

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Bt Corn for Grain, Sprinkler Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Corn	225.00	Bushel	\$4.10	\$922.50	\$112,545.00	
Total Revenue				\$922.50	\$112,545.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$12.07	\$12.07	\$1,472.92	
Crop Consultant	1	Acre	\$8.87	\$8.87	\$1,081.60	
Harvest and Haul - Corn	225	Bushel	\$0.45	\$101.72	\$12,410.15	
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.90	\$54.00	\$6,588.00	
Fertilizer (N) - ANH3	126	Pound	\$0.36	\$45.36	\$5,533.92	
Fertilizer (N) - Liquid	78	Pound	\$0.53	\$41.34	\$5,043.48	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$17.22	\$17.22	\$2,100.45	
Herbicide - Corn Postplant	1	Acre	\$15.56	\$15.56	\$1,898.71	
Insecticide						
Miticide	1	Acre	\$21.02	\$21.02	\$2,564.29	
Miscellaneous						
Crop Insurance Corn Irrigated	1	Acre	\$37.70	\$37.70	\$4,599.40	
Seed						
Seed - Bt Corn for Grain	0.38	Bag	\$290.03	\$110.21	\$13,445.79	
Irrigation						
Energy Cost	22.00	AcreInch	\$3.20	\$70.40	\$8,588.80	
Irrigation Labor	1.41	Hour	\$12.16	\$17.12	\$2,088.61	
Machinery Labor						
Tractors/Self-Propelled	0.99	Hour	\$11.97	\$11.85	\$1,445.42	
Diesel Fuel						
Tractors/Self-Propelled	2.68	Gallon	\$1.97	\$5.28	\$644.11	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.33	\$6.33	\$772.50	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$88.88	\$88.88	\$10,843.36	
Tractors/Self-Propelled	1	Acre	\$3.94	\$3.94	\$480.75	
Implements	1	Acre	\$12.00	\$12.00	\$1,463.45	
Interest on Credit Line			5.15%	\$10.53	\$1,284.44	
Total Variable Costs				\$695.16	\$84,809.15	
Planned Returns Above Variable Costs:				\$227.34	\$27,735.85	
Breakeven Price to Cover Variable Costs			\$3.09	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	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	\$3.92	\$3.92	\$478.56	
Implements	1	Acre	\$14.82	\$14.82	\$1,808.17	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	5.40%	\$1.47	\$179.70	
Irrigation Equipment	\$421.97	Dollars	5.40%	\$22.79	\$2,779.92	
Tractors/Self-Propelled	\$30.56	Dollars	5.40%	\$1.65	\$201.32	
Implements	\$63.40	Dollars	5.40%	\$3.42	\$417.69	
Cash Rent - Corn	1	Acre	\$125.00	\$125.00	\$15,250.00	
Total Fixed Costs				\$199.53	\$24,342.90	
Total Specified Costs				\$894.69	\$109,152.05	
Returns Above Specified Costs				\$27.81	\$3,392.95	
Breakeven Price to Cover Total Costs			\$3.98	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	168.75	\$4.12	\$5.30
90%	202.50	\$3.43	\$4.42
100%	225.00	\$3.09	\$3.98
110%	247.50	\$2.81	\$3.61
125%	281.25	\$2.47	\$3.18

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.