

Table 20

North Carolina Summary

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	380,000	38,000	1	0.10	\$0.80	0.170%	1,633
Beet Armyworm	57,000	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	95,000	0	0	0.00	\$0.00	0.000%	0
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	19,000	760	2	0.00	\$0.01	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0	0.00	\$0.00	0.000%	0
Lygus	380,000	190,000	2	1.00	\$9.10	0.200%	1,921
Stink Bugs	380,000	285,000	2	1.50	\$12.00	1.900%	18,248
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	76,000	12,920	1	0.03	\$0.41	0.008%	77
Thrips	380,000	252,700	1	0.80	\$5.59	0.400%	3,842
Aphids	380,000	19,000	1	0.05	\$0.55	0.000%	0
Grasshoppers	0	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	0	0	0	0.00	\$0.00	0.000%	0
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	0	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				3.49	\$28.46	2.678%	25,720

Yield & Management Results	
Total Acres	380,000
Total bales Harvested	593,750
yield (lbs/acre)	750
Total bales Lost to Insects	25,720
Percent Yield Loss	2.68%
Yield w/o Insects (lbs/ac)	771
Ave. # Spray Applications	3.49
Bales lost all factors	366,669
% yield loss all factors	38.18%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$10,813,280	\$28.46
At Planting Costs	\$5,848,200	\$15.39
In-furrow costs	\$1,330,000	\$3.50
Scouting costs	\$1,824,000	\$4.80
Eradication costs	\$342,000	\$0.90
Transgenic cotton	\$9,524,369	\$25.06
Total Costs	\$29,681,849	\$78.11
Yield Lost to insects	\$5,555,522	\$14.62
Total Losses + Costs	\$35,237,371	\$92.73