

Table 19

New Mexico

Cotton Insect Losses 2009

Pest	acres infested	acres treated	#apps/ acre	#apps/ tot	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.00%	0
Bollworm/Budworm	2,812	1,592	1.0	0.05	\$0.89	0.02%	27
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.00%	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.00%	0
Lygus	1,152	3,964	1.0	0.12	\$2.21	0.04%	44
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.00%	0
Spider Mites	0	0	0.0	0.00	\$0.00	0.00%	0
Thrips	0	0	0.0	0.00	\$0.00	0.00%	0
Beet Armyworm	34	0	0.0	0.00	\$0.00	0.00%	0
Fall Armyworm	0	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	0	0	0.0	0.00	\$0.00	0.00%	0
Grasshoppers	5,420	813	1.0	0.02	\$0.45	0.13%	138
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.00%	0
Aphids	1,762	339	1.0	0.01	\$0.22	0.00%	0
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.00%	0
Silverleaf Whitefly (Bemesia)	0	0	0.0	0.00	\$0.00	0.00%	0
Loopers	0	0	0.0	0.00	\$0.00	0.00%	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.00%	0
Cutworms	2,778	0	0.0	0.00	\$0.00	0.00%	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.00%	0
Other Insects	0	0	0.0	0.00	\$0.00	0.00%	0
				0.20	\$3.76	0.19%	208

Yield & Management Results	
Total Acres	33,877
Total bales Harvested	98,921
Yield (lbs/acre)	1402
Total bales Lost to Insects	208
Percent Yield Loss	0.19%
Yield w/o Insects (lbs/acre)	1,404
Ave. # Spray Applications	0.198
Yield loss to all factors	8,713
% Yield loss to all factors	8.1%

Economic Results		
	Total	Per Acre
Foliar Insecticides - costs	\$127,441	\$3.76
At Planting Costs	\$238,833	\$7.05
Scouting costs	\$136,186	\$4.02
Eradication costs	\$269,196	\$7.95
Transgenic cotton	\$580,328	\$17.13
Total Costs	\$1,351,984	\$39.91
Yield Lost to insects	\$65,048	\$1.92
Total Losses + Costs	\$1,417,032	\$41.83

*Eradication is both boll weevil and pink bollworm