

**Costs and Returns per acre from growing corn for silage, 2006**  
**Juab county**

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Corn silage	19.2	tons	\$30.80	\$591.36	\$591.36	
Residue	0.00	AUM	\$0.00	\$0.00	\$0.00	
<b>Subtotal</b>				\$591.36	\$591.36	
<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	1	acre	\$3.34	\$3.34	\$3.34	
Roller harrow	2	acre	\$3.64	\$7.28	\$7.38	
Planting	1	acre	\$5.28	\$5.28	\$5.38	
Seed	0.5	bags	\$90.00	\$45.00	\$45.00	
Cultivation	1	acre	\$2.94	\$2.94	\$2.94	
Fertilization						
Nitrogen (34-0-0)	205	pounds	\$0.18	\$36.59	\$36.59	
Phosphate (11-50-2)	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	\$30.00	\$30.00	\$30.00	
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	
Hauling	1.9	loads/acre	\$16.04	\$30.80	\$30.80	
Crop insurance (75% Yield, 100% Price)	1	acre	\$14.15	\$14.15	\$14.15	
Interest on operating capital			7.61%	\$5.20	\$5.20	
<b>Subtotal</b>				\$265.54	\$265.54	
Ownership costs (excludes cost of land)				\$102.68	\$102.68	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership cost	1	acre	\$92.43	\$92.43	\$92.43	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$368.22	\$368.22	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$325.82	\$325.82	
Above total listed costs				\$223.14	\$223.14	

**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
17.70	\$102.62	\$191.12	\$279.62	\$368.12	\$456.62
18.20	\$113.02	\$204.02	\$295.02	\$386.02	\$477.02
18.70	\$123.42	\$216.92	\$310.42	\$403.92	\$497.42
19.20	\$133.82	\$229.82	\$325.82	\$421.82	\$517.82
19.70	\$144.22	\$242.72	\$341.22	\$439.72	\$538.22
20.20	\$154.62	\$255.62	\$356.62	\$457.62	\$558.62
20.70	\$165.02	\$268.52	\$372.02	\$475.52	\$579.02

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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