

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Bt Corn for Grain, Strip Till - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn	225.00	Bushel	\$4.10	\$922.50	\$112,545.00	\$112,545.00
Total Revenue				\$922.50	\$112,545.00	\$112,545.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Fertilizer Application - ANH3	1	Acre	\$12.07	\$12.07	\$1,472.92	\$1,472.92
Crop Consultant	1	Acre	\$8.87	\$8.87	\$1,081.60	\$1,081.60
Harvest and Haul - Corn	225	Bushel	\$0.45	\$101.72	\$12,410.15	\$12,410.15
Strip Till	1	Acre	\$17.88	\$17.88	\$2,181.18	\$2,181.18
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.90	\$54.00	\$6,588.00	\$6,588.00
Fertilizer (N) - ANH3	126	Pound	\$0.36	\$45.36	\$5,533.92	\$5,533.92
Fertilizer (N) - Liquid	78	Pound	\$0.53	\$41.34	\$5,043.48	\$5,043.48
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$17.22	\$17.22	\$2,100.45	\$2,100.45
Herbicide - Corn Postplant	1	Acre	\$15.56	\$15.56	\$1,898.71	\$1,898.71
Burndown Herbicide	1	Acre	\$18.96	\$18.96	\$2,313.55	\$2,313.55
Insecticide						
Miticide	1	Acre	\$21.02	\$21.02	\$2,564.29	\$2,564.29
Miscellaneous						
Crop Insurance Corn Irrigated	1	Acre	\$37.70	\$37.70	\$4,599.40	\$4,599.40
Seed						
Seed - Bt Corn for Grain	0.38	Bag	\$290.03	\$110.21	\$13,445.79	\$13,445.79
Irrigation						
Energy Cost	20.00	AcreInch	\$3.20	\$64.00	\$7,808.00	\$7,808.00
Irrigation Labor	1.28	Hour	\$12.16	\$15.56	\$1,898.73	\$1,898.73
Machinery Labor						
Tractors/Self-Propelled	0.3	Hour	\$11.97	\$3.59	\$438.01	\$438.01
Diesel Fuel						
Tractors/Self-Propelled	0.65	Gallon	\$1.97	\$1.28	\$156.22	\$156.22
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.33	\$6.33	\$772.50	\$772.50
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	\$459.00
Irrigation Equipment	1	Acre	\$80.80	\$80.80	\$9,857.60	\$9,857.60
Tractors/Self-Propelled	1	Acre	\$0.72	\$0.72	\$88.14	\$88.14
Implements	1	Acre	\$7.47	\$7.47	\$911.87	\$911.87
Interest on Credit Line			5.15%	\$11.47	\$1,399.84	\$1,399.84
Total Variable Costs				\$696.91	\$85,023.36	\$85,023.36
Planned Returns Above Variable Costs:				\$225.59	\$27,521.64	\$27,521.64
Breakeven Price to Cover Variable Costs			\$3.10	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95	\$481.95
Irrigation Equipment	1	Acre	\$22.50	\$22.50	\$2,745.60	\$2,745.60
Tractors/Self-Propelled	1	Acre	\$0.60	\$0.60	\$72.86	\$72.86
Implements	1	Acre	\$9.61	\$9.61	\$1,172.41	\$1,172.41
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	5.40%	\$1.47	\$179.70	\$179.70
Irrigation Equipment	\$421.97	Dollars	5.40%	\$22.79	\$2,779.92	\$2,779.92
Tractors/Self-Propelled	\$4.65	Dollars	5.40%	\$0.25	\$30.65	\$30.65
Implements	\$41.11	Dollars	5.40%	\$2.22	\$270.83	\$270.83
Cash Rent - Corn	1	Acre	\$125.00	\$125.00	\$15,250.00	\$15,250.00
Total Fixed Costs				\$188.39	\$22,983.92	\$22,983.92
Total Specified Costs				\$885.31	\$108,007.27	\$108,007.27
Returns Above Specified Costs				\$37.19	\$4,537.73	\$4,537.73
Breakeven Price to Cover Total Costs			\$3.93	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%	168.75	\$4.13	\$5.25
90%	202.50	\$3.44	\$4.37
100%	225.00	\$3.10	\$3.93
110%	247.50	\$2.82	\$3.58
125%	281.25	\$2.48	\$3.15

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.