

Table 19

New Mexico

Cotton Insect Losses - 2013

Pest	acres infested	acres treated	#apps/ acre trtd	#apps/ tot acres	cost/ acre	% Reduction	Bales Lost
Boll Weevil	0	0	0	0.000	\$0.00	0.000%	0
Bollworm/Budworm	42,258	3,381	2	0.144	\$1.55	4.000%	5,148
Pink Bollworm	0	0	0	0.000	\$0.00	0.000%	0
Cotton Fleahopper	14,368	423	1	0.010	\$0.11	0.374%	481
<i>Lygus</i>	38,455	1,268	1	0.030	\$0.37	1.365%	1,757
Cotton Leaf Perforator	0	0	0	0.000	\$0.00	0.000%	0
Spider Mites	1,268	0	0	0.000	\$0.00	0.000%	0
Thrips	27,890	1,690	1	0.040	\$0.28	0.858%	1,104
Beet Armyworm	13,523	0	0	0.000	\$0.00	0.000%	0
Fall Armyworm	4,648	1,690	1	0.040	\$0.35	0.000%	0
European Cornborer	0	0	0	0.000	\$0.00	0.000%	0
Stink Bugs	4,648	296	1	0.007	\$0.07	0.165%	212
Grasshoppers	1,268	0	0	0.000	\$0.00	0.009%	12
Saltmarsh Caterpillars	845	0	0	0.000	\$0.00	0.004%	5
Aphids	6,761	718	1	0.017	\$0.18	0.000%	0
Banded Winged Whitefly	0	0	0	0.000	\$0.00	0.000%	0
Silverleaf Whitefly (<i>Bemisia</i>)	0	0	0	0.000	\$0.00	0.000%	0
Loopers	0	0	0	0.000	\$0.00	0.000%	0
Southern Armyworms	0	0	0	0.000	\$0.00	0.000%	0
Cutworms	0	0	0	0.000	\$0.00	0.000%	0
Clouded Plant bugs	0	0	0	0.000	\$0.00	0.000%	0
Cotton Square Borer	0	0	0	0.000	\$0.00	0.000%	0
Leaf footed Bug	3,803	254	1	0.006	\$0.06	0.144%	185
Other Insects	0	0	0	0.000	\$0.00	0.000%	0
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				0.294	\$2.96	6.92%	8,906

Yield & Management Results

Total Acres	42,258
Total bales Harvested	110,047
yield (lbs/acre)	1,250
Total bales Lost to Insects	8,906
Percent Yield Loss	6.92%
Yield w/o Insects (lbs/ac)	1,343
Ave. # Spray Applications	0.294
Bales lost all factors	18,663
% yield loss all factors	18.92%

Economic Results

	Total	Per Acre	
Foliar Insecticides Costs	\$125,139	\$2.96	
At Planting Costs	\$258,695	\$6.12	
In-furrow costs	\$4,057	\$0.10	
Scouting costs	\$290,283	\$6.87	
Eradication costs	\$298,629	\$7.07	
Transgenic cotton	\$461,183	\$10.91	
Total Costs	\$1,437,985	\$34.03	
Yield Lost to insects	\$3,334,347	\$78.90	
Total Losses + Costs	\$4,772,332	\$112.93	
BW erad	\$5.95	PBW erad	\$6.98