

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Irrigated Corn - 122 Acres
South Plains Extension District - 2

Crop Acres		122		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Corn	210.00	Bushel	\$4.25	\$892.50	\$108,885.00
Total Revenue				\$892.50	\$108,885.00
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	\$0.58	\$69.36	\$8,461.92
Fertilizer (N) - NH3	150	Pound	\$0.38	\$56.70	\$6,917.40
Fertilizer (P) - Dry	108	Pound	\$0.57	\$61.24	\$7,470.79
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
Seed					
Seed - Corn	0.4375	Bag	\$272.00	\$119.00	\$14,518.00
Miscellaneous					
Crop Insurance Corn Irrigated	1	Acre	\$15.50	\$15.50	\$1,891.00
Irrigation					
Energy Cost	24.00	AcreInch	\$9.00	\$216.00	\$26,352.00
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	\$3.00	\$7.20	\$878.40
Gasoline					
Pickup/General Use Equipment	2	Gallon	\$2.25	\$4.50	\$549.00
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%	\$13.06	\$1,592.90
Total Variable Costs				\$793.35	\$96,789.01
Planned Returns Above Variable Costs:				\$99.15	\$12,095.99
Breakeven Price to Cover Variable Costs			\$3.78	Bushel	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Investment					
Pickup/General Use Equipment	\$17.89	Dollars	7.00%	\$1.25	\$152.78
Irrigation Equipment	\$785.72	Dollars	7.00%	\$55.00	\$6,710.01
Tractors/Self-Propelled	\$171.40	Dollars	7.00%	\$12.00	\$1,463.76
Implements	\$142.90	Dollars	7.00%	\$10.00	\$1,220.37
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00
Cash Rent - Corn	1	Acre	\$130.00	\$130.00	\$15,860.00
Total Fixed Costs				\$210.25	\$25,650.91
Total Specified Costs				\$1,003.61	\$122,439.92
Returns Above Specified Costs				(\$111.11)	(\$13,554.92)
Breakeven Price to Cover Total Costs			\$4.78	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%	157.50	\$5.04	\$5.04	\$6.37	\$6.37	\$0.00
90%	189.00	\$4.20	\$4.20	\$5.31	\$5.31	\$0.00
100%	210.00	\$3.78	\$3.78	\$4.78	\$4.78	\$0.00
110%	231.00	\$3.43	\$3.43	\$4.34	\$4.34	\$0.00
125%	262.50	\$3.02	\$3.02	\$3.82	\$3.82	\$0.00

Developed by Jackie Smith, 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.