

Table 19

New Mexico Survey

Cotton Insect Losses 2010

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	% Reduction	Bales Lost
Boll Weevil	0	0	0.0	0.00	\$0.00	0.000	0
Bollworm/Budworm	8,386	3,594	1.0	0.06	\$0.63	0.196	272
Pink Bollworm	0	0	0.0	0.00	\$0.00	0.000	0
Cotton Fleahopper	0	0	0.0	0.00	\$0.00	0.000	0
Lygus	16,172	1,258	1.0	0.02	\$0.17	0.297	412
Cotton Leaf Perforator	0	0	0.0	0.00	\$0.00	0.000	0
Spider Mites	0	0	0.0	0.00	\$0.00	0.000	0
Thrips	25,756	1,198	1.0	0.02	\$0.12	0.043	60
Beet Armyworm	3,953	839	1.0	0.01	\$0.21	0.020	27
Fall Armyworm	659	0	0.0	0.00	\$0.00	0.000	0
European Cornborer	0	0	0.0	0.00	\$0.00	0.000	0
Stink Bugs	21,563	2,396	1.0	0.04	\$0.42	0.648	899
Grasshoppers	9,584	1,977	1.0	0.03	\$0.35	0.128	178
Saltmarsh Caterpillars	0	0	0.0	0.00	\$0.00	0.000	0
Aphids	1,557	479	0.0	0.00	\$0.00	0.000	0
Banded Winged Whitefly	0	0	0.0	0.00	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	719	0	0.0	0.00	\$0.00	0.000	0
Loopers	0	0	0.0	0.00	\$0.00	0.000	0
Southern Armyworms	0	0	0.0	0.00	\$0.00	0.000	0
Cutworms	0	0	0.0	0.00	\$0.00	0.000	0
Clouded Plant bugs	0	0	0.0	0.00	\$0.00	0.000	0
Leaftooted Bug	958	240	1.0	0.00	\$0.04	0.050	69
Cotton Square Borer	1,378	719	1.0	0.01	\$0.12	0.014	19
Other 3	0	0	0.0	0.00	\$0.00	0.000	0
Other 4	0	0	0.0	0.00	\$0.00	0.000	0
				0.20	\$2.06	1.395	1935

Yield & Management Results

Total Acres	59,898
Total bales Harvested	125,786
yield (lbs/acre)	1,008
Total bales Lost to Insects	1,935
Percent Yield Loss	1.40%
Yield w/o Insects (lbs/ac)	1111
Ave. # Spray Applications	0.188
Bales lost all factors	12,890
% yield loss all factors	9.30%

Economic Results

	Total	Per Acre
Foliar Insecticides Costs	\$123,300	\$2.06
At Planting Costs	\$143,755	\$2.40
In-furrow costs	\$123,270	\$2.06
Scouting costs	\$238,993	\$3.99
Eradication costs	\$448,372	\$7.49
Transgenic cotton	\$284,962	\$4.76
Total Costs	\$1,362,653	\$22.75
Yield Lost to insects	\$742,965	\$12.40
Total Losses + Costs	\$2,105,617	\$35.15