

Projections for Planning Purposes Only – Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Bt Corn for Grain, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn	225.00	Bushel	\$3.85	\$866.25	\$105,682.50
Total Revenue				\$866.25	\$105,682.50
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application - ANH3	1	Acre	\$15.36	\$15.36	\$1,873.92
Crop Consultant	1	Acre	\$8.19	\$8.19	\$999.18
Harvest and Haul - Corn	225	Bushel	\$0.41	\$92.25	\$11,254.50
Fertilizer					
Fertilizer (P) - Liquid	60	Pound	\$0.47	\$28.20	\$3,440.40
Fertilizer (N) - ANH3	126	Pound	\$0.24	\$30.24	\$3,689.28
Fertilizer (N) - Liquid	78	Pound	\$0.40	\$31.20	\$3,806.40
Herbicide					
Herbicide - Corn Preplant	1	Acre	\$17.57	\$17.57	\$2,143.54
Herbicide - Corn Postplant	1	Acre	\$15.86	\$15.86	\$1,934.92
Insecticide					
Miticide	1	Acre	\$21.04	\$21.04	\$2,566.88
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$40.15	\$40.15	\$4,898.30
Seed					
Seed - Bt Corn for Grain	0.38	Bag	\$260.00	\$98.80	\$12,053.60
Irrigation					
Energy Cost	22.00	AcreInch	\$3.50	\$77.00	\$9,394.00
Irrigation Labor	1.41	Hour	\$12.64	\$17.80	\$2,171.25
Machinery Labor					
Tractors/Self-Propelled	0.46	Hour	\$12.44	\$5.72	\$698.13
Other Labor	0.52	Hour	\$12.44	\$6.47	\$789.19
Diesel Fuel					
Tractors/Self-Propelled	2.66	Gallon	\$1.99	\$5.29	\$645.79
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.45	\$6.45	\$787.50
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	\$4.75	\$4.75	\$579.83
Implements	1	Acre	\$9.85	\$9.85	\$1,202.13
Interest on Credit Line			5.74%	\$10.82	\$1,319.67
Total Variable Costs				\$635.66	\$77,550.78
Planned Returns Above Variable Costs:				\$230.59	\$28,131.72
Breakeven Price to Cover Variable Costs			\$2.83	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	\$4.70	\$4.70	\$573.25
Implements	1	Acre	\$12.44	\$12.44	\$1,517.12
Equipment Investment					
Pickup/General Use Equipment	\$27.28	Dollars	6.01%	\$1.64	\$200.00
Irrigation Equipment	\$571.72	Dollars	6.01%	\$34.36	\$4,191.98
Tractors/Self-Propelled	\$36.60	Dollars	6.01%	\$2.20	\$268.39
Implements	\$53.20	Dollars	6.01%	\$3.20	\$390.04
Cash Rent - Corn	1	Acre	\$120.00	\$120.00	\$14,640.00
Total Fixed Costs				\$229.82	\$28,037.73
Total Specified Costs				\$865.48	\$105,588.50
Returns Above Specified Costs				\$0.77	\$94.00
Breakeven Price to Cover Total Costs			\$3.85	Bushel	

Example Breakeven Prices

Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$3.77	\$5.13
90%	202.50	\$3.14	\$4.27
100%	225.00	\$2.83	\$3.85
110%	247.50	\$2.57	\$3.50
125%	281.25	\$2.26	\$3.08

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.