

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Irrigated Corn
South Plains Extension District - 2

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn	210.00	Bushel	\$4.00	\$840.00	\$102,480.00
Total Revenue				\$840.00	\$102,480.00
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	\$0.35	\$73.50	\$8,967.00
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	\$0.39	\$46.88	\$5,718.75
Fertilizer (P) - Dry	108	Pound	\$0.51	\$55.04	\$6,714.69
Fertilizer (N) - NH3	150	Pound	\$0.30	\$45.73	\$5,579.27
Herbicide					
Herbicide and Apply Corn	1	Acre	\$45.00	\$45.00	\$5,490.00
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	22.00	AcreInch	\$10.00	\$220.00	\$26,840.00
Irrigation Labor	1.25	Hour	\$12.00	\$15.00	\$1,830.00
Machinery Labor					
Tractors/Self-Propelled	0.46	Hour	\$12.00	\$5.52	\$673.44
Other Labor	0.54	Hour	\$12.00	\$6.48	\$790.56
Diesel Fuel					
Tractors/Self-Propelled	2.4	Gallon	\$2.30	\$5.52	\$673.44
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.00	\$6.00	\$732.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment	1	Acre	\$40.00	\$40.00	\$4,880.00
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%	\$13.15	\$1,604.20
Total Variable Costs				\$764.56	\$93,276.85
Planned Returns Above Variable Costs:				\$75.44	\$9,203.15
Breakeven Price to Cover Variable Costs			\$3.64	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	\$25.00	\$25.00	\$3,050.00
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				\$235.25	\$28,700.50
Total Specified Costs				\$999.81	\$121,977.35
Returns Above Specified Costs				(\$159.81)	(\$19,497.35)
Breakeven Price to Cover Total Costs			\$4.76	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	157.50	\$4.85	\$6.35
90%	189.00	\$4.05	\$5.29
100%	210.00	\$3.64	\$4.76
110%	231.00	\$3.31	\$4.33
125%	262.50	\$2.91	\$3.81

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.