

Table 20

North Carolina

Cotton Insect Losses 2011

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	800,000	160,000	1	0.240	\$1.80	0.10%	1,250
Pink Bollworm	0	0	0	0.000	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0	0.000	\$0.00	0.00%	0
Lygus	800,000	128,000	1	0.192	\$1.39	0.20%	2,500
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	400,000	13,600	1	0.017	\$0.20	0.05%	625
Thrips	800,000	624,000	1	1.014	\$6.08	1.00%	12,500
Beet Armyworm	30,000	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	20,000	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	800,000	624,000	0	0.960	\$6.40	1.60%	20,000
Grasshoppers	80	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	800,000	8,400	1	0.011	\$0.12	0.00%	13
Banded Winged Whitefly	0	0	0	0.000	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0	0.000	\$0.00	0.00%	0
Loopers	0	0	0	0.000	\$0.00	0.00%	0
Southern Armyworms	0	0	0	0.000	\$0.00	0.00%	0
Cutworms	80,000	32,000	1	0.040	\$0.16	0.00%	0
Clouded Plant bugs	0	0	0	0.000	\$0.00	0.00%	0
Other Insects	0	0	0	0.000	\$0.00	0.00%	0
				2.474	\$16.16	2.95%	36,888

Yield & Management Results	
Total Acres	800,000
Total bales Harvested	1,250,000
yield (lbs/acre)	750
Total bales Lost to Insects	36,888
Percent Yield Loss	2.95%
Yield w/o Insects (lbs/ac)	773
Ave. # Spray Applications	2.47
Bales lost all factors	36,888
% yield loss all factors	2.95%

Economic Results		
	Total	Per Acre
Foliar Insecticides Costs	\$12,924,400	\$16.16
At Planting Costs	\$9,139,200	\$11.42
In-furrow costs	\$4,320,000	\$5.40
Scouting costs	\$4,800,000	\$6.00
Eradication costs	\$880,000	\$1.10
Transgenic cotton	\$22,373,120	\$27.97
Total Costs	\$54,436,720	\$68.05
Yield Lost to insects	\$16,820,700	\$21.03
Total Losses + Costs	\$71,257,420	\$89.07

