

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Corn Silage, Bt, Sprinkler Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn Silage	27.00	Ton	\$40.30	\$1,088.10	\$132,748.20	\$132,748.20
Total Revenue				\$1,088.10	\$132,748.20	\$132,748.20
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$11.75	\$11.75	\$1,433.50	
Harvest and Haul - Corn Silage	27	Ton	\$8.80	\$237.60	\$28,987.20	
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.85	\$51.00	\$6,222.00	
Fertilizer (N) - ANH3	126	Pound	\$0.40	\$50.40	\$6,148.80	
Fertilizer (N) - Liquid	78	Pound	\$0.55	\$42.90	\$5,233.80	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$17.70	\$17.70	\$2,159.40	
Herbicide - Corn Postplant	1	Acre	\$16.00	\$16.00	\$1,952.00	
Insecticide						
Miticide	1	Acre	\$22.00	\$22.00	\$2,684.00	
Insecticide and Apply Corn Silage	1	Acre	\$26.90	\$26.90	\$3,281.80	
Seed						
Seed - Corn Silage	0.4	Bag	\$287.50	\$115.00	\$14,030.00	
Miscellaneous						
Crop Insurance Corn Silage Irrigated	1	Acre	\$25.63	\$25.63	\$3,127.10	
Irrigation						
Energy Cost	20.00	AcreInch	\$4.30	\$86.00	\$10,492.00	
Irrigation Labor	1.28	Hour	\$11.75	\$15.04	\$1,834.88	
Machinery Labor						
Tractors/Self-Propelled	1.13	Hour	\$11.75	\$13.28	\$1,619.86	
Diesel Fuel						
Tractors/Self-Propelled	3.05	Gallon	\$3.30	\$10.07	\$1,227.93	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$9.19	\$9.19	\$1,121.25	
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	\$4.46	\$4.46	\$543.83	
Implements	1	Acre	\$13.73	\$13.73	\$1,674.68	
Interest on Credit Line			4.90%	\$11.33	\$1,382.40	
Total Variable Costs				\$864.53	\$105,473.03	
Planned Returns Above Variable Costs:				\$223.57	\$27,275.17	
Breakeven Price to Cover Variable Costs			\$32.02	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	\$22.50	\$22.50	\$2,745.60	
Tractors/Self-Propelled	1	Acre	\$4.46	\$4.46	\$543.75	
Implements	1	Acre	\$16.77	\$16.77	\$2,045.80	
Equipment Investment						
Pickup/General Use Equipment	\$47.03	Dollars	5.40%	\$2.54	\$309.83	
Irrigation Equipment	\$703.28	Dollars	5.40%	\$37.98	\$4,633.20	
Tractors/Self-Propelled	\$50.32	Dollars	5.40%	\$2.72	\$331.51	
Implements	\$130.42	Dollars	5.40%	\$7.04	\$859.24	
Cash Rent - Corn	1	Acre	\$133.00	\$133.00	\$16,226.00	
Total Fixed Costs				\$230.96	\$28,176.87	
Total Specified Costs				\$1,095.49	\$133,649.90	
Returns Above Specified Costs				(\$7.39)	(\$901.70)	
Breakeven Price to Cover Total Costs			\$40.57	Ton		

Example Breakeven Prices						
Example Yield Percent	Example Yield Ton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	20.25	\$42.69	\$42.69	\$54.10	\$54.10	\$0.00
90%	24.30	\$35.58	\$35.58	\$45.08	\$45.08	\$0.00
100%	27.00	\$32.02	\$32.02	\$40.57	\$40.57	\$0.00
110%	29.70	\$29.11	\$29.11	\$36.89	\$36.89	\$0.00
125%	33.75	\$25.62	\$25.62	\$32.46	\$32.46	\$0.00

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension.

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.