

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 Estimated Costs and Returns per Acre
St. Lawrence Reduced Tillage Cotton, Drip 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	1.20	Ton	\$300.00	\$360.00	\$43,920.00	
Total Revenue				\$1,710.00	\$208,620.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Herbicide						
Trifluralin Pint	1.5	Pint	\$2.75	\$4.13	\$503.25	
Glyphosate Ounce Generic 4lb 0-60-0	32	Ounce	\$0.13	\$4.25	\$518.50	
0-60-0	32	Pound	\$1.29	\$41.28	\$5,036.16	
Seed						
Cotton Seed BIIRRF - Irrigated	40	Thousand	\$1.65	\$66.09	\$8,062.61	
Fertilizer						
Nitrogen - Dry (Urea 45-0-0)	11	Pound	\$0.56	\$6.16	\$751.52	
Potash 0-0-60	90	Pound	\$0.42	\$37.80	\$4,611.60	
N-32	140	Pound	\$0.53	\$74.20	\$9,052.40	
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	3	Bale	\$15.00	\$45.00	\$5,490.00	
Gin and Haul	53.57	CWT	\$3.75	\$200.89	\$24,508.28	
Miscellaneous						
IRR Cotton RP 70% ent, SE, Glasscock Cr	1	Acre	\$25.98	\$25.98	\$3,169.56	
Other Chemicals						
Mepiquat Chloride-PGR	16	Ounce	\$0.06	\$1.00	\$122.00	
Cotton Harvest						
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	17.99	AcreInch	\$12.58	\$226.25	\$27,602.74	
Irrigation Labor	3.04	Hour	\$17.50	\$53.19	\$6,489.12	
Machinery Labor						
Tractors/Self-Propelled	1.42	Hour	\$17.21	\$24.44	\$2,981.46	
Other Labor	0.22	Hour	\$17.21	\$3.79	\$461.92	
Diesel Fuel						
Tractors/Self-Propelled	13.33	Gallon	\$2.24	\$29.86	\$3,642.82	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.60	\$5.60	\$683.43	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.73	\$1.73	\$210.92	
Irrigation Equipment	1	Acre	\$9.68	\$9.68	\$1,181.45	
Tractors/Self-Propelled	1	Acre	\$33.48	\$33.48	\$4,084.99	
Implements	1	Acre	\$14.30	\$14.30	\$1,745.15	
Interest on Credit Line			8.00%	\$20.28	\$2,474.67	
Total Variable Costs				\$958.02	\$116,878.53	
Planned Returns Above Variable Costs:				\$751.98	\$91,741.47	
Breakeven Price to Cover Variable Costs			\$0.40	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.62	\$3.62	\$441.45	
Irrigation Equipment	1	Acre	\$95.92	\$95.92	\$11,702.20	
Tractors/Self-Propelled	1	Acre	\$39.45	\$39.45	\$4,813.08	
Implements	1	Acre	\$17.99	\$17.99	\$2,194.49	
Equipment Investment						
Pickup/General Use Equipment	\$22.11	Dollars	8.00%	\$1.77	\$215.82	
Irrigation Equipment	\$978.57	Dollars	8.00%	\$78.29	\$9,550.88	
Tractors/Self-Propelled	\$339.86	Dollars	8.00%	\$27.19	\$3,317.07	
Implements	\$101.87	Dollars	8.00%	\$8.15	\$994.29	
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$322.37	\$39,329.29	
Total Specified Costs				\$1,280.39	\$156,207.82	
Returns Above Specified Costs				\$429.61	\$52,412.18	
Breakeven Price to Cover Total Costs			\$0.61	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1125.00	\$0.53	\$0.82
90%	1350.00	\$0.44	\$0.68
100%	1500.00	\$0.40	\$0.61
110%	1650.00	\$0.36	\$0.56
125%	1875.00	\$0.32	\$0.49

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.