

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

Crop Acres		400				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	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	Total	Enterprise
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
Seed						
Seed Cotton - B2RF (Irrigated)	38.5	Thousand	\$1.65	\$63.61		\$25,443.42
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						
Boll Weevil Eradication Program	2.652	Bale	\$1.00	\$2.65		\$1,060.80
Irr Cotton-RP 70% SE	1	Acre	\$7.67	\$7.67		\$3,068.00
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 Terra (4lb)	7	Ounce	\$4.61	\$32.27		\$12,906.04
Insecticide						
flea hopper Treatment	1	Ounce	\$7.78	\$7.78		\$3,112.50
Spider Mite treatment	1.5	Dose	\$0.34	\$0.51		\$204.00
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%	\$21.83		\$8,733.05
Total Variable Costs				\$853.98		\$341,592.70
Planned Returns Above Variable Costs:				\$685.02		\$274,007.30
Breakeven Price to Cover Variable Costs			\$0.38	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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				\$1,057.76		\$423,102.67
Returns Above Specified Costs				\$481.24		\$192,497.33
Breakeven Price to Cover Total Costs			\$0.54	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	994.50	\$0.51	\$0.72
90%	1193.40	\$0.43	\$0.60
100%	1326.00	\$0.38	\$0.54
110%	1458.60	\$0.35	\$0.49
125%	1657.50	\$0.31	\$0.43

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.