

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Irrigated Winter Wheat
Southwest Extension District - 10

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Winter Wheat	70.00	Bushel	\$4.60	\$322.00	\$322.00	\$39,284.00
Total Revenue				\$322.00	\$322.00	\$39,284.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Wheat Seed Public	60	Pound	\$0.38	\$22.50	\$22.50	\$2,745.00
Fertilizer						
UAN(32% N)	2.8	CWT	\$12.95	\$36.26	\$36.26	\$4,423.72
Fertilizer 18-46-0	87	Pound	\$0.25	\$21.32	\$21.32	\$2,600.43
Custom						
Haul Wheat	70	Bushel	\$0.14	\$9.80	\$9.80	\$1,195.60
Miscellaneous						
Crop Insurance - Wheat Irrigated	1	Acre	\$9.00	\$9.00	\$9.00	\$1,098.00
Insecticide						
Lorsban 4E	1	Pint	\$4.52	\$4.52	\$4.52	\$551.32
Fungicides						
Quilt	10.5	Ounce	\$1.43	\$15.06	\$15.06	\$1,837.43
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.15	\$2.37	\$2.37	\$289.02
Irrigation						
Energy Cost	396.00	kWh	\$0.17	\$67.32	\$67.32	\$8,213.04
Irrigation Labor	0.05	Hour	\$11.00	\$0.53	\$0.53	\$64.42
Machinery Labor						
Tractors/Self-Propelled	0.85	Hour	\$12.00	\$10.20	\$10.20	\$1,244.40
Other Labor	0.28	Hour	\$8.50	\$2.38	\$2.38	\$290.36
Diesel Fuel						
Tractors/Self-Propelled	7.95	Gallon	\$2.49	\$19.80	\$19.80	\$2,415.05
Gasoline						
Pickup/General Use Equipment	1	Acre	\$23.13	\$23.13	\$23.13	\$2,821.74
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$4.84	\$590.37
Irrigation Equipment	1	Acre	\$3.73	\$3.73	\$3.73	\$455.39
Tractors/Self-Propelled	1	Acre	\$27.65	\$27.65	\$27.65	\$3,373.34
Implements	1	Acre	\$17.25	\$17.25	\$17.25	\$2,104.43
Interest on Credit Line			6.50%	\$7.81	\$7.81	\$952.97
Total Variable Costs				\$305.46	\$305.46	\$37,266.03
Planned Returns Above Variable Costs:				\$16.54	\$16.54	\$2,017.97
Breakeven Price to Cover Variable Costs			\$4.36	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$25.20	\$3,074.85
Irrigation Equipment	1	Acre	\$80.58	\$80.58	\$80.58	\$9,831.25
Tractors/Self-Propelled	1	Acre	\$28.71	\$28.71	\$28.71	\$3,502.80
Implements	1	Acre	\$21.60	\$21.60	\$21.60	\$2,634.68
Equipment Investment						
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$6.83	\$832.77
Irrigation Equipment	\$646.00	Dollars	6.50%	\$41.99	\$41.99	\$5,122.81
Tractors/Self-Propelled	\$218.61	Dollars	6.50%	\$14.21	\$14.21	\$1,733.57
Implements	\$101.40	Dollars	6.50%	\$6.59	\$6.59	\$804.12
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$275.71	\$275.71	\$33,636.85
Total Specified Costs				\$581.17	\$581.17	\$70,902.88
Returns Above Specified Costs				(\$259.17)	(\$259.17)	(\$31,618.88)
Breakeven Price to Cover Total Costs			\$8.30	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	52.50	\$5.82	\$11.07
90%	63.00	\$4.85	\$9.22
100%	70.00	\$4.36	\$8.30
110%	77.00	\$3.97	\$7.55
125%	87.50	\$3.49	\$6.64

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.