

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn silage	28.0	tons	\$30.80	\$862.40	\$862.40	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$862.40	\$862.40	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Roller harrow	1	acre	\$3.64	\$3.64	\$3.64	
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)	350	pounds	\$0.18	\$62.48	\$62.48	
Phosphate	-	pounds	\$0.18	\$0.00	\$0.00	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Manure	3	tons	\$5.00	\$15.00	\$15.00	
Spread manure	1	acre	\$6.00	\$6.00	\$6.00	
Pesticides/herbicides						
Dual II Magnum	1	pint	\$15.10	\$15.10	\$15.10	
Thimet	1.36	pounds	\$2.66	\$3.61	\$3.61	
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	20	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	\$17.31	\$38.43	\$38.43	
Crop insurance (75% Yield, 100% Price)	1	acre	\$11.58	\$11.58	\$11.58	
Interest on operating capital			7.61%	\$5.39	\$5.39	
	Subtotal			\$284.54	\$284.54	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$91.96	\$91.96	\$91.96	
Irrigation equipment	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$386.75	\$386.75	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$577.86	\$577.86	
Above total listed costs				\$475.65	\$475.65	

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
26.50	\$266.66	\$399.16	\$531.66	\$664.16	\$796.66
27.00	\$277.06	\$412.06	\$547.06	\$682.06	\$817.06
27.50	\$287.46	\$424.96	\$562.46	\$699.96	\$837.46
28.00	\$297.86	\$437.86	\$577.86	\$717.86	\$857.86
28.50	\$308.26	\$450.76	\$593.26	\$735.76	\$878.26
29.00	\$318.66	\$463.66	\$608.66	\$753.66	\$898.66
29.50	\$329.06	\$476.56	\$624.06	\$771.56	\$919.06

Assumptions

1. Corn planted in early May and harvested in late 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.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Clark Israelsen