

COTTON
ESTIMATED PER ACRE COSTS AND RETURNS, SOUTH AND EAST GEORGIA, 2008

Seed Technology:	BR	Row Spacing:	36
Tillage:	Conventional	Seed Per Foot:	2.50
Production:	Irrigated	Seed Per Bag or Lb:	250000

				Lbs/Acre	Price/Lb	Income/Ac	Cents/Lb	
INCOME (Planning Price including LDP)				1100	0.70	\$770.00	70.00	
VARIABLE COST				Unit	No. Units	Price/Unit	Cost/Acre	Cents/Lb
Land Rent			Acre	1	0.00	0.00	0.00	0.00
Seed (Including Tech Fee and Treatments)								
Seeds Per Acre	36,300		Bag	0.145	410.00	59.53	5.41	
Lime- Custom Spread			Ton	0.33	35.00	11.55	1.05	
Fertilizers								
Nitrogen			Lbs	90	0.53	47.70	4.34	
Phosphate (P2O5)			Lbs	60	0.40	24.00	2.18	
Potash (K2O)			Lbs	90	0.30	27.00	2.45	
Chicken Litter			Tons	0	17.00	0.00	0.00	
Boron			Lbs	0.5	4.00	2.00	0.18	
Others			Acre	1	0.00	0.00	0.00	
Herbicides								
Pre-Plant, Incorporated			Acre	1	5.75	5.75	0.52	
At Planting or Pre-Emergence			Acre	1	13.00	13.00	1.18	
Post-Emergence, OTT			Acre	1	5.50	5.50	0.50	
Post-Emergence, Directed or Hood			Acre	1	9.00	9.00	0.82	
Others			Acre	1	0.00	0.00	0.00	
Insecticides								
In-Furrow			Lbs	3.5	3.00	10.50	0.95	
Spray- Pyrethroid			Appl	1	5.00	5.00	0.45	
Spray- Others			Appl	2	4.25	8.50	0.77	
Nematicide			Acre	1	0.00	0.00	0.00	
PGR			Ounces	32	0.20	6.40	0.58	
Boll Opener and Defoliant			Acre	1	17.00	17.00	1.55	
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	7.50	7.50	0.68	
BWEP			Acre	1	2.50	2.50	0.23	
Machinery and Equipment								
Fuel and Lube			Gal	14.6	3.00	43.73	3.98	
Repairs and Maintenance			Acre	1	22.75	22.75	2.07	
Custom Picking			Acre	1	0.00	0.00	0.00	
Irrigation			Appl	8	11.00	88.00	8.00	
Crop Insurance			Acre	1	10.00	10.00	0.91	
Labor			Hrs	2.07	10.50	21.71	1.97	
Interest on Operating	Months	6	\$448.62	0.50	8.5%	19.07	1.73	
Ginning and Warehousing								
Ginning			Lbs	1100	0.085	93.50	8.50	
Storage and Warehousing			Bale	2.2	10.00	22.00	2.00	
Promotions, Boards, Classing			Bale	2.2	5.30	11.66	1.06	
Cottonseed	Seed/Lb Lint	1.2	Ton	0.66	125.00	-82.50	-7.50	
TOTAL VARIABLE COSTS						\$512.35	46.58	
NET RETURN ABOVE VARIABLE COST						\$257.65	23.42	
Fixed Costs								
Tractors and Sprayer			Acre	1	37.11	37.11	3.37	
Equipment/Implements			Acre	1	15.31	15.31	1.39	
Picker/BB/MB			Acre	1	63.43	63.43	5.77	
Irrigation			Acre	1	90.00	90.00	8.18	
Owned Land Charge			Acre	1	0.00	0.00	0.00	
Misc Overhead	% of Var Costs			\$512.35	5.0%	25.62	2.33	
Management	% of Var Costs			\$512.35	5.0%	25.62	2.33	
TOTAL FIXED COSTS						\$257.08	23.37	
TOTAL COST						\$769.43	69.95	
NET RETURN						\$0.57	0.05	

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

	0.65			0.70			0.75		
	1000	1100	1200	1000	1100	1200	1000	1100	1200
100	41.71	102.65	163.59	91.71	157.65	223.59	141.71	212.65	283.59
125	16.71	77.65	138.59	66.71	132.65	198.59	116.71	187.65	258.59
150	-8.29	52.65	113.59	41.71	107.65	173.59	91.71	162.65	233.59
175	-33.29	27.65	88.59	16.71	82.65	148.59	66.71	137.65	208.59
200	-58.29	2.65	63.59	-8.29	57.65	123.59	41.71	112.65	183.59

Acres of This Crop 1000

	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	150000	13.0	19500	600	32.50	75	450	0.45	14.63	3500	2625	2.63
165+ HP	110000	13.0	14300	600	23.83	75	450	0.45	10.73	2500	1875	1.88
Hi-clearance sprayer												
	112000	14.0	15680	200	78.40	75	150	0.15	11.76	2500	1875	1.88
Picker												
	350000	16.0	56000	200	280.00	100	200	0.20	56.00	12000	12000	12.00
Totals			105480						93.11	20500	18375	18.38

Fuel Cost Per Gallon 3.00

Job or Implement- Size	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- 32ft	3500	210	18.5	30000	13.5	4050	67	2.71	750	503	0.50	0.054	9.2	1.72
Disk w/herbicide- 32ft	3500	210	16.0	35000	13.5	4725	67	3.17	900	603	0.60	0.063	9.2	1.99
Rip and bed- 6-row	1500	210	7.5	23000	13.5	3105	67	2.08	600	402	0.40	0.133	9.2	4.25
Plant- 8row w/in-furrow insect	1700	165	11.5	30000	13.5	4050	67	2.71	750	503	0.50	0.087	7.3	2.18
Spray OTT- herb post emerg	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Spray OTT- insecticide/pix	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Spray- Layby/Hood or Directed	1500	165	12.0	18000	13.5	2430	75	1.82	500	375	0.38	0.083	7.3	2.09
Nitrogen side dress	1500	165	12.0	15000	13.5	2025	75	1.52	400	300	0.30	0.083	7.3	2.09
Spray OTT- insecticide/pix	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Spray OTT- pix	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Spray OTT- insecticide	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Spray OTT- defoliate	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Pick- 6 row	1000	350	5.0			0		0.00		0	0.00	0.200	15.4	10.63
Boll Buggy	1000	210	5.0	25000	13.5	3375	100	3.38	700	700	0.70	0.200	9.2	6.38
Module Builder	1000	165	5.0	30000	13.5	4050	100	4.05	750	750	0.75	0.200	7.3	5.01
Mow/shred stalks	1200	210	8.0	12000	13.5	1620	80	1.30	300	240	0.24	0.125	9.2	3.98
						0		0.00		0	0.00		0.0	
Totals								22.74	5650	4375	4.38	1.38		43.73

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