

Table 29

Western Area States

Cotton Insect losses 2014

Pest	acres infested	acres treated	Western Area States		cost/ acre	%red	Bales lost
			#apps/ acre trtd	#apps/ tot acres			
Bollworm/Budworm	52,254	1,306	1	0.00	\$0.03	0.072%	940
Beet Armyworm	9,455	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	4,192	435	1	0.00	\$0.01	0.002%	22
Loopers	7,518	0	0	0.00	\$0.00	0.000%	0
Cutworms	2,976	3	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	8,926	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforater	1,269	0	0	0.00	\$0.00	0.003%	44
Cotton Fleahopper	88,416	15,386	1	0.02	\$0.18	0.001%	11
Lygus	362,021	211,343	1	0.76	\$14.35	2.177%	36,020
Stink Bugs	90,464	14,399	2	0.08	\$1.43	0.300%	4,758
Leaf-footed Bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	100,058	9,580	1	0.03	\$0.55	0.218%	3,644
Bagrada Bug	1,029	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	653	0	0	0.00	\$0.00	0.003%	37
Spider Mites	273,781	221,458	1	0.55	\$4.50	0.094%	1,587
Thrips	361,262	52,688	1	0.14	\$1.19	0.089%	1,508
Aphids	211,854	42,835	1	0.11	\$2.09	0.005%	76
Grasshoppers	25,306	609	1	0.00	\$0.01	0.013%	166
Banded Winged Whitefly	34,606	3,154	1	0.00	\$0.12	0.000%	0
Silverleaf Whitefly (Bemisia)	253,035	168,183	2	0.68	\$23.15	0.251%	4,246
Darkling Beetle	14,701	83	0	0.00	\$0.00	0.017%	284
Pale-striped Flea Beetle	64,129	5,424	1	0.01	\$0.09	0.000%	0
Green June Beetle	166	0	0	0.00	\$0.00	0.000%	0
				2.38	\$47.72	3.244%	53,342

Yield & Management Results	
Total Acres	405,996
Total bales Harvested	1,361,368
yield (lbs/acre)	1,610
Total bales Lost to Insects	53,342
Percent Yield Loss	3.24%
Yield w/o Insects (lbs/ac)	1,663
Ave. # Spray Applications	2.38
Bales lost all factors	225,356
% yield loss all factors	14.20%

Economic Results	Total	per Acre	
Foliar Insecticides Costs	\$19,372,315	\$47.72	
At Planting Costs	\$2,828,129	\$6.97	
In-furrow costs	\$67,494	\$0.17	
Scouting costs	\$3,951,417	\$9.73	
Eradication costs	\$1,329,504	\$3.27	
Transgenic cotton	\$5,176,396	\$12.75	
Total Costs	\$32,725,257	\$80.60	
Yield Lost to insects	\$22,451,948	\$55.30	
Total Losses + Costs	\$55,177,204	\$135.91	
BWE	\$1.09	PBE	\$2.18