

COTTON INSECT LOSSES - 2007
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Abstract

Cotton losses to arthropod pests reduced yields by 3.62% in 2007. Pest losses were higher in the southeast states where drought also caused heavy losses. The bollworm/budworm complex remained the top ranked pest, reducing yields by 0.913%, a slight increase over 2006. *Lygus* were number two at 0.683%, Thrips were third at 0.578%, cotton fleahoppers were fourth at 0.477% and Aphids were fifth at 0.320%. Total cost and loss for arthropods in 2007 was \$877 million. Direct management costs for arthropods were \$57.23 per acre.

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This information was provided by state coordinators and was collected from surveys of county agents, extension specialists, private consultants and research entomologists. **All data are averaged over a total reporting unit.** For example, if a unit report represents 100 acres had an 8% loss on 25 of those acres, then in the table summary this shows up as a 2% loss $((.08 \times 25)/100)$. This type of averaging is used for all data reported, including yields and costs of control. Because of averaging and rounding some individual state summary numbers listed as '0' are slightly larger. Costs are averaged to the nearest cent, bales and acres to the nearest whole number, other numbers are rounded to the nearest .001

The Cotton Insect Losses Estimates are a simple attempt to arrive at the average cost of control of cotton arthropod pests. We attempt to arrive at the most accurate estimate possible for arthropod management activities, but have also added other costs which are incurred in cotton insect pest management. These 'additional' costs increase the bottom line of expenditures for arthropod pest management - but also more accurately reflect true expenditures. We include 'at planting insecticide costs,' (an estimate of the cost of systemic insecticides applied at planting for control of Thrips and other pests of seedling cotton); 'Bt cotton costs,' (an estimate of the technology fee); 'eradication costs' (which include the maintenance fee in those states which have eradicated the weevil and other eradication projects); and 'scouting costs,' in addition to the traditional 'foliar insecticide costs.' **Bales lost are also given a dollar value using 480 pound bales at \$0.65 per pound.** Remember, these are estimates and may not totally reflect an individual farm or area, but they do reflect trends and serve as a general comparison.

Table 1 Table 1.

State	USDA Cotton Production		Cotton Insect Losses 2007			
	Upland Cotton		Cotton yields in pounds lint per acre			
	Acres planted	Acres harvested	Est. Yield*	December	January	2006
Alabama	400,000	385,000	461	492	499	583
Arizona	170,000	168,000	1,430	1,420	1,429	1,455
Arkansas	860,000	850,000	1,047	1,062	1,062	1,059
California	195,000	194,000	1,371	1,479	1,559	1,306
Florida	85,000	81,000	682	644	652	713
Georgia	1,030,000	995,000	800	784	796	781
Kansas	47,000	43,000	600	533	558	611
Louisiana	335,000	330,000	1,021	1,034	1,004	952
Mississippi	660,000	655,000	971	975	975	826
Missouri	380,000	379,000	705	950	975	953
New Mexico	46,000	42,000	1,118	1,117	1,234	900
North Carolina	500,000	490,000	579	718	769	721
Oklahoma	175,000	165,000	780	873	945	507
South Carolina	180,000	158,000	400	418	486	725
Tennessee	515,000	510,000	580	596	579	932
Texas	4,900,000	4,700,000	721	828	827	702
Virginia	60,000	59,000	760	830	854	729
Total US	10,538,000	10,204,000	789	864	857	811
<u>Pima</u>						
Arizona	2,500	2,500		891	960	891
California	260,000	257,000		1,156	1,419	1,191
New Mexico	4,800	4,700		775	1,123	806
Texas	25,000	24,000		560	980	672
Total US	292,300	288,200		1,080	1,374	1,122
TOTAL US	10,830,300	10,492,200		839	871	819

From USDA/NASS January 2008

Agricultural Statistical Service

*estimates from Losses Coordinators

Table 1a

USDA Cotton Production

Cotton Insect Losses 2007

State	Area Planted			Area Harvested		
	2005	2006	2007	2005	2006	2007
<u>Upland</u>						
Alabama	550,000	575,000	400000	545,000	560,000	385,000
Arizona	230,000	190,000	170000	229,000	188,000	168,000
Arkansas	1,050,000	1,170,000	860000	1,040,000	1,160,000	850,000
California	430,000	285,000	195000	428,000	283,000	194,000
Florida	86,000	103,000	85000	85,000	101,000	81,000
Georgia	1,220,000	1,400,000	1,030,000	1,210,000	1,370,000	995,000
Kansas	74,000	115,000	47000	66,000	110,000	43,000
Louisiana	610,000	635,000	335000	600,000	630,000	330,000
Mississippi	1,210,000	1,230,000	660000	1,200,000	1,220,000	655,000
Missouri	440,000	500,000	380000	438,000	496,000	379,000
New Mexico	56,000	50,000	46000	51,000	48,000	42,000
North Carolina	815,000	870,000	500000	810,000	865,000	490,000
Oklahoma	255,000	320,000	175000	240,000	180,000	165,000
South Carolina	266,000	300,000	180000	265,000	298,000	158,000
Tennessee	640,000	700,000	515000	635,000	695,000	510,000
Texas	5,950,000	6,400,000	4900000	5,600,000	4,100,000	4,700,000
Virginia	93,000	105,000	60000	92,000	104,000	59,000
total US	13,975,000	14,948,000	10,538,000	13,534,000	12,408,000	10,204,000
<u>Pima</u>						
Arizona	4,100	7,000	2500	4,100	7,000	2500
California	230,000	275,000	260000	229,000	274,000	257000
New Mexico	11,500	13,000	4800	11,500	12,500	4700
Texas	24,800	31,000	25000	24,000	30,000	24,000
total US	270,400	326,000	292,300	268,000	323,500	288,200

From USDA/NASS January 2008

Agricultural Statistical Service

**Table 2
2007****At Planting Insecticide Applications****Cotton insect Losses -**

States	Acres treated	Weighted Cost/ all acres	Cost/ treated acre	Total Cost
North Alabama	168000	\$12.34	\$12.50	\$2,100,000
Central Alabama	74000	\$10.36	\$10.50	\$777,000
South Alabama	145000	\$9.89	\$10.50	\$1,522,500
Arizona - nonBt Cotton	578.664	\$0.30	\$6.50	\$3,761
Arizona - Bt Cotton	18159.5	\$0.72	\$6.50	\$118,037
Southeast Arkansas	441000	\$11.76	\$12.00	\$5,292,000
Northeast Arkansas	392000	\$11.76	\$12.00	\$4,704,000
California	200000	\$2.80	\$6.00	\$1,200,000
Florida	45544	\$7.33	\$9.35	\$425,692
Georgia	850000	\$8.42	\$10.00	\$8,500,000
Kansas	45	\$0.01	\$6.50	\$293
Louisiana -Bt cotton	293313	\$9.19	\$9.67	\$2,836,337
Louisiana -nonBt cotton	15439	\$9.19	\$9.67	\$149,295
Mississippi - Delta nonBt cotton	45000	\$8.90	\$9.00	\$405,000
Mississippi - Hills nonBt	41000	\$7.20	\$7.41	\$303,857
Mississippi - Delta Bt cotton	405405	\$8.91	\$9.00	\$3,648,645
Mississippi - Hills Bt	165000	\$8.80	\$9.00	\$1,485,000
Missouri	373000	\$8.90	\$9.00	\$3,357,000
New Mexico	34000	\$2.13	\$3.00	\$102,000
North Carolina- nonBt cotton	20000	\$12.50	\$12.50	\$250,000
North Carolina - Bt Cotton	475000	\$10.50	\$10.50	\$4,987,500
Oklahoma	125000	\$8.45	\$12.50	\$1,562,500
South Carolina	180000	\$13.50	\$13.50	\$2,430,000
Tennessee	475000	\$8.55	\$9.00	\$4,275,000
Texas Lower Rio Grande Valley	14000	\$0.74	\$5.25	\$73,500
Texas Northern Blacklands	40000	\$5.79	\$7.00	\$280,000
Texas High Plains	1923887	\$10.11	\$12.50	\$24,048,588
Texas Southern Blacklands	75518	\$1.04	\$6.00	\$453,108
Texas Far West	0	\$0.00	\$0.00	\$0
Texas Northern Rolling Planins	25000	\$0.20	\$6.00	\$150,000
Texas Southern Rolling Plains	151143	\$15.74	\$11.00	\$1,662,573
Texas, Gulf Coast and Winter Garden	210481	\$3.92	\$9.55	\$2,010,094
Texas, Panhandle	100000	\$6.87	\$11.10	\$1,110,000
Virginia	59000	\$15.00	\$15.00	\$885,000
Allstates	7,580,513	\$7.54	\$10.70	\$81,108,278

