

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Corn silage	20.0	tons	\$30.80	\$616.00	\$616.00	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$616.00	\$616.00	
<b>Operating costs</b>						
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						
first	1	acre	\$2.94	\$2.94	\$2.94	
second	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	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 (wheel line)	5	irrigations				
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	22	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	
Hauling	2.0	loads/acre	\$16.04	\$32.09	\$32.09	
Crop insurance (75% Yield, 100% Price)	1	acre	\$15.19	\$15.19	\$15.19	
Interest on operating capital			7.61%	\$5.94	\$5.94	
	<b>Subtotal</b>			\$266.24	\$266.24	
Ownership costs (excludes cost of land)				\$124.37	\$124.37	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$114.12	\$114.12	\$114.12	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$390.60	\$390.60	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$349.76	\$349.76	
Above total listed costs				\$225.40	\$225.40	

**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
18.50	\$118.56	\$211.06	\$303.56	\$396.06	\$488.56
19.00	\$128.96	\$223.96	\$318.96	\$413.96	\$508.96
19.50	\$139.36	\$236.86	\$334.36	\$431.86	\$529.36
20.00	\$149.76	\$249.76	\$349.76	\$449.76	\$549.76
20.50	\$160.16	\$262.66	\$365.16	\$467.66	\$570.16
21.00	\$170.56	\$275.56	\$380.56	\$485.56	\$590.56
21.50	\$180.96	\$288.46	\$395.96	\$503.46	\$610.96

Assumptions

1. Corn planted in late April and harvested in September.
2. Interest computed on land preparation and planting costs for 6 months and cultivation, fertilization, herbicide and irrigation costs for 4 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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