

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:	Non-Irrigated	Seed Per Bag or Lb:	250000

		Lbs/Acre	Price/Lb	Income/Ac	Cents/Lb
INCOME (Planning Price including LDP)		700	0.70	\$490.00	70.00
VARIABLE COST	Unit	No. Units	Price/Unit	Cost/Acre	Cents/Lb
Land Rent	Acre	1	0.00	0.00	0.00
Seed (Including Tech Fee and Treatments)					
Seeds Per Acre	36,300	Bag	0.145	410.00	59.53
Lime- Custom Spread		Ton	0.33	35.00	11.55
Fertilizers					
Nitrogen		Lbs	70	0.53	37.10
Phosphate (P2O5)		Lbs	50	0.40	20.00
Potash (K2O)		Lbs	80	0.30	24.00
Chicken Litter		Tons	0	17.00	0.00
Boron		Lbs	0.5	4.00	2.00
Others		Acre	1	0.00	0.00
Herbicides					
Pre-Plant, Incorporated		Acre	1	5.75	5.75
At Planting or Pre-Emergence		Acre	1	13.00	13.00
Post-Emergence, OTT		Acre	1	5.50	5.50
Post-Emergence, Directed or Hood		Acre	1	9.00	9.00
Others		Acre	1	0.00	0.00
Insecticides					
In-Furrow		Lbs	3.5	3.00	10.50
Spray- Pyrethroid		Appl	1	5.00	5.00
Spray- Others		Appl	2	4.25	8.50
Nematicide		Acre	1	0.00	0.00
PGR		Ounces	16	0.20	3.20
Boll Opener and Defoliant		Acre	1	14.00	14.00
Custom Applications					
Insecticides		Appl	0	0.00	0.00
Herbicides		Appl	0	0.00	0.00
PGR		Appl	0	0.00	0.00
Defoliation		Appl	0	0.00	0.00
Scouting		Acre	1	7.50	7.50
BWEF		Acre	1	2.50	2.50
Machinery and Equipment					
Fuel and Lube		Gal	13.97	3.00	41.91
Repairs and Maintenance		Acre	1	22.75	22.75
Custom Picking		Acre	1	0.00	0.00
Crop Insurance		Acre	1	15.00	15.00
Labor		Hrs	1.98	10.50	20.78
Interest on Operating	Months	6	\$339.08	0.50	8.5%
				14.41	2.06
Ginning and Warehousing					
Ginning		Lbs	700	0.085	59.50
Storage and Warehousing		Bale	1.4	10.00	14.00
Promotions, Boards, Classing		Bale	1.4	5.30	7.42
Cottonseed	Seed/Lb Lint	1.2	Ton	0.42	125.00
				-52.50	-7.50
TOTAL VARIABLE COSTS				\$381.91	54.56
NET RETURN ABOVE VARIABLE COST				\$108.09	15.44
Tractors and Sprayer		Acre	1	37.11	37.11
Equipment/Implements		Acre	1	15.31	15.31
Picker/BB/MB		Acre	1	63.43	63.43
Owned Land Charge		Acre	1	0.00	0.00
Misc Overhead	% of Var Costs		\$381.91	5.0%	19.10
Management	% of Var Costs		\$381.91	5.0%	19.10
TOTAL FIXED COSTS				\$154.04	22.01
TOTAL COST				\$535.95	76.56
NET RETURN				-\$45.95	-6.56

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

	0.65			0.70			0.75		
	600	700	800	600	700	800	600	700	800
35	-22.85	38.09	99.03	7.15	73.09	139.03	37.15	108.09	179.03
45	-32.85	28.09	89.03	-2.85	63.09	129.03	27.15	98.09	169.03
55	-42.85	18.09	79.03	-12.85	53.09	119.03	17.15	88.09	159.03
65	-52.85	8.09	69.03	-22.85	43.09	109.03	7.15	78.09	149.03
75	-62.85	-1.91	59.03	-32.85	33.09	99.03	-2.85	68.09	139.03

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- 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	5.3			0		0.00		0	0.00	0.189	15.4	10.02
Boll Buggy	1000	210	5.3	25000	13.5	3375	100	3.38	700	700	0.70	0.189	9.2	6.01
Module Builder	1000	165	5.3	30000	13.5	4050	100	4.05	750	750	0.75	0.189	7.3	4.73
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	
						0		0.00		0	0.00		0.0	
Totals								22.74	5650	4375	4.38	1.32		41.91

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