

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	144.0	bushels	\$2.87	\$413.38	\$413.38	
Residue	-	AUM	\$11.53	\$0.00	\$0.00	
	Subtotal			\$413.38	\$413.38	
Operating costs						
Land preparation						
Plowing (every 3rd year)	1/3	acre	\$22.78	\$7.59	\$7.59	
Roller harrow	1	acre	\$14.33	\$14.33	\$14.33	
Land plane	1	acre	\$11.50	\$11.50	\$11.50	
Planting	1	acre	\$12.71	\$12.71	\$12.71	
Seed	0.5	bags	\$90.00	\$45.00	\$45.00	
Cultivations						
first	1	acre	\$9.00	\$9.00	\$9.00	
second	1	acre	\$9.00	\$9.00	\$9.00	
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)	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	27	acre inch	0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$30.00	\$30.00	\$30.00	
Haul grain (custom)	144.0	bushel	\$0.06	\$8.64	\$8.64	
Crop insurance (75% Yield, 100% Price)	1	acre	\$8.96	\$8.96	\$8.96	
Interest on operating capital			7.61%	\$7.99	\$7.99	
	Subtotal			\$384.47	\$384.47	
Ownership costs (excludes cost of land)				\$10.25	\$10.25	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$0.00	\$0.00	\$0.00	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$394.72	\$394.72	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$28.91	\$28.91	
Above total listed costs				\$18.66	\$18.66	

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
129.00	-\$142.25	-\$77.75	-\$13.25	\$51.25	\$115.75
134.00	-\$133.20	-\$66.20	\$0.80	\$67.80	\$134.80
139.00	-\$124.15	-\$54.65	\$14.85	\$84.35	\$153.85
144.00	-\$115.09	-\$43.09	\$28.91	\$100.91	\$172.91
149.00	-\$106.04	-\$31.54	\$42.96	\$117.46	\$191.96
154.00	-\$96.99	-\$19.99	\$57.01	\$134.01	\$211.01
159.00	-\$87.93	-\$8.43	\$71.07	\$150.57	\$230.07

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. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

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