

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 Estimated Costs and Returns per Acre
St. Lawrence Auxin Technology Cotton, Drip Irrigated, 40 Inch Rows
Far West Extension District - 6

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise 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	64	Ounce	\$0.13	\$8.50	\$1,037.00
Auxin based herbicide	44	Ounce	\$0.50	\$22.00	\$2,684.00
Seed					
Seed Cotton - B2XF	40	Thousand	\$1.79	\$71.48	\$8,720.35
Fertilizer					
Nitrogen - Dry (Urea 46-0-0)	11	Pound	\$0.56	\$6.16	\$751.52
0-60-0	90	Pound	\$1.29	\$116.10	\$14,164.20
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, Glassco	1	Acre	\$25.98	\$25.98	\$3,169.56
Boll Weevil Eradication Program	3	Bale	\$1.00	\$3.00	\$366.00
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%	\$24.06	\$2,935.88
Total Variable Costs				\$1,033.46	\$126,082.42
Planned Returns Above Variable Costs:				\$676.54	\$82,537.58
Breakeven Price to Cover Variable Costs			\$0.45	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				\$1,355.83	\$165,411.70
Returns Above Specified Costs				\$354.17	\$43,208.30
Breakeven Price to Cover Total Costs			\$0.66	Pound	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Pound	Costs	Costs
75%	1125.00	\$0.60	\$0.89
90%	1350.00	\$0.50	\$0.74
100%	1500.00	\$0.45	\$0.66
110%	1650.00	\$0.41	\$0.60
125%	1875.00	\$0.36	\$0.53

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.