

Table 14

Georgia Summary

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	891,000	544,500	1.4	0.77	\$5.78	1.80%	37,125
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	148,500	9,900	1.0	0.01	\$0.07	0.02%	309
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	198,000	9,900	1.0	0.01	\$0.10	0.00%	0
Thrips	891,000	99,000	1.0	0.10	\$0.60	0.01%	186
Beet Armyworm	29,700	9,900	1.0	0.01	\$0.09	0.03%	619
Fall Armyworm	594,000	346,500	1.2	0.42	\$4.62	0.30%	6,188
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	792,000	742,500	2.2	1.65	\$12.38	0.80%	16,500
Grasshoppers	9,900	1,980	1.0	0.00	\$0.02	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	792,000	39,600	1.0	0.04	\$0.32	0.08%	1,650
Banded Winged Whitefly	19,800	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	49,500	9,900	1.0	0.01	\$0.10	0.00%	0
Loopers	9,900	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	9,900	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				3.02	\$24.06	3.03%	62,576

Yield & Management Results	
Total Acres	990,000
Total bales Harvested	1,856,250
Yield (lbs/acre)	900
Total bales Lost to Insects	62,576
Percent Yield Loss	3.03%
Yield w/o Insects (lbs/acre)	928
Ave. # Spray Applications	3.022
Yield loss to all factors	206,271
% Yield loss to all factors	10.0%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$23,819,400	\$24.06
At Planting Costs	\$8,910,000	\$9.00
Scouting costs	\$5,544,000	\$5.60
Eradication costs	\$1,980,000	\$2.00
Transgenic cotton	\$17,397,306	\$17.57
Total Costs	\$57,650,706	\$58.23
Yield Lost to insects	\$19,523,790	\$19.72
Total Losses + Costs	\$77,174,496	\$77.95