

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 Estimated Costs and Returns per Acre
Drip Irrigated Cotton, Auxin Technology
West Central Extension District - 7

Crop Acres		400			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Cotton Lint	1,326.00	Pound	\$0.90	\$1,193.40	\$477,360.00
Cotton Seed	0.96	Ton	\$360.00	\$345.60	\$138,240.00
Total Revenue				\$1,539.00	\$615,600.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Glyphosate	96	Ounce	\$0.13	\$12.75	\$5,100.00
2-4D Amine 4	1.25	Pint	\$1.61	\$2.02	\$806.25
Trifluralin	1.5	Pint	\$2.75	\$4.13	\$1,650.00
Caparol	24	Ounce	\$0.26	\$6.30	\$2,520.00
Mepiquat Chloride	28	Ounce	\$0.06	\$1.75	\$700.00
Outlook	15	Ounce	\$1.04	\$15.61	\$6,243.75
Auxin based herbicide	44	Ounce	\$0.50	\$22.00	\$8,800.00
Seed					
Seed Cotton - B2 Auxin technology (irr)	38.5	Thousand	\$1.74	\$66.99	\$26,796.00
Fertilizer					
Nitrogen Dry-Urea	11	Pounds	\$0.62	\$6.82	\$2,728.00
Phos (11-52-0 DRY MAT)	58	Pounds	\$1.29	\$74.82	\$29,928.00
Nitrogen N32-liq	60	Pounds	\$2.69	\$161.40	\$64,560.00
Custom					
Soil Test-Irrigated	1	Each	\$0.50	\$0.50	\$200.00
Gin and Haul	47.36	CWT	\$2.50	\$118.40	\$47,360.00
Apply Harvest Aid	2	Acre	\$7.00	\$14.00	\$5,600.00
Custom Strip	1326	Pounds	\$0.11	\$145.86	\$58,344.00
Custom Bag/Tie	2.41	Bales	\$5.00	\$12.05	\$4,820.00
Miscellaneous					
Irr Cotton-RP 70% SE	1	Acre	\$7.67	\$7.67	\$3,068.00
Boll Weevil Eradication Program	2.652	Bale	\$1.00	\$2.65	\$1,060.80
Other Chemicals					
Ethephon 6	1.5	Pint	\$3.81	\$5.72	\$2,287.50
Cutout (Adios)	5	Ounce	\$0.92	\$4.61	\$1,843.80
Paraquat, 3lb (Firestorm)	28	Ounce	\$0.18	\$5.03	\$2,011.52
Fungicides					
Topguard-4lb	7	Ounce	\$4.61	\$32.27	\$12,906.04
Insecticide					
fla hopper Treatment	1.75	Ounce	\$7.78	\$13.62	\$5,446.88
Spider Mite treatment	3.5	Dose	\$0.34	\$1.19	\$476.00
Irrigation					
Energy Cost	18.00	AcreInch	\$3.71	\$66.73	\$26,692.73
Irrigation Labor	0.80	Hour	\$17.50	\$14.00	\$5,600.00
Machinery Labor					
Tractors/Self-Propelled	0.54	Hour	\$17.21	\$9.29	\$3,717.36
Other Labor	0.1	Hour	\$17.21	\$1.72	\$688.40
Diesel Fuel					
Tractors/Self-Propelled	4.51	Gallon	\$2.24	\$10.10	\$4,040.96
Gasoline					
Pickup/General Use Equipment	1	Acre	\$1.67	\$1.67	\$668.77
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$0.82	\$0.82	\$328.50
Irrigation Equipment	1	Acre	\$5.50	\$5.50	\$2,200.32
Tractors/Self-Propelled	1	Acre	\$11.56	\$11.56	\$4,622.25
Implements	1	Acre	\$4.51	\$4.51	\$1,802.78
Interest on Credit Line			8.00%	\$22.82	\$9,129.86
Total Variable Costs				\$886.87	\$354,748.47
Planned Returns Above Variable Costs:				\$652.13	\$260,851.53
Breakeven Price to Cover Variable Costs				\$0.41	Pound
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$1.74	\$1.74	\$696.60
Irrigation Equipment	1	Acre	\$54.45	\$54.45	\$21,780.00
Tractors/Self-Propelled	1	Acre	\$14.49	\$14.49	\$5,797.07
Implements	1	Acre	\$6.22	\$6.22	\$2,489.61
Equipment Investment					
Pickup/General Use Equipment	\$9.65	Dollars	8.00%	\$0.77	\$308.88
Irrigation Equipment	\$555.50	Dollars	8.00%	\$44.44	\$17,776.00
Tractors/Self-Propelled	\$111.62	Dollars	8.00%	\$8.93	\$3,571.86
Implements	\$34.06	Dollars	8.00%	\$2.72	\$1,089.94
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$28,000.00
Total Fixed Costs				\$203.77	\$81,509.96
Total Specified Costs				\$1,090.65	\$436,258.44
Returns Above Specified Costs				\$448.35	\$179,341.56
Breakeven Price to Cover Total Costs				\$0.56	Pound

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	994.50	\$0.54	\$0.75
90%	1193.40	\$0.45	\$0.62
100%	1326.00	\$0.41	\$0.56
110%	1458.60	\$0.37	\$0.51
125%	1657.50	\$0.33	\$0.45

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.