

**Costs and Returns per acre from growing oats, 2006  
Sevier County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Oats	83.7	bushels	\$2.13	\$178.56	\$178.56	
Straw	0.74	tons	\$43.00	\$31.82	\$31.82	
				\$210.38	\$210.38	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	221	pounds	\$0.18	\$39.36	\$39.36	
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)						
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	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	83.7	bushel	\$0.06	\$5.02	\$5.02	
Baling	0.74	tons	\$4.79	\$3.54	\$3.54	
Haul/stack straw	0.74	tons	\$3.63	\$2.69	\$2.69	
Interest on operating capital			7.61%	\$4.12	\$4.12	
				\$163.98	\$164.68	
<b>Ownership costs (excludes cost of land)</b>						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$90.10	\$90.10	\$90.10	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
				\$264.33	\$265.03	
<b>Total costs</b>						
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$46.40	\$45.70	
Above total listed costs				-\$53.95	-\$54.65	

**Breakeven Table - Oats**

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.13	\$1.63	\$2.13	\$2.63	\$3.13
<b>68.70</b>	-\$53.40	-\$19.05	\$15.30	\$49.65	\$84.00
<b>73.70</b>	-\$48.03	-\$11.18	\$25.67	\$62.52	\$99.37
<b>78.70</b>	-\$42.66	-\$3.31	\$36.04	\$75.39	\$114.74
<b>83.70</b>	-\$37.30	\$4.55	<b>\$46.40</b>	\$88.25	\$130.10
<b>88.70</b>	-\$31.93	\$12.42	\$56.77	\$101.12	\$145.47
<b>93.70</b>	-\$26.56	\$20.29	\$67.14	\$113.99	\$160.84
<b>98.70</b>	-\$21.20	\$28.15	\$77.50	\$126.85	\$176.20

**Assumptions**

1. Grain planted in March and harvested in July.
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.