

Table 10b

Arizona Conventional

Cotton Insect Losses 2015

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	%red	Bales lost
Bollworm/Budworm	1,282	128	1	0.05	\$1.25	0.125%	9
Beet Armyworm	1,282	0	0	0.00	\$0.00	0.000%	0
Fall Armyworm	0	0	0	0.00	\$0.00	0.000%	0
Loopers	1,282	0	0	0.00	\$0.00	0.000%	0
Cutworms	0	0	0	0.00	\$0.00	0.000%	0
Cotton Leafperforator	1,282	0	0	0.00	\$0.00	0.000%	0
Saltmarsh Caterpillar	1,282	0	0	0.00	\$0.00	0.000%	0
Verde Plant Bugs	0	0	0	0.00	\$0.00	0.000%	0
Cotton Fleahopper	2,564	0	0	0.00	\$0.00	0.000%	0
Lygus	2,564	846	1	0.33	\$7.26	2.000%	147
Stink Bugs	1,282	0	0	0.00	\$0.00	0.075%	6
Clouded Plant bugs	0	0	0	0.00	\$0.00	0.000%	0
Brown Stink bug	256	513	1	0.20	\$4.00	0.050%	4
Bagrada Bugs	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	0	0	0	0.00	\$0.00	0.000%	0
Thrips	2,564	0	0	0.00	\$0.00	0.000%	0
Aphids	0	0	0	0.00	\$0.00	0.000%	0
Grasshoppers	1,282	0	0	0.00	\$0.00	0.500%	37
Banded Winged Whitefly	256	0	0	0.00	\$0.00	0.000%	0
Silverleaf Whitefly	897	513	1	0.20	\$6.00	0.175%	13
Darkling Beetle	0	0	0	0.00	\$0.00	0.000%	0
Pale-striped Flea Beetles	256	0	0	0.00	\$0.00	0.000%	0
Mealybugs	0	0	0	0.00	\$0.00	0.000%	0
Crickets	0	0	0	0.00	\$0.00	0.000%	0
Boll Weevils	0	0	0	0.00	\$0.00	0.000%	0
				0.78	\$18.51	2.925%	215

Yield & Management Results	
Total Acres	2,564
Total bales Harvested	6,410
yield (lbs/acre)	1,200
Bales Lost to insects	215
Percent Yield Loss	2.93%
Yield w/o Insects (lbs/ac)	1,236
Ave # Spray Applications	0.78
Bales lost all factors	951
% yield loss all factors	12.93%

Economic Results	Total	Per Acre
Foliar Insecticides Costs	\$47,460	\$18.51
At Planting Costs	\$0	\$0.00
In-furrow costs	\$0	\$0.00
Scouting costs	\$34,614	\$13.50
Eradication costs	\$17,230	\$6.72
Transgenic cotton	\$0	\$0.00
Total Costs	\$99,304	\$38.73
Yield Lost to insects	\$66,147	\$25.80
Total Losses + Costs	\$165,451	\$64.53