COTTON- Conventional Tillage, Non-Irrigated
2015 ESTIMATED PER ACRE COSTS AND RETURNS, SOUTH AND EAST GEORGIA

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

			Lbs/Acre	**Avg Price**	**Income/Ac**	**Cents/Lb**
EXPECTED INCOME			750	0.700	**$525.00**	**70.00**
VARIABLE COST		**Unit**	**No. Units**	**Price/Unit**	**Cost/Acre**	**Cents/Lb**
Land Rent		Acre	1	0.00	0.00	0.00
Crop Insurance (Including STAX)		Acre	1	22.00	22.00	2.93
Seed (Including Technology Fees)		1,000 seed	36.3	2.39	86.65	11.55
Seed Treatments		1,000 seed	36.3	0.35	12.70	1.69
Lime- Custom Spread		Ton	0.33	44.00	14.52	1.94
Fertilizers						
Nitrogen		Lbs	60	0.61	36.60	4.88
Phosphate (P2O5)		Lbs	50	0.46	23.00	3.07
Potash (K2O)		Lbs	50	0.41	20.50	2.73
Chicken Litter- Custom Spread		Tons	0	40.00	0.00	0.00
Boron, Sulfer, and Others		Acre	1	5.00	5.00	0.67
Weed Control						
Pre-Plant Broadcast or PPI		Acre	1	6.24	6.24	0.83
At Planting or PRE		Acre	1	7.63	7.63	1.02
POST		Acre	1	41.30	41.30	5.51
Layby		Acre	1	10.88	10.88	1.45
Hand Weeding		Acre	1	12.00	12.00	1.60
Insect Control						
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	4.28	8.56	1.14
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	0.086	2.24	0.30
Defoliant and Boll Opener		Acre	1	9.76	9.76	1.30
Machinery and Equipment						
Fuel and Lube		Gal	12.67	2.70	34.20	4.56
Repairs and Maintenance		Acre	1	29.68	29.68	3.96
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	Hrs	1.84	12.00	22.09	2.95
Interest on Operating	Months 6	$415.55	0.50	6.50%	13.51	1.80
Ginning and Warehousing						
Ginning		Lbs	750	0.080	60.00	8.00
Other (Hauling, Etc.)		Bale	1.50	0.00	0.00	0.00
Storage and Warehousing		Bale	1.50	10.50	15.75	2.10
Promotions, Boards, Classing		Bale	1.50	6.25	9.38	1.25
Cottonseed Credit	Gin T/O 40%	Ton	0.47	175.00	-82.03	-10.94
BWEP		Bale	1.50	0.75	1.13	0.15
TOTAL VARIABLE COSTS					**$433.27**	**57.77**
NET RETURN ABOVE VARIABLE COST					**$91.73**	**12.23**
Tractors and Sprayer		Acre	1	48.49	48.49	6.47
Equipment/Implements		Acre	1	17.14	17.14	2.28
Picker/BB/MB		Acre	1	77.42	77.42	10.32
Owned Land Charge		Acre	1	0.00	0.00	0.00
Misc Overhead		% of Var Costs	$433.27	5.0%	21.66	2.89
Management		% of Var Costs	$433.27	5.0%	21.66	2.89
TOTAL FIXED COSTS					**$186.38**	**24.85**
TOTAL COST					**$619.65**	**82.62**
NET RETURN					**-$94.65**	**-12.62**

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

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

	0.650			0.700			0.750		
Rent/Ac	**650**	**750**	**850**	**650**	**750**	**850**	**650**	**750**	**850**
50	-61.83	2.60	67.04	-29.33	40.10	109.54	3.17	77.60	152.04
75	-87.65	-23.21	41.23	-55.15	14.29	83.73	-22.65	51.79	126.23
100	-113.46	-49.02	15.42	-80.96	-11.52	57.92	-48.46	25.98	100.42
125	-139.27	-74.83	-10.40	-106.77	-37.33	32.10	-74.27	0.17	74.60
150	-165.08	-100.65	-36.21	-132.58	-63.15	6.29	-100.08	-25.65	48.79

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**
Tractors												
225 HP	225000	11.61	26123	500	52.25	55	275	0.306	15.96	5700	3135	3.48
185 HP	160000	11.61	18576	600	30.96	60	360	0.400	12.38	4000	2400	2.67
100 HP	71000	11.61	8243	500	16.49	30	150	0.167	2.75	1800	540	0.60
Hi-clearance sprayer	170000	14.17	24089	255	94.47	65	166	0.184	17.40	4650	3023	3.36
Picker	450000	13.81	62145	150	414.30	100	150	0.167	69.05	12500	12500	13.89
Totals			**139176**			**105789**			**117.54**	**28650**	**21598**	**24.00**

Fuel Cost Per Gallon	**$2.70**													
	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	45000	12.25	5513	50	3.06	1100	550	0.61	0.059	9.90	1.81
Disk- 30ft	3600	225	17.0	45000	12.25	5513	50	3.06	1100	550	0.61	0.059	9.90	1.81
Rip and bed- 8-row	1800	225	11.5	30000	12.25	3675	50	2.04	750	375	0.42	0.087	9.90	2.67
Spray 60 ft- preplant	9800	175	38.5			0		0.00				0.026	7.70	0.62
Plant- 8 row w/PRE	1800	185	11.5	38000	12.25	4655	50	2.59	1000	500	0.56	0.087	8.14	2.20
Spray 60 ft POST 1	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.62
Spray 60 ft POST 2	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.62
Side dress	1300	185	12.0	17000	12.25	2083	70	1.62	425	298	0.33	0.083	8.14	2.11
Spray- Layby DIRECTED 8 row	1300	185	12.0	12500	12.25	1531	70	0.00	315	221	0.25	0.083	8.14	2.11
Spray 60 ft- pgr	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.62
Spray 60 ft- insecticide	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.62
Spray 60 ft- insecticide+pgr	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.62
Spray 60 ft- defoliate	9800	175	38.5			0		0.00		0	0.00	0.026	7.70	0.62
						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	7.84
Boll Buggy	900	185	6.10	29000	12.25	3553	100	3.95	750	750	0.83	0.164	8.14	4.14
Module Builder	900	100	6.10	32500	12.25	3981	100	4.42	900	900	1.00	0.164	4.40	2.24
Stalk puller/chopper- 6 row	900	225	10.5	35000	12.25	4288	100	4.76	975	975	1.08	0.095	9.90	2.93
						0		0.00		0	0.00		0.00	
Totals							**24028**	**25.51**	**7315**	**5118**	**5.69**	**1.227**		**34.20**

*** 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.**

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