

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Corn Silage, Bt, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Enterprise
Corn Silage	27.00	Ton	\$38.80	\$1,047.60	\$127,807.20	\$127,807.20
Total Revenue				\$1,047.60	\$127,807.20	\$127,807.20
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$1,958.27	
Harvest and Haul - Corn Silage	27	Ton	\$9.64	\$260.15	\$31,737.76	
Fertilizer						
Fertilizer (P) - Liquid	90	Pound	\$0.48	\$42.98	\$5,243.96	
Fertilizer (N) - ANH3	160	Pound	\$0.29	\$45.92	\$5,602.24	
Fertilizer (N) - Liquid	95	Pound	\$0.48	\$45.77	\$5,583.48	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$19.28	\$19.28	\$2,352.20	
Herbicide - Corn Postplant	1	Acre	\$17.41	\$17.41	\$2,123.66	
Insecticide						
Miticide	1	Acre	\$22.87	\$22.87	\$2,790.46	
Insecticide and Apply Corn Silage	1	Acre	\$27.75	\$27.75	\$3,385.61	
Miscellaneous						
Crop Insurance Corn Silage Irrigated	1	Acre	\$40.15	\$40.15	\$4,898.30	
Seed						
Seed - Corn Silage	0.44	Bag	\$248.67	\$109.42	\$13,348.82	
Irrigation						
Energy Cost	20.00	AcreInch	\$3.96	\$79.20	\$9,662.40	
Irrigation Labor	1.28	Hour	\$13.65	\$17.47	\$2,131.58	
Machinery Labor						
Tractors/Self-Propelled	0.52	Hour	\$13.43	\$6.98	\$852.00	
Other Labor	0.6	Hour	\$13.43	\$8.06	\$983.08	
Diesel Fuel						
Tractors/Self-Propelled	3.02	Gallon	\$2.33	\$7.04	\$858.47	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.22	\$7.22	\$881.25	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$75.00	\$75.00	\$9,150.00	
Tractors/Self-Propelled	1	Acre	\$5.37	\$5.37	\$655.64	
Implements	1	Acre	\$15.16	\$15.16	\$1,849.91	
Interest on Credit Line			6.25%	\$14.97	\$1,826.88	
Total Variable Costs				\$887.99	\$108,334.97	
Planned Returns Above Variable Costs:				\$159.61	\$19,472.23	
Breakeven Price to Cover Variable Costs			\$32.89	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95	
Irrigation Equipment	1	Acre	\$47.34	\$47.34	\$5,775.00	
Tractors/Self-Propelled	1	Acre	\$5.35	\$5.35	\$652.35	
Implements	1	Acre	\$18.80	\$18.80	\$2,293.47	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.25%	\$1.70	\$207.98	
Irrigation Equipment	\$571.72	Dollars	6.25%	\$35.73	\$4,359.38	
Tractors/Self-Propelled	\$41.66	Dollars	6.25%	\$2.60	\$317.63	
Implements	\$80.42	Dollars	6.25%	\$5.03	\$613.18	
Cash Rent - Corn	1	Acre	\$100.00	\$100.00	\$12,200.00	
Total Fixed Costs				\$220.50	\$26,900.94	
Total Specified Costs				\$1,108.49	\$135,235.90	
Returns Above Specified Costs				(\$60.89)	(\$7,428.70)	
Breakeven Price to Cover Total Costs			\$41.06	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	20.25	\$43.85	\$54.74
90%	24.30	\$36.54	\$45.62
100%	27.00	\$32.89	\$41.06
110%	29.70	\$29.90	\$37.32
125%	33.75	\$26.31	\$32.84

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.