

Table 21. Tennessee Summary

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll weevil	585200	558187	4.279	\$7.00	\$29.96	4.387	53087
Bollworm/budworm	582,000	251,860	0.598	\$11.72	\$7.00	1.576	19067
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	0	0	0.000	N/A	\$0.00	0.000	0
Lygus	594,000	344,520	0.881	\$6.16	\$5.43	2.077	25137
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	280,896	84,269	0.281	\$11.77	\$3.31	0.338	4096
Thrips, early season	540,000	108,000	0.216	\$5.45	\$1.18	0.604	7307
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	30,000	0	0.000	N/A	\$0.00	0.000	0
European Corn Borer	42,000	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	540,000	149,670	0.249	\$8.50	\$2.12	0.511	6186
Grasshoppers	0	0	0.000	N/A	\$0.00	0.000	0
Salt-marsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	420,000	121,170	0.202	\$10.40	\$2.10	0.470	5683
Bandedwinged Whitefly	150,000	10,000	0.017	\$9.00	\$0.15	0.026	312
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Cabbage Loopers	5,000	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	15,000	10,000	0.017	\$5.50	\$0.09	0.001	10
Percent Lost	9.99		Est. yield/acre	476			Cost/ Acre
						Foliar insecticide	\$51.33
Total Acres	600,000		Spray applications	6.740		At planting	\$7.80
						Bt use fees	\$15.60
			Cost + loss	\$85,487,010		Eradication	\$4.12
Total Bales lost	120,885					Scouting	\$5.60
Bales lost in dollars	\$34,814,789		Cost + loss/acre	\$142.48		Total	\$84.45

Table 21a. Tennessee Bt Cotton Summary

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll weevil	396120	380452	4.487	\$7.00	\$31.41	4.195	32992
Bollworm/budworm	378,300	88,900	0.251	\$10.78	\$2.70	0.805	6332
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	0	0	0.000	N/A	\$0.00	0.000	0
Lygus	401,400	232,812	0.955	\$6.16	\$5.88	2.470	19428
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	182,582	54,775	0.281	\$11.77	\$3.31	0.338	2662
Thrips, early season	351,000	70,200	0.216	\$5.45	\$1.18	0.604	4750
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	19,500	0	0.000	N/A	\$0.00	0.000	0
European Corn Borer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	369,000	129,150	0.331	\$8.50	\$2.81	0.537	4227
Grasshoppers	0	0	0.000	N/A	\$0.00	0.000	0
Salt-marsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	297,000	103,950	0.267	\$10.40	\$2.77	0.511	4019
Bandedwinged Whitefly	97,500	6,000	0.015	\$9.00	\$0.14	0.026	203
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	0	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	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	9,750	6,500	0.017	\$5.50	\$0.09	0.001	5
Percent Lost	9.49		Est. yield/acre	490			Cost/ Acre
						Foliar insecticide	\$50.30

Total Acres	390,000		Spray applications	6.820		At planting	\$7.80
						Bt use fees	\$24.00
			Cost + loss	\$57,894,169		Eradication	\$5.65
Total Bales lost	74,617					Scouting	\$5.60
Bales lost in dollars	\$21,489,727		Cost + loss/acre	\$148.45		Total	\$93.34

Table 21b. Tennessee Conventional Cotton Summary

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	% red	Bales lost
Boll weevil	189080	177735	3.893	\$7.00	\$27.25	4.745	20095
Bollworm/budworm	203,700	162,960	1.242	\$12.07	\$14.99	3.007	12735
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	0	0	0.000	N/A	\$0.00	0.000	0
Lygus	192,600	111,708	0.745	\$6.16	\$4.59	1.348	5710
Cotton Leafperforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	98,314	29,494	0.281	\$11.77	\$3.31	0.338	1433
Thrips, early season	189,000	37,800	0.216	\$5.45	\$1.18	0.604	2558
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	10,500	0	0.000	N/A	\$0.00	0.000	0
European Corn Borer	42,000	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	171,000	20,520	0.098	\$8.50	\$0.83	0.463	1959
Grasshoppers	0	0	0.000	N/A	\$0.00	0.000	0
Salt-marsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	123,000	17,220	0.082	\$10.40	\$0.85	0.393	1664
Bandedwinged Whitefly	52,500	4,000	0.019	\$9.00	\$0.17	0.026	109
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Soybean Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Cabbage Loopers	5,000	0	0.000	N/A	\$0.00	0.000	0
Western Flower Thrips	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	5,250	3,500	0.017	\$5.50	\$0.09	0.001	5
Percent Lost	10.93		Est. yield/acre	450			Cost/ Acre
						Foliar insecticide	\$53.26
Total Acres	210,000		Spray applications	6.592		At planting	\$7.80
						Bt use fees	\$0.00
			Cost + loss	\$27,592,841		Eradication	\$1.29
Total Bales lost	46,268					Scouting	\$5.60
Bales lost in dollars	\$13,325,062		Cost + loss/acre	\$131.39		Total	\$67.94