

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn silage	26.0	tons	\$30.80	\$800.80	\$800.80	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$800.80	\$800.80	
Operating costs						
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 (46-0-0)	278	pounds	\$0.20	\$55.60	\$55.60	
Phosphate (11-52-0)	48	pounds	\$0.20	\$9.60	\$9.60	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Lasso	-	quart	\$6.50	\$0.00	\$0.00	
Phorate	6.75	pounds	\$2.40	\$16.20	\$16.20	
2-4-D	1.25	pints	\$2.75	\$3.44	\$3.44	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)	5	irrigations				
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	3	share	\$10.00	\$25.00	\$25.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	25	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	2.6	loads/acre	\$16.04	\$41.70	\$41.70	
Crop insurance (75% Yield, 100% Price)	1	acre	\$10.51	\$10.51	\$10.51	
Interest on operating capital			7.61%	\$5.34	\$5.34	
	Subtotal			\$284.05	\$284.05	
Ownership costs (excludes cost of land)				\$144.83	\$144.83	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$134.58	\$134.58	\$134.58	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$428.88	\$428.88	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$516.75	\$516.75	
Above total listed costs				\$371.92	\$371.92	

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
24.60	\$227.63	\$350.63	\$473.63	\$596.63	\$719.63
25.00	\$235.95	\$360.95	\$485.95	\$610.95	\$735.95
25.50	\$246.35	\$373.85	\$501.35	\$628.85	\$756.35
26.00	\$256.75	\$386.75	\$516.75	\$646.75	\$776.75
26.50	\$267.15	\$399.65	\$532.15	\$664.65	\$797.15
27.00	\$277.55	\$412.55	\$547.55	\$682.55	\$817.55
27.50	\$287.95	\$425.45	\$562.95	\$700.45	\$837.95

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.

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