

Projections for Planning Purposes Only – Not to be Used without Updating
2018 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	\$35.75	\$965.25	\$117,760.50	
Total Revenue				\$965.25	\$117,760.50	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.36	\$15.36	\$1,873.92	
Harvest and Haul - Corn Silage	27	Ton	\$9.22	\$248.94	\$30,370.68	
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.47	\$28.20	\$3,440.40	
Fertilizer (N) - ANH3	150	Pound	\$0.24	\$36.00	\$4,392.00	
Fertilizer (N) - Liquid	90	Pound	\$0.40	\$36.00	\$4,392.00	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$17.57	\$17.57	\$2,143.54	
Herbicide - Corn Postplant	1	Acre	\$15.86	\$15.86	\$1,934.92	
Insecticide						
Miticide	1	Acre	\$21.04	\$21.04	\$2,566.88	
Insecticide and Apply Corn Silage	1	Acre	\$26.03	\$26.03	\$3,175.66	
Miscellaneous						
Crop Insurance Corn Silage Irrigated	1	Acre	\$40.15	\$40.15	\$4,898.30	
Seed						
Seed - Corn Silage	0.44	Bag	\$260.00	\$114.40	\$13,956.80	
Irrigation						
Energy Cost	20.00	AcreInch	\$3.50	\$70.00	\$8,540.00	
Irrigation Labor	1.28	Hour	\$12.64	\$16.18	\$1,973.86	
Machinery Labor						
Tractors/Self-Propelled	0.52	Hour	\$12.44	\$6.47	\$789.19	
Other Labor	0.6	Hour	\$12.44	\$7.46	\$910.61	
Diesel Fuel						
Tractors/Self-Propelled	3.01	Gallon	\$1.99	\$5.99	\$730.77	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.45	\$6.45	\$787.50	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$80.80	\$80.80	\$9,857.60	
Tractors/Self-Propelled	1	Acre	\$5.32	\$5.32	\$649.23	
Implements	1	Acre	\$12.41	\$12.41	\$1,514.00	
Interest on Credit Line			5.74%	\$12.62	\$1,539.81	
Total Variable Costs				\$827.02	\$100,896.68	
Planned Returns Above Variable Costs:				\$138.23	\$16,863.82	
Breakeven Price to Cover Variable Costs			\$30.63	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	\$5.29	\$5.29	\$644.96	
Implements	1	Acre	\$15.31	\$15.31	\$1,867.98	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.01%	\$1.64	\$200.00	
Irrigation Equipment	\$571.72	Dollars	6.01%	\$34.36	\$4,191.98	
Tractors/Self-Propelled	\$41.18	Dollars	6.01%	\$2.48	\$301.97	
Implements	\$65.50	Dollars	6.01%	\$3.94	\$480.25	
Cash Rent - Corn	1	Acre	\$120.00	\$120.00	\$14,640.00	
Total Fixed Costs				\$234.30	\$28,584.08	
Total Specified Costs				\$1,061.32	\$129,480.76	
Returns Above Specified Costs				(\$96.07)	(\$11,720.26)	
Breakeven Price to Cover Total Costs			\$39.31	Ton		

Example Breakeven Prices

Exampk Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	20.25	\$40.84	\$52.41
90%	24.30	\$34.03	\$43.68
100%	27.00	\$30.63	\$39.31
110%	29.70	\$27.85	\$35.73
125%	33.75	\$24.50	\$31.45

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, 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.