

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

	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	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$142.10	\$142.10	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Field cultivator	1	acre	\$3.64	\$3.64	\$3.64	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen	-	pounds	\$0.18	\$0.00	\$0.00	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
Pesticides/herbicides						
2-4-D	-	pint	\$2.75	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
Irrigation (wheel line)						
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	34	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	1	acre	\$4.03	\$4.03	\$4.03	
Turning/raking	1	acre	\$1.39	\$1.39	\$1.39	
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%	\$2.13	\$2.13	
	Subtotal			\$90.76	\$84.06	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$146.06	\$146.06	\$146.06	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$247.07	\$240.37	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$51.34	\$58.04	
Above total listed costs				-\$104.97	-\$98.27	

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	-\$43.53	-\$40.53	-\$37.53	-\$34.53	-\$31.53
1.10	-\$18.91	-\$13.41	-\$7.91	-\$2.41	\$3.09
1.60	\$5.71	\$13.71	\$21.71	\$29.71	\$37.71
2.10	\$30.34	\$40.84	\$51.34	\$61.84	\$72.34
2.60	\$54.96	\$67.96	\$80.96	\$93.96	\$106.96
3.10	\$79.58	\$95.08	\$110.58	\$126.08	\$141.58
3.60	\$104.21	\$122.21	\$140.21	\$158.21	\$176.21

Assumptions

- Oats planted in late March and harvested in July.
- Interest computed on land preparation and planting costs for 6 months and fertilization/herbicide/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 crop.
- Machinery ownership costs include depreciation, interest, insurance, and housing.

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