

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$4.15	\$933.75	\$113,917.50
Total Revenue					\$933.75	\$113,917.50
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	90	Pound	\$0.54	\$48.60	\$5,929.20
	Fertilizer (N) - ANH3	140	Pound	\$0.28	\$39.20	\$4,782.40
	Fertilizer (N) - Liquid	85	Pound	\$0.47	\$39.95	\$4,873.90
Herbicide						
	Herbicide - Corn Preplant	1	Acre	\$18.32	\$18.32	\$2,235.04
	Herbicide - Corn Postplant	1	Acre	\$16.54	\$16.54	\$2,017.88
Insecticide						
	Miticide	1	Acre	\$21.86	\$21.86	\$2,666.92
Miscellaneous						
	Crop Insurance Corn Irrigated	1	Acre	\$40.15	\$40.15	\$4,898.30
Seed						
	Seed - Bt Corn for Grain	0.38	Bag	\$255.00	\$96.90	\$11,821.80
Irrigation						
	Energy Cost	22.00	AcreInch	\$3.40	\$74.80	\$9,125.60
	Irrigation Labor	1.34	Hour	\$13.24	\$17.79	\$2,170.94
Machinery Labor						
	Tractors/Self-Propelled	0.46	Hour	\$13.03	\$5.99	\$731.24
	Other Labor	0.53	Hour	\$13.03	\$6.91	\$842.52
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	\$4.72	\$4.72	\$575.51
	Implements	1	Acre	\$9.91	\$9.91	\$1,209.56
Interest on Credit Line				6.04%	\$12.19	\$1,487.69
Total Variable Costs					\$669.32	\$81,657.48
Planned Returns Above Variable Costs:					\$264.43	\$32,260.02
Breakeven Price to Cover Variable Costs				\$2.97	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	\$4.65	\$4.65	\$567.59
	Implements	1	Acre	\$12.51	\$12.51	\$1,526.78
Equipment Investment						
	Pickup/General Use Equipment	\$27.28	Dollars	6.32%	\$1.72	\$210.31
	Irrigation Equipment	\$571.72	Dollars	6.32%	\$36.13	\$4,408.20
	Tractors/Self-Propelled	\$36.24	Dollars	6.32%	\$2.29	\$279.45
	Implements	\$53.53	Dollars	6.32%	\$3.38	\$412.77
Cash Rent - Corn		1	Acre	\$120.00	\$120.00	\$14,640.00
Total Fixed Costs					\$231.98	\$28,302.05
Total Specified Costs					\$901.31	\$109,959.54
Returns Above Specified Costs					\$32.44	\$3,957.96
Breakeven Price to Cover Total Costs				\$4.01	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$3.97	\$5.34
90%	202.50	\$3.31	\$4.45
100%	225.00	\$2.97	\$4.01
110%	247.50	\$2.70	\$3.64
125%	281.25	\$2.38	\$3.20

Developed by DeDe Jones, Extension Risk Management Specialist III, 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.