

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:	Irrigated	Seed Per Bag or Lb:	250000

				Lbs/Acre	Price/Lb	Income/Ac	Cents/Lb	
INCOME (Price including LDP or Loan Gain)				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
Cover Crop			Acre	1	0.00	0.00	0.00	0.00
Seed (Including Tech Fee and Treatments)								
Seeds Per Acre	39,930		Bag	0.160	410.00	65.48	5.95	
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 OTT			Acre	1	10.00	10.00	0.91	
At Planting or Pre-Emergence			Acre	1	0.00	0.00	0.00	
Post-Emergence- OTT			Acre	1	15.00	15.00	1.36	
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	12.64	3.00	37.91	3.45	
Repairs and Maintenance			Acre	1	21.49	21.49	1.95	
Custom Picking			Acre	1	0.00	0.00	0.00	
Irrigation			Appl	7	11.00	77.00	7.00	
Crop Insurance			Acre	1	10.00	10.00	0.91	
Labor			Hrs	1.78	10.50	18.65	1.70	
Interest on Operating	Months	6	\$434.18	0.50	8.5%	18.45	1.68	
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						\$497.30	45.21	
NET RETURN ABOVE VARIABLE COST						\$272.70	24.79	
Tractors and Sprayer			Acre	1	37.11	37.11	3.37	
Equipment/Implements			Acre	1	8.69	8.69	0.79	
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	\$497.30	5.0%	24.86	2.26	
Management			% of Var Costs	\$497.30	5.0%	24.86	2.26	
TOTAL FIXED COSTS						\$248.95	22.63	
TOTAL COST						\$746.25	67.84	
NET RETURN						\$23.75	2.16	

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	56.76	117.70	178.64	106.76	172.70	238.64	156.76	227.70	298.64
125	31.76	92.70	153.64	81.76	147.70	213.64	131.76	202.70	273.64
150	6.76	67.70	128.64	56.76	122.70	188.64	106.76	177.70	248.64
175	-18.24	42.70	103.64	31.76	97.70	163.64	81.76	152.70	223.64
200	-43.24	17.70	78.64	6.76	72.70	138.64	56.76	127.70	198.64

Acres of This Crop 1000

	Fixed Costs Per Year			Fixed Costs Share For This Crop			Repairs and Maintenance			Per Acre		
	New Price	% FC	Total FC	Hrs Use	FC/Hr	% Use	Hrs Use	Hrs/Ac	FC/Acre		Est RM	Crop
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	Fixed Costs Per Year			Fixed Costs This Crop			Repairs and Maintenance			Fuel and Lube		
			Acres/Hr	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/pix	5000	150	40.0			0		0.00		0	0.00	0.025	6.6	0.57
Spray OTT- defoliation	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	
						0		0.00		0	0.00		0.0	
						0		0.00		0	0.00		0.0	
Totals								16.11	3650	3115	3.12	1.18		37.91

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