

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	139.2	bushels	\$2.87	\$399.60	\$399.60	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$399.60	\$399.60	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
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	2.00	Quart	\$6.50	\$13.00	\$13.00	
Dual II Magnum	1.6	pints	\$15.10	\$24.16	\$24.16	
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 (wheel line)	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	25	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$30.00	\$30.00	\$30.00	
Haul grain (custom)	139.2	bushel	\$0.06	\$8.35	\$8.35	
Crop insurance (75% Yield, 100% Price)	1	acre	\$8.32	\$8.32	\$8.32	
Interest on operating capital			7.61%	\$6.02	\$6.02	
	Subtotal			\$295.47	\$295.47	
Ownership costs (excludes cost of land)				\$67.09	\$67.09	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$56.84	\$56.84	\$56.84	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$362.56	\$362.56	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$104.12	\$104.12	
Above total listed costs				\$37.04	\$37.04	

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
124.20	-\$62.24	-\$0.14	\$61.96	\$124.06	\$186.16
129.20	-\$53.18	\$11.42	\$76.02	\$140.62	\$205.22
134.20	-\$44.13	\$22.97	\$90.07	\$157.17	\$224.27
139.20	-\$35.08	\$34.52	\$104.12	\$173.72	\$243.32
144.20	-\$26.02	\$46.08	\$118.18	\$190.28	\$262.38
149.20	-\$16.97	\$57.63	\$132.23	\$206.83	\$281.43
154.20	-\$7.92	\$69.18	\$146.28	\$223.38	\$300.48

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.