

**Table 19. North Carolina Summary**

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll weevil	20	20	0.000	\$6.50	\$0.00	0.00	0
Bollworm/budworm	955,000	732,000	1.046	\$7.80	\$8.16	3.83	61,647
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	955,000	0	0.000	N/A	0.00	0.00	0
Lygus	955,000	86,000	0.097	\$4.00	\$0.39	0.30	4,755
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	9,050	300	0.000	\$13.00	\$0.00	0.00	0
Thrips, early season	955,000	503,000	0.685	\$4.80	\$3.29	0.60	9,669
Beet Armyworm	1,900	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	9,500	0	0.000	N/A	\$0.00	0.00	0
Euro ean Corn Borer	19,375	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	955,000	91,150	0.124	\$8.25	\$1.02	3.29	53,078
Gras hoppers	50,000	1,500	0.002	\$6.00	\$0.01	0.00	25
Salt-marsh Caterpillars	44,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	955,000	18,900	0.020	\$12.00	\$0.24	0.00	0
Bandedwinged Whitefly	22,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Soybean Loopers	14,000	0	0.000	N/A	\$0.00	0.00	0
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Western Flower Thrips	475,500	12,000	0.013	\$6.00	\$0.08	0.10	1,605
Cutworms	232,000	35,000	0.037	\$4.75	\$0.17	0.00	0
<b>Percent Lost</b>	8.12		<b>Est. yield/acre</b>	810			<b>Cost/ Acre</b>
						<b>Foliar insecticide</b>	\$13.35
<b>Total Acres</b>	955,000		<b>Spray applications</b>	2.022		<b>At planting</b>	\$10.65
						<b>Bt use fees</b>	\$12.20
			<b>Cost + loss</b>	\$81,037,417		<b>Eradication</b>	\$3.85
<b>Total Bales lost</b>	130,780					<b>Scouting</b>	\$5.37
<b>Bales lost in dollars</b>	\$37,664,757		<b>Cost + loss/acre</b>	\$84.86		<b>Total</b>	\$45.42

**Table 19a. North Caroline Bt Cotton Summary**

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll weevil	20	20	0.000	\$6.50	\$0.00	0.00	0
Bollworm/budworm	621,000	423,000	0.613	\$7.80	\$4.78	1.58	16,557
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	621,000	0	0.000	N/A	0.00	0.00	0
Lygus	621,000	64,000	0.113	\$4.00	\$0.45	0.40	4,192
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	6,050	200	0.000	\$13.00	\$0.01	0.00	0
Thrips, early season	621,000	327,000	0.685	\$4.80	\$3.29	0.60	6,288
Beet Armyworm	1,250	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	6,250	0	0.000	N/A	\$0.00	0.00	0
Euro ean Corn Borer	3,125	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	621,000	90,750	0.190	\$8.25	\$1.57	4.07	42,651
Gras hoppers	32,500	1,200	0.002	\$6.00	\$0.01	0.00	16
Salt-marsh Caterpillars	30,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	621,000	14,400	0.023	\$12.00	\$0.28	0.00	0
Bandedwinged Whitefly	15,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.00	0

Soybean Loopers	9,000	0	0.000	N/A	\$0.00	0.00	0
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Western Flower Thrips	312,500	7,500	0.012	\$6.00	\$0.07	0.10	1,055
Cutworms	151,000	23,000	0.037	\$4.75	\$0.18	0.00	0
<b>Percent Lost</b> 6.75							
<b>Est. yield/acre</b> 810							
<b>Total Acres</b> 621,000							
<b>Spray applications</b> 1.676							
<b>Cost + loss</b> \$50,810,547							
<b>Total Bales lost</b> 70,759							
<b>Bales lost in dollars</b> \$20,378,588							
<b>Cost + loss/acre</b> \$81.82							
<b>Foliar insecticide</b> \$10.63							
<b>At planting</b> \$10.65							
<b>Bt use fees</b> \$18.75							
<b>Eradication</b> \$3.85							
<b>Scouting</b> \$5.12							
<b>Total</b> \$49.00							

**Table 19b. North Carolina Conventional Cotton Summary**

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	334,000	309,000	1.850	\$7.80	\$14.43	8.00	45,090
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	334,000	0	0.000	N/A	0.00	0.00	0
Lygus	334,000	22,000	0.066	\$4.00	\$0.26	0.10	564
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	3,000	100	0.000	\$13.00	\$0.00	0.00	0
Thrips, early season	334,000	176,000	0.685	\$4.80	\$3.29	0.60	3,382
Beet Armyworm	650	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	3,250	0	0.000	N/A	\$0.00	0.00	0
Euro ean Corn Borer	16,250	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	334,000	400	0.001	\$8.25	\$0.01	1.86	10,483
Gras hoppers	17,500	300	0.001	\$6.00	\$0.01	0.00	9
Salt-marsh Caterpillars	14,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	334,000	4,500	0.013	\$12.00	\$0.16	0.00	0
Bandedwinged Whitefly	7,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Soybean Loopers	5,000	0	0.000	N/A	\$0.00	0.00	0
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Western Flower Thrips	163,000	4,500	0.013	\$6.00	\$0.08	0.10	550
Cutworms	81,000	12,000	0.036	\$4.75	\$0.17	0.00	0
<b>Percent Lost</b> 10.66							
<b>Est. yield/acre</b> 810							
<b>Total Acres</b> 334,000							
<b>Spray applications</b> 2.667							
<b>Cost + loss</b> \$30,243,102							
<b>Total Bales lost</b> 60,078							
<b>Bales lost in dollars</b> \$17,302,402							
<b>Cost + loss/acre</b> \$90.55							
<b>Foliar insecticide</b> \$18.42							
<b>At planting</b> \$10.64							
<b>Bt use fees</b> \$0.00							
<b>Eradication</b> \$3.85							
<b>Scouting</b> \$5.84							
<b>Total</b> \$38.74							