

COTTON- Strip-Till, Non-Irrigated
2011 ESTIMATED PER ACRE COSTS AND RETURNS , SOUTH AND EAST GEORGIA

Seed Technology:	B2 or W --- R or RF or LL	Row Spacing:	36
Tillage:	Strip-Till	Seed Per Foot:	2.75
Production:	Non-Irrigated	Seed Per Bag*:	233333

*Average of all Varieties and Technologies

EXPECTED INCOME	Lbs/Acre	Avg Price*	Income/Ac	Cents/Lb
	700	0.850	\$595.00	85.00

*Prices highly variable. Average price received depends on market trends and marketing decisions.

VARIABLE COST*	Unit	No. Units	Price/Unit	Cost/Acre	Cents/Lb		
Land Rent	Acre	1	0.00	0.00	0.00		
Crop Insurance	Acre	1	22.00	22.00	3.14		
BWEP	Bale	1.41	0.65	0.92	0.13		
Cover Crop	Acre	1	0.00	0.00	0.00		
Seed, Tech Fees, and Treatments (Based on # Seed/Bag)							
Seeds Per Acre	39,930	Bag	0.171	500.00	85.56	12.22	
Lime- Custom Spread	Ton	0.33	32.00	10.56	1.51		
Fertilizers							
Nitrogen	Lbs	70	0.60	42.00	6.00		
Phosphate (P2O5)	Lbs	50	0.45	22.50	3.21		
Potash (K2O)	Lbs	50	0.50	25.00	3.57		
Chicken Litter- Custom Spread	Tons	0	40.00	0.00	0.00		
Boron	Lbs	0.5	6.25	3.13	0.45		
Others	Acre	1	0.00	0.00	0.00		
Weed Control**							
Pre-Plant Broadcast	Acre	1	9.05	9.05	1.29		
At Planting or Pre-Emergence	Acre	1	11.10	11.10	1.59		
Post-Emergence OTT	Acre	1	16.20	16.20	2.31		
Post-Emergence Directed or Hood	Acre	1	11.20	11.20	1.60		
Hand Weeding	Acre	1	0.00	0.00	0.00		
Insect Control							
In-Furrow	Lbs	3.5	3.15	11.03	1.58		
Spray- Worms	Appl	0	0.00	0.00	0.00		
Spray- Stink Bugs, Other Pests	Appl	2	4.60	9.20	1.31		
Scouting	Acre	1	10.00	10.00	1.43		
Nematicide	Acre	1	0.00	0.00	0.00		
PGR	Ounces	12	0.115	1.38	0.20		
Boll Opener and Defoliant	Acre	1	13.00	13.00	1.86		
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		
Machinery and Equipment							
Fuel and Lube	Gal	10.48	2.85	29.88	4.27		
Repairs and Maintenance	Acre	1	20.39	20.39	2.91		
Labor	LT/MT	1.55	Hrs	1.98	11.25	22.28	3.18
Custom Picking	Acre	1	0.00	0.00	0.00		
Interest on Operating	Months	6	\$376.37	0.50	6.50%	12.23	1.75
Ginning and Warehousing							
Ginning	Lbs	700	0.080	56.00	8.00		
Storage and Warehousing	Bale	1.41	10.50	14.85	2.12		
Promotions, Boards, Classing	Bale	1.41	6.67	9.44	1.35		
Cottonseed	% Gin T/O	38.0	Ton	0.48	130.00	-62.26	-8.89

TOTAL VARIABLE COSTS	\$406.63	58.09
NET RETURN ABOVE VARIABLE COST	\$188.37	26.91

Tractors and Sprayer	Acre	1	29.14	29.14	4.16
Equipment/Implements	Acre	1	8.88	8.88	1.27
Picker/BB/MB	Acre	1	49.54	49.54	7.08
Owned Land Charge	Acre	1	0.00	0.00	0.00
Misc Overhead	% of Var Costs	\$406.63	5.0%	20.33	2.90
Management	% of Var Costs	\$406.63	5.0%	20.33	2.90

TOTAL FIXED COSTS	128.23	18.32
TOTAL COST	534.86	76.41
NET RETURN	60.14	8.59

* Fertilizer and fuel prices as of December 2010 and projected 2011. All costs subject to change.
 **Herbicide programs highly variable. Cost assumes managing Palmer Amaranth glyphosate resistance. Hand weeding may be needed.

