

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 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	\$4.82	\$1,084.50	\$132,309.00	\$132,309.00
Total Revenue				\$1,084.50	\$132,309.00	\$132,309.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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						
Burndown Herbicide	1	Acre	\$19.50	\$19.50	\$2,378.48	
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						
Strip Till	1	Acre	\$16.98	\$16.98	\$2,071.56	
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	20.00	AcreInch	\$4.30	\$86.00	\$10,492.00	
Irrigation Labor	1.28	Hour	\$11.75	\$15.04	\$1,834.88	
Machinery Labor						
Tractors/Self-Propelled	0.3	Hour	\$11.75	\$3.53	\$430.05	
Diesel Fuel						
Tractors/Self-Propelled	0.58	Gallon	\$3.28	\$1.90	\$232.09	
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	\$80.80	\$80.80	\$9,857.60	
Tractors/Self-Propelled	1	Acre	\$2.28	\$2.28	\$277.77	
Implements	1	Acre	\$12.20	\$12.20	\$1,487.94	
Interest on Credit Line			4.75%	\$9.40	\$1,146.73	
Total Variable Costs				\$710.30	\$86,656.55	
Planned Returns Above Variable Costs:				\$374.20	\$45,652.45	
Breakeven Price to Cover Variable Costs			\$3.16	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	\$1.88	\$1.88	\$229.62	
Implements	1	Acre	\$15.68	\$15.68	\$1,913.06	
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	\$21.25	Dollars	5.25%	\$1.12	\$136.11	
Implements	\$121.96	Dollars	5.25%	\$6.40	\$781.17	
Cash Rent - Corn	1	Acre	\$140.00	\$140.00	\$17,080.00	
Total Fixed Costs				\$230.93	\$28,173.23	
Total Specified Costs				\$941.23	\$114,829.78	
Returns Above Specified Costs				\$143.27	\$17,479.22	
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	\$4.21	\$4.21	\$5.58	\$5.58	\$0.00
90%	202.50	\$3.51	\$3.51	\$4.65	\$4.65	\$0.00
100%	225.00	\$3.16	\$3.16	\$4.18	\$4.18	\$0.00
110%	247.50	\$2.87	\$2.87	\$3.80	\$3.80	\$0.00
125%	281.25	\$2.53	\$2.53	\$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.