

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Irrigated Winter Wheat
Southwest Extension District - 10

Crop Acres		122		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Winter Wheat	70.00	Bushel	\$4.95	\$346.50	\$42,273.00
Total Revenue				\$346.50	\$42,273.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Seed					
Wheat Seed Public	60	Pound	\$0.18	\$10.50	\$1,281.00
Fertilizer					
UAN(32% N)	2.8	CWT	\$13.00	\$36.40	\$4,440.80
Fertilizer 18-46-0	87	Pound	\$0.29	\$25.23	\$3,078.06
Custom					
Haul Wheat	70	Bushel	\$0.14	\$9.80	\$1,195.60
Miscellaneous					
Crop Insurance - Wheat Irrigated	1	Acre	\$9.00	\$9.00	\$1,098.00
Insecticide					
Lorsban 4E	1	Pint	\$5.03	\$5.03	\$613.66
Fungicides					
Quilt	10.5	Ounce	\$1.80	\$18.90	\$2,305.80
Herbicide					
2, 4-D Amine 4	16	Ounce	\$0.17	\$2.72	\$331.84
Irrigation					
Energy Cost	396.00	kWh	\$0.17	\$67.32	\$8,213.04
Irrigation Labor	0.05	Hour	\$11.00	\$0.53	\$64.42
Machinery Labor					
Tractors/Self-Propelled	0.85	Hour	\$12.00	\$10.20	\$1,244.40
Other Labor	0.28	Hour	\$8.50	\$2.38	\$290.36
Diesel Fuel					
Tractors/Self-Propelled	7.95	Gallon	\$2.99	\$23.77	\$2,900.00
Gasoline					
Pickup/General Use Equipment	1	Acre	\$27.97	\$27.97	\$3,412.06
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37
Irrigation Equipment	1	Acre	\$3.73	\$3.73	\$455.39
Tractors/Self-Propelled	1	Acre	\$25.98	\$25.98	\$3,169.26
Implements	1	Acre	\$16.27	\$16.27	\$1,984.67
Interest on Credit Line			6.50%	\$7.81	\$953.35
Total Variable Costs				\$308.38	\$37,622.07
Planned Returns Above Variable Costs:				\$38.12	\$4,650.93
Breakeven Price to Cover Variable Costs			\$4.41	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	\$80.58	\$80.58	\$9,831.25
Tractors/Self-Propelled	1	Acre	\$26.81	\$26.81	\$3,270.83
Implements	1	Acre	\$20.36	\$20.36	\$2,484.27
Equipment Investment					
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77
Irrigation Equipment	\$646.00	Dollars	6.50%	\$41.99	\$5,122.81
Tractors/Self-Propelled	\$204.09	Dollars	6.50%	\$13.27	\$1,618.46
Implements	\$96.16	Dollars	6.50%	\$6.25	\$762.55
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$271.29	\$33,097.79
Total Specified Costs				\$579.67	\$70,719.86
Returns Above Specified Costs				(\$233.17)	(\$28,446.86)
Breakeven Price to Cover Total Costs			\$8.28	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	52.50	\$5.87	\$11.04
90%	63.00	\$4.89	\$9.20
100%	70.00	\$4.41	\$8.28
110%	77.00	\$4.00	\$7.53
125%	87.50	\$3.52	\$6.62

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.