

Table 19. North Carolina 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	0.000	0
Bollworm/budworm	901,000	826,500	1.717	\$8.25	\$14.17	3.212	75,364
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	400,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	901,000	98,000	0.109	\$6.50	\$0.71	0.406	9,518
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	8,950	895	0.001	\$13.00	\$0.02	0.000	0
Thrips, early season	901,000	622,000	0.897	\$4.75	\$4.26	1.200	28,156
Beet Armyworm	10,500	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	84,000	700	0.001	\$10.25	\$0.01	0.000	0
European Corn Borer	120,000	500	0.001	\$8.25	\$0.00	0.002	47
Stink Bugs	901,000	93,000	0.123	\$8.10	\$1.00	2.751	64,538
Grasshoppers	44,000	4,400	0.005	\$6.00	\$0.03	0.002	41
Salt-marsh Caterpillars	60,000	0	0.000	N/A	\$0.00	0.000	0
Aphids	901,000	36,000	0.044	\$12.00	\$0.53	0.160	3,754
Bandedwinged Whitefly	20,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	12,000	0	0.000	N/A	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	450,000	11,100	0.012	\$12.00	\$0.15	0.240	5,625
Cutworms	202,000	22,200	0.025	\$5.00	\$0.12	0.000	0
Percent Lost	7.97		Est. yield/acre	770			Cost/Acre
						Foliar insecticide	\$20.99
Total Acres	901,000		Spray applications	2.935		At planting	\$10.93
						Bt use fees	\$10.51
			Cost + loss	\$98,189,242		Eradication	\$1.85
Total Bales lost	187,043					Scouting	\$4.91
Bales lost in dollars	\$53,868,330		Cost + loss/acre	\$108.98		Total	\$49.19

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	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/budworm	492,000	426,000	0.866	\$8.25	\$7.14	1.260	16,144
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	200,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	492,000	59,500	0.121	\$6.50	\$0.79	0.560	7,175
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	4,950	495	0.001	\$13.00	\$0.02	0.000	0
Thrips, early season	492,000	342,000	0.904	\$4.75	\$4.29	1.200	15,375
Beet Armyworm	5,500	0	0.000	N/A	\$0.00	0.000	0

Fall Armyworm	44,000	200	0.000	\$10.25	\$0.00	0.000	0
European Corn Borer	60,000	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	492,000	90,000	0.220	\$8.10	\$1.78	3.840	49,200
Grasshoppers	24,000	2,400	0.005	\$6.00	\$0.03	0.002	23
Salt-marsh Caterpillars	10,000	0	0.000	N/A	\$0.00	0.000	0
Aphids	492,000	19,800	0.044	\$12.00	\$0.53	0.160	2,050
Bandedwinged Whitefly	10,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	6,000	0	0.000	N/A	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	247,000	6,100	0.012	\$12.00	\$0.15	0.241	3,088
Cutworms	101,000	12,200	0.025	\$5.00	\$0.12	0.000	0
Percent Lost	7.26		Est. yield/acre	779			Cost/ Acre
						Foliar insecticide	\$14.85
Total Acres	492,000		Spray applications	2.198		At planting	\$11.01
						Bt use fees	\$19.25
			Cost + loss	\$51,899,812		Eradication	\$1.85
Total Bales lost	93,054					Scouting	\$4.05
Bales lost in dollars	\$26,799,480		Cost + loss/acre	\$105.49		Total	\$51.02

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	0.000	0
Bollworm/budworm	409,000	400,500	2.742	\$8.25	\$22.62	5.560	59,220
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	200,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	409,000	38,500	0.094	\$6.50	\$0.61	0.220	2,343
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	4,000	400	0.001	\$13.00	\$0.02	0.000	0
Thrips, early season	409,000	280,000	0.890	\$4.75	\$4.23	1.200	12,781
Beet Armyworm	5,000	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	40,000	500	0.001	\$10.25	\$0.01	0.000	0
European Corn Borer	60,000	500	0.001	\$8.25	\$0.01	0.004	47
Stink Bugs	409,000	3,000	0.007	\$8.10	\$0.06	1.440	15,338
Grasshoppers	20,000	2,000	0.005	\$6.00	\$0.03	0.002	19
Salt-marsh Caterpillars	50,000	0	0.000	N/A	\$0.00	0.000	0
Aphids	409,000	16,200	0.044	\$12.00	\$0.52	0.160	1,704
Bandedwinged Whitefly	10,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	6,000	0	0.000	N/A	\$0.00	0.000	0
Cabbage Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	203,000	5,000	0.012	\$12.00	\$0.15	0.238	2,538

Cutworms	101,000	10,000	0.024	\$5.00	\$0.12	0.000	0
Percent Lost	8.82		Est. yield/acre	760			Cost/ Acre
						Foliar insecticide	\$28.38
Total Acres	409,000		Spray applications	3.822		At planting	\$10.83
						Bt use fees	\$0.00
			Cost + loss	\$46,289,430		Eradication	\$1.85
Total Bales lost	93,989					Scouting	\$5.94
Bales lost in dollars	\$27,068,850		Cost + loss/acre	\$113.18		Total	\$46.99