

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	139.0	bushels	\$2.87	\$399.02	\$399.02	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$399.02	\$399.02	
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	2	acre	\$3.64	\$7.28	\$7.28	
Planting	1	acre	\$5.28	\$5.28	\$5.28	
Seed (Roundup Ready)	0.45	bags	\$90.00	\$40.50	\$40.50	
Cultivations	1	acre	\$2.94	\$2.94	\$2.94	
Fertilization						
Nitrogen (34-0-0)	720	pounds	\$0.18	\$128.52	\$128.52	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Potash (0-0-60)	167	pounds	\$0.15	\$25.05	\$25.05	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Roundup	1.00	Quart	\$6.32	\$6.32	\$6.32	
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 (flood)	4	irrigations				
Labor	1.33	hours	\$10.00	\$13.33	\$13.33	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	26	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$30.00	\$30.00	\$30.00	
Haul grain (custom)	139.0	bushel	\$0.06	\$8.34	\$8.34	
Crop insurance (75% Yield, 100% Price)	1	acre	\$8.58	\$8.58	\$8.58	
Interest on operating capital			7.61%	\$7.00	\$7.00	
	Subtotal			\$355.69	\$355.69	
Ownership costs (excludes cost of land)				\$70.80	\$70.80	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$60.55	\$60.55	\$60.55	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$426.49	\$426.49	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$43.34	\$43.34	
Above total costs				-\$27.47	-\$27.47	

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
124.00	-\$122.82	-\$60.82	\$1.18	\$63.18	\$125.18
129.00	-\$113.77	-\$49.27	\$15.23	\$79.73	\$144.23
134.00	-\$104.72	-\$37.72	\$29.28	\$96.28	\$163.28
139.00	-\$95.66	-\$26.16	\$43.34	\$112.84	\$182.34
144.00	-\$86.61	-\$14.61	\$57.39	\$129.39	\$201.39
149.00	-\$77.56	-\$3.06	\$71.44	\$145.94	\$220.44
154.00	-\$68.50	\$8.50	\$85.50	\$162.50	\$239.50

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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