

Table 10b

Arizona nonBt

Cotton Insect Losses – 2013

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	2,725	578	2.3	0.44	\$6.58	1.52%	187
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	1,779	0	0.0	0.00	\$0.00	0.00%	0
Lygus	2,965	818	1.5	0.41	\$9.31	2.00%	247
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	578	338	1.0	0.11	\$2.85	0.18%	22
Thrips	2,965	0	0.0	0.00	\$0.00	0.00%	0
Beet Armyworm	2,740	578	0.7	0.14	\$3.34	0.59%	73
Fall Armyworm	480	0	0.0	0.00	\$0.00	0.09%	11
Brown Stink Bugs	893	240	1.0	0.08	\$1.46	0.65%	81
Stink Bugs	1,539	480	1.0	0.16	\$2.59	1.03%	128
Grasshoppers	541	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	1,442	240	1.0	0.08	\$1.30	0.13%	16
Aphids	1,073	353	0.6	0.07	\$1.57	0.10%	12
Banded Winged Whitefly	480	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (<i>Bemisia</i>)	2,245	1,044	1.0	0.35	\$11.38	0.90%	111
Loopers	480	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	578	0	0.0	0.00	\$0.00	0.00%	0
Bagrada bug	0	0	0.0	0.00	\$0.00	0.00%	0
Others	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	1,261	0	0.0	0.00	\$0.00	0.00%	0
				1.85	\$40.38	7.19%	887

Yield & Management Results	
Total Acres	2,965
Total bales Harvested	8,742
Yield (lbs/acre)	1,415
Total bales Lost to Insects	887
Percent Yield Loss	7.19%
Yield w/o Insects (lbs/ac)	1,525
Ave. # Spray Applications	1.85
yield loss to all factors	3,598
% yield loss all factors	29.2%

All data in this Table are preliminary

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$119,730	\$40.38
At Planting Costs	\$0	\$0.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$26,096	\$8.80
Eradication costs	\$19,928	\$6.72
Transgenic cotton	\$0	\$0.00
Total Costs	\$165,754	\$55.90
Yield Lost to insects	\$336,503	\$113.47
Total Losses + Costs	\$502,257	\$169.37
PBW	\$5.50	BW
		\$1.22

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