

**Costs and Returns per acre from growing corn silage, 2006
Eastern Iron County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn silage	20.3	tons	\$30.80	\$625.24	\$625.24	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$625.24	\$625.24	
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	
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)	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	-	quart	\$6.50	\$0.00	\$0.00	
Phorate	-	pounds	\$2.40	\$0.00	\$0.00	
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
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	24	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	2.0	loads/acre	\$16.04	\$32.57	\$32.57	
Crop insurance (75% Yield, 100% Price)	1	acre	\$15.64	\$15.64	\$15.64	
Interest on operating capital			7.61%	\$4.61	\$4.61	
	Subtotal			\$241.10	\$241.10	
Ownership costs (excludes cost of land)				\$123.37	\$123.37	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$113.12	\$113.12	\$113.12	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$364.47	\$364.47	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$384.14	\$384.14	
Above total listed costs				\$260.77	\$260.77	

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
18.80	\$149.94	\$243.94	\$337.94	\$431.94	\$525.94
19.30	\$160.34	\$256.84	\$353.34	\$449.84	\$546.34
19.80	\$170.74	\$269.74	\$368.74	\$467.74	\$566.74
20.30	\$181.14	\$282.64	\$384.14	\$485.64	\$587.14
20.80	\$191.54	\$295.54	\$399.54	\$503.54	\$607.54
21.30	\$201.94	\$308.44	\$414.94	\$521.44	\$627.94
21.80	\$212.34	\$321.34	\$430.34	\$539.34	\$648.34

Assumptions

1. Corn planted in late March 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.