

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Drip Irrigated Cotton, Stacked Gene - 400 Acres
West Central Extension District - 7

Crop Acres		400				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Cotton Lint		1,326.00	Pound	\$0.56	\$741.90	\$296,758.80
Cotton Seed		0.96	Ton	\$175.00	\$168.00	\$67,200.00
Total Revenue					\$909.90	\$363,958.80
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Custom						
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	\$12.00	\$28.92	\$11,568.00
Soil Test-Irrigated		1	Each	\$0.50	\$0.50	\$200.00
Fertilizer						
Nitrogen Dry		11	Pounds	\$0.55	\$6.10	\$2,438.92
Phosphate		58	Pounds	\$0.42	\$24.17	\$9,667.44
Nitrogen N32		126	Pounds	\$0.55	\$68.91	\$27,563.76
Herbicide						
Glyphosate		96	Ounce	\$0.12	\$11.06	\$4,423.68
2-4D Amine 4		1.25	Pint	\$1.94	\$2.42	\$968.75
Mepiquat Chloride		33	Ounce	\$0.08	\$2.58	\$1,030.92
Trifluralin		1.5	Pint	\$2.81	\$4.22	\$1,687.50
Caparol		24	Ounce	\$0.24	\$5.81	\$2,325.12
Direx		2	Pints	\$3.62	\$7.24	\$2,896.00
Insecticide						
Boll Weevil Eradication Program		1	Acre	\$1.50	\$1.50	\$600.00
Intruder 70wsp		1	Ounce	\$9.45	\$9.45	\$3,780.00
Seed						
Seed Cotton		38.5	Thousand	\$1.40	\$53.90	\$21,560.00
Miscellaneous						
Irr Cotton-RP 70% SE		1	Acre	\$26.67	\$26.67	\$10,668.00
IRR Cotton STAX		1	Acre	\$11.86	\$11.86	\$4,744.00
Other Chemicals						
Ethephon 6		1.5	Pint	\$2.75	\$4.13	\$1,650.00
Adios		5	Ounce	\$1.00	\$5.00	\$2,000.00
Firestorm		28	Ounce	\$0.25	\$7.00	\$2,800.00
Fungicides						
Topguard-2lb		24	Ounce	\$1.37	\$32.81	\$13,125.12
Irrigation						
Energy Cost		18.00	AcreInch	\$3.68	\$66.29	\$26,514.39
Irrigation Labor		0.80	Hour	\$12.00	\$9.60	\$3,840.00
Machinery Labor						
Tractors/Self-Propelled		1.36	Hour	\$12.00	\$16.32	\$6,528.00
Diesel Fuel						
Tractors/Self-Propelled		7.4	Gallon	\$2.75	\$20.35	\$8,140.00
Gasoline						
Pickup/General Use Equipment		1	Acre	\$1.75	\$1.75	\$699.30
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$0.82	\$0.82	\$328.50
Irrigation Equipment		1	Acre	\$5.50	\$5.50	\$2,200.00
Tractors/Self-Propelled		1	Acre	\$14.40	\$14.40	\$5,758.05
Implements		1	Acre	\$14.65	\$14.65	\$5,861.89
Interest on Credit Line				3.75%	\$7.29	\$2,916.56
Total Variable Costs					\$722.95	\$289,179.89
Planned Returns Above Variable Costs:					\$186.95	\$74,778.91
Breakeven Price to Cover Variable Costs					\$0.42	Pound
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise 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	\$19.50	\$19.50	\$7,801.84
Implements		1	Acre	\$16.02	\$16.02	\$6,406.81
Equipment Investment						
Pickup/General Use Equipment		\$17.55	Dollars	3.75%	\$0.66	\$263.25
Irrigation Equipment		\$1,100.00	Dollars	3.75%	\$41.25	\$16,500.00
Tractors/Self-Propelled		\$221.05	Dollars	3.75%	\$8.29	\$3,315.70
Implements		\$158.57	Dollars	3.75%	\$5.95	\$2,378.52
Rent-Irrigated Crop		1	Acre	\$70.00	\$70.00	\$28,000.00
Total Fixed Costs					\$217.86	\$87,142.72
Total Specified Costs					\$940.81	\$376,322.62
Returns Above Specified Costs					(\$30.91)	(\$12,363.82)
Breakeven Price to Cover Total Costs					\$0.58	Pound

Example Breakeven Prices						
Example Yield Percent	Example Yield Pound	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	994.50	\$0.56	\$0.56	\$0.78	\$0.78	\$0.00
90%	1193.40	\$0.47	\$0.47	\$0.65	\$0.65	\$0.00
100%	1326.00	\$0.42	\$0.42	\$0.58	\$0.58	\$0.00
110%	1458.60	\$0.38	\$0.38	\$0.53	\$0.53	\$0.00
125%	1657.50	\$0.33	\$0.33	\$0.47	\$0.47	\$0.00

Developed by Bill Thompson, Associate Professor and Extension Economist, Texas A&M AgriLife Extension Service.

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.