

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Bt Corn for Grain, Strip Till
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn	225.00	Bushel	\$4.20	\$945.00	\$115,290.00	\$115,290.00
Total Revenue				\$945.00	\$115,290.00	\$115,290.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	
Strip Till	1	Acre	\$21.40	\$21.40	\$2,611.03	
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	
Burndown Herbicide	1	Acre	\$21.06	\$21.06	\$2,569.19	
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	20.00	AcreInch	\$3.96	\$79.20	\$9,662.40	
Irrigation Labor	1.28	Hour	\$13.65	\$17.47	\$2,131.58	
Machinery Labor						
Tractors/Self-Propelled	0.15	Hour	\$13.43	\$2.01	\$245.77	
Other Labor	0.15	Hour	\$13.43	\$2.01	\$245.77	
Diesel Fuel						
Tractors/Self-Propelled	0.65	Gallon	\$2.33	\$1.51	\$184.77	
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	\$75.00	\$75.00	\$9,150.00	
Tractors/Self-Propelled	1	Acre	\$1.00	\$1.00	\$121.65	
Implements	1	Acre	\$8.88	\$8.88	\$1,083.09	
Interest on Credit Line			6.25%	\$13.84	\$1,687.98	
Total Variable Costs				\$693.40	\$84,594.63	\$84,594.63
Planned Returns Above Variable Costs:				\$251.60	\$30,695.37	\$30,695.37
Breakeven Price to Cover Variable Costs			\$3.08	Bushel		
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	\$47.34	\$47.34	\$5,775.00	
Tractors/Self-Propelled	1	Acre	\$0.82	\$0.82	\$100.56	
Implements	1	Acre	\$11.41	\$11.41	\$1,392.54	
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	\$6.42	Dollars	6.25%	\$0.40	\$48.96	
Implements	\$48.83	Dollars	6.25%	\$3.05	\$372.31	
Cash Rent - Corn	1	Acre	\$100.00	\$100.00	\$12,200.00	
Total Fixed Costs				\$204.42	\$24,938.68	\$24,938.68
Total Specified Costs				\$897.81	\$109,533.32	\$109,533.32
Returns Above Specified Costs				\$47.19	\$5,756.68	\$5,756.68
Breakeven Price to Cover Total Costs			\$3.99	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$4.11	\$5.32
90%	202.50	\$3.42	\$4.43
100%	225.00	\$3.08	\$3.99
110%	247.50	\$2.80	\$3.63
125%	281.25	\$2.47	\$3.19

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.