

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

**Carbon County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Corn silage	16.0	tons	\$30.80	\$492.80	\$492.80	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$492.80	\$492.80	
<b>Operating costs</b>						
Land preparation						
Plowing	1	acre	\$22.78	\$22.78	\$22.78	
Discing	1	acre	\$11.56	\$11.56	\$11.56	
Roller harrow	2	acre	\$14.33	\$28.66	\$28.66	
Marking field	-	acre	\$0.00	\$0.00	\$0.00	
Land plane	1	acre	\$11.50	\$11.50	\$11.50	
Planting						
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	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Atrazine	3.60	pint	\$1.62	\$5.85	\$5.85	
Phorate	6.75	pounds	\$2.40	\$16.20	\$16.20	
2-4-D	1.25	pint	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (gated pipe)						
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$5.00	\$5.00	\$5.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	25	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom harvest	16.0	tons	\$15.00	\$240.00	\$240.00	
Crop insurance (75% Yield, 100% Price)	1	acre	\$12.30	\$12.30	\$12.30	
Interest on operating capital			7.61%	\$7.55	\$7.55	
	<b>Subtotal</b>			\$524.34	\$524.34	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$0.00	\$0.00	\$0.00	
Irrigation equipment	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$534.59	\$534.59	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				-\$31.54	-\$31.54	
Above total listed costs				-\$41.79	-\$41.79	

**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
14.50	-\$200.24	-\$127.74	-\$55.24	\$17.26	\$89.76
15.00	-\$197.34	-\$122.34	-\$47.34	\$27.66	\$102.66
15.50	-\$194.44	-\$116.94	-\$39.44	\$38.06	\$115.56
16.00	-\$191.54	-\$111.54	<b>-\$31.54</b>	\$48.46	\$128.46
16.50	-\$188.64	-\$106.14	-\$23.64	\$58.86	\$141.36
17.00	-\$185.74	-\$100.74	-\$15.74	\$69.26	\$154.26
17.50	-\$182.84	-\$95.34	-\$7.84	\$79.66	\$167.16

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. Custom rates on all operations.
4. Only owned machinery are a loader and truck.