Table 3

Cotton Insect Eradication

Cotton Insect Losses-2007

State	Number Acres	Cost/ treated Acre	Wt cost/all acres	Total Cost
North Alabama	170,209	\$3.75	\$3.75	\$638,284
Central Alabama	75,000	\$3.75	\$3.75	\$281,250
South Alabama	154,000	\$3.75	\$3.75	\$577,500
Arizona - nonBt Cotton	12,697	\$2.10	\$2.10	\$26,664
Arizona - Bt Cotton	163,992	\$2.24	\$2.24	\$367,342
Southeast Arkansas	450,000	\$12.00	\$12.00	\$5,400,000
Northeast Arkansas	400,000	\$12.00	\$12.00	\$4,800,000
California	0	\$0.00	\$0.00	\$0
Florida	23,044	\$1.19	\$0.47	\$27,446
Georgia	1,010,000	\$2.75	\$2.75	\$2,777,500
Kansas	0	\$0.00	\$0.00	\$0
Louisiana -Bt cotton	308,750	\$6.00	\$6.00	\$1,852,500
Louisiana -nonBt cotton	16,250	\$6.00	\$6.00	\$97,500
Mississippi - Delta nonBt cotton	45,500	\$12.00	\$3.23	\$546,000
Mississippi - Hills nonBt	42,200	\$12.00	\$12.00	\$506,400
Mississippi - Delta Bt cotton	409,500	\$12.00	\$12.00	\$4,914,000
Mississippi - Hills Bt	168,800	\$12.00	\$44.52	\$2,025,600
Missouri	377,000	\$12.50	\$12.50	\$4,712,500
New Mexico	47,784	\$11.63	\$11.63	\$555,728
North Carolina- nonBt cotton	20,000	\$2.50	\$0.11	\$50,000
North Carolina - Bt Cotton	475,000	\$2.50	\$59.38	\$1,187,500
Oklahoma	185,000	\$7.07	\$7.07	\$1,307,950
South Carolina	180,000	\$3.00	\$3.00	\$540,000
Tennessee	500,000	\$9.50	\$9.50	\$4,750,000
Texas Lower Rio Grande Valley	100,000	\$18.70	\$18.70	\$1,870,000
Texas Northern Blacklands	48,400	\$13.25	\$13.25	\$641,300
Texas High Plains	2,379,450	\$6.50	\$6.50	\$15,466,425
Texas Southern Blacklands	437,000	\$4.00	\$4.00	\$1,748,000
Texas Far West	445,850	\$8.25	\$8.25	\$3,678,263
Texas Northern Rolling Planins	747,200	\$9.28	\$9.28	\$6,934,016
Texas Southern Rolling Plains	161,656	\$3.25	\$4.98	\$525,382
Texas, Gulf Coast and Winter Garden	513,368	\$22.41	\$22.41	\$11,504,577
Texas, Panhandle	105,600	\$18.00	\$11.76	\$1,900,800
Virginia	59,000	\$3.25	\$3.25	\$191,750
Allstates - Boll Weevil	10,232,250	\$8.05	\$7.66	\$82,402,176
Arizona nonBt Pink Bollworm	4,688	\$17.02	\$6.28	\$79,790
Arizona Bt Pink Bollworm	155,595	\$5.34	\$5.07	\$830,877
California Pink Bollworm	428,725	\$5.71	\$5.71	\$2,448,020
New Mexico Pink Bollworm	17,524	6.98	\$2.56	\$122,318
West Texas Pink Bollworm	36,170	8.25	\$0.67	\$298,403
Total US - Pink Bollworm	642,702	\$5.88	\$0.35	\$3,779,407
Total US - Insect Eradication	10,874,952	\$7.92	\$8.02	\$86,181,583

State	Bt Cotton Acres and Costs				Cotton Insec Losses-2007		
	Number acres	Bt cost/Acre	Average/ all Acres	Total Cost	% population Bollworm	Acres Bt cotton sprayed	# bollworm appli to Bt
Alabama, North	147000	\$18.00	\$15.55	\$2,646,000	70.0%	45,000	1.00
Alabama, Central	63750	\$26.50	\$22.53	\$1,689,375	70.0%	3,000	1.00
Alabama, South	131000	\$25.00	\$21.27	\$3,275,000	65.0%	40,000	1.00
Arizona, BT	0	\$0.00	\$0.00	\$0	90.0%	0	0.00
Arizona, nonBt	161500	\$32.53	\$29.73	\$5,253,595	90.0%	0	0.00
Arkansas, Southeast	382500	\$21.75	\$18.49	\$8,319,375	90.0%	270,000	1.00
Arkansas, Northeast	340000	\$21.00	\$17.85	\$7,140,000	90.0%	320,000	2.00
California	60000	\$9.00	\$1.26	\$540,000	100.0%	0	3.00
Florida	20600	\$17.71	\$6.29	\$364,816	75.0%	2,450	0.35
Georgia	950000	\$19.00	\$17.87	\$18,050,000	80.0%	240,000	1.10
Kansas	0	\$0.00	\$0.00	\$0	100.0%	0	0.00
Louisiana, Bt	308750	\$12.50	\$11.88	\$3,859,375	100.0%	308,750	1.00
Louisiana - nonBt	0	\$0.00	\$0.00	\$0	100.0%	0	0.00
Mississippi, Delta nonBt	0	\$0.00	\$0.00	\$0	90.0%	0	0.00
Mississippi, Hills nonBt	0	\$0.00	\$0.00	\$0	100.0%	0	0.00
Mississippi, Delta Bt	409500	\$20.00	\$18.00	\$8,190,000	100.0%	250,000	1.00
Mississippi, Hills Bt	168800	\$20.00	\$16.00	\$3,376,000	90.0%	168,800	0.20
Missouri	339000	\$21.00	\$18.88	\$7,119,000	81.5%	68,500	0.81
New Mexico	22936	\$22.00	\$10.56	\$504,592	100.0%	0	0.00
North Carolina, nonBt	0	\$0.00	\$0.00	\$0	90.0%	0	0.00
North Carolina, Bt	475000	\$13.50	\$12.95	\$6,412,500	90.0%	165,000	0.60
Oklahoma	131350	\$9.00	\$6.39	\$1,182,150	90.1%	1,900	1.00
South Carolina	170442	\$15.00	\$14.20	\$2,556,630	99.0%	150,000	1.50
Tennessee	475000	\$15.00	\$14.25	\$7,125,000	75.0%	90,000	1.20
Texas Lower Rio Grande Valley	37000	\$10.00	\$0.62	\$370,000	25.0%	0	0.00
Texas Northern Blacklands	46000	\$10.00	\$9.50	\$460,000	87.0%	5,000	1.00
Texas High Plains	553117	\$10.00	\$2.32	\$5,531,170	100.0%	0	0.00
Texas Southern Rolling Plains	349600	\$10.00	\$8.00	\$3,496,000	98.0%	0	0.00
Texas Far West	356924	\$10.00	\$8.01	\$3,569,240	100.0%	0	0.00
Texas Northern Rolling Planins	523040	\$10.00	\$7.00	\$5,230,400	99.0%	0	0.00
Texas Southern Blacklands	31637	\$10.00	\$1.96	\$316,370	100.0%	0	0.00
Texas, Gulf Cosat and Winter Garden	302887	\$10.86	\$6.41	\$3,289,353	98.0%	48,462	1.00
Texas Panhandle	96040	\$10.00	\$9.09	\$960,400	88.0%	2,500	1.00
Virginia	53100	\$20.00	\$18.00	\$1,062,000	100.0%	31,860	1.00
Total US	7,106,473	\$15.75	\$10.41	\$111,888,340	92.1%	2,211,222	0.50

