

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Bt Corn for Grain, Sprinkler Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122			
REVENUE					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn	225.00	Bushel	\$4.37	\$983.25	\$119,956.50
Total Revenue				\$983.25	\$119,956.50
VARIABLE COSTS					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application - ANH3	1	Acre	\$11.75	\$11.75	\$1,433.50
Crop Consultant	1	Acre	\$8.63	\$8.63	\$1,052.86
Harvest and Haul - Corn	225	Bushel	\$0.44	\$99.00	\$12,078.00
Fertilizer					
Fertilizer (P) - Liquid	60	Pound	\$0.85	\$51.00	\$6,222.00
Fertilizer (N) - ANH3	126	Pound	\$0.40	\$50.40	\$6,148.80
Fertilizer (N) - Liquid	78	Pound	\$0.55	\$42.90	\$5,233.80
Herbicide					
Herbicide - Corn Preplant	1	Acre	\$17.70	\$17.70	\$2,159.40
Herbicide - Corn Postplant	1	Acre	\$16.00	\$16.00	\$1,952.00
Insecticide					
Miticide	1	Acre	\$22.00	\$22.00	\$2,684.00
Seed					
Seed - Bt Corn for Grain	0.38	Bag	\$287.50	\$109.25	\$13,328.50
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$25.63	\$25.63	\$3,127.10
Irrigation					
Energy Cost	22.00	AcreInch	\$4.30	\$94.60	\$11,541.20
Irrigation Labor	1.41	Hour	\$11.75	\$16.54	\$2,018.37
Machinery Labor					
Tractors/Self-Propelled	0.99	Hour	\$11.75	\$11.63	\$1,419.17
Diesel Fuel					
Tractors/Self-Propelled	2.68	Gallon	\$3.30	\$8.84	\$1,078.97
Gasoline					
Pickup/General Use Equipment	1	Acre	\$9.19	\$9.19	\$1,121.25
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	\$3.94	\$3.94	\$480.75
Implements	1	Acre	\$12.00	\$12.00	\$1,463.45
Interest on Credit Line			4.90%	\$10.21	\$1,245.83
Total Variable Costs				\$713.86	\$87,091.31
Planned Returns Above Variable Costs:				\$269.39	\$32,865.19
Breakeven Price to Cover Variable Costs			\$3.17	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	\$22.50	\$22.50	\$2,745.60
Tractors/Self-Propelled	1	Acre	\$3.92	\$3.92	\$478.56
Implements	1	Acre	\$14.82	\$14.82	\$1,808.17
Equipment Investment					
Pickup/General Use Equipment	\$47.03	Dollars	5.40%	\$2.54	\$309.83
Irrigation Equipment	\$703.28	Dollars	5.40%	\$37.98	\$4,633.20
Tractors/Self-Propelled	\$44.29	Dollars	5.40%	\$2.39	\$291.76
Implements	\$115.28	Dollars	5.40%	\$6.22	\$759.43
Cash Rent - Corn	1	Acre	\$133.00	\$133.00	\$16,226.00
Total Fixed Costs				\$227.33	\$27,734.50
Total Specified Costs				\$941.20	\$114,825.80
Returns Above Specified Costs				\$42.05	\$5,130.70
Breakeven Price to Cover Total Costs			\$4.18	Bushel	

Example Breakeven Prices						
Example Yield Percent	Example Yield Bushel	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	168.75	\$4.23	\$4.23	\$5.58	\$5.58	\$0.00
90%	202.50	\$3.53	\$3.53	\$4.65	\$4.65	\$0.00
100%	225.00	\$3.17	\$3.17	\$4.18	\$4.18	\$0.00
110%	247.50	\$2.88	\$2.88	\$3.80	\$3.80	\$0.00
125%	281.25	\$2.54	\$2.54	\$3.35	\$3.35	\$0.00

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.