

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

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Corn silage	21.0	tons	\$30.80	\$646.80	\$646.80	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
<b>Subtotal</b>				\$646.80	\$646.80	
<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	
Field cultivator	1	acre	\$3.64	\$3.64	\$3.64	
Mark rows	1	acre	\$2.94	\$2.94	\$2.94	
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 (UAN 32%)	557	pounds	\$0.18	\$99.42	\$99.42	
Phosphate (11-52-0)	96	pounds	\$0.18	\$17.14	\$17.14	
Potassium (0-0-60)	17	pounds	\$0.15	\$2.55	\$2.55	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Dual II Magnum	1.50	pint	\$15.10	\$22.65	\$22.65	
Phorate	6.75	pounds	\$2.40	\$16.20	\$16.20	
2-4-D	2.50	pint	\$2.75	\$6.87	\$6.87	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (center pivot)	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	28	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	2.1	loads/acre	\$16.04	\$33.69	\$33.69	
Crop insurance (75% Yield, 100% Price)	1	acre	\$12.93	\$12.93	\$12.93	
Interest on operating capital			7.61%	\$6.70	\$6.70	
<b>Subtotal</b>				\$348.05	\$348.05	
Ownership costs (excludes cost of land)				\$172.14	\$172.14	
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$161.89	\$161.89	\$161.89	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$520.19	\$520.19	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$298.75	\$298.75	
Above total listed costs				\$126.61	\$126.61	

**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
19.50	\$57.55	\$155.05	\$252.55	\$350.05	\$447.55
20.00	\$67.95	\$167.95	\$267.95	\$367.95	\$467.95
20.50	\$78.35	\$180.85	\$283.35	\$385.85	\$488.35
21.00	\$88.75	\$193.75	<b>\$298.75</b>	\$403.75	\$508.75
21.50	\$99.15	\$206.65	\$314.15	\$421.65	\$529.15
22.00	\$109.55	\$219.55	\$329.55	\$439.55	\$549.55
22.50	\$119.95	\$232.45	\$344.95	\$457.45	\$569.95

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 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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