

Table 29

Western Area States

Cotton Insect losses 2015

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
			trtd	acres			
Bollworm/Budworm	42,223	1,394	1	0.00	\$0.06	0.094%	619
Beet Armyworm	14,360	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	2,671	422	1	0.00	\$0.02	0.000%	0
Loopers	4,275	0	0	0.00	\$0.00	0.000%	0
Cutworms	42	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	\$0.01	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	26,861	1,503	1	0.01	\$0.08	0.007%	94
Lygus	253,010	174,389	2	1.23	\$24.11	1.404%	15,870
Stink Bugs	30,601	7,975	2	0.06	\$1.40	0.039%	338
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	26,540	2,349	2	0.01	\$0.25	0.056%	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	179,545	156,992	1	0.54	\$10.73	0.166%	1,753
Thrips	274,125	29,910	1	0.10	\$0.89	0.095%	997
Aphids	140,861	53,150	1	0.18	\$3.25	0.012%	146
Grasshoppers	13,576	591	1	0.00	\$0.02	0.026%	185
Banded Winged Whitefly	6,325	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	168,430	110,799	2	0.67	\$16.66	0.216%	2,501
Darkling Beetle	14,399	1,768	1	0.00	\$0.04	0.001%	11
Pale-striped Flea Beetles	31,220	3,553	1	0.01	\$0.14	0.004%	56
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	4,548	0	0	0.00	\$0.00	0.001%	15
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				2.81	\$57.65	2.122%	23,272

Yield & Management Results	
Total Acres	292,589
Total bales Harvested	907,963
yield (lbs/acre)	1,490
Total bales Lost to Insects	23,272
Percent Yield Loss	2.12%
Yield w/o Insects (lbs/ac)	1,522
Ave. # Spray Applications	2.81
Bales lost all factors	114,478
% yield loss all factors	11.20%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$16,866,463	\$57.65
At Planting Costs	\$1,940,547	\$6.63
In-furrow costs	\$338,892	\$1.16
Scouting costs	\$2,597,266	\$8.88
Eradication costs	\$1,967,878	\$6.73
Transgenic cotton	\$3,286,138	\$11.23
Total Costs	\$26,997,184	\$92.27
Yield Lost to insects	\$9,568,910	\$32.70
Total Losses + Costs	\$36,566,095	\$124.97