

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn grain	169.7	bushels	\$2.87	\$487.15	\$487.15	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$487.15	\$487.15	
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)						
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	-	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$32.00	\$32.00	\$32.00	
Haul grain (custom)	169.7	bushel	\$0.06	\$10.18	\$10.16	
Crop insurance (75% Yield, 100% Price)	1	acre	\$11.00	\$11.00	\$11.00	
Interest on operating capital			7.61%	\$6.82	\$6.82	
	Subtotal			\$352.03	\$352.03	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$49.92	\$49.92	\$49.92	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$412.20	\$412.20	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$135.12	\$135.12	
Above total listed costs				\$74.95	\$74.95	

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
154.70	-\$61.74	\$15.61	\$92.96	\$170.31	\$247.66
159.70	-\$52.68	\$27.17	\$107.02	\$186.87	\$266.72
164.70	-\$43.63	\$38.72	\$121.07	\$203.42	\$285.77
169.70	-\$34.58	\$50.27	\$135.12	\$219.97	\$304.82
174.70	-\$25.52	\$61.83	\$149.18	\$236.53	\$323.88
179.70	-\$16.47	\$73.38	\$163.23	\$253.08	\$342.93
184.70	-\$7.42	\$84.93	\$177.28	\$269.63	\$361.98

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 allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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