

Table 10

Arizona Summary

Cotton Insect Losses 2015

Pest	acres infested	acres treated	Arizona Summary	acres	cost/ acre	%red	Bales lost
			#apps/ acre trtd				
Bollworm/Budworm	2,762	128	1	0.00	\$0.04	0.002%	6
Beet Armyworm	6,384	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	2,248	0	0	0.00	\$0.00	0.000%	0
Loopers	3,853	0	0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	608	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	2,446	86	1	0.00	\$0.02	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	24,328	1,081	1	0.01	\$0.21	0.025%	94
Lygus	84,572	69,792	1	1.18	\$26.59	2.666%	10,061
Stink Bugs	22,689	1,751	1	0.01	\$0.16	0.040%	145
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	26,540	2,349	2	0.04	\$0.82	0.186%	701
Bagrada Bugs	2,248	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	22,081	7,466	1	0.09	\$1.69	0.105%	399
Thrips	88,382	3,827	1	0.03	\$0.50	0.049%	185
Aphids	14,108	635	1	0.01	\$0.11	0.027%	103
Grasshoppers	11,043	0	0	0.00	\$0.00	0.029%	72
Banded Winged Whitefly	6,325	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	68,403	35,793	1	0.51	\$15.39	0.433%	1,641
Darkling Beetle	14,399	1,768	1	0.01	\$0.14	0.003%	11
Pale-striped Flea Beetles	31,220	3,553	1	0.04	\$0.46	0.015%	56
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	4,548	0	0	0.00	\$0.00	0.004%	15
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				1.94	\$46.13	3.583%	13,489

Yield & Management Results	
Total Acres	88,382
Total bales Harvested	292,257
yield (lbs/acre)	1,587
Total bales Lost to Insects	13,489
Percent Yield Loss	3.58%
Yield w/o Insects (lbs/ac)	1,646
Ave. # Spray Applications	1.94
Bales lost all factors	83,676
% yield loss all factors	22.26%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$4,076,760	\$46.13	
At Planting Costs	\$187,232	\$2.12	
In-furrow costs	\$17,278	\$0.20	
Scouting costs	\$936,778	\$10.60	
Eradication costs	\$593,930	\$6.72	
Transgenic cotton	\$2,553,085	\$28.89	
Total Costs	\$8,365,062	\$94.65	
Yield Lost to insects	\$4,143,749	\$46.88	
Total Losses + Costs	\$12,508,812	\$141.53	
PBW Erad	\$5.50	BW Erad	\$1.22