

**COTTON- Conventional Tillage, Non-Irrigated**  
**2016 ESTIMATED PER ACRE COSTS AND RETURNS, SOUTH AND EAST GEORGIA**

<b>Seed Technology:</b>	B2RF or WRF or GLB2 or LLB2	<b>Row Spacing:</b>	36
<b>Tillage:</b>	Conventional	<b>Seed Per Foot:</b>	2.50
<b>Production:</b>	Non-Irrigated	<b>Seed Per Acre:</b>	36,300

<b>EXPECTED INCOME</b>		<b>Lbs/Acre</b>	<b>Avg Price**</b>	<b>Income/Ac</b>	<b>Cents/Lb</b>
		750	0.700	\$525.00	70.00

<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 (Including STAX)	Acre	1	26.00	26.00	3.47
Seed (Including Technology Fees)	1,000 seed	36.3	2.39	86.76	11.57
Seed Treatments	1,000 seed	36.3	0.39	14.16	1.89
Lime- Custom Spread	Ton	0.33	45.00	14.85	1.98
<b>Fertilizers</b>					
Nitrogen	Lbs	60	0.50	30.00	4.00
Phosphate (P2O5)	Lbs	50	0.42	21.00	2.80
Potash (K2O)	Lbs	50	0.34	17.00	2.27
Chicken Litter- Custom Spread	Tons	0	44.00	0.00	0.00
Boron, Sulfur, and Others	Acre	1	5.50	5.50	0.73
<b>Weed Control</b>					
Pre-Plant Broadcast or PPI	Acre	1	6.76	6.76	0.90
At Planting or PRE	Acre	1	9.13	9.13	1.22
POST	Acre	1	32.54	32.54	4.34
Layby	Acre	1	15.49	15.49	2.07
Hand Weeding	Acre	1	15.00	15.00	2.00
<b>Insect Control</b>					
Scouting	Acre	1	10.00	10.00	1.33
In-Furrow (If no seed treatment used)	Lbs	0	0.00	0.00	0.00
Spray- Caterpillar Pests	Applications	0	0.00	0.00	0.00
Spray- Stink Bugs, Other Pests	Applications	2	3.85	7.70	1.03
Nematicide (If no seed treatment used)	Acre	1	0.00	0.00	0.00
Fungicide (If no seed treatment used)	Acre	1	0.00	0.00	0.00
PGR	Ounces	26	0.078	2.03	0.27
Defoliant and Boll Opener	Acre	1	8.63	8.63	1.15
<b>Machinery and Equipment</b>					
Fuel and Lube	Gal	12.78	1.80	23.00	3.07
Repairs and Maintenance	Acre	1	31.00	31.00	4.13
Custom Spray Applications	Applications	0	0.00	0.00	0.00
Custom Picking	Acre	1	0.00	0.00	0.00
Labor	LT/MT	1.50	1.86	23.20	3.09
Interest on Operating	Months	6	\$399.74	0.50	6.50%
\$399.74		0.50	6.50%	12.99	1.73
<b>Ginning and Warehousing</b>					
Ginning	Lbs	750	0.080	60.00	8.00
Other (Hauling, Etc.)	Bale	1.52	0.00	0.00	0.00
Storage and Warehousing	Bale	1.52	10.50	15.91	2.12
Promotions, Boards, Classing	Bale	1.52	5.88	8.91	1.19
Cottonseed Credit	Gin T/O	40%	0.47	195.00	-91.41
-91.41		0.47	195.00	-91.41	-12.19
BWEF	Bale	1.52	0.75	1.14	0.15

<b>TOTAL VARIABLE COSTS</b>				\$407.29	54.30
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<b>NET RETURN ABOVE VARIABLE COST</b>				\$117.71	15.70
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Tractors and Sprayer	Acre	1	51.41	51.41	6.85
Equipment/Implements	Acre	1	18.23	18.23	2.43
Picker/BB/MB	Acre	1	80.06	80.06	10.68
Owned Land Charge	Acre	1	0.00	0.00	0.00
Misc Overhead	% of Var Costs	\$407.29	5.0%	20.36	2.72
Management	% of Var Costs	\$407.29	5.0%	20.36	2.72
<b>TOTAL FIXED COSTS</b>				\$190.43	25.39

<b>TOTAL COST</b>				\$597.71	79.70
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<b>NET RETURN</b>				-\$72.71	-9.70
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\*\* Expected average price includes LDP/MLG if applicable, and adjustments for fiber quality.

