

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Corn silage	19.2	tons	\$30.80	\$591.36	\$591.36	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$591.36	\$591.36	
Operating costs						
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	1	acre	\$2.94	\$2.94	\$2.94	
Fertilization						
Nitrogen	278	pounds	\$0.18	\$49.62	\$49.62	
Phosphate	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	2.50	pints	\$2.75	\$6.87	\$6.87	
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	\$10.00	\$10.00	\$10.00	
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	1.0	acre	\$5.73	\$5.73	\$5.73	
Trucking	1.9	loads/acre	\$16.04	\$30.80	\$30.80	
Crop insurance (75% Yield, 100% Price)	1	acre	\$13.06	\$13.06	\$13.06	
Interest on operating capital			7.61%	\$5.01	\$5.01	
	Subtotal			\$257.38	\$257.38	
Ownership costs (excludes cost of land)				\$110.56	\$110.56	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$100.31	\$100.31	\$100.31	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$367.95	\$367.95	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$333.98	\$333.98	
Above total listed costs				\$223.41	\$223.41	

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	\$110.78	\$199.28	\$287.78	\$376.28	\$464.78
18.20	\$121.18	\$212.18	\$303.18	\$394.18	\$485.18
18.70	\$131.58	\$225.08	\$318.58	\$412.08	\$505.58
19.20	\$141.98	\$237.98	\$333.98	\$429.98	\$525.98
19.70	\$152.38	\$250.88	\$349.38	\$447.88	\$546.38
20.20	\$162.78	\$263.78	\$364.78	\$465.78	\$566.78
20.70	\$173.18	\$276.68	\$380.18	\$483.68	\$587.18

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.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Troy Cooper