

**Table 25**

**Virginia**

**Cotton Insect Losses 2009**

Pest	acres infested	acres treated	#apps/ acre		cost/ acre	%red	Bales lost
			trtd	#apps/ tot acres			
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	19,500	1,300	1.0	0.02	\$0.16	0.00%	0
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	1,300	0	0.0	0.00	\$0.00	0.00%	0
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	0	0	0.0	0.00	\$0.00	0.00%	0
Thrips	65,000	65,000	1.2	1.20	\$6.00	0.33%	670
Beet Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	65,000	65,000	1.3	1.30	\$10.40	1.67%	3,392
Grasshoppers	7	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	0	0	0.0	0.00	\$0.00	0.00%	0
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				2.52	\$16.56	2.00%	4063

Yield & Management Results	
Total Acres	65,000
Total bales Harvested	128,646
Yield (lbs/acre)	950
Total bales Lost to Insects	4,063
Percent Yield Loss	2.00%
Yield w/o Insects (lbs/acre)	969
Ave. # Spray Applications	2.520
Yield loss to all factors	73,125
% Yield loss to all factors	36.0%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$1,076,400	\$16.56
At Planting Costs	\$812,500	\$12.50
Scouting costs	\$19,500	\$0.30
Eradication costs	\$162,500	\$2.50
Transgenic cotton	\$1,092,000	\$16.80
Total Costs	\$3,162,900	\$48.66
Yield Lost to insects	\$1,267,500	\$19.50
Total Losses + Costs	\$4,430,400	\$68.16