Projections for Planning Purposes Only -- Not to be Used without Updating

2018 Estimated Costs and Returns per Acre

Irrigated Soybeans

South Plains Extension District - 2

Crop Acres	122				
REVENUE	Quantity	Units	$/Unit	Total	Enterprise Total
Soybeans	40.00	Bushel	$9.00	$360.00	$43,920.00
Total Revenue				$360.00	$43,920.00
VARIABLE COSTS	Quantity	Units	$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Herbicide and Apply Soybeans	1	Acre	$18.00	$18.00	$2,196.00
Seed					
Seed - Soybeans	60	Pound	$0.65	$39.00	$4,758.00
Innoculant Soybeans	1	Acre	$7.00	$7.00	$854.00
Fertilizer					
Fertilizer (P) - Liquid	45	Pound	$0.57	$25.81	$3,148.68
Custom					
Harvest and Haul - Soybeans	40	Bushel	$0.50	$20.00	$2,440.00
Miscellaneous					
Crop Insurance Soybeans	1	Acre	$23.00	$23.00	$2,806.00
Crop Insurance Hail Soybeans	2	Acre	$6.00	$12.00	$1,464.00
Insecticide					
Insecticide and Apply Soybeans	1	Acre	$5.12	$5.12	$624.64
Irrigation					
Energy Cost	15.00	AcreInch	$10.00	$150.00	$18,300.00
Irrigation Labor	1.00	Hour	$12.00	$12.00	$1,464.00
Machinery Labor					
Tractors/Self-Propelled	0.7	Hour	$12.00	$8.40	$1,024.80
Other Labor	0.8	Hour	$12.00	$9.60	$1,171.20
Diesel Fuel					
Tractors/Self-Propelled	3.8	Gallon	$2.30	$8.74	$1,066.28
Gasoline					
Pickup/General Use Equipment	1	Acre	$6.00	$6.00	$732.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	$0.50	$0.50	$61.00
Irrigation Equipment	1	Acre	$26.25	$26.25	$3,202.50
Tractors/Self-Propelled	1	Acre	$6.00	$6.00	$732.00
Implements	1	Acre	$3.00	$3.00	$366.00
Interest on Credit Line			6.00%	$7.64	$932.31
Total Variable Costs				$388.06	$47,343.40
Planned Returns Above Variable Costs:				($28.06)	($3,423.40)
Breakeven Price to Cover Variable Costs			$9.70	Bushel	
FIXED COSTS	Quantity	Units	$/Unit	Total	Enterprise Total
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 - Soybeans	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				$593.31	$72,383.90
Returns Above Specified Costs				($233.31)	($28,463.90)
Breakeven Price to Cover Total Costs			$14.83	Bushel	

Example Breakeven Prices

Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	30.00	$12.94	$19.78
90%	36.00	$10.78	$16.48
100%	40.00	$9.70	$14.83
110%	44.00	$8.82	$13.48
125%	50.00	$7.76	$11.87

Developed by Jackie Smith, Professor and Extension Economist, 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.