

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat hay	1.8	tons	\$67.67	\$121.80	\$121.80	
Residue	0.00	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$121.80	\$121.80	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	70	pounds	\$0.17	\$11.90	\$11.90	
Fertilization						
Nitrogen (34-0-0)	205	pounds	\$0.18	\$36.59	\$36.59	
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	1.25	pint	\$2.75	\$3.44	\$3.44	
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	\$30.00	\$30.00	\$30.00	
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/turning	1	acre	\$1.39	\$1.39	\$1.39	
Baling	1.80	tons	\$4.79	\$8.62	\$8.62	
Hauling/stacking	1.80	tons	\$3.63	\$6.53	\$6.53	
Interest on operating capital			7.61%	\$4.93	\$4.93	
	Subtotal			\$167.15	\$161.88	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership cost	1	acre	\$76.13	\$76.13	\$76.13	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$253.53	\$248.26	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$45.35	-\$40.08	
Above total listed costs				-\$131.73	-\$126.46	

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
0.30	-\$137.22	-\$135.72	-\$134.22	-\$132.72	-\$131.22
0.80	-\$112.60	-\$108.60	-\$104.60	-\$100.60	-\$96.60
1.30	-\$87.97	-\$81.47	-\$74.97	-\$68.47	-\$61.97
1.80	-\$63.35	-\$54.35	-\$45.35	-\$36.35	-\$27.35
2.30	-\$38.73	-\$27.23	-\$15.73	-\$4.23	\$7.27
2.80	-\$14.10	-\$0.10	\$13.90	\$27.90	\$41.90
3.30	\$10.52	\$27.02	\$43.52	\$60.02	\$76.52

Assumptions

1. Oats planted in late September 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. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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