Insecticide Applications: Type and Cost					Cotton Insect Losses – 2007			
State	% Acres treated air	Acres treated air	Cost/ Acre air	Total cost applic air	% Acres treated ground	Acres treated ground	Cost/ Acre ground	Total cost Applic ground
Alabama, North	25%	42,552	\$3.90	\$165,954	95%	161,699	\$3.55	\$574,030
Alabama, Central	10%	7,500	\$4.50	\$30,000	80%	60,000	\$3.00	\$180,000
Alabama, South	15%	23,100	\$4.50	\$103,950	80%	123,200	\$3.00	\$369,600
Arizona, BT	50%	6,349	\$8.00	\$50,788	20%	2,539	\$6.00	\$15,236
Arizona, nonBt	75%	122,994	\$8.00	\$983,953	20%	32,798	\$6.00	\$196,791
Arkansas, Southeast	90%	405,000	\$6.00	\$2,430,000	90%	405,000	\$5.00	\$2,025,000
Arkansas, Northeast	90%	360,000	\$6.00	\$2,160,000	90%	360,000	\$5.00	\$1,800,000
California	75%	321,544	\$6.00	\$1,929,263	90%	385,853	\$7.50	\$2,893,894
Florida	20%	11,609	\$1.04	\$12,078	94%	54,587	\$4.70	\$256,683
Georgia	35%	353,500	\$5.00	\$1,767,500	80%	808,000	\$3.50	\$2,828,000
Kansas	5%	2,750	\$4.50	\$12,375	5%	2,750	\$4.00	\$11,000
Louisiana, Bt	90%	277,875	\$3.65	\$1,014,244	62%	191,425	\$3.25	\$622,131
Louisiana - nonBt	90%	14,625	\$3.65	\$53,381	62%	10,075	\$3.25	\$32,744
Mississippi, Delta nonBt	60%	27,300	\$3.50	\$95,550	60%	27,300	\$3.00	\$81,900
Mississippi, Hills nonBt	5%	2,110	\$0.27	\$577	95%	40,090	\$4.78	\$191,438
Mississippi, Delta Bt	60%	245,700	\$3.50	\$859,950	60%	245,700	\$3.00	\$737,100
Mississippi, Hills Bt	10%	16,880	\$3.50	\$59,080	90%	151,920	\$3.00	\$455,760
Missouri	10%	37,700	\$3.50	\$131,950	90%	339,300	\$3.00	\$1,017,900
New Mexico	44%	21,025	\$15.30	\$321,682	38%	18,158	\$7.80	\$141,632
North Carolina, Bt	10%	2,000	\$4.50	\$9,000	100%	20,000	\$3.50	\$70,000
North Carolina, nonBt	40%	190,000	\$4.50	\$855,000	60%	285,000	\$5.50	\$1,567,500
Oklahoma	10%	18,500	\$4.50	\$83,250	100%	185,000	\$3.50	\$647,500
South Carolina	10%	18,000	\$5.50	\$99,000	85%	153,000	\$4.50	\$688,500
Tennessee	20%	100,000	\$4.75	\$475,000	90%	450,000	\$4.25	\$1,912,500
Texas Lower Rio Grande Valley	100%	100,000	\$3.50	\$350,000	100%	100,000	\$3.50	\$350,000
Texas Northern Blacklands	75%	36,300	\$4.00	\$145,200	80%	38,720	\$3.75	\$145,200
Texas High Plains	25%	594,863	\$4.50	\$2,676,881	69%	1,641,821	\$4.25	\$6,977,737
Texas Southern Rolling Plains	10%	43,700	\$4.75	\$207,575	90%	393,300	\$4.50	\$1,769,850
Texas Far West	59%	263,052	\$5.00	\$1,315,258	41%	182,799	\$4.50	\$822,593
Texas Northern Rolling Planins	10%	74,720	\$4.50	\$336,240	70%	523,040	\$4.50	\$2,353,680
Texas Southern Blacklands	35%	56,580	\$5.00	\$282,898	70%	113,159	\$3.50	\$396,057
Texas Gulf Coast & Winter Garden	86%	441,496	\$5.00	\$2,207,482	14%	71,872	\$2.90	\$208,427
Texas Panhandle	36%	38,016	\$4.50	\$171,072	91%	96,096	\$3.00	\$288,288
Virginia	0%	0	\$0.00	\$0	100%	59,000	\$5.00	\$295,000
Total US	39%	4,277,338	\$1.93	\$21,396,130	73%	7,733,200	\$3.17	\$32,923,671

Table 6 Cotton Insect Monitoring Costs Cotton Insect Losses-2007

State	Acres	Times per	wt Avg Cost over all acres	Cost per	Total
	Scouted	Scouted week		scouted acre	Cost
Alabama, North	155,000	1.30	\$5.37	\$5.90	\$914,500
Alabama, Central	20,000	1.10	\$1.87	\$7.00	\$140,000
Alabama, South	92,000	1.20	\$4.48	\$7.50	\$690,000
Arizona, BT	150,000	2.00	\$10.52	\$11.50	\$1,725,000
Arizona, nonBt	17,000	2.00	\$16.07	\$12.00	\$204,000
Arkansas Northeast	427,500	1.20	\$9.03	\$9.50	\$4,061,250
Arkansas, Southeast	380,000	1.50	\$9.50	\$10.00	\$3,800,000
California	442,965	1.00	\$8.27	\$8.00	\$3,543,720
Florida	27,400	1.46	\$4.24	\$8.99	\$246,200
Georgia	750,000	1.10	\$5.94	\$8.00	\$6,000,000
Kansas	20,000	1.00	\$2.91	\$8.00	\$160,000
Louisiana, Bt	287,138	1.70	\$8.84	\$9.50	\$2,727,811
Louisiana - nonBt	15,114	1.70	\$8.84	\$9.50	\$143,583
Mississippi, Delta nonBt	45,000	2.00	\$7.42	\$7.50	\$337,500
Mississippi, Hills nonBt	35,000	1.00	\$5.39	\$6.50	\$227,599
Mississippi, Delta Bt	425,000	2.00	\$7.78	\$7.50	\$3,187,500
Mississippi, Hills Bt	125,000	1.50	\$5.55	\$7.50	\$937,500
Missouri	352,000	1.50	\$7.00	\$7.50	\$2,640,000
New Mexico	29,148	1.00	\$5.64	\$9.25	\$269,619
North Carolina, nonBt	16,000	1.00	\$6.40	\$8.00	\$128,000
North Carolina, Bt	380,000	1.00	\$4.00	\$5.00	\$1,900,000
Oklahoma	130,000	1.00	\$5.62	\$8.00	\$1,040,000
South Carolina	170,000	1.00	\$7.56	\$8.00	\$1,360,000
Tennessee	375,000	1.30	\$6.00	\$8.00	\$3,000,000
Texas Lower Rio Grande Valley	100,000	1.00	\$6.50	\$6.50	\$650,000
Texas Northern Blacklands	37,000	1.00	\$3.82	\$5.00	\$185,000
Texas High Plains	400,000	1.20	\$1.01	\$6.00	\$2,400,000
Texas Southern Rolling Plains	35,000	1.00	\$0.44	\$5.50	\$192,500
Texas Far West	22,000	1.00	\$0.30	\$6.00	\$132,000
Texas Northern Rolling Planins	20,000	1.00	\$0.16	\$6.00	\$120,000
Texas Southern Blacklands	32,000	1.20	\$1.19	\$6.00	\$192,000
Texas Gulf Coast and Winter	395,293	1.20	\$4.86	\$6.31	\$2,494,299
Texas Panhandle	72,900	1.00	\$4.14	\$6.00	\$437,400
Virginia	5,000	1.50	\$0.72	\$8.50	\$42,500
Total US	5,985,458	1.27	\$4.30	\$7.78	\$46,229,481

