

Table 19a

North Carolina *Bt*

Cotton Insect Losses ♦ 2004

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	600,000	580,000	0.580	\$8.50	\$4.93	1.90	17,813
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	600,000	0	0.000	N/A	0.00	0.00	0
Lygus	600,000	54,000	0.090	\$6.50	\$0.59	1.00	9,375
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	40,000	200	0.000	\$13.00	\$0.00	0.00	0
Thrips	600,000	223,000	0.409	\$5.00	\$2.04	0.10	938
Beet Armyworm	60,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	240,000	8,000	0.013	\$8.50	\$0.11	0.00	38
European Cornborer	300,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	600,000	590,000	0.590	\$8.50	\$5.02	7.00	65,625
Grasshoppers	325,000	100	0.000	\$8.00	\$0.00	0.00	0
Saltmarsh Caterpillars	400,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	600,000	72,000	0.120	\$10.00	\$1.20	0.00	0
Banded Winged Whitefly	300,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	20,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	250,000	12,500	0.021	\$4.00	\$0.08	0.00	0

Percent Lost	10.00
Total Acres	600,000
Total Bales lost	93,788
Bales lost in dollars	\$27,010,800

Est. yield/acre	750
Spray applications	1.824
Cost + loss	\$55,974,075
Cost + loss/acre	\$93.29

	Cost/ Acre
Foliar insecticide	\$13.98
At planting	\$11.04
Bt use fees	\$19.50
Eradication	\$3.75
Scouting	\$0.01
Total	\$48.27