

Projections for Planning Purposes Only -- Not to be Used without Updating
2024 Estimated Costs and Returns per Acre
Irrigated Wheat
South Plains Extension District - 2

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Wheat	60.00	Bushel	\$6.00	\$360.00		\$43,920.00
Grazing - Wheat Irrigated	136.00	Pound	\$0.55	\$74.80		\$9,125.60
Total Revenue				\$434.80		\$53,045.60
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Seed - Wheat	1.5	Bushel	\$25.00	\$37.50		\$4,575.00
Fertilizer						
Fertilizer (P) - Liquid	56	Pound	\$0.88	\$49.50		\$6,039.49
Fertilizer (N) - Liquid	50	Pound	\$0.61	\$30.55		\$3,727.10
Fertilizer (N) - NH3	90	Pound	\$0.47	\$42.30		\$5,160.60
Custom						
Harvest and Haul - Wheat Irrigated	60	Bushel	\$0.50	\$30.00		\$3,660.00
Fertilizer Application - NH3	1	Acre	\$3.50	\$3.50		\$427.00
Fertilizer Application - Liquid Low	1	Acre	\$3.50	\$3.50		\$427.00
Fertilizer Application - Liquid High	1	Acre	\$4.75	\$4.75		\$579.50
Miscellaneous						
Crop Insurance Wheat Irrigated	1	Acre	\$23.00	\$23.00		\$2,806.00
Insecticide						
Insecticide and Apply Wheat	1	Acre	\$11.00	\$11.00		\$1,342.00
Irrigation						
Energy Cost	14.00	AcreInch	\$10.00	\$140.00		\$17,080.00
Irrigation Labor	1.00	Hour	\$12.00	\$12.00		\$1,464.00
Machinery Labor						
Tractors/Self-Propelled	0.47	Hour	\$12.00	\$5.64		\$688.08
Other Labor	0.53	Hour	\$12.00	\$6.36		\$775.92
Diesel Fuel						
Tractors/Self-Propelled	2.4	Gallon	\$3.00	\$7.20		\$878.11
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.20	\$5.20		\$634.75
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50		\$61.00
Irrigation Equipment	1	Acre	\$25.25	\$25.25		\$3,080.50
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00		\$732.00
Implements	1	Acre	\$3.00	\$3.00		\$366.00
Interest on Credit Line			9.00%	\$23.87		\$2,912.17
Total Variable Costs				\$470.62		\$57,416.21
Planned Returns Above Variable Costs:				(\$35.82)		(\$4,370.61)
Breakeven Price to Cover Variable Costs			\$6.60	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Equipment Fixed Costs						
Pickup/General Use Equipment	1	Acre	\$1.25	\$1.25		\$152.50
Irrigation Equipment	1	Acre	\$55.00	\$55.00		\$6,710.00
Tractors/Self-Propelled	1	Acre	\$12.00	\$12.00		\$1,464.00
Implements	1	Acre	\$10.00	\$10.00		\$1,220.00
Management Fee, Owner/Operator Labor	1	Acre	\$25.00	\$25.00		\$3,050.00
Cash Rent - Wheat Irrigated	1	Acre	\$100.00	\$100.00		\$12,200.00
Whole Farm Insurance	1	Acre	\$2.00	\$2.00		\$244.00
Total Fixed Costs				\$205.25		\$25,040.50
Total Specified Costs				\$675.87		\$82,456.71
Returns Above Specified Costs				(\$241.07)		(\$29,411.11)
Breakeven Price to Cover Total Costs			\$10.02	Bushel		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	45.00	\$8.80	\$13.36
90%	54.00	\$7.33	\$11.13
100%	60.00	\$6.60	\$10.02
110%	66.00	\$6.00	\$9.11
125%	75.00	\$5.28	\$8.01

Developed by Agricultural Economists, Texas A&M AgriLife Extension. 806-746-6101

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.