Table 7

Summary of all States

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	612393	70193	0.007	\$8.75	\$0.06	0.01	3,190
Bollworm/Budworm	6,704,830	2,586,890	0.301	\$9.09	\$2.73	0.91	229,186
Pink Bollworm	94,369	4,830	0.004	\$2.79	\$0.01	0.00	169
Cotton Fleahopper	5,258,805	2,278,687	0.296	\$7.66	2.27	0.48	119,745
Lygus	5,429,167	3,146,726	0.900	\$9.79	\$8.81	0.68	171,478
Cotton Leaf Perforator	54,852	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	3,293,087	1,351,688	0.162	\$18.27	\$2.96	0.24	60,720
Thrips	9,595,718	4,624,579	0.485	\$7.65	\$3.71	0.58	145,040
Beet Armyworm	731,852	10,222	0.001	\$16.89	\$0.01	0.00	1,104
Fall Armyworm	1,764,045	309,660	0.031	\$10.40	\$0.33	0.05	12,071
European Cornborer	10,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	4,833,869	2,049,652	0.293	\$8.27	\$2.42	0.27	68,823
Grasshoppers	850,452	25,628	0.002	\$12.33	\$0.03	0.00	127
Saltmarsh Caterpillars	706,734	48,583	0.005	\$11.71	\$0.05	0.00	237
Aphids	6,806,780	2,027,696	0.203	\$12.30	\$2.49	0.32	80,418
Banded Winged Whitefly	370,537	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	691,388	293,176	0.025	\$26.66	\$0.67	0.06	14,817
Loopers	804,017	25,833	0.001	\$9.41	\$0.01	0.00	131
Southern Armyworms	3,150	750	0.000	\$0.02	\$0.00	0.00	17
Other Insects	46,138	7,580	0.001	\$9.40	\$0.01	0.00	694
Cutworms	662,695	871,956	0.074	\$4.31	\$0.32	0.00	468

Percent Lost	3.62
Total Acres	10,750,975
Total Bales lost	908,436
Bales lost in dollars	\$261,629,478

Est. yield/acre	789
Spray applications	2.790
Cost + loss	\$876,883,304
Cost + loss/acre	\$81.56

	Cost/ Acre
Foliar insecticide	\$26.90
At planting	\$7.57
Bt use fees	\$10.41
Eradication*	\$8.02
Scouting	\$4.34
Total	\$57.23

*Eradication - PBW (\$0.35) + Boll Weevil (\$7.66) = \$8.02

Table 8

Summary Alabama

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	399,209	166,400	0.417	\$7.23	\$3.01	2.883	27,282
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	12,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	380,209	100,000	0.301	\$7.10	\$2.13	0.731	6,915
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	105,000	7,000	0.018	\$11.00	\$0.19	0.073	691
Thrips	399,209	186,000	0.547	\$5.80	\$3.17	2.466	23,336
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	50,000	2,000	0.005	\$14.00	\$0.07	0.000	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	334,000	95,000	0.283	\$7.48	\$2.12	0.995	9,413
Grasshoppers	22,000	3,000	0.008	\$6.93	\$0.05	0.000	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	374,209	65,000	0.163	\$10.38	\$1.69	0.051	485
Banded Winged Whitefly	10,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.000	0
Loopers	2,000	0	0.000	N/A	\$0.00	0.000	0
Southern Armyworms	1,000	0	0.000	N/A	\$0.00	0.000	0
Leaf Footed Bug	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	63,000	39,000	0.098	\$2.74	\$0.27	0.000	0

Percent Lost	7.20
Total Acres	399,209
Total Bales lost	68,121
Bales lost in dollars	\$19,618,755

Est. yield/acre	461
Spray applications	1.838
Cost + loss	\$39,945,539
Cost + loss/acre	\$100.06

	Cost/ Acre
Foliar insecticide	\$12.71
At planting	\$11.02
Bt use fees	\$19.06
Eradication	\$3.75
Scouting	\$4.37
Total	\$50.92

Table 8a

Alabama North

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	170,209	64,000	0.376	\$6.00	\$2.26	4.500	20,744
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	0	0	0.000	N/A	\$0.00	0.000	0
Lygus	170,209	100,000	0.705	\$7.10	\$5.01	1.500	6,915
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	85,000	7,000	0.041	\$11.00	\$0.45	0.150	691
Thrips	170,209	130,000	0.955	\$5.75	\$5.49	3.000	13,829
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	15,000	0	0.000	N/A	\$0.00	0.000	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	110,000	0	0.000	N/A	\$0.00	0.065	298
Grasshoppers	4,000	1,000	0.006	\$6.80	\$0.04	0.000	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	179,209	60,000	0.353	\$10.50	\$3.70	0.105	485
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.000	0
Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.000	0
Other Insects	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	60,000	24,000	0.141	\$3.00	\$0.42	0.000	0

Percent Lost	9.32
Total Acres	170,209
Total Bales lost	42,962
Bales lost in dollars	\$12,373,155

Est. yield/acre	420
Spray applications	2.576
Cost + loss	\$21,628,114
Cost + loss/acre	\$127.07

	Cost/ Acre
Foliar	\$17.37
At planting	\$12.34
Bt use fees	\$15.55
Eradication	\$3.75
Scouting	\$5.37
Total	\$54.37

Table 8b

		Alabama Central		Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	75,000	10,000	0.133	\$8.00	\$1.07	1.000	1,484
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	2,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	70,000	0	0.000	N/A	\$0.00	0.000	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	10,000	0	0.000	N/A	\$0.00	0.000	0
Thrips	75,000	25,000	0.333	\$6.50	\$2.17	3.000	4,453
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	10,000	0	0.000	N/A	\$0.00	0.000	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	70,000	5,000	0.067	\$7.00	\$0.47	0.467	693
Grasshoppers	15,000	2,000	0.027	\$7.00	\$0.19	0.000	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	70,000	2,000	0.027	\$9.00	\$0.24	0.000	0
Banded Winged Whitefly	5,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.000	0
Loopers	0	0	0.000	N/A	\$0.00	0.000	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.000	0
Other Insects	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	1,000	10,000	0.133	\$2.00	\$0.27	0.000	0

Percent Lost	4.47
Total Acres	75,000
Harvested acres	
Total Bales lost	6,630
Bales lost in dollars	\$1,909,500

Est. yield/acre	435
Spray applications	0.720
Cost + loss	\$5,126,625
Cost + loss/acre	\$68.36

