

Table 10B

Arizona Non-Bt

Cotton Insect Losses 2012

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	1,228	409	2.5	0.28	\$5.28	0.98%	130
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	1,064	0	0.0	0.00	\$0.00	0.00%	0
Lygus	2,374	409	3.0	0.33	\$10.00	1.28%	171
Cotton Leaf Perforator	1,883	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	409	409	1.0	0.11	\$3.11	0.10%	14
Thrips	3,683	0	0.0	0.00	\$0.00	0.00%	0
Beet Armyworm	409	409	2.5	0.28	\$5.28	0.03%	3
Fall Armyworm	0	0	0.0	0.00	\$0.00	0.00%	0
****Brown Stink Bug****	409	0	0.0	0.00	\$0.00	0.03%	3
****OTHER Stink Bugs****	655	0	0.0	0.00	\$0.00	0.10%	13
Grasshoppers	409	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	82	0	0.0	0.00	\$0.00	0.00%	0
Aphids	368	0	0.0	0.00	\$0.00	0.06%	7
Banded Winged Whitefly	164	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	409	409	2.0	0.22	\$7.11	0.04%	5
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
****Pollenators**** (seed breeding)	409	409	2.0	0.22	\$3.33	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	0	0	0.0	0.00	\$0.00	0.00%	0
Bagrada bug	0	0	0.0	0.00	\$0.00	0.00%	0
****Citrus thrips****	0	0	0.0	0.00	\$0.00	0.00%	0
Mealy bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Pale-sided Flea Beetles	0	0	0.0	0.00	\$0.00	0.00%	0
				1.44	\$34.11	2.61%	348

Yield & Management Results	
Total Acres	3,683
Total bales Harvested	9,400
Yield (lbs/acre)	1,225
Total bales Lost to Insects	348
Percent Yield Loss	2.61%
Yield w/o Insects (lbs/ac)	1,258
Ave. # Spray Applications	1.44
yield loss to all factors	3,962
% yield loss all factors	29.7%

All data in this Table are preliminary

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$125,629	\$34.11
At Planting Costs	\$0	\$0.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$22,509	\$6.11
Eradication costs	\$24,715	\$6.71
Transgenic cotton	\$0	\$0.00
Total Costs	\$172,852	\$46.93
Yield Lost to insects	\$125,408	\$34.05
Total Losses + Costs	\$298,260	\$80.98

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