

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat hay	2.0	tons	\$67.67	\$135.33	\$135.33	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
Subtotal				\$138.22	\$138.22	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	90	pounds	\$0.17	\$15.30	\$15.30	
Fertilization						
Nitrogen (34-0-0)	147	pounds	\$0.18	\$26.24	\$26.24	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
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	25	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	2.00	tons	\$4.79	\$9.58	\$9.58	
Hauling/stacking	2.00	tons	\$3.63	\$7.26	\$7.26	
Interest on operating capital			7.61%	\$3.51	\$3.51	
Subtotal				\$131.72	\$158.53	
Ownership costs (excludes cost of land)				\$100.14	\$100.14	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$89.89	\$89.89	\$89.89	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$231.86	\$258.68	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$6.50	-\$20.32	
Above total listed costs				-\$93.64	-\$120.46	

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
0.50	-\$87.37	-\$84.87	-\$82.37	-\$79.87	-\$77.37
1.00	-\$62.75	-\$57.75	-\$52.75	-\$47.75	-\$42.75
1.50	-\$38.12	-\$30.62	-\$23.12	-\$15.62	-\$8.12
2.00	-\$13.50	-\$3.50	\$6.50	\$16.50	\$26.50
2.50	\$11.12	\$23.62	\$36.12	\$48.62	\$61.12
3.00	\$35.75	\$50.75	\$65.75	\$80.75	\$95.75
3.50	\$60.37	\$77.87	\$95.37	\$112.87	\$130.37

Assumptions

1. Oats planted in May and harvested in August.
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.
6. Custom rates on all harvest operations.