

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	180.0	bushels	\$2.87	\$516.72	\$516.72	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$516.72	\$457.87	
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	
Planting	1	acre	\$5.28	\$5.28	\$5.28	
Seed	0.5	bags	\$100.00	\$50.00	\$45.00	
Cultivations						
first	1	acre	\$2.94	\$2.94	\$2.94	
second	1	acre	\$2.94	\$2.94	\$2.94	
Fertilization						
Nitrogen (46-0-0)	263	pounds	\$0.20	\$52.60	\$52.60	
Phosphate (11-52-0)	96	pounds	\$0.20	\$19.20	\$19.20	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Lasso	2.00	Quart	\$6.50	\$13.00	\$13.00	
Dual II Magnum	-	pints	\$15.10	\$0.00	\$0.00	
Phorate	6.75	pounds	\$2.40	\$16.20	\$16.20	
2-4-D	1.25	pints	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)	6	irrigations				
Labor	2.00	hours	\$10.00	\$20.00	\$20.00	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
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	\$35.00	\$35.00	\$35.00	
Haul grain (custom)	180.0	bushel	\$0.08	\$14.40	\$14.40	
Crop insurance (75% Yield, 100% Price)	1	acre	\$7.05	\$7.05	\$7.05	
Interest on operating capital			7.61%	\$5.61	\$5.61	
	Subtotal			\$288.56	\$288.56	
Ownership costs (excludes cost of land)				\$64.10	\$64.10	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$53.85	\$53.85	\$53.85	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$352.66	\$352.66	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$228.16	\$192.16	
Above total listed costs				\$164.06	\$128.06	

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
165.00	\$21.30	\$103.80	\$186.30	\$268.80	\$351.30
170.00	\$30.25	\$115.25	\$200.25	\$285.25	\$370.25
175.00	\$39.21	\$126.71	\$214.21	\$301.71	\$389.21
180.00	\$48.16	\$138.16	\$228.16	\$318.16	\$408.16
185.00	\$57.11	\$149.61	\$242.11	\$334.61	\$427.11
190.00	\$66.07	\$161.07	\$256.07	\$351.07	\$446.07
195.00	\$75.02	\$172.52	\$270.02	\$367.52	\$465.02

Assumptions

1. Grain 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 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.

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