

Projections for Planning Purposes Only -- Not to be Used without Updating
2024 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	\$0.80	\$1,060.80	\$424,320.00
Cotton Seed		0.96	Ton	\$270.00	\$259.20	\$103,680.00
Total Revenue					\$1,320.00	\$528,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	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	\$3.60	\$16.24	\$6,494.40
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$2.18	\$2.18	\$871.02
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%	\$22.14	\$8,854.24
Total Variable Costs					\$860.92	\$344,369.58
Planned Returns Above Variable Costs:					\$459.08	\$183,630.42
Breakeven Price to Cover Variable Costs				\$0.45	Pound	
FIXED COSTS		Quantity	Units	\$/Unit	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					\$1,064.70	\$425,879.54
Returns Above Specified Costs					\$255.30	\$102,120.46
Breakeven Price to Cover Total Costs				\$0.61	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	994.50	\$0.61	\$0.81
90%	1193.40	\$0.50	\$0.67
100%	1326.00	\$0.45	\$0.61
110%	1458.60	\$0.41	\$0.55
125%	1657.50	\$0.36	\$0.49

Developed by Jeffrey Wright, 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.