

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 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
Corn	225.00	Bushel	\$3.80	\$855.00	\$104,310.00
<b>Total Revenue</b>				<b>\$855.00</b>	<b>\$104,310.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Custom					
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00	\$1,830.00
Crop Consultant	1	Acre	\$8.00	\$8.00	\$976.00
Harvest and Haul - Corn	225	Bushel	\$0.40	\$90.00	\$10,980.00
Strip Till	1	Acre	\$20.00	\$20.00	\$2,440.00
Fertilizer					
Fertilizer (P) - Liquid	60	Pound	\$0.47	\$28.20	\$3,440.40
Fertilizer (N) - ANH3	126	Pound	\$0.25	\$31.50	\$3,843.00
Fertilizer (N) - Liquid	78	Pound	\$0.41	\$31.98	\$3,901.56
Herbicide					
Herbicide - Corn Preplant	1	Acre	\$17.40	\$17.40	\$2,122.80
Herbicide - Corn Postplant	1	Acre	\$15.70	\$15.70	\$1,915.40
Burndown Herbicide	1	Acre	\$19.00	\$19.00	\$2,318.00
Insecticide					
Miticide	1	Acre	\$21.00	\$21.00	\$2,562.00
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$36.50	\$36.50	\$4,453.00
Seed					
Seed - Bt Corn for Grain	0.38	Bag	\$280.00	\$106.40	\$12,980.80
Irrigation					
Energy Cost	20.00	AcreInch	\$3.60	\$72.00	\$8,784.00
Irrigation Labor	1.28	Hour	\$12.45	\$15.94	\$1,944.19
Machinery Labor					
Tractors/Self-Propelled	0.3	Hour	\$12.25	\$3.68	\$448.35
Diesel Fuel					
Tractors/Self-Propelled	0.65	Gallon	\$1.81	\$1.18	\$143.53
Gasoline					
Pickup/General Use Equipment	1	Acre	\$5.93	\$5.93	\$723.75
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	\$1.10	\$1.10	\$134.59
Implements	1	Acre	\$7.74	\$7.74	\$944.60
Interest on Credit Line			5.40%	\$10.99	\$1,340.65
<b>Total Variable Costs</b>				<b>\$643.80</b>	<b>\$78,543.22</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$211.20</b>	<b>\$25,766.78</b>
Breakeven Price to Cover Variable Costs			\$2.86	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	\$47.34	\$47.34	\$5,775.00
Tractors/Self-Propelled	1	Acre	\$0.91	\$0.91	\$111.26
Implements	1	Acre	\$9.95	\$9.95	\$1,214.49
Equipment Investment					
Pickup/General Use Equipment	\$27.28	Dollars	5.65%	\$1.54	\$188.02
Irrigation Equipment	\$571.72	Dollars	5.65%	\$32.30	\$3,940.88
Tractors/Self-Propelled	\$7.10	Dollars	5.65%	\$0.40	\$48.97
Implements	\$42.58	Dollars	5.65%	\$2.41	\$293.53
Cash Rent - Corn	1	Acre	\$120.00	\$120.00	\$14,640.00
<b>Total Fixed Costs</b>				<b>\$218.80</b>	<b>\$26,694.10</b>
<b>Total Specified Costs</b>				<b>\$862.60</b>	<b>\$105,237.32</b>
Returns Above Specified Costs				(\$7.60)	(\$927.32)
<b>Breakeven Price to Cover Total Costs</b>			<b>\$3.83</b>	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$3.82	\$5.11
90%	202.50	\$3.18	\$4.26
100%	225.00	\$2.86	\$3.83
110%	247.50	\$2.60	\$3.49
125%	281.25	\$2.29	\$3.07

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-677-5600.

**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.**