

COTTON
ESTIMATED PER ACRE COSTS AND RETURNS, SOUTH AND EAST GEORGIA, 2009

Seed Technology:		BR		Row Spacing:		36		
Tillage:		Conventional		Seed Per Foot:		2.50		
Production:		Non-Irrigated		Seed Per Bag or Lb:		250000		
				Lbs/Acre	Price/Lb	Income/Ac	Cents/Lb	
INCOME (Planning Price including LDP)				700	0.60	\$420.00	60.00	
VARIABLE COST**				Unit	No. Units	Price/Unit	Cost/Acre	
							Cents/Lb	
Land Rent				Acre	1	0.00	0.00	0.00
Seed (Including Tech Fees and Treatments)								
		Seeds Per Acre	36,300	Bag	0.145	449.00	65.19	9.31
Lime- Custom Spread				Ton	0.33	43.00	14.19	2.03
Fertilizers								
		Nitrogen		Lbs	70	0.74	51.80	7.40
		Phosphate (P2O5)		Lbs	50	0.67	33.50	4.79
		Potash (K2O)		Lbs	50	0.80	40.00	5.71
Chicken Litter- Custom Spread				Tons	0	42.00	0.00	0.00
		Boron		Lbs	0.5	3.50	1.75	0.25
		Others		Acre	1	0.00	0.00	0.00
Herbicides								
		Pre-Plant		Acre	1	5.65	5.65	0.81
		At Planting or Pre-Emergence		Acre	1	0.00	0.00	0.00
		Post-Emergence, OTT		Acre	1	16.50	16.50	2.36
		Post-Emergence, Directed or Hood		Acre	1	11.00	11.00	1.57
		Others		Acre	1	0.00	0.00	0.00
Insecticides								
		In-Furrow		Lbs	3.5	3.00	10.50	1.50
		Spray- Worms		Appl	1	7.50	7.50	1.07
		Spray- Stink Bugs, Other Pests		Appl	2	4.90	9.80	1.40
Nematicide				Acre	1	0.00	0.00	0.00
PGR				Ounces	12	0.195	2.34	0.33
Boll Opener and Defoliant				Acre	1	13.50	13.50	1.93
Custom Applications								
		Insecticides		Appl	0	0.00	0.00	0.00
		Herbicides		Appl	0	0.00	0.00	0.00
		PGR		Appl	0	0.00	0.00	0.00
		Defoliation		Appl	0	0.00	0.00	0.00
Scouting				Acre	1	8.00	8.00	1.14
BWEF				Acre	1	2.50	2.50	0.36
Machinery and Equipment								
		Fuel and Lube		Gal	13.21	2.50	33.02	4.72
		Repairs and Maintenance		Acre	1	20.92	20.92	2.99
Custom Picking				Acre	1	0.00	0.00	0.00
Crop Insurance				Acre	1	17.00	17.00	2.43
		Labor	LT/MT 1.65	Hrs	2.24	11.00	24.61	3.52
		Interest on Operating	Months 6	\$389.27	0.50	7.5%	14.60	2.09
Ginning and Warehousing								
		Ginning		Lbs	700	0.080	56.00	8.00
		Storage and Warehousing		Bale	1.4	10.50	14.70	2.10
		Promotions, Boards, Classing		Bale	1.4	5.45	7.63	1.09
		Cottonseed	Seed/Lb Lint 1.15	Ton	0.4025	200.00	-80.50	-11.50
TOTAL VARIABLE COSTS						\$401.70	57.39	
NET RETURN ABOVE VARIABLE COST						\$18.30	2.61	
Tractors and Sprayer				Acre	1	33.52	33.52	4.79
Equipment/Implements				Acre	1	15.60	15.60	2.23
Picker/BB/MB				Acre	1	52.58	52.58	7.51
Owned Land Charge				Acre	1	0.00	0.00	0.00
		Misc Overhead	% of Var Costs	\$401.70		5.0%	20.09	2.87
		Management	% of Var Costs	\$401.70		5.0%	20.09	2.87
TOTAL FIXED COSTS						\$141.87	20.27	
TOTAL COST						\$543.57	77.65	
NET RETURN						-\$123.57	-17.65	

