

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

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	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat Hay	1.4	tons	\$67.67	\$94.73	\$94.73	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$94.73	\$94.73	
Operating costs						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Roller harrow	2	acre	\$14.33	\$28.66	\$28.66	
Discing	1	acre	\$11.56	\$11.56	\$11.56	
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	
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 (gated pipe)						
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$5.00	\$5.00	\$5.00	
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	
Raking/turning	1	acre	\$4.69	\$4.69	\$4.69	
Baling	1.40	tons	\$4.79	\$6.71	\$6.71	
Hauling/stacking	1.40	tons	\$3.63	\$5.08	\$5.08	
Interest on operating capital			7.61%	\$7.73	\$7.73	
	Subtotal			\$206.25	\$225.02	
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	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$216.50	\$235.27	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$111.51	-\$130.29	
Above total listed costs				-\$121.76	-\$140.54	

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
0.00	-\$194.46	-\$194.46	-\$194.46	-\$194.46	-\$194.46
0.40	-\$174.76	-\$172.76	-\$170.76	-\$168.76	-\$166.76
0.90	-\$150.14	-\$145.64	-\$141.14	-\$136.64	-\$132.14
1.40	-\$125.51	-\$118.51	-\$111.51	-\$104.51	-\$97.51
1.90	-\$100.89	-\$91.39	-\$81.89	-\$72.39	-\$62.89
2.40	-\$76.27	-\$64.27	-\$52.27	-\$40.27	-\$28.27
2.90	-\$51.64	-\$37.14	-\$22.64	-\$8.14	\$6.36

Assumptions

- Oats planted in late September and harvested in July.
- Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/irrigation costs for 4 months.
- Custom rates on all operations.
- Only owned machinery are a loader and truck.

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