

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

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Winter Wheat	70.00	Bushel	\$3.10	\$217.00	\$26,474.00	\$26,474.00
Total Revenue				\$217.00	\$26,474.00	\$26,474.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.14	\$2.24	\$273.28	\$273.28
Seed						
Wheat Seed Public	60	Pound	\$0.18	\$10.50	\$1,281.00	\$1,281.00
Fertilizer						
UAN(32% N)	2.8	CWT	\$12.00	\$33.60	\$4,099.20	\$4,099.20
Fertilizer 18-46-0	87	Pound	\$0.22	\$19.14	\$2,335.08	\$2,335.08
Custom						
Haul Wheat	70	Bushel	\$0.14	\$9.80	\$1,195.60	\$1,195.60
Miscellaneous						
Crop Insurance - Wheat Irrigated	1	Acre	\$9.00	\$9.00	\$1,098.00	\$1,098.00
Insecticide						
Lorsban 4E	1	Pint	\$5.03	\$5.03	\$613.66	\$613.66
Fungicides						
Quilt	10.5	Ounce	\$1.80	\$18.90	\$2,305.80	\$2,305.80
Irrigation						
Energy Cost	390.00	kWh	\$0.17	\$66.30	\$8,088.60	\$8,088.60
Machinery Labor						
Tractors/Self-Propelled	1.13	Hour	\$12.00	\$13.56	\$1,654.32	\$1,654.32
Diesel Fuel						
Tractors/Self-Propelled	8.01	Gallon	\$1.83	\$14.66	\$1,788.31	\$1,788.31
Gasoline						
Pickup/General Use Equipment	1	Acre	\$20.23	\$20.23	\$2,467.54	\$2,467.54
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37	\$590.37
Irrigation Equipment	1	Acre	\$4.06	\$4.06	\$494.83	\$494.83
Tractors/Self-Propelled	1	Acre	\$25.37	\$25.37	\$3,095.32	\$3,095.32
Implements	1	Acre	\$15.91	\$15.91	\$1,941.29	\$1,941.29
Interest on Credit Line			6.50%	\$6.78	\$827.49	\$827.49
Total Variable Costs				\$279.92	\$34,149.71	\$34,149.71
Planned Returns Above Variable Costs:				(\$62.92)	(\$7,675.71)	(\$7,675.71)
Breakeven Price to Cover Variable Costs			\$4.00	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85	\$3,074.85
Irrigation Equipment	1	Acre	\$34.75	\$34.75	\$4,239.44	\$4,239.44
Tractors/Self-Propelled	1	Acre	\$26.12	\$26.12	\$3,186.82	\$3,186.82
Implements	1	Acre	\$19.85	\$19.85	\$2,421.66	\$2,421.66
Equipment Investment						
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77	\$832.77
Irrigation Equipment	\$260.62	Dollars	6.50%	\$16.94	\$2,066.73	\$2,066.73
Tractors/Self-Propelled	\$198.88	Dollars	6.50%	\$12.93	\$1,577.14	\$1,577.14
Implements	\$93.59	Dollars	6.50%	\$6.08	\$742.16	\$742.16
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	\$6,100.00
Total Fixed Costs				\$198.70	\$24,241.57	\$24,241.57
Total Specified Costs				\$478.62	\$58,391.27	\$58,391.27
Returns Above Specified Costs				(\$261.62)	(\$31,917.27)	(\$31,917.27)
Breakeven Price to Cover Total Costs			\$6.84	Bushel		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Bushel	Costs	Costs
75%	52.50	\$5.33	\$9.12
90%	63.00	\$4.44	\$7.60
100%	70.00	\$4.00	\$6.84
110%	77.00	\$3.64	\$6.22
125%	87.50	\$3.20	\$5.47

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.