

Costs and Returns per acre from growing corn for grain, 2006
Sevier County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	142.5	bushels	\$2.87	\$409.07	\$409.07	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$409.07	\$409.07	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	2	acre	\$3.73	\$7.47	\$7.47	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$5.28	\$5.28	\$5.28	
Seed	0.5	bags	\$90.00	\$45.00	\$45.00	
Cultivations						
first	1	acre	\$2.94	\$2.94	\$2.94	
second	1	acre	\$2.94	\$2.94	\$2.94	
Fertilization						
Nitrogen (34-0-0)	278	pounds	\$0.18	\$49.62	\$49.62	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Lasso		quart	\$6.50	\$0.00	\$0.00	
Dual II Magnum	2.25	pint	\$15.10	\$33.98	\$33.98	
Phorate	6.75	pounds	\$2.40	\$16.20	\$16.20	
2-4-D	1.3	pints	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)	6	irrigations				
Labor	2.00	hours	\$10.00	\$20.00	\$20.00	
Water assessment	1	share	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	25	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$30.00	\$30.00	\$30.00	
Haul grain (custom)	142.5	bushel	\$0.06	\$8.55	\$8.55	
Crop insurance (75% Yield, 100% Price)	1	acre	\$7.99	\$7.99	\$7.99	
Interest on operating capital			7.61%	\$8.24	\$8.24	
	Subtotal			\$299.66	\$299.66	
Ownership costs (excludes cost of land)				\$68.98	\$68.98	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$58.73	\$58.73	\$58.73	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$368.64	\$368.64	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$109.41	\$109.41	
Above total listed costs				\$40.43	\$40.43	

Breakeven Table - Corn Grain

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$1.87	\$2.37	\$2.87	\$3.37	\$3.87
127.50	-\$60.25	\$3.50	\$67.25	\$131.00	\$194.75
132.50	-\$51.20	\$15.05	\$81.30	\$147.55	\$213.80
137.50	-\$42.14	\$26.61	\$95.36	\$164.11	\$232.86
142.50	-\$33.09	\$38.16	\$109.41	\$180.66	\$251.91
147.50	-\$24.04	\$49.71	\$123.46	\$197.21	\$270.96
152.50	-\$14.98	\$61.27	\$137.52	\$213.77	\$290.02
157.50	-\$5.93	\$72.82	\$151.57	\$230.32	\$309.07

Assumptions

1. Corn planted in late March and harvested in October.
2. Interest computed on land preparation and planting costs for 6 months and cultivation/fertilization/herbicide/irrigation costs for 5 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.