

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 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	\$4.82	\$1,084.50	\$132,309.00
Total Revenue					\$1,084.50	\$132,309.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
	Seed - Bt Corn for Grain	0.38	Bag	\$280.00	\$106.40	\$12,980.80
Fertilizer						
	Fertilizer (N) - ANH3	126	Pound	\$0.38	\$47.88	\$5,841.36
	Fertilizer (P) - Liquid	60	Pound	\$0.79	\$47.40	\$5,782.80
	Fertilizer (N) - Liquid	78	Pound	\$0.64	\$49.92	\$6,090.24
Herbicide						
	Herbicide - Corn Preplant	1	Acre	\$17.36	\$17.36	\$2,117.41
	Herbicide - Corn Postplant	1	Acre	\$15.69	\$15.69	\$1,914.08
Insecticide						
	Miticide	1	Acre	\$21.52	\$21.52	\$2,626.04
Miscellaneous						
	Crop Insurance Corn Irrigated	1	Acre	\$25.63	\$25.63	\$3,127.10
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	\$0.43	\$96.75	\$11,803.50
Irrigation						
	Energy or Water 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	0.84	Hour	\$11.75	\$9.87	\$1,204.14
Diesel Fuel						
	Tractors/Self-Propelled	2.17	Gallon	\$3.28	\$7.12	\$868.35
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$9.99	\$9.99	\$1,218.75
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	\$7.46	\$7.46	\$909.94
	Implements	1	Acre	\$15.13	\$15.13	\$1,845.37
	Interest on Credit Line			4.75%	\$9.94	\$1,212.09
Total Variable Costs					\$712.22	\$86,890.26
Planned Returns Above Variable Costs:					\$372.28	\$45,418.74
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	\$7.24	\$7.24	\$882.86
	Implements	1	Acre	\$19.10	\$19.10	\$2,330.02
Equipment Investment						
	Pickup/General Use Equipment	\$47.03	Dollars	5.25%	\$2.47	\$301.22
	Irrigation Equipment	\$703.28	Dollars	5.25%	\$36.92	\$4,504.50
	Tractors/Self-Propelled	\$81.70	Dollars	5.25%	\$4.29	\$523.31
	Implements	\$148.54	Dollars	5.25%	\$7.80	\$951.42
	Cash Rent - Corn	1	Acre	\$140.00	\$140.00	\$17,080.00
Total Fixed Costs					\$244.27	\$29,800.89
Total Specified Costs					\$956.48	\$116,691.15
Returns Above Specified Costs					\$128.02	\$15,617.85
Breakeven Price to Cover Total Costs				\$4.25	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	\$4.22	\$4.22	\$5.67	\$5.67	\$0.00
90%	202.50	\$3.52	\$3.52	\$4.72	\$4.72	\$0.00
100%	225.00	\$3.17	\$3.17	\$4.25	\$4.25	\$0.00
110%	247.50	\$2.88	\$2.88	\$3.86	\$3.86	\$0.00
125%	281.25	\$2.53	\$2.53	\$3.40	\$3.40	\$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.