

**COTTON- Conventional Tillage, Non-Irrigated**  
**2011 ESTIMATED PER ACRE COSTS AND RETURNS, SOUTH AND EAST GEORGIA**

Seed Technology:	<b>B2 or W</b> --- <b>R or RF or LL</b>	Row Spacing:	<b>36</b>
Tillage:	<b>Conventional</b>	Seed Per Foot:	<b>2.50</b>
Production:	<b>Non-Irrigated</b>	Seed Per Bag*:	<b>233333</b>

\*Average of all Varieties and Technologies

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

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

<b>VARIABLE COST*</b>	<b>Unit</b>	<b>No. Units</b>	<b>Price/Unit</b>	<b>Cost/Acre</b>	<b>Cents/Lb</b>
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
Seed, Tech Fees, and Treatments (Based on # Seed/Bag)					
Seeds Per Acre	36,300	Bag	0.156	500.00	77.79
Lime- Custom Spread		Ton	0.33	32.00	10.56
Fertilizers					
Nitrogen		Lbs	70	0.60	42.00
Phosphate (P2O5)		Lbs	50	0.45	22.50
Potash (K2O)		Lbs	50	0.50	25.00
Chicken Litter- Custom Spread		Tons	0	40.00	0.00
Boron		Lbs	0.5	6.25	3.13
Others		Acre	1	0.00	0.00
Weed Control**					
Pre-Plant Broadcast or PPI		Acre	1	7.35	7.35
At Planting or Pre-Emergence		Acre	1	9.00	9.00
Post-Emergence OTT		Acre	1	16.20	16.20
Post-Emergence Directed or Hood		Acre	1	10.20	10.20
Hand Weeding		Acre	1	0.00	0.00
Insect Control					
In-Furrow		Lbs	3.5	3.15	11.03
Spray- Worms		Appl	0	0.00	0.00
Spray- Stink Bugs, Other Pests		Appl	2	4.60	9.20
Scouting		Acre	1	10.00	10.00
Nematicide		Acre	1	0.00	0.00
PGR		Ounces	12	0.115	1.38
Boll Opener and Defoliant		Acre	1	13.00	13.00
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
Machinery and Equipment					
Fuel and Lube		Gal	12.18	2.85	34.71
Repairs and Maintenance		Acre	1	22.52	22.52
Labor	LT/MT 1.55	Hrs	2.26	11.25	25.48
Custom Picking		Acre	1	0.00	0.00
Interest on Operating	Months 6	\$373.96	0.50	6.50%	12.15
Ginning and Warehousing					
Ginning		Lbs	700	0.080	56.00
Storage and Warehousing		Bale	1.41	10.50	14.85
Promotions, Boards, Classing		Bale	1.41	6.67	9.44
Cottonseed	% Gin T/O 38.0	Ton	0.48	130.00	-62.26

<b>TOTAL VARIABLE COSTS</b>	<b>\$404.14</b>	<b>57.73</b>
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<b>NET RETURN ABOVE VARIABLE COST</b>	<b>\$190.86</b>	<b>27.27</b>
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Tractors and Sprayer	Acre	1	33.30	33.30	4.76
Equipment/Implements	Acre	1	16.47	16.47	2.35
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	\$404.14	5.0%	20.21	2.89
Management	% of Var Costs	\$404.14	5.0%	20.21	2.89

<b>TOTAL FIXED COSTS</b>	<b>\$139.72</b>	<b>19.96</b>
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<b>TOTAL COST</b>	<b>\$543.86</b>	<b>77.69</b>
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<b>NET RETURN</b>	<b>\$51.14</b>	<b>7.31</b>
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\*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
<b>40</b>	7.27	79.56	151.85	67.27	149.56	231.85	127.27	219.56	311.85
<b>50</b>	-3.05	69.24	141.52	56.95	139.24	221.52	116.95	209.24	301.52
<b>60</b>	-13.38	58.91	131.20	46.62	128.91	211.20	106.62	198.91	291.20
<b>70</b>	-23.70	48.59	120.87	36.30	118.59	200.87	96.30	188.59	280.87
<b>80</b>	-34.03	38.26	110.55	25.97	108.26	190.55	85.97	178.26	270.55

\* 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	
<b>Tractors</b>												
200 HP	140000	12.5	17500	400	43.75	50	200	0.22	9.72	4200	2100	2.33
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
<b>Hi-clearance sprayer</b>	122000	13.0	15860	210	75.52	56	118	0.13	9.87	3700	2072	2.30
<b>Picker</b>	320000	13.0	41600	235	177.02	100	235	0.26	46.22	9600	9600	10.67
<b>Totals</b>			<b>98148</b>				<b>71569</b>		<b>79.52</b>	<b>23100</b>	<b>16747</b>	<b>18.61</b>

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
Disk- 30ft	3600	200	17.0	42000	13.0	5460	50	3.03	1000	500	0.56	0.059	8.8	1.70
Disk- 30ft w/ PPI herb	3600	200	14.5	47000	13.0	6110	50	3.39	1100	550	0.61	0.069	8.8	1.99
Rip and bed- 8-row	1800	200	11.0	30000	13.0	3900	50	2.17	750	375	0.42	0.091	8.8	2.62
Plant- 8 row w/in-furrow and PRE	1800	165	11.0	32500	13.0	4225	50	2.35	900	450	0.50	0.091	7.3	2.16
Spray 60 ft POST OTT	8000	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	150	12.0	12000	13.0	1560	75	1.30	350	263	0.29	0.083	6.6	1.80
Spray 60 ft- pgr	8000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Spray 60 ft- insecticide	8000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Spray 60 ft- insecticide	8000	150	38.0			0		0.00		0	0.00	0.026	6.6	0.57
Spray 60 ft- defoliate	8000	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	
<b>Picker- 4 row</b>	900	300	3.85			0		0.00		0	0.00	0.260	13.2	11.24
<b>Boll Buggy</b>	900	165	5.78	23000	13.0	2990	100	3.32	600	600	0.67	0.173	7.3	4.12
<b>Module Builder</b>	900	100	5.78			0		0.00		0	0.00	0.173	4.4	2.49
<b>Mow/shred stalks- 20 ft</b>	1200	165	13.5	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	
<b>Totals</b>							<b>17810</b>	<b>19.79</b>	<b>5750</b>	<b>3525</b>	<b>3.92</b>	<b>1.29</b>		<b>34.71</b>

\* 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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