

Table 25

Virginia Summary

Cotton Insect Losses 2014

Pest	acres infested	acres treated	Virginia Summary		cost/ acre	%red	Bales lost
			#apps/ acre trtd	#apps/ tot acres			
Bollworm/Budworm	12,975	12,975	1	0.15	\$1.20	0.000%	0
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
Saltmarsh Caterpillar	0	0	0	0.00	\$0.00	0.000%	0
Verde Plant bug	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	0	0	0	0.00	\$0.00	0.000%	0
Lygus	8,650	8,650	1	0.10	\$0.80	0.000%	0
Stink Bugs	60,550	43,250	1	0.50	\$4.00	1.400%	3,200
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Other Bugs	0	0	0	0.00	\$0.00	0.000%	0
Bagrada Bug	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	86,500	60,550	1	0.70	\$5.60	2.000%	4,572
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 (Bemisia)	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 Beetle	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevil	0	0	0	0.00	\$0.00	0.000%	0
				1.45	\$11.60	3.400%	7,772

Yield & Management Results	
Total Acres	86,500
Total bales Harvested	216,250
yield (lbs/acre)	1,200
Total bales Lost to Insects	7,772
Percent Yield Loss	3.40%
Yield w/o Insects (lbs/ac)	1,242
Ave. # Spray Applications	1.45
Bales lost all factors	12,344
% yield loss all factors	5.40%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$1,003,400	\$11.60
At Planting Costs	\$1,124,500	\$13.00
In-furrow costs	\$77,850	\$0.90
Scouting costs	\$88,230	\$1.02
Eradication costs	\$43,250	\$0.50
Transgenic cotton	\$1,314,800	\$15.20
Total Costs	\$3,652,030	\$42.22
Yield Lost to insects	\$2,275,700	\$26.31
Total Losses + Costs	\$5,927,730	\$68.53