

Projections for Planning Purposes Only -- Not to be Used without Updating
2022 Estimated Costs and Returns per Acre
St. Lawrence Auxin Technology 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	\$0.84	\$1,260.00	\$153,720.00
Cotton Seed	1.20	Ton	\$250.00	\$300.00	\$36,600.00
Total Revenue				\$1,560.00	\$190,320.00
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	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	\$0.41	\$4.51	\$550.22
0-60-0	90	Pound	\$0.66	\$59.40	\$7,246.80
N-32	140	Pound	\$0.55	\$77.00	\$9,394.00
Custom					
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$61.00
Custom Spray	2	Acre	\$6.00	\$12.00	\$1,464.00
Bag, Tie	3	Bale	\$15.00	\$45.00	\$5,490.00
Gin and Haul	53.57	CWT	\$2.50	\$133.93	\$16,338.85
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	\$5.92	\$106.47	\$12,989.52
Irrigation Labor	3.04	Hour	\$16.38	\$49.79	\$6,073.82
Machinery Labor					
Tractors/Self-Propelled	0.98	Hour	\$16.12	\$15.80	\$1,927.31
Other Labor	0.05	Hour	\$16.12	\$0.81	\$98.33
Diesel Fuel					
Tractors/Self-Propelled	9.25	Gallon	\$2.67	\$24.70	\$3,013.10
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.70	\$6.70	\$817.50
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	\$24.10	\$24.10	\$2,940.49
Implements	1	Acre	\$6.49	\$6.49	\$791.68
Interest on Credit Line			6.30%	\$13.22	\$1,612.31
Total Variable Costs				\$743.26	\$90,677.30
Planned Returns Above Variable Costs:				\$816.74	\$99,642.70
Breakeven Price to Cover Variable Costs				\$0.30	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	\$28.51	\$28.51	\$3,477.79
Implements	1	Acre	\$9.13	\$9.13	\$1,113.83
Equipment Investment					
Pickup/General Use Equipment	\$22.11	Dollars	6.30%	\$1.39	\$169.96
Irrigation Equipment	\$978.57	Dollars	6.30%	\$61.65	\$7,521.32
Tractors/Self-Propelled	\$255.18	Dollars	6.30%	\$16.08	\$1,961.31
Implements	\$56.84	Dollars	6.30%	\$3.58	\$436.91
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$269.88	\$32,924.76
Total Specified Costs				\$1,013.13	\$123,602.06
Returns Above Specified Costs				\$546.87	\$66,717.94
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%	1125.00	\$0.39	\$0.63
90%	1350.00	\$0.33	\$0.53
100%	1500.00	\$0.30	\$0.48
110%	1650.00	\$0.27	\$0.43
125%	1875.00	\$0.24	\$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.