

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Bt Corn for Grain, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Corn	225.00	Bushel	\$4.20	\$945.00	\$115,290.00	
Total Revenue				\$945.00	\$115,290.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$1,958.27	
Crop Consultant	1	Acre	\$8.25	\$8.25	\$1,006.97	
Harvest and Haul - Corn	225	Bushel	\$0.43	\$96.40	\$11,761.10	
Fertilizer						
Fertilizer (P) - Liquid	90	Pound	\$0.48	\$42.98	\$5,243.96	
Fertilizer (N) - ANH3	140	Pound	\$0.29	\$40.18	\$4,901.96	
Fertilizer (N) - Liquid	85	Pound	\$0.48	\$40.95	\$4,995.75	
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$19.28	\$19.28	\$2,352.20	
Herbicide - Corn Postplant	1	Acre	\$17.41	\$17.41	\$2,123.66	
Insecticide						
Miticide	1	Acre	\$22.87	\$22.87	\$2,790.46	
Miscellaneous						
Crop Insurance Corn Irrigated	1	Acre	\$40.15	\$40.15	\$4,898.30	
Seed						
Seed - Bt Corn for Grain	0.38	Bag	\$248.67	\$94.50	\$11,528.53	
Irrigation						
Energy Cost	22.00	AcreInch	\$3.96	\$87.12	\$10,628.64	
Irrigation Labor	1.34	Hour	\$13.65	\$18.35	\$2,238.16	
Machinery Labor						
Tractors/Self-Propelled	0.46	Hour	\$13.43	\$6.18	\$753.69	
Other Labor	0.53	Hour	\$13.43	\$7.12	\$868.38	
Diesel Fuel						
Tractors/Self-Propelled	2.66	Gallon	\$2.33	\$6.20	\$756.13	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.22	\$7.22	\$881.25	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$82.50	\$82.50	\$10,065.00	
Tractors/Self-Propelled	1	Acre	\$4.81	\$4.81	\$587.16	
Implements	1	Acre	\$12.48	\$12.48	\$1,522.71	
Interest on Credit Line			6.25%	\$12.83	\$1,565.19	
Total Variable Costs				\$687.59	\$83,886.49	
Planned Returns Above Variable Costs:				\$257.41	\$31,403.51	
Breakeven Price to Cover Variable Costs			\$3.06	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	\$4.77	\$4.77	\$581.59	
Implements	1	Acre	\$15.78	\$15.78	\$1,925.37	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.25%	\$1.70	\$207.98	
Irrigation Equipment	\$571.72	Dollars	6.25%	\$35.73	\$4,359.38	
Tractors/Self-Propelled	\$37.14	Dollars	6.25%	\$2.32	\$283.18	
Implements	\$67.51	Dollars	6.25%	\$4.22	\$514.77	
Cash Rent - Corn	1	Acre	\$100.00	\$100.00	\$12,200.00	
Total Fixed Costs				\$215.81	\$26,329.22	
Total Specified Costs				\$903.41	\$110,215.70	
Returns Above Specified Costs				\$41.59	\$5,074.30	
Breakeven Price to Cover Total Costs			\$4.02	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$4.07	\$5.35
90%	202.50	\$3.40	\$4.46
100%	225.00	\$3.06	\$4.02
110%	247.50	\$2.78	\$3.65
125%	281.25	\$2.44	\$3.21

Developed by Justin Benavidez, Assistant Professor, 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.