

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Oats	78.0	bushels	\$2.25	\$175.50	\$175.50	
Straw	0.80	tons	\$40.00	\$32.00	\$32.00	
Subtotal				\$207.50	\$207.50	
Operating costs						
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	1	acre	\$3.64	\$3.64	\$3.64	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	90	pounds	\$0.17	\$15.30	\$15.30	
Fertilization						
Nitrogen (34-0-0)	250	pounds	\$0.18	\$44.63	\$44.63	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	1.25	pints	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)	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						
Combining	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	78.0	bushel	\$0.06	\$4.68	\$4.68	
Baling	0.80	tons	\$4.79	\$3.83	\$3.83	
Haul/stack straw	0.80	tons	\$3.63	\$2.90	\$2.90	
Crop insurance (75% Yield, 100% Price)	1	acre	\$4.71	\$4.71	\$4.71	
Interest on operating capital			7.61%	\$3.78	\$3.78	
Subtotal				\$163.44	\$163.44	
Ownership costs (excludes cost of land)				\$74.90	\$74.90	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$64.65	\$64.65	\$64.65	
Irrigation equipment	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$238.34	\$238.34	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$44.06	\$44.06	
Above total listed costs				-\$30.84	-\$30.84	

Breakeven Table - Oats

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.25	\$1.75	\$2.25	\$2.75	\$3.25
63.00	-\$51.79	-\$20.29	\$11.21	\$42.71	\$74.21
68.00	-\$45.84	-\$11.84	\$22.16	\$56.16	\$90.16
73.00	-\$39.89	-\$3.39	\$33.11	\$69.61	\$106.11
78.00	-\$33.94	\$5.06	\$44.06	\$83.06	\$122.06
83.00	-\$27.99	\$13.51	\$55.01	\$96.51	\$138.01
88.00	-\$22.04	\$21.96	\$65.96	\$109.96	\$153.96
93.00	-\$16.09	\$30.41	\$76.91	\$123.41	\$169.91

Assumptions

1. Grain planted in late April and harvested in August.
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.