

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Irrigated Corn - 122 Acres
Southwest Extension District - 10

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn	140.00	Bushel	\$3.30	\$462.00	\$56,364.00
Total Revenue				\$462.00	\$56,364.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Haul Corn	140	Bushel	\$0.16	\$22.40	\$2,732.80
Fertilizer					
UAN(32% N)	2.75	CWT	\$12.00	\$33.00	\$4,026.00
Fertilizer 18-46-0	174	Pound	\$0.22	\$38.28	\$4,670.16
Herbicide					
Glyphosate	4.4	Pint	\$2.25	\$9.90	\$1,207.80
Insecticide					
Oberon 2 SC	2	Ounce	\$3.19	\$6.38	\$778.36
Miscellaneous					
Crop Insurance - Corn Irrigated	1	Acre	\$43.00	\$43.00	\$5,246.00
Miscellaneous Corn Overhead	1	Acre	\$4.00	\$4.00	\$488.00
Seed					
Corn Seed BtRR	30	Thousand	\$3.20	\$96.00	\$11,712.00
Irrigation					
Energy Cost	1625.00	kWh	\$0.17	\$276.25	\$33,702.50
Machinery Labor					
Tractors/Self-Propelled	0.96	Hour	\$12.00	\$11.52	\$1,405.44
Diesel Fuel					
Tractors/Self-Propelled	8.5	Gallon	\$1.83	\$15.56	\$1,897.71
Gasoline					
Pickup/General Use Equipment	1	Acre	\$20.23	\$20.23	\$2,467.54
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37
Irrigation Equipment	1	Acre	\$16.90	\$16.90	\$2,061.80
Tractors/Self-Propelled	1	Acre	\$26.51	\$26.51	\$3,234.63
Implements	1	Acre	\$16.22	\$16.22	\$1,979.05
Interest on Credit Line			6.50%	\$23.66	\$2,886.45
Total Variable Costs				\$664.64	\$81,086.61
Planned Returns Above Variable Costs:				(\$202.64)	(\$24,722.61)
Breakeven Price to Cover Variable Costs			\$4.75	Bushel	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85
Irrigation Equipment	1	Acre	\$46.33	\$46.33	\$5,652.72
Tractors/Self-Propelled	1	Acre	\$27.30	\$27.30	\$3,330.77
Implements	1	Acre	\$19.19	\$19.19	\$2,341.05
Equipment Investment					
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77
Irrigation Equipment	\$347.50	Dollars	6.50%	\$22.59	\$2,755.70
Tractors/Self-Propelled	\$208.07	Dollars	6.50%	\$13.52	\$1,650.03
Implements	\$90.76	Dollars	6.50%	\$5.90	\$719.74
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$216.87	\$26,457.63
Total Specified Costs				\$881.51	\$107,544.23
Returns Above Specified Costs				(\$419.51)	(\$51,180.23)
Breakeven Price to Cover Total Costs			\$6.30	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	105.00	\$6.33	\$8.40
90%	126.00	\$5.27	\$7.00
100%	140.00	\$4.75	\$6.30
110%	154.00	\$4.32	\$5.72
125%	175.00	\$3.80	\$5.04

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

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.