	Cost/ Acre
Foliar insecticide	\$4.39
At planting	\$10.36
Bt use fees	\$22.53
Eradication	\$3.75
Scouting	\$1.87
Total	\$42.90

Table 8c

		Alabama South		Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	154,000	92,400	0.600	\$8.00	\$4.80	1.500	5,053
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	10,000	0	0.000	N/A	\$0.00	0.000	0
Lygus	140,000	0	0.000	N/A	\$0.00	0.000	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	10,000	0	0.000	N/A	\$0.00	0.000	0
Thrips	154,000	31,000	0.201	\$5.50	\$1.11	1.500	5,053
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	25,000	2,000	0.013	\$14.00	\$0.18	0.000	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	154,000	90,000	0.701	\$7.50	\$5.26	2.500	8,422
Grasshoppers	3,000	0	0.000	N/A	\$0.00	0.000	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.000	0
Aphids	125,000	3,000	0.019	\$9.00	\$0.18	0.000	0
Banded Winged Whitefly	5,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.000	0
Loopers	2,000	0	0.000	N/A	\$0.00	0.000	0
Southern Armyworms	1,000	0	0.000	N/A	\$0.00	0.000	0
Leaf Footed Bug	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	2,000	5,000	0.032	\$3.00	\$0.10	0.000	0

Percent Lost	5.50
Total Acres	154,000
Total Bales lost	18,528
Bales lost in dollars	\$5,336,100

Est. yield/acre	520
Spray applications	1.568
Cost + loss	\$13,190,800
Cost + loss/acre	\$85.65

	Cost/ Acre
Foliar insecticide	\$11.62
At planting	\$9.89
Bt use fees	\$21.27
Eradication	\$3.75
Scouting	\$4.48
Total	\$51.00

Table 9

Arizona Summary

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	36,132	4,444	0.020	\$17.30	\$0.35	0.047	299
Pink Bollworm	32,909	1,680	0.010	\$18.50	\$0.18	0.022	141
Cotton Fleahopper	138,799	8,140	0.023	\$11.00	0.25	0.014	88
Lygus	136,894	105,750	0.680	\$19.00	\$12.92	0.775	4,900
Cotton Leaf Perforator	3,512	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	32,904	9,316	0.053	\$21.50	\$1.13	0.011	70
Thrips	176,689	16,029	0.077	\$10.00	\$0.77	0.050	316
Beet Armyworm	35,967	2,962	0.010	\$18.00	\$0.18	0.007	46
Fall Armyworm	9,124	820	0.002	\$15.00	\$0.03	0.002	11
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	64,871	3,303	0.016	\$13.50	\$0.21	0.035	222
Grasshoppers	25,513	820	0.005	\$13.75	\$0.06	0.000	0
Saltmarsh Caterpillars	78,577	15,484	0.088	\$15.00	\$1.31	0.035	220
Aphids	25,494	4,920	0.028	\$17.67	\$0.49	0.001	8
Banded Winged Whitefly	52,784	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	150,185	85,574	0.363	\$25.00	\$9.08	0.541	3,419
Loopers	25,859	0	0.000	N/A	\$0.00	0.000	0
Yellowstriped Armyworms	0	0	0.000	N/A	\$0.00	0.000	0
Pale-sided Flea Beetles	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	8,565	0	0.000	N/A	\$0.00	0.000	0

Percent Lost	1.54	Est. yield/acre	1,430	Cost/ Acre	
Total Acres	176,689	Spray applications	1.373	Foliar insecticide	\$26.97
Total Bales lost	9,742	Cost + loss	\$16,510,884	At planting	\$1.19
Bales lost in dollars	\$2,805,783	Cost + loss/acre	\$93.45	Bt use fees	\$30.20
				Eradication*	\$8.55
				Scouting	\$10.66
				Total	\$77.57

Official Arizona Cotton Losses may be seen on the Arizona WEB <http://cals.arizona.edu/crops/cotton/insects/cil/cil.html>

Eradication includes PBW(\$6.33) and Boll Weevil (\$2.22) = \$8.55

Table 9a

Arizona nonBt

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	8,253	4,444	0.280	\$17.30	\$4.84	0.663	285
Pink Bollworm	8,310	1,680	0.132	\$18.50	\$2.45	0.327	141
Cotton Fleahopper	10,690	597	0.024	\$11.00	0.26	0.018	8
Lygus	9,296	7,355	0.745	\$19.00	\$14.15	0.732	315
Cotton Leaf Perforator	1,820	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	1,841	187	0.015	\$21.50	\$0.32	0.003	1
Thrips	12,697	1,270	0.100	\$10.00	\$1.00	0.050	21
Beet Armyworm	4,984	1,270	0.070	\$18.00	\$1.26	0.100	43
Fall Armyworm	924	0	0.000	N/A	\$0.00	0.000	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	3,577	23	0.002	\$13.50	\$0.02	0.001	0
Grasshoppers	2,240	0	0.000	N/A	\$0.00	0.000	0
Saltmarsh Caterpillars	5,079	793	0.062	\$15.00	\$0.94	0.013	5
Aphids	1,260	0	0.000	N/A	\$0.00	0.000	0
Banded Winged Whitefly	3,102	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	10,792	6,858	0.405	\$25.00	\$10.13	0.527	227
Loopers	1,260	0	0.000	N/A	\$0.00	0.000	0
Yellowstriped Armyworms	0	0	0.000	N/A	\$0.00	0.000	0
Pale-sided Flea Beetles	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	0	0	0.000	N/A	\$0.00	0.000	0

Percent Lost	2.43
Total Acres	12,697
Total Bales lost	1,046
Bales lost in dollars	\$301,353

Est. yield/acre	1,300
Spray applications	1.835
Cost + loss	\$1,131,769
Cost + loss/acre	\$89.14

	Cost/ Acre
Foliar insecticide	\$35.37
At planting	\$0.68
Bt use fees	\$0.00
Eradication*	\$19.12
Scouting	\$10.23
Total	\$65.40

Official Arizona Cotton Losses may be seen on the Arizona WEB <http://cals.arizona.edu/crops/cotton/insects/cil/cil.html>

*Eradication PBW(\$17.02)+ Boll Weevil (\$2.10)= \$5.44

Table 9b

Arizona Bt

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	27,879	0	0.000	N/A	\$0.00	0.002	14
Pink Bollworm	24,599	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	128,109	7,543	0.023	\$11.00	0.25	0.014	81
Lygus	127,598	98,395	0.675	\$19.00	\$12.82	0.778	4,586
Cotton Leaf Perforator	1,692	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	31,063	9,129	0.056	\$21.50	\$1.20	0.012	69
Thrips	163,992	14,759	0.075	\$10.00	\$0.75	0.050	295
Beet Armyworm	30,983	1,692	0.005	\$18.00	\$0.09	0.001	4
Fall Armyworm	8,200	820	0.003	\$15.00	\$0.04	0.002	11
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	61,294	3,280	0.017	\$13.50	\$0.23	0.038	222
Grasshoppers	23,273	820	0.005	\$13.75	\$0.07	0.000	0
Saltmarsh Caterpillars	73,498	14,691	0.090	\$15.00	\$1.34	0.036	215
Aphids	24,234	4,920	0.030	\$17.67	\$0.53	0.001	8
Banded Winged Whitefly	49,682	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemisia)	139,393	78,716	0.360	\$25.00	\$9.00	0.542	3,193
Loopers	24,599	0	0.000	N/A	\$0.00	0.000	0
Yellowstriped Armyworms	0	0	0.000	N/A	\$0.00	0.000	0
Pale-sided Flea Beetles	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	8,565	0	0.000	N/A	\$0.00	0.000	0
Percent Lost	1.48		Est. yield/acre	1,440			Cost/ Acre
Total Acres	163,992		Spray applications	1.338			Foliar insecticide \$26.32
			Cost + loss	\$15,354,250			At planting \$1.23
Total Bales lost	8,696						Bt use fees \$32.53
Bales lost in dollars	\$2,504,430		Cost + loss/acre	\$93.63			Eradication* \$7.58
							Scouting \$10.69
							Total \$78.36