**COTTON- Conventional Tillage, Non-Irrigated**  
**2016 ESTIMATED PER ACRE COSTS AND RETURNS, SOUTH AND EAST GEORGIA**

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

Rent/Ac	0.650			0.700			0.750		
	650	750	850	650	750	850	650	750	850
50	-37.14	28.59	94.31	-4.64	66.09	136.81	27.86	103.59	179.31
75	-62.95	2.78	68.50	-30.45	40.28	111.00	2.05	77.78	153.50
100	-88.76	-23.04	42.69	-56.26	14.46	85.19	-23.76	51.96	127.69
125	-114.58	-48.85	16.88	-82.08	-11.35	59.38	-49.58	26.15	101.88
150	-140.39	-74.66	-8.94	-107.89	-37.16	33.56	-75.39	0.34	76.06

Acres of This Crop	900	Fixed Costs Per Year				Fixed Costs Share For This Crop				Repairs and Maintenance		
	New Price	% FC	Total FC	Hrs Use	FC/Hr	% Use	Hrs Use	Hrs/Ac	FC/Acre	Est RM	This Crop	Per Acre
<b>Tractors</b>												
225 HP	225000	11.61	26123	500	52.25	55	275	0.306	15.96	5700	3135	3.48
185 HP	175000	11.61	20318	600	33.86	65	390	0.433	14.67	4400	2860	3.18
100 HP	74000	11.61	8591	500	17.18	30	150	0.167	2.86	1900	570	0.63
<b>Hi-clearance sprayer</b>												
	175000	14.17	24798	255	97.25	65	166	0.184	17.91	4800	3120	3.47
<b>Picker</b>												
	465000	13.81	64217	150	428.11	100	150	0.167	71.35	12750	12750	14.17
<b>Totals</b>			<b>144045</b>				<b>110486</b>		<b>122.76</b>	<b>29550</b>	<b>22435</b>	<b>24.93</b>

Fuel Cost Per Gallon	\$1.80	Total Farm			Fixed Costs Per Year			Fixed Costs This Crop		Repairs and Maintenance			Fuel and Lube		
Job or Implement- Size	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	225	17.0	50000	12.25	6125	50	3.40	1250	625	0.69	0.059	9.90	1.21	
Disk- 30ft	3600	225	17.0	50000	12.25	6125	50	3.40	1250	625	0.69	0.059	9.90	1.21	
Rip and bed- 8-row	1800	225	11.5	32000	12.25	3920	50	2.18	800	400	0.44	0.087	9.90	1.78	
Spray 60 ft- preplant	9800	175	38.5			0		0.00			0.00	0.026	7.70	0.41	
Plant- 8 row w/PRE	1800	185	11.5	40000	12.25	4900	50	2.72	1100	550	0.61	0.087	8.14	1.47	
Spray 60 ft POST 1	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.41	
Spray 60 ft POST 2	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.41	
Side dress	1300	185	12.0	17000	12.25	2083	70	1.62	425	298	0.33	0.083	8.14	1.40	
Spray- Layby Directed 8 row	1300	185	12.0	12500	12.25	1531	70	0.00	315	221	0.25	0.083	8.14	1.40	
Spray 60 ft- pgr	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.41	
Spray 60 ft- insecticide	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.41	
Spray 60 ft- insecticide+pgr	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.41	
Spray 60 ft- defoliate	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.41	
						0		0.00		0	0.00		0.00		
Picker- 6 row	900	350	6.10			0		0.00		0	0.00	0.164	15.40	5.23	
Boll Buggy	900	185	6.10	30000	12.25	3675	100	4.08	800	800	0.89	0.164	8.14	2.76	
Module Builder	900	100	6.10	34000	12.25	4165	100	4.63	950	950	1.06	0.164	4.40	1.49	
Stalk puller/chopper- 6 row	900	225	9.5	36000	12.25	4410	100	4.90	1000	1000	1.11	0.105	9.90	2.16	
						0		0.00		0	0.00		0.00		
<b>Totals</b>							<b>25315</b>	<b>26.94</b>	<b>7890</b>	<b>5468</b>	<b>6.08</b>	<b>1.237</b>		<b>23.00</b>	

\* All acres for the implement including multiple trips over the field. Disking 1,500 acres 2 times would be 3,000 acres total. Spraying 1,500 acres 6 times would be 9,000 acres.

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

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