

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Corn silage	22.0	tons	\$30.80	\$677.60	\$677.60	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$677.60	\$677.60	
<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)	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)						
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	\$35.29	\$35.29	
Interest on operating capital				7.61%	\$4.61	\$4.61
	<b>Subtotal</b>				\$228.19	\$228.19
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$224.67	\$224.67	\$224.67	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>				\$463.11	\$463.11
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs					\$449.41	\$449.41
Above total listed costs					\$214.49	\$214.49

**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
20.50	\$198.21	\$300.71	\$403.21	\$505.71	\$608.21
21.00	\$208.61	\$313.61	\$418.61	\$523.61	\$628.61
21.50	\$219.01	\$326.51	\$434.01	\$541.51	\$649.01
22.00	\$229.41	\$339.41	\$449.41	\$559.41	\$669.41
22.50	\$239.81	\$352.31	\$464.81	\$577.31	\$689.81
23.00	\$250.21	\$365.21	\$480.21	\$595.21	\$710.21
23.50	\$260.61	\$378.11	\$495.61	\$613.11	\$730.61

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.