

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Bt Corn for Grain, Strip Till
Panhandle Extension District - 1

Crop Acres		122				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
Corn		225.00	Bushel	\$3.85	\$866.25	\$105,682.50
Total Revenue					\$866.25	\$105,682.50
VARIABLE COSTS						
		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Custom						
Fertilizer Application - ANH3		1	Acre	\$15.36	\$15.36	\$1,873.92
Crop Consultant		1	Acre	\$8.19	\$8.19	\$999.18
Harvest and Haul - Corn		225	Bushel	\$0.41	\$92.25	\$11,254.50
Strip Till		1	Acre	\$20.48	\$20.48	\$2,498.56
Fertilizer						
Fertilizer (P) - Liquid		60	Pound	\$0.47	\$28.20	\$3,440.40
Fertilizer (N) - ANH3		126	Pound	\$0.24	\$30.24	\$3,689.28
Fertilizer (N) - Liquid		78	Pound	\$0.40	\$31.20	\$3,806.40
Herbicide						
Herbicide - Corn Preplant		1	Acre	\$17.57	\$17.57	\$2,143.54
Herbicide - Corn Postplant		1	Acre	\$15.86	\$15.86	\$1,934.92
Burndown Herbicide		1	Acre	\$19.19	\$19.19	\$2,341.18
Insecticide						
Miticide		1	Acre	\$21.04	\$21.04	\$2,566.88
Miscellaneous						
Crop Insurance Corn Irrigated		1	Acre	\$40.15	\$40.15	\$4,898.30
Seed						
Seed - Bt Corn for Grain		0.38	Bag	\$260.00	\$98.80	\$12,053.60
Irrigation						
Energy Cost		20.00	AcreInch	\$3.50	\$70.00	\$8,540.00
Irrigation Labor		1.28	Hour	\$12.64	\$16.18	\$1,973.86
Machinery Labor						
Tractors/Self-Propelled		0.15	Hour	\$12.44	\$1.87	\$227.65
Other Labor		0.15	Hour	\$12.44	\$1.87	\$227.65
Diesel Fuel						
Tractors/Self-Propelled		0.65	Gallon	\$1.99	\$1.29	\$157.81
Gasoline						
Pickup/General Use Equipment		1	Acre	\$6.45	\$6.45	\$787.50
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	\$1.03	\$1.03	\$125.38
Implements		1	Acre	\$6.58	\$6.58	\$803.19
Interest on Credit Line				5.74%	\$11.66	\$1,422.14
Total Variable Costs					\$640.02	\$78,082.44
Planned Returns Above Variable Costs:					\$226.23	\$27,600.06
Breakeven Price to Cover Variable Costs				\$2.84	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	\$0.85	\$0.85	\$103.65
Implements		1	Acre	\$8.46	\$8.46	\$1,032.67
Equipment Investment						
Pickup/General Use Equipment		\$27.28	Dollars	6.01%	\$1.64	\$200.00
Irrigation Equipment		\$571.72	Dollars	6.01%	\$34.36	\$4,191.98
Tractors/Self-Propelled		\$6.62	Dollars	6.01%	\$0.40	\$48.53
Implements		\$36.21	Dollars	6.01%	\$2.18	\$265.49
Cash Rent - Corn		1	Acre	\$120.00	\$120.00	\$14,640.00
Total Fixed Costs					\$219.17	\$26,739.26
Total Specified Costs					\$859.19	\$104,821.70
Returns Above Specified Costs					\$7.06	\$860.80
Breakeven Price to Cover Total Costs				\$3.82	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	168.75	\$3.79	\$5.09
90%	202.50	\$3.16	\$4.24
100%	225.00	\$2.84	\$3.82
110%	247.50	\$2.59	\$3.47
125%	281.25	\$2.28	\$3.05

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.