

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Corn silage	24.3	tons	\$30.80	\$748.44	\$748.44	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	<b>Subtotal</b>			\$748.44	\$748.44	
<b>Operating costs</b>						
Land preparation						
Plowing (every 3rd year)	1/3	acre	\$5.88	\$1.96	\$1.96	
Discing w/ packer	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)	561	pounds	\$0.18	\$100.14	\$100.14	
Phosphate (11-52-0)	163	pounds	\$0.18	\$29.10	\$29.10	
Custom application	1.00	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	3.00	pints	\$2.75	\$8.25	\$8.25	
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	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	-	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Chopping	1	acre	\$6.79	\$6.79	\$6.79	
Packing and pushing	1.0	acre	\$5.73	\$5.73	\$5.73	
Trucking	2.4	loads/acre	\$16.04	\$38.98	\$38.98	
Crop insurance (75% Yield, 100% Price)	1	acre	\$15.04	\$15.04	\$15.04	
Interest on operating capital			7.61%	\$6.21	\$6.21	
	<b>Subtotal</b>			\$336.65	\$336.65	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$104.70	\$104.70	\$104.70	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$451.59	\$451.59	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$411.79	\$411.79	
Above total listed costs				\$296.85	\$296.85	

**Breakeven Table - Corn Silage**

Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$28.30	\$29.55	\$30.80	\$32.05	\$33.30
22.80	\$308.59	\$337.09	\$365.59	\$394.09	\$422.59
23.30	\$322.74	\$351.87	\$380.99	\$410.12	\$439.24
23.80	\$336.89	\$366.64	\$396.39	\$426.14	\$455.89
24.30	\$351.04	\$381.42	\$411.79	\$442.17	\$472.54
24.80	\$365.19	\$396.19	\$427.19	\$458.19	\$489.19
25.30	\$379.34	\$410.97	\$442.59	\$474.22	\$505.84
25.80	\$393.49	\$425.74	\$457.99	\$490.24	\$522.49

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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