

Table 25

Virginia Summary

Cotton Insect Losses 2016

Pest	acres infested	acres treated	Virginia Summary		cost/ acre	%red	Bales lost
			#apps/ acre trtd	#apps/ tot acres			
Bollworm/Budworm	36,000	36,000	1	0.50	\$3.00	1.000%	1,863
Beet Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Loopers	0	0	0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	0	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	0	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	72,000	72,000	2	2.00	\$3.20	1.500%	2,794
Stink Bugs	18,000	18,000	1	0.25	\$1.00	0.125%	233
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	0	0	0	0.00	\$0.00	0.000%	0
Thrips	72,000	72,000	1	1.00	\$6.40	1.000%	1,863
Aphids	0	0	0	0.00	\$0.00	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	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
				3.75	\$13.60	3.63%	6752

Yield & Management Results	
Total Acres	72,000
Total bales Harvested	105,000
yield (lbs/acre)	700
Total bales Lost to Insects	6,752
Percent Yield Loss	3.63%
Yield w/o Insects (lbs/ac)	726
Ave. # Spray Applications	3.75
Bales lost all factors	81,253
% yield loss all factors	43.63%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$979,200	\$13.60
At Planting Costs	\$576,000	\$8.00
In-furrow costs	\$64,800	\$0.90
Scouting costs	\$72,000	\$1.00
Eradication costs	\$36,000	\$0.50
Transgenic cotton	\$1,440,000	\$20.00
Total Costs	\$3,168,000	\$44.00
Yield Lost to insects	\$2,268,559	\$31.51
Total Losses + Costs	\$5,436,559	\$75.51