Official Arizona Cotton Losses may be seen on the Arizona WEB <http://cals.arizona.edu/crops/cotton/insects/cil/cil.html>

*Eradication PBW (\$5.34) + Boll Weevil (\$2.24) = \$7.58

Table 10

Arkansas Summary				Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	175,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	850,000	565,000	1.197	\$9.00	\$10.77	1.00	26,563
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	595,000	0	0.000	N/A	0.00	0.00	0
Lygus	850,000	762,500	3.135	\$8.00	\$25.08	1.69	44,844
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	725,000	257,500	0.547	\$15.00	\$8.21	0.43	11,328
Thrips	850,000	420,000	0.494	\$7.50	\$3.71	0.20	5,313
Beet Armyworm	172,500	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	345,000	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	850,000	42,500	0.050	\$8.00	\$0.40	0.12	3,281
Grasshoppers	195,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	195,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	850,000	17,000	0.020	\$9.00	\$0.18	0.00	0
Banded Winged Whitefly	212,500	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	255,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	255,000	9,000	0.011	\$3.50	\$0.04	0.02	422

Percent Lost	3.45
Total Acres	850,000
Total Bales lost	91,750
Bales lost in dollars	\$26,424,000

Est. yield/acre	1,047
Spray applications	5.454
Cost + loss	\$111,067,625
Cost + loss/acre	\$130.67

	Cost/ Acre
Foliar insecticide	\$48.38
At planting	\$11.76
Bt use fees	\$18.19
Eradication	\$12.00
Scouting	\$9.25
Total	\$99.58

Table 10a		Arkansas Southeast				Cotton Insect Losses 2007	
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	40,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	400,000	340,000	1.700	\$9.00	\$15.30	1.00	12,500
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	280,000	0	0.000	N/A	0.00	0.00	0
Lygus	400,000	380,000	4.750	\$8.00	\$38.00	2.35	29,375
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	320,000	100,000	0.375	\$15.00	\$5.63	0.40	5,000
Thrips	400,000	240,000	0.600	\$7.50	\$4.50	0.20	2,500
Beet Armyworm	60,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	120,000	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	400,000	20,000	0.050	\$8.00	\$0.40	0.15	1,875
Grasshoppers	60,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	60,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	400,000	8,000	0.020	\$9.00	\$0.18	0.00	0
Banded Winged Whitefly	100,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	120,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	120,000	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	4.10
Total Acres	400,000
Total Bales lost	51,250
Bales lost in dollars	\$14,760,000

Est. yield/acre	1,100
Spray applications	7.495
Cost + loss	\$60,806,000
Cost + loss/acre	\$152.02

	Cost/ Acre
Foliar insecticide	\$64.01
At planting	\$11.76
Bt use fees	\$17.85
Eradication	\$12.00
Scouting	\$9.50
Total	\$115.12

Table 10b

Pest	Arkansas Northeast				Cotton Insect Losses 2007		
	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	135,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	450,000	225,000	0.750	\$9.00	\$6.75	1.00	14,063
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	315,000	0	0.000	N/A	0.00	0.00	0
Lygus	450,000	382,500	1.700	\$8.00	\$13.60	1.10	15,469
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	405,000	157,500	0.700	\$15.00	\$10.50	0.45	6,328
Thrips	450,000	180,000	0.400	\$7.50	\$3.00	0.20	2,813
Beet Armyworm	112,500	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	225,000	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	450,000	22,500	0.050	\$8.00	\$0.40	0.10	1,406
Grasshoppers	67,500	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	135,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	450,000	9,000	0.020	\$9.00	\$0.18	0.00	0
Banded Winged Whitefly	112,500	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	135,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	135,000	9,000	0.020	\$3.50	\$0.07	0.03	422

Percent Lost	2.88
Total Acres	450,000
Total Bales lost	40,500
Bales lost in dollars	\$11,664,000

Est. yield/acre	1,000
Spray applications	3.640
Cost + loss	\$50,261,625
Cost + loss/acre	\$111.69

	Cost/ Acre
Foliar insecticide	\$34.50
At planting	\$11.76
Bt use fees	\$18.49
Eradication	\$12.00
Scouting	\$9.03
Total	\$85.77

Table 11

		California		Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	21,436	4,287	0.010	\$20.00	\$0.20	0.00	0
Pink Bollworm	18,840	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	429,405	180,802	0.422	\$27.00	\$11.39	1.00	15,655
Cotton Leaf Perforator	18,840	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	384,204	339,004	0.791	\$30.00	\$23.72	0.90	14,007
Thrips	406,805	90,401	0.211	\$15.00	\$3.16	0.24	3,708
Beet Armyworm	226,003	2,260	0.005	\$23.00	\$0.12	0.05	824
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	361,604	226,003	0.633	\$20.00	\$12.65	0.84	13,183
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	271,203	135,602	0.316	\$33.00	\$10.44	0.16	2,472
Loopers	45,201	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	3.19
Total Acres	428,725
Total Bales lost	49,850
Bales lost in dollars	\$14,356,811

Est. yield/acre	1,371
Spray applications	2.387
Cost + loss	\$48,532,997
Cost + loss/acre	\$113.20

	Cost/ Acre
Foliar insecticide	\$61.68
At planting	\$2.80
Bt use fees	\$1.26
Eradication (Bt use fees)	\$5.71
Scouting	\$8.27
Total	\$79.72

Table 12

Pest	Florida				Cotton Insect Losses 2007		
	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	10,460	7,300	0.134	\$12.00	\$1.60	1.28	1,675
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	1,100	0	0.000	N/A	0.00	0.00	0
Lygus	5,960	2,850	0.049	\$9.31	\$0.46	0.45	586
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	1,650	800	0.028	\$18.00	\$0.50	0.29	375
Thrips	28,300	18,850	0.325	\$8.92	\$2.90	1.68	2,187
Beet Armyworm	300	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	6,700	3,575	0.062	\$11.24	\$0.69	0.81	1,063
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	32,300	17,600	0.476	\$11.66	\$5.54	3.22	4,206
Grasshoppers	200	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	21,500	2,900	0.050	\$8.21	\$0.41	0.22	291
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	20,000	0	0.000	N/A	\$0.00	0.64	833
Loopers	1,250	500	0.009	\$9.00	\$0.08	0.08	104
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Yellowstriped Armyworms	200	100	0.002	\$7.70	\$0.01	0.00	1
Cutworms	500	300	0.005	\$10.00	\$0.05	0.02	21

Percent Lost	8.69
Total Acres	58,044
Total Bales lost	11,342
Bales lost in dollars	\$3,266,412

Est. yield/acre	682
Spray applications	1.138
Cost + loss	\$5,862,764
Cost + loss/acre	\$101.01

	Cost/ Acre
Foliar insecticide	\$12.24
At planting	\$9.35
Bt use fees	\$17.71
Eradication	\$1.19
Scouting	\$4.24
Total	\$44.73

