

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

Seed Technology:	BR	Row Spacing:	36
Tillage:	Strip-Till	Seed Per Foot:	2.75
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		
Cover Crop				Acre	1	0.00	0.00	0.00		
Seed (Including Tech Fee and Treatments)										
Seeds Per Acre				39,930	Bag	0.160	410.00	65.48	9.35	
Lime- Custom Spread				Ton	0.33	35.00	11.55	1.65		
Fertilizers										
Nitrogen				Lbs	70	0.53	37.10	5.30		
Phosphate (P2O5)				Lbs	50	0.40	20.00	2.86		
Potash (K2O)				Lbs	80	0.30	24.00	3.43		
Chicken Litter				Tons	0	17.00	0.00	0.00		
Boron				Lbs	0.5	4.00	2.00	0.29		
Others				Acre	1	0.00	0.00	0.00		
Herbicides										
Pre-Plant OTT				Acre	1	10.00	10.00	1.43		
At Planting or Pre-Emergence				Acre	1	0.00	0.00	0.00		
Post-Emergence- OTT				Acre	1	15.00	15.00	2.14		
Post-Emergence- Directed or Hood				Acre	1	9.00	9.00	1.29		
Others				Acre	1	0.00	0.00	0.00		
Insecticides										
In-Furrow				Lbs	3.5	3.00	10.50	1.50		
Spray- Pyrethroid				Appl	1	5.00	5.00	0.71		
Spray- Others				Appl	2	4.25	8.50	1.21		
Nematicide				Acre	1	0.00	0.00	0.00		
PGR				Ounces	16	0.20	3.20	0.46		
Boll Opener and Defoliant				Acre	1	14.00	14.00	2.00		
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	1.07		
BWEP				Acre	1	2.50	2.50	0.36		
Machinery and Equipment										
Fuel and Lube				Gal	12.03	3.00	36.09	5.16		
Repairs and Maintenance				Acre	1	21.49	21.49	3.07		
Custom Picking				Acre	1	0.00	0.00	0.00		
Crop Insurance				Acre	1	15.00	15.00	2.14		
Labor				Hrs	1.73	10.50	18.12	2.59		
Interest on Operating				Months	6	\$336.03	0.50	8.5%	14.28	2.04
Ginning and Warehousing										
Ginning				Lbs	700	0.085	59.50	8.50		
Storage and Warehousing				Bale	1.4	10.00	14.00	2.00		
Promotions, Boards, Classing				Bale	1.4	5.30	7.42	1.06		
Cottonseed				Seed/Lb Lint	1.2	Ton	0.42	125.00	-52.50	-7.50
TOTAL VARIABLE COSTS						\$378.73	54.10			
NET RETURN ABOVE VARIABLE COST						\$111.27	15.90			
Tractors and Sprayer				Acre	1	37.11	37.11	5.30		
Equipment/Implements				Acre	1	8.69	8.69	1.24		
Picker/BB/MB				Acre	1	63.43	63.43	9.06		
Owned Land Charge				Acre	1	0.00	0.00	0.00		
Misc Overhead				% of Var Costs	\$378.73	5.0%	18.94	2.71		
Management				% of Var Costs	\$378.73	5.0%	18.94	2.71		
TOTAL FIXED COSTS						147.10	21.01			
TOTAL COST						525.83	75.12			
NET RETURN						-35.83	-5.12			

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	-19.67	41.27	102.21	10.33	76.27	142.21	40.33	111.27	182.21
45	-29.67	31.27	92.21	0.33	66.27	132.21	30.33	101.27	172.21
55	-39.67	21.27	82.21	-9.67	56.27	122.21	20.33	91.27	162.21
65	-49.67	11.27	72.21	-19.67	46.27	112.21	10.33	81.27	152.21
75	-59.67	1.27	62.21	-29.67	36.27	102.21	0.33	71.27	142.21

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
Spray OTT- burndown herb	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Rip/Strip/Plant- 6-row	1000	210	8.5	40000	13.5	5400	75	4.05	1000	750	0.75	0.118	9.2	3.75
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
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	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
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	0.00
Pick- 6 row	1000	350	5.3			0		0.00		0	0.00	0.189	15.4	10.02
Boil 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	
						0		0.00		0	0.00		0.0	
Totals								16.11	3650	3115	3.12	1.15		36.09

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