

Table 8

Arizona Summary

Cotton Insect Losses 2008

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.00	0.000	\$0.00	0.000%	0
Bollworm/Budworm	27,442	1,628	0.78	0.009	\$0.18	0.023%	102
Pink Bollworm	7,602	0	0.00	0.000	\$0.00	0.000%	0
Cotton Fleahopper	98,421	8,033	0.54	0.031	\$0.49	0.024%	122
Lygus	122,634	82,557	1.28	0.753	\$16.10	2.144%	10,727
Cotton Leaf Perforator	785	0	0.00	0.000	\$0.00	0.000%	0
Spider Mites	16,204	9,098	0.78	0.051	\$1.21	0.010%	52
Thrips	140,732	19,695	0.87	0.122	\$1.78	0.270%	1,353
Beet Armyworm	28,639	2,202	0.44	0.007	\$0.13	0.003%	14
Fall Armyworm	8,269	1,217	0.25	0.002	\$0.03	0.000%	0
European Cornborer	0	0	0.00	0.000	\$0.00	0.000%	0
Stink Bugs	61,309	5,292	0.33	0.012	\$0.28	0.044%	220
Grasshoppers	11,877	0	0.00	0.000	\$0.00	0.000%	0
Saltmarsh Caterpillars	12,219	1,213	0.89	0.008	\$0.19	0.000%	2
Aphids	38,649	2,618	0.50	0.009	\$0.17	0.004%	18
Banded Winged Whitefly	28,850	0	0.00	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (Bemesia)	110,336	84,483	1.05	0.633	\$21.11	0.442%	2,212
Loopers	16,563	1,217	0.25	0.002	\$0.04	0.000%	1
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
Pale sided flea beetle	27,900	2,815	0.80	0.016	\$0.24	0.000%	0

Yield & Management Results	
Total Acres	140,732
Total bales Harvested	431,422
Yield (lbs/acre)	1,471
Total bales Lost to Insects	14,823
Percent Yield Loss	2.96%
Yield w/o Insects (lbs/acre)	1,516
Ave. # Spray Applications	1.655
Yield loss to all factors	68,894
% Yield loss to all factors	13.8%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$5,904,437	\$41.96
At Planting Costs	\$112,532	\$0.80
Scouting costs	\$1,490,029	\$10.59
Eradication costs	\$1,534,916	\$10.91
Transgenic cotton	\$4,644,178	\$33.00
Total Costs	\$13,686,093	\$97.25
Yield Lost to insects	\$4,624,887	\$32.86
Total Losses + Costs	\$18,310,980	\$130.11