** Fertilizer and fuel prices as of November-December 2008. All costs subject to change.

PER ACRE NET RETURN* ABOVE VARIABLE COST AT VARIOUS PRICES, YIELD, and RENT

	0.55			0.60			0.65		
	600	700	800	600	700	800	600	700	800
35	-107.01	-51.70	3.61	-77.01	-16.70	43.61	-47.01	18.30	83.61
45	-117.01	-61.70	-6.39	-87.01	-26.70	33.61	-57.01	8.30	73.61
55	-127.01	-71.70	-16.39	-97.01	-36.70	23.61	-67.01	-1.70	63.61
65	-137.01	-81.70	-26.39	-107.01	-46.70	13.61	-77.01	-11.70	53.61
75	-147.01	-91.70	-36.39	-117.01	-56.70	3.61	-87.01	-21.70	43.61

* Net return excludes DCP on Payment Acres. Price should include POP/LDP when applicable. Cash price plus POP/LDP or Loan plus Gain or merchant Equity should be a minimum of 55 to 60 cents per lb. Price less than this will underestimate net returns.

Acres of This Crop 850

	New Price	Fixed Costs Per Year				Fixed Costs Share For This Crop				Repairs and Maintenance		
		% FC	Total FC	Hrs Use	FC/Hr	% Use	Hrs Use	Hrs/Ac	FC/Acre	Est RM	Crop	Per Acre
Tractors												
200 HP	149000	12.0	17880	600	29.80	65	390	0.46	13.67	3500	2275	2.68
165 HP	102000	12.0	12240	600	20.40	65	390	0.46	9.36	2500	1625	1.91
			0				0				0	0.00
Hi-clearance sprayer	98000	14.0	13720	200	68.60	65	130	0.15	10.49	2500	1625	1.91
Picker	296000	14.0	41440	230	180.17	100	230	0.27	48.75	9000	9000	10.59
Totals			85280						82.28	17500	14525	17.09

Fuel Cost Per Gallon 2.50

Job or Implement- Size	Total Farm			Fixed Costs Per Year			Fixed Costs This Crop		Repairs and Maintenance			Fuel and Lube		
	Acres/Yr*	HP Used	Acres/Hr	New Price	% FC	Total FC	% Use	FC/Acre	Est RM	Crop	Per Acre	Hrs/Ac	Gal/Hr	Cost/Ac
Disk- 30ft	3400	200	17.0	38000	12.5	4750	50	2.79	900	450	0.53	0.059	8.8	1.49
Disk w/herbicide- 30ft	3400	200	14.5	40000	12.5	5000	50	2.94	1000	500	0.59	0.069	8.8	1.74
Rip and bed- 8-row	1700	200	11.0	26000	12.5	3250	50	1.91	650	325	0.38	0.091	8.8	2.30
Plant- 8 row w/in-furrow insect	1700	165	10.0	28500	12.5	3562.5	50	2.10	750	375	0.44	0.100	7.3	2.09
Spray 60 ft OTT- herb POST	8000	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- pgr	8000	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray- Layby Directed 8 row	1000	165	11.0	18000	12.5	2250	85	2.25	450	383	0.45	0.091	7.3	1.90
Nitrogen side dress	1200	165	11.0	15000	12.5	1875	70	1.54	375	263	0.31	0.091	7.3	1.90
Spray 60 ft OTT- insecticide	8000	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- insecticide/pgr	8000	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- insecticide	8000	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- defoliate	8000	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
						0		0.00		0	0.00		0.0	
Picker- 4 row	850	275	3.70			0		0.00		0	0.00	0.270	12.1	9.40
Boll Buggy	850	200	5.55	26000	12.5	3250	100	3.82	650	650	0.76	0.180	8.8	4.56
Module Builder	850	165	5.55			0		0.00		0	0.00	0.180	7.3	3.76
Mow/shred stalks- 20 ft	1200	200	15.0	20000	12.5	2500	70	2.06	450	315	0.37	0.067	8.8	1.69
						0		0.00		0	0.00		0.0	
Totals								19.42	5225	3260	3.84	1.36		33.02

* All acres for the implement including multiple trips over the field. Disking 800 acres 2 times would be 1,600 acres total. Spraying 900 acres 5 times would be 4,500 acres.

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