

Table 20

North Carolina Summary

Cotton Insect Losses 2014

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	470,000	70,500	1	0.15	\$1.20	0.170%	2,037
Beet Armyworm	70,500	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	117,500	0	0	0.00	\$0.00	0.000%	0
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	23,500	940	2	0.00	\$0.01	0.000%	0
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0	0.00	\$0.00	0.000%	0
Lygus	470,000	188,000	2	0.88	\$8.01	0.200%	2,396
Stink Bugs	470,000	352,500	1	1.09	\$8.70	1.900%	22,762
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Other Bugs	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bug	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	94,000	10,340	1	0.02	\$0.26	0.008%	96
Thrips	470,000	329,000	1	0.84	\$5.88	0.400%	4,792
Aphids	470,000	25,380	1	0.05	\$0.59	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 (Bemisia)	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 Beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				3.04	\$24.66	2.678%	32,082

Yield & Management Results	
Total Acres	470,000
Total bales Harvested	1,028,125
yield (lbs/acre)	1,050
Total bales Lost to Insects	32,082
Percent Yield Loss	2.68%
Yield w/o Insects (lbs/ac)	1,079
Ave. # Spray Applications	3.04
Bales lost all factors	169,849
% yield loss all factors	14.18%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$11,589,260	\$24.66
At Planting Costs	\$7,461,720	\$15.88
In-furrow costs	\$3,172,500	\$6.75
Scouting costs	\$2,256,000	\$4.80
Eradication costs	\$423,000	\$0.90
Transgenic cotton	\$11,773,547	\$25.05
Total Costs	\$36,676,027	\$78.03
Yield Lost to insects	\$9,547,525	\$20.31
Total Losses + Costs	\$46,223,552	\$98.35