

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	170.0	bushels	\$3.00	\$510.00	\$510.00	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$510.00	\$510.00	
Operating costs						
Land preparation						
Plowing (every 3rd year)	1/3	acre	\$5.88	\$1.96	\$1.96	
Discing w/ packer	2	acre	\$3.73	\$7.47	\$7.47	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
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)	561	pounds	\$0.18	\$100.14	\$100.14	
Phosphate (11-52-0)	163	pounds	\$0.18	\$29.10	\$29.10	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Lasso	3.00	quart	\$6.50	\$19.50	\$19.50	
Phorate	6.75	pounds	\$2.40	\$16.20	\$16.20	
2-4-D	2.50	pints	\$2.75	\$6.87	\$6.87	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)	5	irrigations				
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	27	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$35.00	\$35.00	\$30.00	
Haul grain (custom)	170.0	bushel	\$0.08	\$13.60	\$9.50	
Interest on operating capital			7.61%	\$6.76	\$6.76	
	Subtotal			\$344.05	\$344.05	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$61.52	\$61.52	\$61.52	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$415.82	\$415.82	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$165.95	\$165.95	
Above total listed costs				\$94.18	\$94.18	

Breakeven Table - Corn Grain

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$2.00	\$2.50	\$3.00	\$3.50	\$4.00
155.00	-\$32.85	\$44.65	\$122.15	\$199.65	\$277.15
160.00	-\$23.25	\$56.75	\$136.75	\$216.75	\$296.75
165.00	-\$13.65	\$68.85	\$151.35	\$233.85	\$316.35
170.00	-\$4.05	\$80.95	\$165.95	\$250.95	\$335.95
175.00	\$5.55	\$93.05	\$180.55	\$268.05	\$355.55
180.00	\$15.15	\$105.15	\$195.15	\$285.15	\$375.15
185.00	\$24.75	\$117.25	\$209.75	\$302.25	\$394.75

Assumptions

1. Grain planted in late April and harvested in October.
2. Interest computed on land preparation and planting costs for 6 months and cultivation/fertilization/herbicide/irrigation costs for 3 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are equally distributed over the entire farm.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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