

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Bt Corn for Grain, Furrow Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Corn	200.00	Bushel	\$3.80	\$760.00	\$92,720.00	
Total Revenue				\$760.00	\$92,720.00	
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	200	Bushel	\$0.40	\$80.00	\$9,760.00	
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.47	\$28.20	\$3,440.40	
Fertilizer (N) - ANH3	152	Pound	\$0.25	\$38.00	\$4,636.00	
Fertilizer (N) - Liquid	50	Pound	\$0.41	\$20.50	\$2,501.00	
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	26.00	AcreInch	\$3.60	\$93.60	\$11,419.20	
Irrigation Labor	3.65	Hour	\$12.45	\$45.48	\$5,548.54	
Machinery Labor						
Tractors/Self-Propelled	1.18	Hour	\$12.25	\$14.46	\$1,763.51	
Diesel Fuel						
Tractors/Self-Propelled	3.44	Gallon	\$1.81	\$6.23	\$759.62	
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	\$103.03	\$103.03	\$12,569.68	
Tractors/Self-Propelled	1	Acre	\$6.27	\$6.27	\$764.50	
Implements	1	Acre	\$12.87	\$12.87	\$1,570.52	
Interest on Credit Line			5.40%	\$11.76	\$1,434.79	
Total Variable Costs				\$690.09	\$84,190.52	
Planned Returns Above Variable Costs:				\$69.91	\$8,529.48	
Breakeven Price to Cover Variable Costs			\$3.45	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	\$42.09	\$42.09	\$5,134.40	
Tractors/Self-Propelled	1	Acre	\$6.48	\$6.48	\$789.98	
Implements	1	Acre	\$15.81	\$15.81	\$1,928.70	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	5.65%	\$1.54	\$188.02	
Irrigation Equipment	\$402.11	Dollars	5.65%	\$22.72	\$2,771.75	
Tractors/Self-Propelled	\$50.44	Dollars	5.65%	\$2.85	\$347.71	
Implements	\$67.63	Dollars	5.65%	\$3.82	\$466.16	
Cash Rent - Corn	1	Acre	\$120.00	\$120.00	\$14,640.00	
Total Fixed Costs				\$219.25	\$26,748.67	
Total Specified Costs				\$909.34	\$110,939.19	
Returns Above Specified Costs				(\$149.34)	(\$18,219.19)	
Breakeven Price to Cover Total Costs			\$4.55	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	150.00	\$4.60	\$6.06
90%	180.00	\$3.83	\$5.05
100%	200.00	\$3.45	\$4.55
110%	220.00	\$3.14	\$4.13
125%	250.00	\$2.76	\$3.64

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.