

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oat hay	2.5	tons	\$67.67	\$169.17	\$169.17	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
<b>Subtotal</b>				\$169.17	\$169.17	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Roller harrow	1	acre	\$3.64	\$3.64	\$3.64	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	90	pounds	\$0.17	\$15.30	\$15.30	
Fertilization						
Nitrogen (34-0-0)	294	pounds	\$0.18	\$52.48	\$52.48	
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	pint	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)	3	irrigations				
Labor	1.00	hours	\$10.00	\$10.00	\$10.00	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	23	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	2.50	tons	\$4.79	\$11.98	\$11.98	
Hauling/stacking	2.50	tons	\$3.63	\$9.08	\$9.08	
Interest on operating capital			7.61%	\$4.81	\$4.81	
<b>Subtotal</b>				\$168.57	\$168.57	
Ownership costs (excludes cost of land)				\$98.96	\$98.96	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$88.71	\$88.71	\$88.71	
Irrigation equipment	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$267.53	\$267.53	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$0.59	\$0.59	
Above total listed costs				-\$98.37	-\$98.37	

**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
1.00	-\$98.28	-\$93.28	-\$88.28	-\$83.28	-\$78.28
1.50	-\$73.65	-\$66.15	-\$58.65	-\$51.15	-\$43.65
2.00	-\$49.03	-\$39.03	-\$29.03	-\$19.03	-\$9.03
2.50	-\$24.41	-\$11.91	\$0.59	\$13.09	\$25.59
3.00	\$0.22	\$15.22	\$30.22	\$45.22	\$60.22
3.50	\$24.84	\$42.34	\$59.84	\$77.34	\$94.84
4.00	\$49.46	\$69.46	\$89.46	\$109.46	\$129.46

Assumptions

- Oats planted in late April and harvested in early 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.