Table 13

Pest	Georgia		Cotton Insect Losses 2007				
	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	800,000	250,000	0.272	\$7.50	\$2.04	1.58	33,333
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	400,000	50,000	0.050	\$6.50	\$0.32	0.40	8,333
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	300,000	10,000	0.010	\$10.00	\$0.10	0.15	3,125
Thrips	850,000	150,000	0.149	\$6.00	\$0.89	0.08	1,771
Beet Armyworm	20,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	120,000	10,000	0.010	\$9.00	\$0.09	0.12	2,500
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	850,000	700,000	1.386	\$7.50	\$10.40	0.84	17,708
Grasshoppers	10,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	625,000	20,000	0.020	\$8.00	\$0.16	0.06	1,302
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	100,000	40,000	0.040	\$15.00	\$0.59	0.20	4,167
Loopers	50,000	5,000	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	3.43
Total Acres	1,010,000
Total Bales lost	72,240
Bales lost in dollars	\$20,805,000

Est. yield/acre	800
Spray applications	1.936
Cost + loss	\$70,870,000
Cost + loss/acre	\$70.17

	Cost/ Acre
Foliar insecticide	\$14.59
At planting	\$8.42
Bt use fees	\$17.87
Eradication	\$2.75
Scouting	\$5.94
Total	\$49.57

Table 14

Kansas

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	800,000	250,000	0.272	\$7.50	\$2.04	1.58	33,333
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	400,000	50,000	0.050	\$6.50	\$0.32	0.40	8,333
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	300,000	10,000	0.010	\$10.00	\$0.10	0.15	3,125
Thrips	850,000	150,000	0.149	\$6.00	\$0.89	0.08	1,771
Beet Armyworm	20,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	120,000	10,000	0.010	\$9.00	\$0.09	0.12	2,500
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	850,000	700,000	1.386	\$7.50	\$10.40	0.84	17,708
Grasshoppers	10,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	625,000	20,000	0.020	\$8.00	\$0.16	0.06	1,302
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	100,000	40,000	0.040	\$15.00	\$0.59	0.20	4,167
Loopers	50,000	5,000	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	3.43
Total Acres	1,010,000
Total Bales lost	72,240
Bales lost in dollars	\$20,805,000

Est. yield/acre	800
Spray applications	1.936
Cost + loss	\$70,870,000
Cost + loss/acre	\$70.17

	Cost/ Acre
Foliar insecticide	\$14.59
At planting	\$8.42
Bt use fees	\$17.87
Eradication	\$2.75
Scouting	\$5.94
Total	\$49.57

Table 15

Louisiana Summary

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	32500	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	286,000	146,259	0.450	\$8.50	\$3.83	0.35	3,179
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	17,908	6,175	0.000	N/A	0.00	0.00	0
Lygus	308,753	286,009	3.784	\$8.17	\$30.92	3.61	32,607
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	113,750	48,758	0.150	\$18.52	\$2.78	0.03	316
Thrips	299,000	162,500	0.500	\$4.06	\$2.03	0.09	831
Beet Armyworm	9,749	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	71,624	19,500	0.042	\$8.63	\$0.36	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	195,000	48,749	0.180	\$8.21	\$1.48	0.12	1,084
Grasshoppers	6,500	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	3,253	0	0.000	N/A	\$0.00	0.00	0
Aphids	130,023	47,356	0.102	\$8.31	\$0.85	0.04	361
Banded Winged Whitefly	48,753	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	81,314	16,333	0.010	\$9.76	\$0.10	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Slugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	39,130	84,656	0.026	\$1.76	\$0.05	0.00	0

Percent Lost	4.25
Total Acres	325,000
Total Bales lost	38,379
Bales lost in dollars	\$11,053,032

Est. yield/acre	1,021
Spray applications	5.244
Cost + loss	\$36,493,490
Cost + loss/acre	\$112.29

	Cost/ Acre
Foliar insecticide	\$42.38
At planting	\$9.19
Bt use fees	\$11.88
Eradication	\$6.00
Scouting	\$8.84
Total	\$78.28

Table 15a

		Louisiana Bt		Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	30875	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	271,700	138,948	0.450	\$8.50	\$3.83	0.35	3,025
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	11,733	6,175	0.000	N/A	0.00	0.00	0
Lygus	293,314	271,700	3.784	\$8.17	\$30.92	3.61	31,023
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	108,061	46,317	0.150	\$18.52	\$2.78	0.03	301
Thrips	284,050	154,375	0.500	\$4.06	\$2.03	0.09	791
Beet Armyworm	9,261	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	67,925	18,525	0.042	\$8.63	\$0.36	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	185,250	46,314	0.180	\$8.21	\$1.48	0.12	1,031
Grasshoppers	6,175	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	3,088	0	0.000	N/A	\$0.00	0.00	0
Aphids	123,500	30,875	0.070	\$8.31	\$0.58	0.04	344
Banded Winged Whitefly	46,314	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	77,188	15,436	0.010	\$9.76	\$0.10	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Slugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	37,168	80,267	0.026	\$1.76	\$0.05	0.00	0

Percent Lost	4.25
Total Acres	308,750
Total Bales lost	36,514
Bales lost in dollars	\$10,516,065

Est. yield/acre	1,022
Spray applications	5.212
Cost + loss	\$34,794,844
Cost + loss/acre	\$112.70

	Cost/ Acre
Foliar insecticide	\$42.11
At planting	\$9.19
Bt use fees	\$12.50
Eradication	\$6.00
Scouting	\$8.84
Total	\$78.64

Table 15b

		Louisiana nonBt			Cotton Insect Losses 2007		
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	1625	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	14,300	7,311	0.450	\$8.50	\$3.82	0.35	154
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	6,175	0	0.000	N/A	0.00	0.00	0
Lygus	15,439	14,309	3.786	\$8.17	\$30.93	3.61	1,584
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	5,689	2,441	0.150	\$18.52	\$2.78	0.04	15
Thrips	14,950	8,125	0.500	\$4.06	\$2.03	0.09	40
Beet Armyworm	488	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	3,699	975	0.042	\$8.63	\$0.36	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	9,750	2,435	0.180	\$8.21	\$1.48	0.12	53
Grasshoppers	325	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	165	0	0.000	N/A	\$0.00	0.00	0
Aphids	6,523	16,481	0.710	\$8.31	\$5.90	0.04	18
Banded Winged Whitefly	2,439	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	4,126	897	0.011	\$9.76	\$0.11	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Slugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	1,962	4,389	0.027	\$1.76	\$0.05	0.00	0

Percent Lost	4.25
Total Acres	16,250
Total Bales lost	1,864
Bales lost in dollars	\$536,967

Est. yield/acre	996
Spray applications	5.856
Cost + loss	\$1,698,646
Cost + loss/acre	\$104.53

	Cost/ Acre
Foliar insecticide	\$47.46
At planting	\$9.19
Bt use fees	\$0.00
Eradication	\$6.00
Scouting	\$8.84
Total	\$71.49

Table 16

Mississippi Summary

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.000	0
Bollworm/Budworm	516,900	341,000	0.595	\$10.07	\$6.00	0.635	13,549
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.000	0
Cotton Fleahopper	26,500	5,000	0.008	\$7.50	0.06	0.004	83
Lygus	614,500	555,000	5.349	\$9.00	\$48.14	1.006	21,458
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.000	0
Spider Mites	388,500	231,000	0.512	\$15.00	\$7.68	0.451	9,608
Thrips	665,500	340,500	0.553	\$7.00	\$3.87	0.100	2,130
Beet Armyworm	12,000	0	0.000	N/A	\$0.00	0.000	0
Fall Armyworm	135,750	19,400	0.029	\$10.00	\$0.29	0.116	2,466
European Cornborer	0	0	0.000	N/A	\$0.00	0.000	0
Stink Bugs	447,500	183,500	0.276	\$7.25	\$2.00	0.212	4,518
Grasshoppers	81,250	1,500	0.002	\$6.50	\$0.01	0.006	125
Saltmarsh Caterpillars	6,750	1,500	0.002	\$8.50	\$0.02	0.000	8
Aphids	335,000	109,500	0.164	\$9.72	\$1.60	0.102	2,183
Banded Winged Whitefly	25,000	0	0.000	N/A	\$0.00	0.000	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.000	0
Loopers	83,100	3,000	0.005	\$9.00	\$0.04	0.001	26
Southern Armyworms	1,400	0	0.000	N/A	\$0.00	0.000	0
Clouded Plant Bugs	0	0	0.000	N/A	\$0.00	0.000	0
Cutworms	52,000	415,000	0.623	\$4.50	\$2.80	0.001	16

