

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn silage	22.3	tons	\$30.80	\$686.84	\$686.84	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$686.84	\$686.84	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.28	
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	-	pounds	\$0.18	\$0.00	\$0.00	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
Pesticides/herbicides						
Alachlor	-	Quart	\$3.50	\$0.00	\$0.00	
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 (center pivot)	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	2.2	loads/acre	\$16.04	\$35.77	\$35.78	
Crop insurance (75% Yield, 100% Price)	1	acre	\$16.32	\$16.32	\$16.32	
Interest on operating capital			7.61%	\$5.04	\$5.09	
	Subtotal			\$199.63	\$202.63	
Ownership costs (excludes cost of land)				\$116.57	\$116.57	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$106.32	\$106.32	\$106.32	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$316.20	\$316.20	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$487.21	\$487.21	
Above total listed costs				\$370.64	\$370.64	

Breakeven Table - Corn Silage

Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$28.30	\$29.55	\$30.80	\$32.05	\$33.30
19.30	\$346.56	\$370.69	\$394.81	\$418.94	\$443.06
20.30	\$374.86	\$400.24	\$425.61	\$450.99	\$476.36
21.30	\$403.16	\$429.79	\$456.41	\$483.04	\$509.66
22.30	\$431.46	\$459.34	\$487.21	\$515.09	\$542.96
23.30	\$459.76	\$488.89	\$518.01	\$547.14	\$576.26
24.30	\$488.06	\$518.44	\$548.81	\$579.19	\$609.56
25.30	\$516.36	\$547.99	\$579.61	\$611.24	\$642.86

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.