

Table 20

North Carolina

Cotton Insect losses 2012

Pest	acres infested	acres treated	North Carolina		cost/ acre	%red	Bales lost
			#apps/ acre trtd	#apps/ tot acres			
Boll Weevil	0	0	0	0.000	\$0.00	0.00%	0
Bollworm/Budworm	580,000	145,000	1	0.240	\$1.92	0.64%	7,318
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	580,000	116,000	1	0.240	\$2.18	0.02%	229
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.00%	0
Spider Mites	290,000	19,720	1	0.034	\$0.41	0.02%	229
Thrips	580,000	551,000	1	1.100	\$7.70	0.20%	2,287
Beet Armyworm	87,000	0	0	0.000	\$0.00	0.00%	0
Fall Armyworm	145,000	0	0	0.000	\$0.00	0.00%	0
European Cornborer	0	0	0	0.000	\$0.00	0.00%	0
Stink Bugs	580,000	435,000	1	0.950	\$6.40	1.90%	21,726
Grasshoppers	58	0	0	0.000	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0	0.000	\$0.00	0.00%	0
Aphids	580,000	34,800	1	0.060	\$0.66	0.00%	11
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	116,000	1,160	1	0.002	\$0.02	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	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
				2.626	\$19.29	2.78%	31,800

Yield & Management Results

Total Acres	580,000
Total bales Harvested	1,111,667
yield (lbs/acre)	920
Total bales Lost to Insects	31,800
Percent Yield Loss	2.78%
Yield w/o Insects (lbs/ac)	946
Ave. # Spray Applications	2.63
Bales lost all factors	31,800
% yield loss all factors	2.78%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$11,188,490	\$19.29
At Planting Costs	\$8,519,040	\$14.69
In-furrow costs	\$870,000	\$1.50
Scouting costs	\$2,784,000	\$4.80
Eradication costs	\$522,000	\$0.90
Transgenic cotton	\$11,426,302	\$19.70
Total Costs	\$35,309,832	\$60.88
Yield Lost to insects	\$11,447,929	\$19.74
Total Losses + Costs	\$46,757,761	\$80.62