

Table 18

North Carolina

Cotton Insect Losses 2008

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	433,000	177,530	1.00	0.410	\$3.08	0.512%	3,366
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0.00	0.000	\$0.00	0.000%	0
Lygus	433,000	2,165	1.00	0.005	\$0.04	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	216,500	3,248	1.00	0.008	\$0.09	0.050%	329
Thrips	433,000	390,566	1.40	1.263	\$7.58	2.000%	13,149
Beet Armyworm	64,950	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	108,250	0	0.00	0.000	\$0.00	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	433,000	255,470	1.00	0.590	\$4.72	1.390%	9,139
Grasshoppers	43	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	433,000	5,413	1.00	0.013	\$0.14	0.001%	7
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	0	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	43,300	17,320	1.00	0.040	\$0.16	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	433,000
Total bales Harvested	631,458
Yield (lbs/acre)	700
Total bales Lost to Insects	25,989
Percent Yield Loss	3.95%
Yield w/o Insects (lbs/acre)	729
Ave. # Spray Applications	2.328
Yield loss to all factors	25,989
% Yield loss to all factors	3.95%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$6,839,473	\$15.80
At Planting Costs	\$5,334,560	\$12.32
Scouting costs	\$2,424,800	\$5.60
Eradication costs	\$541,250	\$1.25
Transgenic cotton	\$6,568,177	\$15.17
Total Costs	\$21,708,260	\$50.13
Yield Lost to insects	\$8,108,533	\$18.73
Total Losses + Costs	\$29,816,793	\$68.86