

Table 10

Arizona Summary

Cotton Insect Losses - 2013

Pest	Arizona Summary			Cotton Insect Losses - 2013			
	Acres Infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	17,739	578	2.3	0.01	\$0.12	0.03%	187
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	109,312	5,730	1.0	0.03	\$0.33	0.08%	566
Lygus	160,913	114,519	2.1	1.44	\$32.72	2.27%	15,441
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	95,694	33,677	1.0	0.21	\$4.39	0.42%	2,876
Thrips	153,204	14,008	0.9	0.07	\$1.35	0.15%	1,019
Beet Armyworm	19,832	578	0.7	0.00	\$0.06	0.01%	73
Fall Armyworm	4,165	0	0.0	0.00	\$0.00	0.00%	11
Brown Stink Bug	110,829	64,306	1.9	0.73	\$14.88	1.23%	8,351
Stink Bugs	81,511	20,737	1.0	0.13	\$2.69	0.34%	2,298
Grasshoppers	8,575	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	8,989	240	1.0	0.00	\$0.02	0.00%	16
Aphids	22,678	5,239	1.3	0.04	\$0.56	0.00%	16
Banded Winged Whitefly	34,469	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	135,894	70,027	1.7	0.71	\$19.59	1.07%	7,254
Loopers	6,762	0	0.0	0.00	\$0.00	0.00%	0
Others	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	0	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Darkling Beetles	20,819	114	1.0	0.00	\$0.01	0.00%	10
Bagrada bug	2,061	0	0.0	0.00	\$0.00	0.00%	0
Others	0	0	0.0	0.00	\$0.00	0.00%	0
Mealy bugs	487	0	0.0	0.00	\$0.00	0.00%	0
Pale-sided Flea Beetle	61,431	243	1.0	0.00	\$0.02	0.00%	0
				3.388	\$76.73	5.61%	38118

Yield & Management Results	
Total Acres	165,280
Total bales Harvested	524,354
Yield (lbs/acre)	1,523
Total bales Lost to Insects	38,118
Percent Yield Loss	5.61%
Yield w/o Insects (lbs/ac)	1,613
Ave. # Spray Applications	3.388
yield loss to all factors	155,255
% yield loss all factors	22.8%

All data in this Table are preliminary

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$12,682,619	\$76.73
At Planting Costs	\$166,607	\$1.01
In-furrow costs	\$70,137	\$0.42
Scouting costs	\$2,163,468	\$13.09
Eradication costs	\$1,110,680	\$6.72
Transgenic cotton	\$5,449,540	\$32.97
Total Costs	\$21,643,051	\$130.95
Yield Lost to insects	\$14,454,343	\$87.45
Total Losses + Costs	\$36,097,394	\$218.40
PBW erad	\$5.50	BW erad
		\$1.22