

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Drip Irrigated Cotton, Stacked Gene - 400 Acres
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	\$220.00	\$211.20	\$84,480.00
Total Revenue				\$1,046.58	\$418,632.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
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	\$0.39	\$4.30	\$1,721.74
Phosphate	58	Pounds	\$0.27	\$15.71	\$6,283.33
Nitrogen N32	60	Pounds	\$0.39	\$23.48	\$9,391.30
Herbicide					
Glyphosate	96	Ounce	\$0.07	\$6.72	\$2,688.00
2-4D Amine 4	1.25	Pint	\$1.63	\$2.03	\$812.50
Trifluralin	1.5	Pint	\$2.94	\$4.41	\$1,762.50
Caparol	24	Ounce	\$0.22	\$5.34	\$2,137.50
Mepiquat Chloride	33	Ounce	\$0.08	\$2.58	\$1,031.25
Parrot (Generic Direx)	2	Ounce	\$0.13	\$0.27	\$106.24
Insecticide					
Macho 4F	1.5	Ounce	\$0.69	\$1.03	\$412.50
Miscellaneous					
Boll Weevil Eradication Program	2.652	Bale	\$1.00	\$2.65	\$1,060.80
Irr Cotton-RP 70% SE	1	Acre	\$14.28	\$14.28	\$5,712.00
IRR Cotton STAX	0	Acre	\$11.86	\$0.00	\$0.00
Seed					
Seed Cotton - BIIRRF	38.5	Thousand	\$1.96	\$75.33	\$30,130.43
Other Chemicals					
Ethephon 6	1.5	Pint	\$2.50	\$3.75	\$1,500.00
Adios	5	Ounce	\$0.84	\$4.22	\$1,687.50
Paraquat, 3lb (Firestorm)	28	Ounce	\$0.13	\$3.72	\$1,487.36
Fungicides					
Topguard-4lb	7	Ounce	\$5.00	\$35.00	\$14,000.00
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	0.98	Hour	\$12.00	\$11.76	\$4,704.00
Diesel Fuel					
Tractors/Self-Propelled	7.4	Gallon	\$1.75	\$12.95	\$5,180.00
Gasoline					
Pickup/General Use Equipment	1	Acre	\$1.63	\$1.63	\$651.60
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	\$15.78	\$15.78	\$6,312.13
Implements	1	Acre	\$10.81	\$10.81	\$4,325.23
Interest on Credit Line			5.25%	\$9.63	\$3,850.66
Total Variable Costs				\$656.02	\$262,409.07
Planned Returns Above Variable Costs:				\$390.56	\$156,222.93
Breakeven Price to Cover Variable Costs			\$0.34	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	\$21.84	\$21.84	\$8,735.50
Implements	1	Acre	\$13.85	\$13.85	\$5,539.25
Equipment Investment					
Pickup/General Use Equipment	\$9.65	Dollars	5.25%	\$0.51	\$202.70
Irrigation Equipment	\$555.50	Dollars	5.25%	\$29.16	\$11,665.50
Tractors/Self-Propelled	\$167.52	Dollars	5.25%	\$8.79	\$3,517.92
Implements	\$66.91	Dollars	5.25%	\$3.51	\$1,405.04
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$28,000.00
Total Fixed Costs				\$203.86	\$81,542.52
Total Specified Costs				\$859.88	\$343,951.59
Returns Above Specified Costs				\$186.70	\$74,680.41
Breakeven Price to Cover Total Costs			\$0.49	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	994.50	\$0.45	\$0.65
90%	1193.40	\$0.37	\$0.54
100%	1326.00	\$0.34	\$0.49
110%	1458.60	\$0.30	\$0.44
125%	1657.50	\$0.27	\$0.39

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.