

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Trans Pecos Cotton, Furrow Irrigated, 40 Inch Rows - 122 Acres
Far West Extension District - 6

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Cotton Lint	1,400.00	Pound	\$0.63	\$882.00	\$107,604.00
Cotton Seed	1.01	Ton	\$220.00	\$222.84	\$27,186.24
Total Revenue				\$1,104.84	\$134,790.24
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Trifluralin Pint	2	Pint	\$2.94	\$5.88	\$717.36
Mepiquat Chloride-PGR	22	Ounce	\$0.08	\$1.72	\$209.69
Glyphosate Ounce Generic 4lb	64	Ounce	\$0.07	\$4.48	\$546.56
Seed					
Cotton Seed BIIRRF	40	Thousand	\$1.28	\$51.20	\$6,246.40
Fertilizer					
N-32	140	Pound	\$0.39	\$54.60	\$6,661.20
Phosphoric Acid	32	Pound	\$0.29	\$9.28	\$1,132.16
0-60-0	75	Pound	\$0.27	\$20.25	\$2,470.50
Custom					
Custom Spray	2	Acre	\$4.00	\$8.00	\$976.00
Gin and Haul	53.57	CWT	\$2.50	\$133.93	\$16,338.85
Bag, Tie	3	Bale	\$15.00	\$45.00	\$5,490.00
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$61.00
Miscellaneous					
IRR Cotton RP, 70% Ent, SE, Pecos C	1	Acre	\$21.11	\$21.11	\$2,575.42
Other Labor					
Hand Labor TP	0.7764	Hour	\$10.00	\$7.76	\$947.21
Other Chemicals					
Ethephon 6 Pint	1.5	Pint	\$2.50	\$3.75	\$457.50
Adios	5	Ounce	\$0.84	\$4.22	\$514.69
Firestorm (3lb Paraquat)	28	Ounce	\$0.13	\$3.64	\$444.08
Irrigation					
Energy Cost	28.00	AcreInch	\$5.09	\$142.51	\$17,386.31
Irrigation Labor	1.00	Hour	\$12.00	\$12.00	\$1,464.00
Machinery Labor					
Tractors/Self-Propelled	2.38	Hour	\$12.00	\$28.56	\$3,484.32
Diesel Fuel					
Tractors/Self-Propelled	15.92	Gallon	\$1.75	\$27.86	\$3,398.92
Gasoline					
Pickup/General Use Equipment	1	Acre	\$11.83	\$11.83	\$1,442.70
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	\$30.28	\$30.28	\$3,694.03
Implements	1	Acre	\$16.99	\$16.99	\$2,073.07
Interest on Credit Line			6.50%	\$10.04	\$1,224.90
Total Variable Costs				\$671.63	\$81,939.29
Planned Returns Above Variable Costs:				\$433.20	\$52,850.94
Breakeven Price to Cover Variable Costs			\$0.32	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	\$35.21	\$35.21	\$4,296.08
Implements	1	Acre	\$21.17	\$21.17	\$2,582.84
Equipment Investment					
Pickup/General Use Equipment	\$45.17	Dollars	6.50%	\$2.94	\$358.17
Irrigation Equipment	\$407.79	Dollars	6.50%	\$26.51	\$3,233.75
Tractors/Self-Propelled	\$305.91	Dollars	6.50%	\$19.88	\$2,425.84
Implements	\$126.60	Dollars	6.50%	\$8.23	\$1,003.96
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
Total Fixed Costs				\$217.46	\$26,530.41
Total Specified Costs				\$889.10	\$108,469.70
Returns Above Specified Costs				\$215.74	\$26,320.53
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%	1050.00	\$0.43	\$0.63
90%	1260.00	\$0.36	\$0.53
100%	1400.00	\$0.32	\$0.48
110%	1540.00	\$0.29	\$0.43
125%	1750.00	\$0.26	\$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.