

Projections for Planning Purposes Only – Not to be Used without Updating
2021 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	Enterprise	
Cotton Lint	1,500.00	Pound	\$0.63	\$945.00	\$115,290.00		
Cotton Seed	1.20	Ton	\$225.00	\$270.00	\$32,940.00		
Total Revenue				\$1,215.00	\$148,230.00		
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise	
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	\$0.40	\$4.42	\$539.75		
0-60-0	90	Pound	\$0.27	\$24.30	\$2,964.60		
N-32	140	Pound	\$0.38	\$53.59	\$6,538.22		
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, Glasscool	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	\$15.00	\$45.59	\$5,562.10		
Machinery Labor							
Tractors/Self-Propelled	1.42	Hour	\$15.00	\$21.30	\$2,598.60		
Other Labor	0.22	Hour	\$15.00	\$3.30	\$402.60		
Diesel Fuel							
Tractors/Self-Propelled	13.33	Gallon	\$1.50	\$20.00	\$2,439.39		
Gasoline							
Pickup/General Use Equipment	1	Acre	\$4.82	\$4.82	\$588.60		
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							
			4.55%	\$10.66	\$1,300.81		
Total Variable Costs				\$816.31	\$99,589.76		
Planned Returns Above Variable Costs:				\$398.69	\$48,640.24		
Breakeven Price to Cover Variable Costs			\$0.36	Pound			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise	
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	5.50%	\$1.22	\$148.38		
Irrigation Equipment	\$978.57	Dollars	5.50%	\$53.82	\$6,566.23		
Tractors/Self-Propelled	\$339.86	Dollars	5.50%	\$18.69	\$2,280.49		
Implements	\$101.87	Dollars	5.50%	\$5.60	\$683.58		
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$6,100.00		
Total Fixed Costs				\$286.31	\$34,929.89		
Total Specified Costs				\$1,102.62	\$134,519.65		
Returns Above Specified Costs				\$112.38	\$13,710.35		
Breakeven Price to Cover Total Costs			\$0.56	Pound			

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Pound	Costs	Costs
75%	1125.00	\$0.49	\$0.74
90%	1350.00	\$0.40	\$0.62
100%	1500.00	\$0.36	\$0.56
110%	1650.00	\$0.33	\$0.50
125%	1875.00	\$0.29	\$0.44

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.