

Table 10

## Arizona Summary

## Cotton Insect Losses 2014

Pest	acres infested	acres treated	Arizona Summary	Cotton Insect Losses 2014				
			#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost	
Bollworm/Budworm	10,395	0	0	0.00	\$0.00	0.008%	46	
Beet Armyworm	6,409	0	0	0.00	\$0.00	0.000%	0	
Fall Armyworm	3,756	0	0	0.00	\$0.00	0.004%	22	
Loopers	7,083	0	0	0.00	\$0.00	0.000%	0	
Cutworms	2,932	0	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	0.008%	44	
Cotton Fleahopper	85,805	14,950	1	0.06	\$0.46	0.002%	11	
Lygus	150,824	122,395	2	1.45	\$31.49	4.378%	27,680	
Stink Bugs	78,566	4,242	1	0.02	\$0.30	0.203%	1,279	
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0	
Brown Stink bug	100,058	9,580	1	0.08	\$1.46	0.581%	3,644	
Bagrada Bug	1,029	0	0	0.00	\$0.00	0.000%	0	
Leaf-footed Bugs	0	0	0	0.00	\$0.00	0.000%	0	
Spider Mites	67,589	32,098	1	0.22	\$4.69	0.251%	1,587	
Thrips	142,739	15,108	1	0.13	\$1.58	0.226%	1,434	
Aphids	20,753	58	1	0.00	\$0.00	0.000%	2	
Grasshoppers	22,694	0	0	0.00	\$0.00	0.000%	0	
Banded Winged Whitefly	34,606	3,154	1	0.01	\$0.31	0.000%	0	
Silverleaf Whitefly (Bemisia)	126,795	84,023	1	0.71	\$19.91	0.662%	4,197	
Darkling Beetle	14,701	83	0	0.00	\$0.00	0.045%	284	
Pale-striped Flea Beetle	62,025	3,320	0	0.00	\$0.07	0.000%	0	
Green June Beetle	166	0	0	0.00	\$0.00	0.000%	0	
				2.69	\$60.27	6.369%	40,231	

Yield & Management Results	
Total Acres	152,069
Total bales Harvested	507,233
yield (lbs/acre)	1,601
Total bales Lost to Insects	40,231
Percent Yield Loss	6.37%
Yield w/o Insects (lbs/ac)	1,710
Ave. # Spray Applications	2.69
Bales lost all factors	125,509
% yield loss all factors	19.84%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$9,164,630	\$60.27	
At Planting Costs	\$505,591	\$3.32	
In-furrow costs	\$25,400	\$0.17	
Scouting costs	\$1,906,432	\$12.54	
Eradication costs	\$1,021,907	\$6.72	
Transgenic cotton	\$4,520,949	\$29.73	
Total Costs	\$17,144,910	\$112.74	
Yield Lost to insects	\$14,289,927	\$93.97	
Total Losses + Costs	\$31,434,837	\$206.71	
PBE	\$5.50	BWE	\$1.22