

**Costs and Returns per acre from growing corn for silage, 2006
Millard County - Delta**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn silage	19.3	tons	\$30.80	\$594.44	\$594.44	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$594.44	\$594.44	
Operating costs						
Land preparation						
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	\$90.00	\$45.00	\$45.00	
Cultivation	1	acre	\$2.94	\$2.94	\$2.94	
Fertilization						
Nitrogen (34-0-0)	550	pounds	\$0.18	\$98.18	\$98.18	
Phosphate (11-52-0)	100	pounds	\$0.18	\$17.85	\$17.85	
Custom application	1.00	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Roundup Ultra Max	2.00	quart	\$6.32	\$12.65	\$12.65	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (flood)	6	irrigations				
Labor	2.00	hours	\$10.00	\$20.00	\$20.00	
Water assessment	1	share	\$20.00	\$20.00	\$20.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	36	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Chopping	1	acre	\$6.79	\$6.79	\$6.79	
Packing and pushing	1	acre	\$5.73	\$5.73	\$5.73	
Trucking	1.9	loads/acre	\$16.04	\$30.96	\$30.96	
Crop insurance (75% Yield, 100% Price)	1	acre	\$15.14	\$15.14	\$15.14	
Interest on operating capital			7.61%	\$5.79	\$5.79	
	Subtotal			\$311.32	\$311.32	
Ownership costs (excludes cost of land)				\$92.33	\$92.33	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$82.08	\$82.08	\$82.08	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$403.66	\$403.66	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$283.12	\$283.12	
Above total listed costs				\$190.78	\$190.78	

Breakeven Table - Corn Silage

Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$20.80	\$25.80	\$30.80	\$35.80	\$40.80
17.80	\$58.92	\$147.92	\$236.92	\$325.92	\$414.92
18.30	\$69.32	\$160.82	\$252.32	\$343.82	\$435.32
18.80	\$79.72	\$173.72	\$267.72	\$361.72	\$455.72
19.30	\$90.12	\$186.62	\$283.12	\$379.62	\$476.12
19.80	\$100.52	\$199.52	\$298.52	\$397.52	\$496.52
20.30	\$110.92	\$212.42	\$313.92	\$415.42	\$516.92
20.80	\$121.32	\$225.32	\$329.32	\$433.32	\$537.32

Assumptions

1. Corn planted in late April and harvested in September.
2. Interest computed on land preparation and planting costs for 6 months and cultivation, fertilization, herbicide and 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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