

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:	Irrigated	Seed Per Bag or Lb:	25000

			Lbs/Acre	Price/Lb	Income/Ac	Cents/Lb	
INCOME (Planning Price including LDP)			1100	0.60	\$660.00	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	5.93	
Lime- Custom Spread		Ton	0.33	43.00	14.19	1.29	
Fertilizers							
Nitrogen		Lbs	90	0.74	66.60	6.05	
Phosphate (P2O5)		Lbs	70	0.67	46.90	4.26	
Potash (K2O)		Lbs	70	0.80	56.00	5.09	
Chicken Litter- Custom Spread		Tons	0	42.00	0.00	0.00	
Boron		Lbs	0.5	3.50	1.75	0.16	
Others		Acre	1	0.00	0.00	0.00	
Herbicides							
Pre-Plant, Incorporated		Acre	1	5.65	5.65	0.51	
At Planting or Pre-Emergence		Acre	1	0.00	0.00	0.00	
Post-Emergence, OTT		Acre	1	16.50	16.50	1.50	
Post-Emergence, Directed or Hood		Acre	1	11.00	11.00	1.00	
Others		Acre	1	0.00	0.00	0.00	
Insecticides							
In-Furrow		Lbs	3.5	3.00	10.50	0.95	
Spray- Worms		Appl	1	7.50	7.50	0.68	
Spray- Stink Bugs, Other Pests		Appl	2	4.90	9.80	0.89	
Nematicide		Acre	1	0.00	0.00	0.00	
PGR		Ounces	32	0.195	6.24	0.57	
Boll Opener and Defoliant		Acre	1	15.50	15.50	1.41	
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	0.73	
BWEP		Acre	1	2.50	2.50	0.23	
Machinery and Equipment							
Fuel and Lube		Gal	13.8	2.50	34.40	3.13	
Repairs and Maintenance		Acre	1	21.07	21.07	1.92	
Custom Picking		Acre	1	0.00	0.00	0.00	
Irrigation		Appl	8	8.40	67.20	6.11	
Crop Insurance		Acre	1	10.00	10.00	0.91	
Labor	LT/MT	1.65	Hrs	2.34	11.00	25.74	2.34
Interest on Operating	Months	6	\$502.23	0.50	7.5%	18.83	1.71
Ginning and Warehousing							
Ginning		Lbs	1100	0.080	88.00	8.00	
Storage and Warehousing		Bale	2.2	10.50	23.10	2.10	
Promotions, Boards, Classing		Bale	2.2	5.45	11.99	1.09	
Cottonseed	Seed/Lb Lint	1.15	Ton	0.6325	200.00	-126.50	-11.50
TOTAL VARIABLE COSTS					\$517.66	47.06	
NET RETURN ABOVE VARIABLE COST					\$142.34	12.94	
Tractors and Sprayer		Acre	1	34.33	34.33	3.12	
Equipment/Implements		Acre	1	15.60	15.60	1.42	
Picker/BB/MB		Acre	1	52.87	52.87	4.81	
Irrigation		Acre	1	100.00	100.00	9.09	
Owned Land Charge		Acre	1	0.00	0.00	0.00	
Misc Overhead	% of Var Costs		\$517.66	5.0%	25.88	2.35	
Management	% of Var Costs		\$517.66	5.0%	25.88	2.35	
TOTAL FIXED COSTS					\$254.56	23.14	
TOTAL COST					\$772.22	70.20	
NET RETURN					-\$112.22	-10.20	

** 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		
	1000	1100	1200	1000	1100	1200	1000	1100	1200
100	-67.97	-12.66	42.65	-17.97	42.34	102.65	32.03	97.34	162.65
125	-92.97	-37.66	17.65	-42.97	17.34	77.65	7.03	72.34	137.65
150	-117.97	-62.66	-7.35	-67.97	-7.66	52.65	-17.97	47.34	112.65
175	-142.97	-87.66	-32.35	-92.97	-32.66	27.65	-42.97	22.34	87.65
200	-167.97	-112.66	-57.35	-117.97	-57.66	2.65	-67.97	-2.66	62.65

* 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		0.00		0	0.00
Hi-clearance sprayer	98000	14.0	13720	225	60.98	70	157.5	0.19	11.30	2500	1750	2.06
Picker	296000	14.0	41440	250	165.76	100	250	0.29	48.75	9000	9000	10.59
Totals			85280						83.08	17500	14650	17.24

Fuel Cost Per Gallon

2.50

Job or Implement- Size	Total Farm Acres/Yr*	HP Used	Acres/Hr	Fixed Costs Per Year			Fixed Costs This Crop		Repairs and Maintenance			Fuel and Lube		
				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- 8row 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	8500	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- pgr	8500	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- insecticide	8500	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- pgr	8500	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- insecticide/pgr	8500	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- insecticide	8500	110	38.0			0		0.00		0	0.00	0.026	4.8	0.37
Spray 60 ft OTT- defoliate	8500	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	3.50			0		0.00		0	0.00	0.286	12.1	9.94
Boll Buggy	850	200	5.25	28000	12.5	3500	100	4.12	650	650	0.76	0.190	8.8	4.82
Module Builder	850	165	5.25			0		0.00		0	0.00	0.190	7.3	3.98
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		0	0.00		0.0	
Totals								19.71	5225	3260	3.84	1.42		34.40

* 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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