

Table 20

North Carolina Summary

Cotton Insect Losses 2016

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	290,000	171,100	2	0.89	\$7.97	0.170%	878
Beet Armyworm	2,900	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	2,900	0	0	0.00	\$0.00	0.000%	0
Loopers	2,900	0	0	0.00	\$0.00	0.000%	0
Cutworms	2,900	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	2,900	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	290,000	206,857	3	2.14	\$12.84	0.200%	1,032
Stink Bugs	290,000	258,100	1	0.89	\$4.23	1.900%	9,808
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	290,000	13,543	1	0.05	\$0.56	0.040%	206
Thrips	290,000	223,300	1	0.77	\$5.39	1.000%	5,162
Aphids	290,000	24,737	1	0.09	\$0.58	0.000%	0
Grasshoppers	290,000	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	200,100	0	0	0.00	\$0.00	0.690%	3,562
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
				4.82	\$31.56	4.000%	20,649

Yield & Management Results	
Total Acres	290,000
Total bales Harvested	379,417
yield (lbs/acre)	628
Total bales Lost to Insects	20,649
Percent Yield Loss	4.00%
Yield w/o Insects (lbs/ac)	654
Ave. # Spray Applications	4.82
Bales lost all factors	136,796
% yield loss all factors	26.50%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$9,151,842	\$31.56
At Planting Costs	\$4,228,200	\$14.58
In-furrow costs	\$1,957,500	\$6.75
Scouting costs	\$1,392,000	\$4.80
Eradication costs	\$261,000	\$0.90
Transgenic cotton	\$7,310,900	\$25.21
Total Costs	\$24,301,442	\$83.80
Yield Lost to insects	\$6,442,340	\$22.21
Total Losses + Costs	\$30,743,782	\$106.01