

Table 22g

Texas Southern Blacklands

Cotton Insect Losses 2008

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	26,963	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	48,516	2,113	1.00	0.025	\$0.36	0.287%	474
Pink Bollworm	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	84,522	81,986	1.40	1.358	\$9.51	1.500%	2,478
Lygus	0	0	0.00	0.000	\$0.00	0.000%	0
Cotton Leaf Perforator	0	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	4,987	0	1.00	0.000	\$0.00	0.018%	29
Thrips	79,958	34,485	0.00	0.000	\$0.00	0.189%	313
Beet Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
Fall Armyworm	0	0	0.00	0.000	\$0.00	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	21,976	3,973	1.00	0.047	\$0.49	0.130%	215
Grasshoppers	0	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	0	0	0.00	0.000	\$0.00	0.000%	0
Aphids	30,005	2,958	0.00	0.000	\$0.00	0.107%	176
Banded Winged Whitefly	0	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	0	0	0.00	0.000	\$0.00	0.000%	0
Loopers	0	0	0.00	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0.00	0.000	\$0.00	0.000%	0
Cutworms	0	0	0.00	0.000	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0.00	0.000	\$0.00	0.000%	0
Other Insects	0	0	0.00	0.000	\$0.00	0.000%	0

Yield & Management Results	
Total Acres	84,522
Total bales Harvested	87,163
Yield (lbs/acre)	495
Total bales Lost to Insects	3,684
Percent Yield Loss	2.23%
Yield w/o Insects (lbs/acre)	506
Ave. # Spray Applications	1.430
Yield loss to all factors	78,014
% Yield loss to all factors	47.23%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$875,819	\$10.36
At Planting Costs	\$894,243	\$10.58
Scouting costs	\$365,135	\$4.32
Eradication costs	\$1,521,396	\$18.00
Transgenic cotton	\$679,219	\$8.04
Total Costs	\$4,335,812	\$51.30
Yield Lost to insects	\$1,149,443	\$13.60
Total Losses + Costs	\$5,485,255	\$64.90