

**Table 10**

**Arizona Summary**

**Cotton Insect Losses 2010**

Pest	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	34,677	1,021	1.0	0.01	\$0.08	0.05%	400
Pink Bollworm	4,525	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	129,706	50,287	0.3	0.08	\$1.43	0.11%	824
Lygus	177,805	123,047	1.2	0.74	\$14.46	2.02%	15,556
Cotton Leaf Perforator	12,308	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	91,557	14,458	0.7	0.05	\$1.15	0.17%	1,323
Thrips	199,363	40,296	0.6	0.12	\$1.34	0.39%	3,014
Beet Armyworm	28,303	408	1.0	0.00	\$0.02	0.00%	14
Fall Armyworm	13,738	0	0.0	0.00	\$0.00	0.00%	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.00%	0
Stink Bugs	124,558	30,525	0.5	0.08	\$1.26	0.12%	904
Grasshoppers	13,158	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	6,009	0	0.0	0.00	\$0.00	0.00%	0
Aphids	49,005	10,456	0.5	0.03	\$0.45	0.02%	184
Banded Winged Whitefly	24,964	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	164,491	85,797	1.0	0.43	\$10.84	0.42%	3,271
Loopers	17,946	0	0.0	0.00	\$0.00	0.00%	14
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	3,826	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Pale-sided Fleabeetle	81,148	464	0.3	0.00	\$0.02	0.01%	70
Bagrada stink bug	21,177	0	0.0	0.00	\$0.00	0.00%	0
Darkling beetles	21,795	1,488	0.5	0.00	\$0.07	0.00%	17
Misc.(crickets, seed corn maggots)	638	638	0.5	0.00	\$0.02	0.00%	1
				1.54	\$31.13	3.32%	25,591

<b>Yield &amp; Management Results</b>	
Total Acres	199,828
Total bales Harvested	623,361
Yield (lbs/acre)	1,497
Total bales Lost to Insects	25,591
Percent Yield Loss	3.32%
Yield w/o Insects (lbs/ac)	1,549
Ave. # Spray Applications	1.537
yield loss to all factors	123,336
% yield loss all factors	16.52%

<b>Economic Results</b>	Total	Per Acre
Foliar Insecticides Costs	\$6,220,132	\$31.13
At Planting Costs	\$329,272	\$1.65
In-furrow costs	\$3,242	\$0.02
Scouting costs	\$2,017,006	\$10.09
Eradication costs	\$2,023,448	\$10.13
Transgenic cotton	\$5,332,839	\$26.69
<b>Total Costs</b>	<b>\$15,925,940</b>	<b>\$79.70</b>
Yield Lost to insects	\$7,984,293	\$39.96
<b>Total Losses + Costs</b>	<b>\$23,910,233</b>	<b>\$119.65</b>

Official Az Losses may be seen on the Az WEB <http://cals.arizona.edu/crops/insects/cil/cil.html>

Eradication includes PBW: \$8.04 and BW: \$2.09