

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Irrigated Corn - 122 Acres
South Plains Extension District - 2

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn	210.00	Bushel	\$4.20	\$882.00	\$107,604.00
Total Revenue				\$882.00	\$107,604.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Crop Consultant	1	Acre	\$6.00	\$6.00	\$732.00
Harvest and Haul - Corn	210	Bushel	\$0.34	\$71.40	\$8,710.80
Fertilizer Application - Liquid High	1	Acre	\$4.75	\$4.75	\$579.50
Fertilizer Application - Dry	1	Acre	\$3.50	\$3.50	\$427.00
Fertilizer Application - NH3	1	Acre	\$3.50	\$3.50	\$427.00
Fertilizer					
Fertilizer (N) - Liquid	120	Pound	\$0.40	\$47.81	\$5,833.13
Fertilizer (P) - Dry	108	Pound	\$0.46	\$49.33	\$6,017.88
Fertilizer (N) - NH3	150	Pound	\$0.37	\$54.88	\$6,695.12
Herbicide					
Herbicide and Apply Corn	1	Acre	\$42.35	\$42.35	\$5,166.70
Insecticide					
Insecticide and Apply Corn	1	Acre	\$25.00	\$25.00	\$3,050.00
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$15.50	\$15.50	\$1,891.00
Seed					
Seed - Corn	0.4375	Bag	\$272.00	\$119.00	\$14,518.00
Irrigation					
Energy Cost	24.00	AcreInch	\$11.00	\$264.00	\$32,208.00
Irrigation Labor	0.90	Hour	\$12.00	\$10.80	\$1,317.60
Machinery Labor					
Tractors/Self-Propelled	1	Hour	\$12.00	\$12.00	\$1,464.00
Diesel Fuel					
Tractors/Self-Propelled	2.4	Gallon	\$1.84	\$4.42	\$538.75
Gasoline					
Pickup/General Use Equipment	1	Acre	\$3.88	\$3.88	\$472.88
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment	1	Acre	\$42.00	\$42.00	\$5,124.00
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$732.00
Implements	1	Acre	\$3.00	\$3.00	\$366.00
Interest on Credit Line			6.00%	\$13.42	\$1,637.01
Total Variable Costs				\$803.03	\$97,969.37
Planned Returns Above Variable Costs:				\$78.97	\$9,634.63
Breakeven Price to Cover Variable Costs			\$3.82	Bushel	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Fixed Costs					
Pickup/General Use Equipment	1	Acre	\$1.25	\$1.25	\$152.50
Irrigation Equipment	1	Acre	\$55.00	\$55.00	\$6,710.00
Tractors/Self-Propelled	1	Acre	\$12.00	\$12.00	\$1,464.00
Implements	1	Acre	\$10.00	\$10.00	\$1,220.00
Management Fee, Owner/Operator Labor	1	Acre	\$30.00	\$30.00	\$3,660.00
Cash Rent - Corn	1	Acre	\$130.00	\$130.00	\$15,860.00
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00
Total Fixed Costs				\$240.25	\$29,310.50
Total Specified Costs				\$1,043.28	\$127,279.87
Returns Above Specified Costs				(\$161.28)	(\$19,675.87)
Breakeven Price to Cover Total Costs			\$4.97	Bushel	

Example Breakeven Prices				
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs	
75%	157.50	\$5.10	\$6.62	
90%	189.00	\$4.25	\$5.52	
100%	210.00	\$3.82	\$4.97	
110%	231.00	\$3.48	\$4.52	
125%	262.50	\$3.06	\$3.97	

Developed by Jackie Smith, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-746-6101.

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.