

Table 8

Summary of All States

Cotton insect losses 2009

Pest	acres infested	acres treated	trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	116,247	27,902	2.49	0.009	\$0.00	0.002%	400
Bollworm/Budworm	4,376,640	2,564,259	0.98	0.319	\$1.69	0.486%	91,119
Pink Bollworm	81,211	52,528	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	1,490,760	623,733	1.00	0.079	\$0.47	0.093%	15,598
Lygus	4,209,086	2,973,382	1.53	0.577	\$2.98	0.614%	126,871
Cotton Leaf Perforator	2,585	151	1.00	0.000	\$0.00	0.000%	1
Spider Mites	2,022,705	773,958	0.62	0.061	\$0.67	0.099%	21,673
Thrips	7,437,609	4,459,190	0.71	0.402	\$1.44	0.713%	138,207
Beet Armyworm	703,067	330,835	0.05	0.002	\$0.00	0.004%	643
Fall Armyworm	1,835,299	1,047,700	0.74	0.099	\$0.72	0.113%	20,238
European Cornborer	655	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	3,265,604	2,051,345	1.48	0.386	\$2.57	0.371%	79,327
Grasshoppers	1,128,763	133,086	0.21	0.004	\$0.01	0.001%	266
Saltmarsh Caterpillars	487,934	126,062	0.00	0.000	\$0.00	0.000%	0
Aphids	3,851,114	1,208,582	0.40	0.061	\$0.24	0.030%	6,456
Banded Winged Whitefly	524,519	212,790	0.01	0.000	\$0.00	0.001%	249
Silverleaf Whitefly (Bemisia)	289,731	109,454	1.00	0.014	\$0.34	0.008%	2,245
Loopers	808,131	309,849	0.12	0.005	\$0.01	0.000%	12
Southern Armyworms	68,798	19,038	1.00	0.002	\$0.01	0.000%	0
Cutworms	386,007	504,678	1.00	0.064	\$0.25	0.001%	200
Clouded Plant bugs	452,752	132,363	1.14	0.019	\$0.15	0.038%	8,300
Other Insects	62,193	50,666	1.27	0.008	\$0.09	0.003%	668
				2.111	\$11.63	2.58%	512,472

Yield & Management Results	
Total Acres	7,871,264
Total bales Harvested	12,560,769
Yield (lbs/acre)	766
Total bales Lost to Insects	512,472
Percent Yield Loss	2.579%
Yield w/o Insects (lbs/acre)	786
Ave. # Spray Applications	2.111
Yield loss to all factors	6,391,502
% Yield loss to all factors	33.56%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$91,556,134	\$11.63
At Planting Costs	\$57,670,537	\$7.33
Scouting costs	\$34,724,915	\$4.41
Eradication costs	\$36,551,322	\$4.64
Transgenic cotton	\$120,548,747	\$15.32
Total Costs	\$341,051,656	\$43.33
Yield Lost to insects	\$160,522,186	\$20.39
Total Losses + Costs	\$501,573,842	\$63.72

Eradication - PBW (\$0.26) -BW (\$4.30)