

Table 10

Arizona Summary

Cotton Insect Losses 2009

Pest	Acres Infested	acres treated	#apps/ acre trtd	#apps/ tot		%red	Bales lost
				acres	cost/ acre		
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	20,350	0	0.0	0.00	\$0.00	0.00%	2
Pink Bollworm	241	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	68,418	3,097	0.8	0.02	\$0.20	0.04%	218
Lygus	129,224	91,527	1.5	0.93	\$20.01	1.95%	10,396
Cotton Leaf Perforator	1,029	151	1.0	0.00	\$0.02	0.00%	1
Spider Mites	95,095	15,308	0.8	0.08	\$2.45	0.35%	1,854
Thrips	147,057	4,854	1.0	0.03	\$0.35	0.07%	354
Beet Armyworm	23,195	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	5,391	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	58,371	8,603	1.0	0.06	\$1.00	0.49%	2,583
Grasshoppers	12,903	0	0.0	0.00	\$0.00	0.00%	0
Saltmarsh Caterpillars	9,453	0	0.0	0.00	\$0.00	0.00%	0
Aphids	19,407	807	1.0	0.01	\$0.10	0.01%	60
Banded Winged Whitefly	33,561	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemisia)	116,231	74,432	1.0	0.51	\$13.66	0.40%	2,122
Loopers	12,723	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	2,881	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 flea beetle	720	144	1.0	0.00	\$0.02	0.00%	1
				1.64	\$37.80	3.31%	17,591

Yield & Management Results	
Total Acres	147,057
Total bales Harvested	450,362
Yield (lbs/acre)	1470
Total bales Lost to Insects	17,591
Percent Yield Loss	3.31%
Yield w/o Insects (lbs/acre)	1,520
Ave. # Spray Applications	1.639
Yield loss to all factors	78,026
% Yield loss to all factors	14.7%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$5,558,889	\$37.80
At Planting Costs	\$91,819	\$0.62
Scouting costs	\$1,449,280	\$9.86
Eradication costs	\$1,569,098	\$10.67
Transgenic cotton	\$4,901,024	\$33.33
Total Costs	\$13,570,109	\$92.28
Yield Lost to insects	\$5,625,809	\$38.26
Total Losses + Costs	\$19,195,919	\$130.53

All data in this Table are preliminary

Eradication includes PBW: \$8.57 and BW: \$2.10