

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Corn silage	16.2	tons	\$30.80	\$498.96	\$498.96	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$498.96	\$498.96	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Discing	1	acre	\$11.56	\$11.56	\$11.56	
Land plane	2	acre	\$11.50	\$23.00	\$23.00	
Planting	1	acre	\$12.71	\$12.71	\$12.71	
Seed	0.5	bags	\$90.00	\$45.00	\$45.00	
Cultivation	1	acre	\$9.00	\$9.00	\$9.00	
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	1.00	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Lasso	-	Quart	\$6.50	\$0.00	\$0.00	
Phorate	-	pounds	\$2.40	\$0.00	\$0.00	
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	26	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom harvest	16.2	tons	\$15.00	\$243.00	\$243.00	
Crop insurance (75% Yield, 100% Price)	1	acre	\$13.37	\$13.37	\$13.37	
Interest on operating capital			7.61%	\$6.64	\$6.64	
	<b>Subtotal</b>			\$496.73	\$496.73	
Ownership costs (excludes cost of land)				\$10.25	\$10.25	
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	
	<b>Total costs</b>			\$506.98	\$506.98	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$2.23	\$2.23	
Above total listed costs				-\$8.02	-\$8.02	

**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
14.70	-\$168.47	-\$94.97	-\$21.47	\$52.03	\$125.53
15.20	-\$165.57	-\$89.57	-\$13.57	\$62.43	\$138.43
15.70	-\$162.67	-\$84.17	-\$5.67	\$72.83	\$151.33
16.20	-\$159.77	-\$78.77	\$2.23	\$83.23	\$164.23
16.70	-\$156.87	-\$73.37	\$10.13	\$93.63	\$177.13
17.20	-\$153.97	-\$67.97	\$18.03	\$104.03	\$190.03
17.70	-\$151.07	-\$62.57	\$25.93	\$114.43	\$202.93

Assumptions

1. Corn planted in May 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. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

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