

Table 10b

Arizona Conventional

Cotton Insect Losses 2014

Pest	acres infested	acres treated	Arizona Conventional	#apps/ tot acres	cost/ acre	%red	Bales lost
			#apps/ acre trtd				
Bollworm/Budworm	1,269	0	0	0.00	\$0.00	0.286%	22
Beet Armyworm	1,269	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	1,269	0	0	0.00	\$0.00	0.286%	22
Loopers	1,269	0	0	0.00	\$0.00	0.000%	0
Cutworms	1,269	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	1,269	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforater	1,269	0	0	0.00	\$0.00	0.571%	44
Cotton Fleahopper	2,220	0	0	0.00	\$0.00	0.000%	0
Lygus	2,220	1,110	2	1.00	\$25.00	5.400%	416
Stink Bugs	2,220	0	0	0.00	\$0.00	0.500%	39
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	2,220	0	0	0.00	\$0.00	2.500%	193
Bagrada Bug	0	0	0	0.00	\$0.00	0.000%	0
Leaf-footed Bugs	0	0	0	0.00	\$0.00	0.000%	0
Spider Mites	1,745	333	1	0.15	\$2.85	0.393%	30
Thrips	2,220	0	0	0.00	\$0.00	0.000%	0
Aphids	0	0	0	0.00	\$0.00	0.000%	0
Grasshoppers	1,269	0	0	0.00	\$0.00	0.000%	0
Banded Winged Whitefly	1,269	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly (Bemisia)	1,269	733	1	0.33	\$9.90	0.000%	0
Darkling Beetle	1,269	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetle	1,269	0	0	0.00	\$0.00	0.000%	0
Green June Beetle	0	0	0	0.00	\$0.00	0.000%	0
				1.48	\$37.75	9.936%	765

Yield & Management Results	
Total Acres	2,220
Total bales Harvested	5,551
yield (lbs/acre)	1,200
Total bales Lost to Insects	765
Percent Yield Loss	9.94%
Yield w/o Insects (lbs/ac)	1,332
Ave. # Spray Applications	1.48
Bales lost all factors	2,152
% yield loss all factors	27.94%

Economic Results	Total	Per Acre	
Foliar Insecticides Costs	\$83,817	\$37.75	
At Planting Costs	\$0	\$0.00	
In-furrow costs	\$0	\$0.00	
Scouting costs	\$21,582	\$9.72	
Eradication costs	\$14,921	\$6.72	
Transgenic cotton	\$0	\$0.00	
Total Costs	\$120,320	\$54.19	
Yield Lost to insects	\$271,793	\$122.41	
Total Losses + Costs	\$392,112	\$176.60	
PBE	\$5.50	BWE	\$1.22