

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 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	\$3.80	\$855.00	\$104,310.00	
Total Revenue				\$855.00	\$104,310.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00	\$1,830.00	
Crop Consultant	1	Acre	\$8.00	\$8.00	\$976.00	
Harvest and Haul - Corn	225	Bushel	\$0.40	\$90.00	\$10,980.00	
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.47	\$28.20	\$3,440.40	
Fertilizer (N) - ANH3	126	Pound	\$0.25	\$31.50	\$3,843.00	
Fertilizer (N) - Liquid	78	Pound	\$0.41	\$31.98	\$3,901.56	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$17.40	\$17.40	\$2,122.80	
Herbicide - Corn Postplant	1	Acre	\$15.70	\$15.70	\$1,915.40	
Insecticide						
Miticide	1	Acre	\$21.00	\$21.00	\$2,562.00	
Miscellaneous						
Crop Insurance Corn Irrigated	1	Acre	\$36.50	\$36.50	\$4,453.00	
Seed						
Seed - Bt Corn for Grain	0.38	Bag	\$280.00	\$106.40	\$12,980.80	
Irrigation						
Energy Cost	22.00	AcreInch	\$3.60	\$79.20	\$9,662.40	
Irrigation Labor	1.41	Hour	\$12.45	\$17.53	\$2,138.61	
Machinery Labor						
Tractors/Self-Propelled	0.99	Hour	\$12.25	\$12.13	\$1,479.56	
Diesel Fuel						
Tractors/Self-Propelled	2.66	Gallon	\$1.81	\$4.81	\$587.38	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.93	\$5.93	\$723.75	
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	\$4.89	\$4.89	\$596.85	
Implements	1	Acre	\$10.78	\$10.78	\$1,315.05	
Interest on Credit Line			5.40%	\$9.96	\$1,214.75	
Total Variable Costs				\$639.55	\$78,025.68	
Planned Returns Above Variable Costs:				\$215.45	\$26,284.32	
Breakeven Price to Cover Variable Costs			\$2.84	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
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	\$4.83	\$4.83	\$588.93	
Implements	1	Acre	\$13.63	\$13.63	\$1,662.38	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	5.65%	\$1.54	\$188.02	
Irrigation Equipment	\$571.72	Dollars	5.65%	\$32.30	\$3,940.88	
Tractors/Self-Propelled	\$37.61	Dollars	5.65%	\$2.12	\$259.22	
Implements	\$58.29	Dollars	5.65%	\$3.29	\$401.79	
Cash Rent - Corn	1	Acre	\$120.00	\$120.00	\$14,640.00	
Total Fixed Costs				\$229.00	\$27,938.16	
Total Specified Costs				\$868.56	\$105,963.84	
Returns Above Specified Costs				(\$13.56)	(\$1,653.84)	
Breakeven Price to Cover Total Costs			\$3.86	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$3.79	\$5.15
90%	202.50	\$3.16	\$4.29
100%	225.00	\$2.84	\$3.86
110%	247.50	\$2.58	\$3.51
125%	281.25	\$2.27	\$3.09

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.