

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 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	\$4.10	\$820.00	\$100,040.00
Total Revenue				\$820.00	\$100,040.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application - ANH3	1	Acre	\$12.07	\$12.07	\$1,472.92
Crop Consultant	1	Acre	\$8.87	\$8.87	\$1,081.60
Harvest and Haul - Corn	200	Bushel	\$0.45	\$90.42	\$11,031.24
Fertilizer					
Fertilizer (P) - Liquid	60	Pound	\$0.90	\$54.00	\$6,588.00
Fertilizer (N) - ANH3	152	Pound	\$0.36	\$54.72	\$6,675.84
Fertilizer (N) - Liquid	50	Pound	\$0.53	\$26.50	\$3,233.00
Herbicide					
Herbicide - Corn Preplant	1	Acre	\$17.22	\$17.22	\$2,100.45
Herbicide - Corn Postplant	1	Acre	\$15.56	\$15.56	\$1,898.71
Insecticide					
Miticide	1	Acre	\$21.02	\$21.02	\$2,564.29
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$37.70	\$37.70	\$4,599.40
Seed					
Seed - Bt Corn for Grain	0.38	Bag	\$290.03	\$110.21	\$13,445.79
Irrigation					
Energy Cost	26.00	AcreInch	\$3.20	\$83.20	\$10,150.40
Irrigation Labor	3.65	Hour	\$12.16	\$44.42	\$5,418.81
Machinery Labor					
Tractors/Self-Propelled	1.19	Hour	\$11.97	\$14.24	\$1,737.42
Diesel Fuel					
Tractors/Self-Propelled	3.45	Gallon	\$1.97	\$6.80	\$829.17
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.33	\$6.33	\$772.50
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	\$5.31	\$5.31	\$648.36
Implements	1	Acre	\$13.11	\$13.11	\$1,599.01
Interest on Credit Line			5.15%	\$12.20	\$1,488.01
Total Variable Costs				\$740.69	\$90,363.62
Planned Returns Above Variable Costs:				\$79.31	\$9,676.38
Breakeven Price to Cover Variable Costs			\$3.70	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	\$14.42	\$14.42	\$1,759.40
Tractors/Self-Propelled	1	Acre	\$5.49	\$5.49	\$669.97
Implements	1	Acre	\$16.07	\$16.07	\$1,960.68
Equipment Investment					
Pickup/General Use Equipment	\$27.28	Dollars	5.40%	\$1.47	\$179.70
Irrigation Equipment	\$199.24	Dollars	5.40%	\$10.76	\$1,312.61
Tractors/Self-Propelled	\$42.78	Dollars	5.40%	\$2.31	\$281.84
Implements	\$68.75	Dollars	5.40%	\$3.71	\$452.92
Cash Rent - Corn	1	Acre	\$125.00	\$125.00	\$15,250.00
Total Fixed Costs				\$183.19	\$22,349.06
Total Specified Costs				\$923.87	\$112,712.67
Returns Above Specified Costs				(\$103.87)	(\$12,672.67)
Breakeven Price to Cover Total Costs			\$4.62	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	150.00	\$4.94	\$6.16
90%	180.00	\$4.11	\$5.13
100%	200.00	\$3.70	\$4.62
110%	220.00	\$3.37	\$4.20
125%	250.00	\$2.96	\$3.70

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension.

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.