

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 Estimated Costs and Returns per Acre
Trans Pecos Cotton, Center Pivot Irrigated, 40 Inch Rows
Far West Extension District - 6

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		Total
Cotton Lint	1,500.00	Pound	\$0.90	\$1,350.00		\$164,700.00
Cotton Seed	1.40	Ton	\$300.00	\$420.00		\$51,240.00
Total Revenue				\$1,770.00		\$215,940.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise Total
Production Costs						
Seed						
Cotton Seed BIRR - Irrigated	40	Thousand	\$1.65	\$66.09		\$8,062.61
Fertilizer						
Potash 0-0-60	75	Pound	\$0.42	\$31.50		\$3,843.00
N-32	140	Pound	\$0.53	\$74.20		\$9,052.40
Phosphoric Acid	32	Pound	\$0.41	\$13.12		\$1,600.64
Custom						
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50		\$61.00
Custom Spray	2	Acre	\$6.39	\$12.78		\$1,559.16
Bag, Tie	2.5	Bale	\$15.00	\$37.50		\$4,575.00
Gin and Haul	53.57	CWT	\$3.75	\$200.89		\$24,508.28
Herbicide						
Trifluralin Pint	2	Pint	\$2.75	\$5.50		\$671.00
Caparol 4L Ounce	24	Ounce	\$0.25	\$6.09		\$743.42
Glyphosate Ounce Generic	64	Ounce	\$0.13	\$8.50		\$1,037.00
Direx 4L	2	Pint	\$2.74	\$5.48		\$668.56
Mepiquat Chloride-PGR	22	Ounce	\$0.06	\$1.38		\$167.75
Other Chemicals						
Ethephon 6 Pint	1.5	Pint	\$3.81	\$5.72		\$697.69
Firestorm (3lb Paraquat)	28	Ounce	\$0.18	\$5.03		\$613.81
Cutout	5	Ounce	\$0.92	\$4.61		\$562.34
Miscellaneous						
Boll Weevil Eradication Program	3	Bale	\$1.00	\$3.00		\$366.00
IRR Cotton RP, 70% Ent, SE, Pecos	1	Acre	\$18.98	\$18.98		\$2,315.56
Irrigation						
Energy Cost	27.00	AcreInch	\$6.71	\$181.28		\$22,115.56
Irrigation Labor	0.12	Hour	\$17.50	\$2.07		\$252.36
Machinery Labor						
Tractors/Self-Propelled	1.54	Hour	\$17.21	\$26.50		\$3,233.41
Diesel Fuel						
Tractors/Self-Propelled	12.14	Gallon	\$2.24	\$27.19		\$3,317.62
Gasoline						
Pickup/General Use Equipment	1	Acre	\$11.77	\$11.77		\$1,435.83
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.20	\$3.20		\$390.92
Irrigation Equipment	1	Acre	\$71.21	\$71.21		\$8,687.60
Tractors/Self-Propelled	1	Acre	\$35.46	\$35.46		\$4,326.38
Implements	1	Acre	\$13.65	\$13.65		\$1,665.38
Interest on Credit Line			8.00%	\$18.05		\$2,202.33
Total Variable Costs				\$891.25		\$108,732.60
Planned Returns Above Variable Costs:				\$878.75		\$107,207.40
Breakeven Price to Cover Variable Costs			\$0.31	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise Total
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$9.15	\$9.15		\$1,116.45
Irrigation Equipment	1	Acre	\$59.23	\$59.23		\$7,226.00
Tractors/Self-Propelled	1	Acre	\$39.23	\$39.23		\$4,786.35
Implements	1	Acre	\$17.13	\$17.13		\$2,090.30
Equipment Investment						
Pickup/General Use Equipment	\$45.17	Dollars	8.00%	\$3.61		\$440.82
Irrigation Equipment	\$444.22	Dollars	8.00%	\$35.54		\$4,335.60
Tractors/Self-Propelled	\$338.02	Dollars	8.00%	\$27.04		\$3,299.04
Implements	\$98.22	Dollars	8.00%	\$7.86		\$958.63
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00		\$6,100.00
Total Fixed Costs				\$248.80		\$30,353.19
Total Specified Costs				\$1,140.05		\$139,085.80
Returns Above Specified Costs				\$629.95		\$76,854.20
Breakeven Price to Cover Total Costs			\$0.48	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1125.00	\$0.42	\$0.64
90%	1350.00	\$0.35	\$0.53
100%	1500.00	\$0.31	\$0.48
110%	1650.00	\$0.29	\$0.44
125%	1875.00	\$0.25	\$0.38

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.