

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat hay	2.2	tons	\$67.67	\$148.87	\$148.87	
Residue	0.25	AUM	\$43.00	\$10.75	\$10.75	
				\$159.62	\$159.62	
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	70	pounds	\$0.17	\$11.90	\$11.90	
Fertilization						
Nitrogen (34-0-0)	249	pounds	\$0.18	\$44.45	\$44.45	
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	pints	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	33	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	2.20	tons	\$4.79	\$10.54	\$10.54	
Hauling/stacking	2.20	tons	\$3.63	\$7.99	\$7.99	
Interest on operating capital			7.61%	\$4.45	\$4.45	
				\$156.22	\$149.04	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$76.28	\$76.28	\$76.28	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$242.75	\$235.56	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$3.40	\$10.58	
Above total listed costs				-\$83.13	-\$75.95	

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
0.70	-\$92.47	-\$88.97	-\$85.47	-\$81.97	-\$78.47
1.20	-\$67.85	-\$61.85	-\$55.85	-\$49.85	-\$43.85
1.70	-\$43.23	-\$34.73	-\$26.23	-\$17.73	-\$9.23
2.20	-\$18.60	-\$7.60	\$3.40	\$14.40	\$25.40
2.70	\$6.02	\$19.52	\$33.02	\$46.52	\$60.02
3.20	\$30.64	\$46.64	\$62.64	\$78.64	\$94.64
3.70	\$55.27	\$73.77	\$92.27	\$110.77	\$129.27

Assumptions

- Oat hay planted in late March and harvested in July.
- Interest computed on land preparation and planting costs for 10 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.