75	\$2.75	
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	27	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	1	acre	\$4.03	\$4.03	\$4.03	
Raking	1	acre	\$1.39	\$1.39	\$1.39	
Baling	2.80	tons	\$4.79	\$13.41	\$13.41	
Hauling/stacking	2.8	tons	\$3.63	\$10.16	\$10.16	
Interest on operating capital			7.61%	\$5.58	\$5.34	
	Subtotal			\$170.32	\$160.01	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$83.84	\$83.84	\$83.84	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$264.41	\$254.10	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$19.14	\$29.45	
Above total listed costs				-\$74.95	-\$64.64	

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
2.05	-\$45.79	-\$35.54	-\$25.29	-\$15.04	-\$4.79
2.30	-\$33.48	-\$21.98	-\$10.48	\$1.02	\$12.52
2.55	-\$21.17	-\$8.42	\$4.33	\$17.08	\$29.83
2.80	-\$8.86	\$5.14	\$19.14	\$33.14	\$47.14
3.05	\$3.45	\$18.70	\$33.95	\$49.20	\$64.45
3.30	\$15.77	\$32.27	\$48.77	\$65.27	\$81.77
3.55	\$28.08	\$45.83	\$63.58	\$81.33	\$99.08

Assumptions

- Oats planted in late March and harvested in July.
- Interest computed on land preparation and planting costs for 10 months and fertilization, herbicide and 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
- Machinery ownership costs include depreciation, interest, insurance, and housing.