

Table 20

North Carolina Summary

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	534,000	267,000	1.2	0.60	\$4.50	0.51%	4,109
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	534,000	64,080	1.0	0.12	\$0.87	0.00%	0
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	267,000	4,005	1.0	0.01	\$0.09	0.05%	401
Thrips	534,000	363,120	1.4	0.95	\$5.71	1.00%	8,024
Beet Armyworm	80,100	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	133,500	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	534,000	267,000	0.4	0.20	\$1.60	1.39%	11,154
Grasshoppers	53	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	534,000	534	1.0	0.00	\$0.01	0.00%	8
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	53,400	21,360	1.0	0.04	\$0.16	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 1	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 2	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 3	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects 4	0	0	0.0	0.00	\$0.00	0.00%	0
				1.92	\$12.94	2.95%	23696

Yield & Management Results

Total Acres	534000
Total bales Harvested	778750
yield (lbs/acre)	700
Total bales Lost to Insects	23696
Percent Yield Loss	2.95%
Yield w/o Insects (lbs/ac)	721
Ave. # Spray Applications	1.921
Bales lost all factors	23696
% yield loss all factors	2.95%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$6,911,562	\$12.94
At Planting Costs	\$4,210,483	\$7.88
In-furrow costs	\$5,980,800	\$11.20
Scouting costs	\$3,204,000	\$6.00
Eradication costs	\$667,500	\$1.25
Transgenic cotton	\$12,579,274	\$23.56
Total Costs	\$33,553,619	\$62.83
Yield Lost to insects	\$9,668,065	\$18.10
Total Losses + Costs	\$43,221,684	\$80.94