

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Corn silage	20.3	tons	\$30.80	\$625.24	\$625.24	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$625.24	\$625.24	
<b>Operating costs</b>						
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)	573	pounds	\$0.18	\$102.28	\$102.28	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
2-4-D	2.50	pint	\$2.75	\$6.87	\$6.87	
Puma	0.67	pint	\$25.00	\$16.75	\$16.75	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (center pivot)						
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%	\$6.00	\$6.00	
	<b>Subtotal</b>			\$315.33	\$315.33	
Ownership costs (excludes cost of land)						
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	
	<b>Total costs</b>			\$438.70	\$438.70	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$309.91	\$309.91	
Above total listed costs				\$186.54	\$186.54	

**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	\$75.71	\$169.71	\$263.71	\$357.71	\$451.71
19.30	\$86.11	\$182.61	\$279.11	\$375.61	\$472.11
19.80	\$96.51	\$195.51	\$294.51	\$393.51	\$492.51
20.30	\$106.91	\$208.41	\$309.91	\$411.41	\$512.91
20.80	\$117.31	\$221.31	\$325.31	\$429.31	\$533.31
21.30	\$127.71	\$234.21	\$340.71	\$447.21	\$553.71
21.80	\$138.11	\$247.11	\$356.11	\$465.11	\$574.11

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.