

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 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	1,500.00	Pound	\$0.56	\$840.00	\$102,480.00
Cotton Seed	1.20	Ton	\$175.00	\$210.00	\$25,620.00
<b>Total Revenue</b>				<b>\$1,050.00</b>	<b>\$128,100.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
<b>Herbicide</b>					
Trifluralin Pint	2	Pint	\$2.81	\$5.63	\$686.25
Mepiquat Chloride-PGR	22	Ounce	\$0.08	\$1.72	\$209.69
Glyphosate Ounce Generic 4lb	64	Ounce	\$0.13	\$8.00	\$976.00
<b>Seed</b>					
Cotton Seed BIIRRF	40	Thousand	\$1.65	\$66.00	\$8,052.00
<b>Fertilizer</b>					
N-32	140	Pound	\$0.50	\$70.00	\$8,540.00
Phosphoric Acid	32	Pound	\$0.29	\$9.28	\$1,132.16
Phosphate 0-46-0	75	Pound	\$0.38	\$28.50	\$3,477.00
<b>Custom</b>					
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
<b>Miscellaneous</b>					
IRR Cotton RP, 70% Ent, SE, Pecos C	1	Acre	\$19.87	\$19.87	\$2,424.14
<b>Other Labor</b>					
Hand Labor TP	0.7764	Hour	\$10.00	\$7.76	\$947.21
<b>Other Chemicals</b>					
Ethephon 6 Pint	1.5	Pint	\$2.56	\$3.84	\$468.48
Adios	5	Ounce	\$0.84	\$4.22	\$514.69
Firestorm (3lb Paraquat)	28	Ounce	\$0.21	\$5.80	\$707.22
<b>Irrigation</b>					
Energy Cost	27.00	AcreInch	\$3.36	\$90.70	\$11,065.14
Irrigation Labor	0.60	Hour	\$12.00	\$7.20	\$878.40
<b>Machinery Labor</b>					
Tractors/Self-Propelled	2.39	Hour	\$12.00	\$28.68	\$3,498.96
<b>Diesel Fuel</b>					
Tractors/Self-Propelled	15.95	Gallon	\$1.50	\$23.93	\$2,918.85
<b>Gasoline</b>					
Pickup/General Use Equipment	1	Acre	\$11.26	\$11.26	\$1,374.00
<b>Repairs &amp; Maintenance</b>					
Pickup/General Use Equipment	1	Acre	\$3.20	\$3.20	\$390.92
Irrigation Equipment	1	Acre	\$12.58	\$12.58	\$1,534.67
Tractors/Self-Propelled	1	Acre	\$26.69	\$26.69	\$3,255.91
Implements	1	Acre	\$16.74	\$16.74	\$2,041.77
Interest on Credit Line			6.50%	\$10.02	\$1,222.08
<b>Total Variable Costs</b>				<b>\$649.03</b>	<b>\$79,181.39</b>
<b>Planned Returns Above Variable Costs:</b>				\$400.97	\$48,918.61
<b>Breakeven Price to Cover Variable Costs</b>				\$0.29	Pound
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Machinery Depreciation</b>					
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	\$31.50	\$31.50	\$3,842.71
Implements	1	Acre	\$20.67	\$20.67	\$2,522.22
<b>Equipment Investment</b>					
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	\$276.96	Dollars	6.50%	\$18.00	\$2,196.26
Implements	\$121.44	Dollars	6.50%	\$7.89	\$963.06
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
<b>Total Fixed Costs</b>				<b>\$211.03</b>	<b>\$25,745.94</b>
<b>Total Specified Costs</b>				<b>\$860.06</b>	<b>\$104,927.33</b>
<b>Returns Above Specified Costs</b>				\$189.94	\$23,172.67
<b>Breakeven Price to Cover Total Costs</b>				\$0.43	Pound

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Pound	Costs	Costs
75%	1125.00	\$0.39	\$0.58
90%	1350.00	\$0.33	\$0.48
100%	1500.00	\$0.29	\$0.43
110%	1650.00	\$0.27	\$0.39
125%	1875.00	\$0.23	\$0.35

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

**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.**