

Table 29

Western Area States

Cotton Insect losses 2016

Pest	acres infested	acres treated	Western Area States		cost/ acre	%red	Bales lost
			#apps/ acre trtd	#apps/ tot acres			
Bollworm/Budworm	11,422	186	1	0.00	\$0.01	0.012%	107
Beet Armyworm	51,897	26	1	0.00	\$0.00	0.001%	13
Fall Armyworm	7,753	186	1	0.00	\$0.01	0.000%	0
Loopers	49,525	0	0	0.00	\$0.00	0.000%	0
Cutworms	2,301	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	6,648	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	8,446	982	1	0.00	\$0.05	0.004%	68
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	71,983	5,129	1	0.01	\$0.08	0.068%	574
Lygus	349,686	207,261	2	0.98	\$16.91	2.029%	28,700
Stink Bugs	47,500	1,375	1	0.00	\$0.06	0.015%	137
Clouded Plant bugs	2,969	74	1	0.00	\$0.00	0.013%	104
Brown Stink bug	42,594	1,090	1	0.00	\$0.02	0.010%	159
Bagrada Bugs	0	0	0	0.00	\$0.00	0.000%	0
Leaf footed bugs	2,827	0	0	0.00	\$0.00	0.000%	0
Spider Mites	235,591	201,409	1	0.54	\$6.64	0.017%	270
Thrips	364,951	50,743	1	0.14	\$1.09	0.191%	1,685
Aphids	126,635	35,185	1	0.09	\$0.69	0.004%	71
Grasshoppers	1,809	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	11,026	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	211,999	108,607	2	0.50	\$17.60	0.340%	42,918
Darkling Beetle	2,906	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	14,475	3,244	1	0.01	\$0.12	0.006%	85
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	982	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				2.28	\$43.29	2.711%	37,466

Yield & Management Results	
Total Acres	371,594
Total bales Harvested	1,202,373
yield (lbs/acre)	1,553
Total bales Lost to Insects	37,466
Percent Yield Loss	2.71%
Yield w/o Insects (lbs/ac)	1,596
Ave. # Spray Applications	2.28
Bales lost all factors	158,949
% yield loss all factors	11.66%

Economic Results		
	Total	Per Acre
Foliar Insecticides Costs	\$16,086,085	\$43.29
At Planting Costs	\$490,258	\$1.32
In-furrow costs	\$13,613	\$0.04
Scouting costs	\$3,824,638	\$10.29
Eradication costs	\$2,509,740	\$6.75
Transgenic cotton	\$2,130,193	\$5.73
Total Costs	\$25,054,527	\$67.42
Yield Lost to insects	\$16,580,190	\$44.62
Total Losses + Costs	\$41,634,717	\$112.04