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

	0.750			0.850			0.950		
	600	700	800	600	700	800	600	700	800
40	4.78	77.07	149.36	64.78	147.07	229.36	124.78	217.07	309.36
50	-5.54	66.75	139.04	54.46	136.75	219.04	114.46	206.75	299.04
60	-15.87	56.42	128.71	44.13	126.42	208.71	104.13	196.42	288.71
70	-26.19	46.10	118.39	33.81	116.10	198.39	93.81	186.10	278.39
80	-36.52	35.77	108.06	23.48	105.77	188.06	83.48	175.77	268.06

* Net return excludes Direct Payment on Base Payment Acres. No Countercyclical Payment expected.

Acres of This Crop		900										
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	This Crop	Per Acre	
Tractors												
200 HP	140000	12.5	17500	400	43.75	25	100	0.11	4.86	4200	1050	1.17
165 HP	123000	12.5	15375	600	25.63	65	390	0.43	11.10	3700	2405	2.67
100 HP	62500	12.5	7813	500	15.63	30	150	0.17	2.60	1900	570	0.63
Hi-clearance sprayer	122000	13.0	15860	235	67.49	60	141	0.16	10.57	4000	2400	2.67
Picker	320000	13.0	41600	235	177.02	100	235	0.26	46.22	9600	9600	10.67
Totals			98148				67829		75.37	23400	16025	17.81

Fuel Cost Per Gallon		2.85												
Job or Implement- Size	Total Farm			Fixed Costs Per Year			Fixed Costs This Crop		Repairs and Maintenance			Fuel and Lube		
	Acres/Yr *	HP Used	Acres/Hr	New Price	% FC	Total FC	% Use	FC/Acre	Est RM	This Crop	Per Acre	Hrs/Ac	Gal/Hr	Cost/Ac
Spray 60 ft- preplant broadcast	9000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Rip/Strip/Plant- 6-row w/PRE	1800	200	10.0	46500	13.0	6045	50	3.36	1350	675	0.75	0.100	8.8	2.88
Spray 60 ft POST- OTT	9000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Nitrogen side dress	1200	165	12.0	16000	13.0	2080	75	1.73	450	338	0.38	0.083	7.3	1.98
Spray- POST Directed 8-row	1200	165	12.0	12000	13.0	1560	75	1.30	350	263	0.29	0.083	7.3	1.98
Spray 60 ft- pgr	9000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Spray 60 ft- insecticide	9000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Spray 60 ft- insecticide	9000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Spray 60 ft- defoliate	9000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
						0		0.00		0	0.00		0.0	
						0		0.00		0	0.00		0.0	
						0		0.00		0	0.00		0.0	
						0		0.00		0	0.00		0.0	
Picker- 4 row	900	300	3.85			0		0.00		0	0.00	0.260	13.2	11.24
Boll Buggy	900	165	5.78	23000	13.0	2990	100	3.32	600	600	0.67	0.173	7.3	4.12
Module Builder	900	100	5.78			0		0.00		0	0.00	0.173	4.4	2.49
Mow/shred stalks- 20 ft	1200	165	13.50	23000	13.0	2990	75	2.49	600	450	0.50	0.074	7.3	1.76
						0		0.00		0	0.00		0.0	
Totals								10985	12.21	3350	2325	2.58	1.10	29.88

* 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.

Developed by Don Shurley and Amanda Smith, Department of Agricultural and Applied Economics, University of Georgia.

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