

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Oat hay	2.8	tons	\$67.67	\$189.47	\$189.47	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	Subtotal			\$192.35	\$192.35	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	70	pounds	\$0.17	\$11.90	\$11.90	
Fertilization						
Nitrogen (46-0-0)	205	pounds	\$0.20	\$41.00	\$41.00	
Phosphate (11-52-0)	48	pounds	\$0.20	\$9.60	\$9.60	
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 (siphon)	2	irrigations				
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	22	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	2.80	tons	\$4.79	\$13.41	\$13.41	
Hauling/stacking	2.80	tons	\$3.63	\$10.16	\$10.16	
Interest on operating capital			7.61%	\$3.66	\$3.66	
	Subtotal			\$152.48	\$152.48	
Ownership costs (excludes cost of land)				\$140.44	\$140.44	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$130.19	\$130.19	\$130.19	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$292.92	\$292.92	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$39.87	\$39.87	
Above total listed costs				-\$100.57	-\$100.57	

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
1.40	-\$57.07	-\$50.07	-\$43.07	-\$36.07	-\$29.07
1.80	-\$37.37	-\$28.37	-\$19.37	-\$10.37	-\$1.37
2.30	-\$12.75	-\$1.25	\$10.25	\$21.75	\$33.25
2.80	\$11.87	\$25.87	\$39.87	\$53.87	\$67.87
3.30	\$36.50	\$53.00	\$69.50	\$86.00	\$102.50
3.80	\$61.12	\$80.12	\$99.12	\$118.12	\$137.12
4.30	\$85.74	\$107.24	\$128.74	\$150.24	\$171.74

Assumptions

- Oats 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 3 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.