

Projections for Planning Purposes Only -- Not to be Used without Updating
2021 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
Cotton Lint	1,326.00	Pound	\$0.63	\$835.38	\$334,152.00
Cotton Seed	0.96	Ton	\$225.00	\$216.00	\$86,400.00
Total Revenue				\$1,051.38	\$420,552.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	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
Seed					
Seed Cotton - B2RF (Irrigated)	38.5	Thousand	\$1.65	\$63.61	\$25,443.42
Fertilizer					
Nitrogen Dry-Urea	11	Pounds	\$0.40	\$4.42	\$1,769.68
Phos (11-52-0 DRY MAT)	58	Pounds	\$0.45	\$26.21	\$10,484.08
Nitrogen N32-liq	60	Pounds	\$0.38	\$22.97	\$9,187.20
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	\$6.02	\$108.44	\$43,375.68
Irrigation Labor	0.80	Hour	\$15.00	\$12.00	\$4,800.00
Machinery Labor					
Tractors/Self-Propelled	0.71	Hour	\$15.00	\$10.65	\$4,260.00
Other Labor	0.19	Hour	\$15.00	\$2.85	\$1,140.00
Diesel Fuel					
Tractors/Self-Propelled	6.85	Gallon	\$1.50	\$10.28	\$4,110.00
Gasoline					
Pickup/General Use Equipment	1	Acre	\$1.53	\$1.53	\$613.44
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	\$16.17	\$16.17	\$6,467.79
Implements	1	Acre	\$10.06	\$10.06	\$4,023.50
Interest on Credit Line			4.55%	\$9.26	\$3,702.11
Total Variable Costs				\$704.36	\$281,743.89
Planned Returns Above Variable Costs:				\$347.02	\$138,808.11
Breakeven Price to Cover Variable Costs			\$0.37	Pound	
FIXED COSTS	Quantity	Units	\$/Unit	Total	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	\$23.14	\$23.14	\$9,257.34
Implements	1	Acre	\$13.05	\$13.05	\$5,219.97
Equipment Investment					
Pickup/General Use Equipment	\$9.65	Dollars	5.50%	\$0.53	\$212.36
Irrigation Equipment	\$555.50	Dollars	5.50%	\$30.55	\$12,221.00
Tractors/Self-Propelled	\$177.27	Dollars	5.50%	\$9.75	\$3,899.88
Implements	\$56.21	Dollars	5.50%	\$3.09	\$1,236.66
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$28,000.00
Total Fixed Costs				\$206.31	\$82,523.80
Total Specified Costs				\$910.67	\$364,267.69
Returns Above Specified Costs				\$140.71	\$56,284.31
Breakeven Price to Cover Total Costs			\$0.52	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	994.50	\$0.49	\$0.70
90%	1193.40	\$0.41	\$0.58
100%	1326.00	\$0.37	\$0.52
110%	1458.60	\$0.33	\$0.48
125%	1657.50	\$0.29	\$0.42

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.