

Table 20

North Carolina

Cotton Insect Losses - 2013

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	502,000	25,000	2	0.050	\$0.40	0.17%	1,328
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	502,000	150,600	1	0.360	\$3.28	0.06%	469
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	100,000	17,000	1	0.034	\$0.41	0.00%	0
Thrips	502,000	452,000	1	1.100	\$7.70	0.36%	2,812
Beet Armyworm	75,300	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	125,500	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	502,000	477,000	2	1.500	\$6.40	3.00%	23,431
Grasshoppers	50	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	502,000	1,000	1	0.200	\$2.20	0.00%	8
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	25,000	12,500	1	0.025	\$0.08	0.00%	0
Clouded Plant bugs	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	3.269	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
Other	0	0	0	0.000	\$0.00	0.00%	0
				6.538	\$20.46	3.59%	28,047

Yield & Management Results	
Total Acres	502,000
Total bales Harvested	753,000
yield (lbs/acre)	720
Total bales Lost to Insects	28,047
Percent Yield Loss	3.59%
Yield w/o Insects (lbs/ac)	747
Ave. # Spray Applications	3.27
Bales lost all factors	28,047
% yield loss all factors	3.59%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$10,270,418	\$20.46
At Planting Costs	\$7,969,752	\$15.88
In-furrow costs	\$602,400	\$1.20
Scouting costs	\$2,409,600	\$4.80
Eradication costs	\$451,800	\$0.90
Transgenic cotton	\$12,644,376	\$25.19
Total Costs	\$34,348,346	\$68.42
Yield Lost to insects	\$10,500,951	\$20.92
Total Losses + Costs	\$44,849,297	\$89.34