

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

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Cotton Lint	1,400.00	Pound	\$0.90	\$1,260.00	\$153,720.00
Cotton Seed	1.01	Ton	\$300.00	\$303.87	\$37,072.14
Total Revenue				\$1,563.87	\$190,792.14
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Trifluralin Pint	2	Pint	\$2.75	\$5.50	\$671.00
Mepiquat Chloride-PGR	22	Ounce	\$0.06	\$1.38	\$167.75
Glyphosate Ounce Generic	64	Ounce	\$0.13	\$8.50	\$1,037.00
Seed					
Cotton Seed BIIRRF - 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					
Custom Spray	2	Acre	\$6.39	\$12.78	\$1,559.16
Bag, Tie	3	Bale	\$15.00	\$45.00	\$5,490.00
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$61.00
Miscellaneous					
Boll Weevil Eradication Program	2.8	Bale	\$1.00	\$2.80	\$341.60
IRR Cotton RP, 70% Ent, SE, Pecos Co.	1	Acre	\$18.98	\$18.98	\$2,315.56
Other Labor					
Hand Labor TP	0.7764	Hour	\$10.00	\$7.76	\$947.21
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
Irrigation					
Energy Cost	28.00	AcreInch	\$5.09	\$142.51	\$17,386.31
Irrigation Labor	1.00	Hour	\$17.50	\$17.50	\$2,135.00
Machinery Labor					
Tractors/Self-Propelled	1.62	Hour	\$17.21	\$27.88	\$3,401.38
Diesel Fuel					
Tractors/Self-Propelled	12.72	Gallon	\$2.24	\$28.49	\$3,476.12
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	\$13.05	\$13.05	\$1,591.51
Tractors/Self-Propelled	1	Acre	\$32.76	\$32.76	\$3,996.91
Implements	1	Acre	\$14.92	\$14.92	\$1,820.05
Interest on Credit Line			8.00%	\$15.31	\$1,868.04
Total Variable Costs				\$610.86	\$74,524.84
Planned Returns Above Variable Costs:				\$953.01	\$116,267.30
Breakeven Price to Cover Variable Costs			\$0.22	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	\$54.37	\$54.37	\$6,633.33
Tractors/Self-Propelled	1	Acre	\$36.53	\$36.53	\$4,457.15
Implements	1	Acre	\$18.56	\$18.56	\$2,264.29
Equipment Investment					
Pickup/General Use Equipment	\$45.17	Dollars	8.00%	\$3.61	\$440.82
Irrigation Equipment	\$407.79	Dollars	8.00%	\$32.62	\$3,980.00
Tractors/Self-Propelled	\$318.15	Dollars	8.00%	\$25.45	\$3,105.10
Implements	\$104.32	Dollars	8.00%	\$8.35	\$1,018.18
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$238.65	\$29,115.33
Total Specified Costs				\$849.51	\$103,640.17
Returns Above Specified Costs				\$714.36	\$87,151.97
Breakeven Price to Cover Total Costs			\$0.39	Pound	

Example Breakeven Prices			
Exmpl Yield Percen	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1050.00	\$0.29	\$0.52
90%	1260.00	\$0.24	\$0.43
100%	1400.00	\$0.22	\$0.39
110%	1540.00	\$0.20	\$0.35
125%	1750.00	\$0.18	\$0.31

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.