

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 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	\$4.32	\$604.80	\$73,785.60
Total Revenue				\$604.80	\$73,785.60
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	\$16.00	\$44.00	\$5,368.00
Fertilizer 18-46-0	174	Pound	\$0.27	\$46.98	\$5,731.56
Herbicide					
Glyphosate	4.4	Pint	\$2.00	\$8.80	\$1,073.60
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	\$2.96	\$88.80	\$10,833.60
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	\$2.10	\$17.85	\$2,177.70
Gasoline					
Pickup/General Use Equipment	1	Acre	\$19.35	\$19.35	\$2,361.29
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	\$25.06	\$25.06	\$3,057.04
Implements	1	Acre	\$16.83	\$16.83	\$2,053.12
Interest on Credit Line			6.50%	\$24.26	\$2,959.32
Total Variable Costs				\$677.22	\$82,620.49
Planned Returns Above Variable Costs:				(\$72.42)	(\$8,834.89)
Breakeven Price to Cover Variable Costs			\$4.84	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	\$25.92	\$25.92	\$3,162.82
Implements	1	Acre	\$19.96	\$19.96	\$2,435.26
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	\$197.75	Dollars	6.50%	\$12.85	\$1,568.16
Implements	\$92.62	Dollars	6.50%	\$6.02	\$734.50
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$215.71	\$26,316.76
Total Specified Costs				\$892.93	\$108,937.26
Returns Above Specified Costs				(\$288.13)	(\$35,151.66)
Breakeven Price to Cover Total Costs			\$6.38	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	105.00	\$6.45	\$8.50
90%	126.00	\$5.37	\$7.09
100%	140.00	\$4.84	\$6.38
110%	154.00	\$4.40	\$5.80
125%	175.00	\$3.87	\$5.10

Developed by Rob Hogan, Associate 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.