

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oat hay	3.0	tons	\$75.00	\$225.00	\$225.00	\$225.00
Subtotal				\$225.00	\$225.00	
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	140	pounds	\$0.17	\$23.80	\$23.80	
Fertilization						
Nitrogen (34-0-0)	294	pounds	\$0.18	\$52.48	\$52.48	
Phosphate (11-52-0)	38	pounds	\$0.18	\$6.78	\$6.78	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (flood)	2	irrigations				
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$25.00	\$25.00	\$25.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	24	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	3.00	tons	\$4.79	\$14.37	\$14.37	
Hauling/stacking	3.00	tons	\$3.63	\$10.89	\$10.89	
Interest on operating capital			7.61%	\$4.45	\$4.45	
Subtotal				\$176.11	\$176.11	
Ownership costs (excludes cost of land)				\$223.79	\$223.79	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$213.54	\$213.54	\$213.54	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$399.91	\$399.91	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$48.89	\$48.89	
Above total listed costs				-\$174.91	-\$174.91	

Breakeven Table - Oat Hay
 Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$65.00	\$70.00	\$75.00	\$80.00	\$85.00
1.50	-\$65.98	-\$58.48	-\$50.98	-\$43.48	-\$35.98
2.00	-\$37.69	-\$27.69	-\$17.69	-\$7.69	\$2.31
2.50	-\$9.40	\$3.10	\$15.60	\$28.10	\$40.60
3.00	\$18.89	\$33.89	\$48.89	\$63.89	\$78.89
3.50	\$47.18	\$64.68	\$82.18	\$99.68	\$117.18
4.00	\$75.47	\$95.47	\$115.47	\$135.47	\$155.47
4.50	\$103.76	\$126.26	\$148.76	\$171.26	\$193.76

Assumptions

1. Oat hay planted in early April and harvested in late June.
2. Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/irrigation costs for 3 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.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and James Barnhill