

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$0.69	\$919.58	\$367,832.40	
Cotton Seed	0.96	Ton	\$195.00	\$187.20	\$74,880.00	
Total Revenue				\$1,106.78	\$442,712.40	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Production Costs						
Custom						
Soil Test-Irrigated	1	Each	\$0.50	\$0.50	\$200.00	
Apply Harvest Aid	2	Acre	\$7.00	\$14.00	\$5,600.00	
Custom Strip	1326	Pounds	\$0.09	\$119.34	\$47,736.00	
Gin and Haul	47.36	CWT	\$2.50	\$118.40	\$47,360.00	
Custom Bag/Tie	2.41	Bales	\$5.00	\$12.05	\$4,820.00	
Fertilizer						
Nitrogen Dry-Urea	11	Pounds	\$0.48	\$5.32	\$2,127.84	
Phos (11-52-0 DRY MAT)	58	Pounds	\$0.55	\$31.90	\$12,760.00	
Nitrogen N32-liq	60	Pounds	\$0.42	\$25.31	\$10,123.20	
Herbicide						
Glyphosate	96	Ounce	\$0.13	\$12.22	\$4,888.32	
2-4D Amine 4	1.25	Pint	\$1.44	\$1.80	\$718.75	
Trifluralin	1.5	Pint	\$2.81	\$4.22	\$1,687.50	
Caparol	24	Ounce	\$0.25	\$6.09	\$2,437.44	
Mepiquat Chloride	22	Ounce	\$0.06	\$1.38	\$550.00	
pentia	6	Ounce	\$0.35	\$2.09	\$834.00	
Outlook	15	Ounce	\$1.06	\$15.94	\$6,375.00	
Insecticide						
Spider Mite treatment	1.5	Ounce	\$2.24	\$3.36	\$1,344.00	
fla hopper Treatment	1	Ounce	\$4.90	\$4.90	\$1,960.00	
Miscellaneous						
Irr Cotton-RP 70% SE	1	Acre	\$9.66	\$9.66	\$3,864.00	
Boll Weevil Eradication Program	2.652	Bale	\$1.00	\$2.65	\$1,060.80	
Seed						
Seed Cotton - B2RF	38.5	Thousand	\$1.17	\$45.05	\$18,021.08	
Other Chemicals						
Ethephon 6	1.5	Pint	\$2.49	\$3.73	\$1,492.50	
Paraquat, 3lb (Firestorm)	28	Ounce	\$0.18	\$5.03	\$2,011.52	
Cutout (Adios)	5	Ounce	\$0.69	\$3.45	\$1,380.00	
Fungicides						
Topguard-4lb	7	Ounce	\$4.30	\$30.08	\$12,031.25	
Irrigation						
Energy Cost	18.00	AcreInch	\$6.02	\$108.44	\$43,375.68	
Irrigation Labor	0.80	Hour	\$12.00	\$9.60	\$3,840.00	
Machinery Labor						
Tractors/Self-Propelled	0.79	Hour	\$12.00	\$9.48	\$3,792.00	
Other Labor	0.19	Hour	\$12.00	\$2.28	\$912.00	
Diesel Fuel						
Tractors/Self-Propelled	7.59	Gallon	\$2.60	\$19.73	\$7,893.60	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$1.82	\$1.82	\$727.92	
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	\$16.04	\$16.04	\$6,415.59	
Implements	1	Acre	\$11.15	\$11.15	\$4,460.81	
Interest on Credit Line			6.00%	\$12.16	\$4,865.20	
Total Variable Costs				\$675.49	\$270,194.82	
Planned Returns Above Variable Costs:				\$431.29	\$172,517.58	
Breakeven Price to Cover Variable Costs			\$0.37	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	\$21.82	\$21.82	\$8,726.31	
Implements	1	Acre	\$14.18	\$14.18	\$5,672.68	
Equipment Investment						
Pickup/General Use Equipment	\$9.65	Dollars	6.00%	\$0.58	\$231.66	
Irrigation Equipment	\$555.50	Dollars	6.00%	\$33.33	\$13,332.00	
Tractors/Self-Propelled	\$167.48	Dollars	6.00%	\$10.05	\$4,019.56	
Implements	\$69.25	Dollars	6.00%	\$4.15	\$1,661.96	
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$28,000.00	
Total Fixed Costs				\$210.30	\$84,120.77	
Total Specified Costs				\$885.79	\$354,315.59	
Returns Above Specified Costs				\$220.99	\$88,396.81	
Breakeven Price to Cover Total Costs			\$0.53	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	\$0.59
100%	1326.00	\$0.37	\$0.53
110%	1458.60	\$0.33	\$0.48
125%	1657.50	\$0.29	\$0.42

Developed by Bill Thompson, Associate 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.