

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Oat hay	2.3	tons	\$67.67	\$155.63	\$155.63	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$155.63	\$155.63	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Discing w/ harrow	1	acre	\$11.56	\$11.56	\$11.56	
Land plane	1	acre	\$11.50	\$11.50	\$11.50	
Planting	1	acre	\$12.21	\$12.21	\$12.21	
Seed	80	pounds	\$0.17	\$13.60	\$13.60	
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	-	acre	\$7.82	\$0.00	\$0.00	
Pesticides/herbicides						
2-4-D	-	pint	\$2.75	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
Irrigation (flood)						
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	28.1	acre inches	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	1	acre	\$15.56	\$15.56	\$15.56	
Turning/raking	1	acre	\$4.69	\$4.69	\$4.69	
Baling	2.30	tons	\$4.79	\$11.02	\$11.02	
Hauling/stacking	2.30	tons	\$3.63	\$8.35	\$8.35	
Interest on operating capital			7.61%	\$6.30	\$6.30	
	<b>Subtotal</b>			\$186.69	\$217.53	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$31.71	\$31.71	\$31.71	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$228.65	\$259.49	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$31.06	-\$61.90	
Above total listed costs				-\$73.02	-\$103.86	

**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
0.80	-\$127.93	-\$123.93	-\$119.93	-\$115.93	-\$111.93
1.30	-\$103.30	-\$96.80	-\$90.30	-\$83.80	-\$77.30
1.80	-\$78.68	-\$69.68	-\$60.68	-\$51.68	-\$42.68
2.30	-\$54.06	-\$42.56	-\$31.06	-\$19.56	-\$8.06
2.80	-\$29.43	-\$15.43	-\$1.43	\$12.57	\$26.57
3.30	-\$4.81	\$11.69	\$28.19	\$44.69	\$61.19
3.80	\$19.81	\$38.81	\$57.81	\$76.81	\$95.81

Assumptions

1. Oat hay planted in late March 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. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Kristina Haymore