Percent Lost	2.63
Total Acres	666,000
Total Bales lost	56,170
Bales lost in dollars	\$16,177,014

Est. yield/acre	971
Spray applications	8.118
Cost + loss	\$94,661,534
Cost + loss/acre	\$142.13

	Cost/ Acre
Foliar insecticide	\$72.51
At planting	\$8.87
Bt use fees	\$17.37
Eradication	\$12.00
Scouting	\$7.09
Total	\$117.84

Table 16a

Mississippi Delta *Bt*

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	350,000	250,000	0.611	\$10.50	\$6.41	0.43	5,833
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	25,000	5,000	0.012	\$7.50	0.09	0.01	83
Lygus	409,500	409,500	7.500	\$9.00	\$67.50	1.25	17,063
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	325,000	210,000	0.769	\$15.00	\$11.54	0.60	8,125
Thrips	409,500	250,000	0.672	\$7.00	\$4.70	0.10	1,365
Beet Armyworm	10,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	125,000	15,000	0.037	\$10.00	\$0.37	0.17	2,292
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	340,000	140,000	0.342	\$7.25	\$2.48	0.26	3,513
Grasshoppers	75,000	1,500	0.004	\$6.50	\$0.02	0.01	125
Saltmarsh Caterpillars	5,000	1,500	0.004	\$8.50	\$0.03	0.00	8
Aphids	250,000	85,000	0.208	\$9.75	\$2.02	0.12	1,667
Banded Winged Whitefly	25,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	75,000	2,500	0.006	\$9.00	\$0.05	0.00	25
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	25,000	275,000	0.672	\$4.50	\$3.02	0.00	8

Percent Lost	2.94
Total Acres	409,500
Total Bales lost	40,108
Bales lost in dollars	\$11,550,960

Est. yield/acre	1,050
Spray applications	10.835
Cost + loss	\$71,721,105
Cost + loss/acre	\$175.14

	Cost/ Acre
Foliar insecticide	\$98.24
At planting	\$8.91
Bt use fees	\$20.00
Eradication	\$12.00
Scouting	\$7.78
Total	\$146.94

Table 16b

		Mississippi Delta nonBt				Cotton Insect Losses 2007	
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	45,000	45,000	1.978	\$10.50	\$20.77	2.47	3,750
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	1,500	0	0.000	N/A	0.00	0.00	0
Lygus	45,000	45,500	7.500	\$9.00	\$67.50	1.24	1,875
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	30,000	10,000	0.330	\$15.00	\$4.95	0.49	750
Thrips	45,000	30,000	0.725	\$7.00	\$5.08	0.10	150
Beet Armyworm	500	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	750	150	0.003	\$10.00	\$0.03	0.01	14
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	25,000	7,500	0.165	\$7.25	\$1.20	0.17	258
Grasshoppers	2,500	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	500	0	0.000	N/A	\$0.00	0.00	0
Aphids	25,000	5,000	0.110	\$9.75	\$1.07	0.11	167
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	3,500	500	0.011	\$9.00	\$0.10	0.00	1
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	2,500	35,000	0.769	\$4.50	\$3.46	0.00	1

Percent Lost	4.59
Total Acres	45,500
Total Bales lost	6,966
Bales lost in dollars	\$2,006,136

Est. yield/acre	1,050
Spray applications	11.591
Cost + loss	\$8,033,511
Cost + loss/acre	\$176.56

	Cost/ Acre
Foliar insecticide	\$104.15
At planting	\$8.90
Bt use fees	\$0.00
Eradication	\$12.00
Scouting	\$7.42
Total	\$132.47

Table 16c

Mississippi Hills *Bt*

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	84,400	25,000	0.148	\$7.50	\$1.11	0.25	1,231
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	125,000	75,000	0.666	\$9.00	\$6.00	0.40	1,969
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	25,000	7,500	0.044	\$15.00	\$0.67	0.11	547
Thrips	168,800	45,000	0.267	\$7.00	\$1.87	0.10	492
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	7,500	3,500	0.021	\$10.00	\$0.21	0.02	120
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	65,000	28,500	0.169	\$7.25	\$1.22	0.12	588
Grasshoppers	1,250	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	750	0	0.000	N/A	\$0.00	0.00	0
Aphids	45,000	15,000	0.089	\$9.75	\$0.87	0.05	263
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	3,500	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	1,400	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	15,000	87,500	0.518	\$4.50	\$2.33	0.00	4

Percent Lost	1.06
Total Acres	168,800
Total Bales lost	5,214
Bales lost in dollars	\$1,501,542

Est. yield/acre	800
Spray applications	1.922
Cost + loss	\$11,734,767
Cost + loss/acre	\$69.52

	Cost/ Acre
Foliar insecticide	\$14.27
At planting	\$8.80
Bt use fees	\$20.00
Eradication	\$12.00
Scouting	\$5.55
Total	\$60.62

Table 16d

		Mississippi Hills nonBt				Cotton Insect Losses 2007	
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	37,500	21,000	0.746	\$7.50	\$5.60	2.22	2,734
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	35,000	25,000	0.889	\$9.00	\$8.00	0.45	551
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	8,500	3,500	0.083	\$15.00	\$1.24	0.15	186
Thrips	42,200	15,500	0.367	\$7.00	\$2.57	0.10	123
Beet Armyworm	1,500	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	2,500	750	0.018	\$10.00	\$0.18	0.03	40
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	17,500	7,500	0.178	\$7.25	\$1.29	0.13	158
Grasshoppers	2,500	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	500	0	0.000	N/A	\$0.00	0.00	0
Aphids	15,000	4,500	0.107	\$9.00	\$0.96	0.07	88
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemisia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	1,100	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Clouded Plant Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	9,500	17,500	0.415	\$4.50	\$1.87	0.00	3

Percent Lost	3.15
Total Acres	42,200
Total Bales lost	3,883
Bales lost in dollars	\$1,118,376

Est. yield/acre	800
Spray applications	2.802
Cost + loss	\$3,172,151
Cost + loss/acre	\$75.17

	Cost/ Acre
Foliar insecticide	\$21.70
At planting	\$8.74
Bt use fees	\$0.00
Eradication	\$12.00
Scouting	\$6.22
Total	\$48.67

Table 17

Missouri

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	293,000	73,500	0.195	\$7.72	\$1.51	1.00	8,647
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	176,000	170,500	0.956	\$4.92	\$4.71	0.25	2,127
Lygus	377,000	371,500	2.508	\$6.82	\$17.12	1.93	16,642
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	263,900	224,750	1.190	\$16.39	\$19.50	1.09	9,428
Thrips	270,250	257,750	0.684	\$3.96	\$2.71	0.76	6,600
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	9,500	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	9,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	104,500	16,000	0.042	\$4.88	\$0.21	0.10	870
Grasshoppers	6,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	6,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	1,800	1,400	0.004	\$4.50	\$0.02	0.00	0
Banded Winged Whitefly	1,500	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	750	750	0.002	\$9.00	\$0.02	0.00	17
Yellowstriped Armyworms	80	80	0.000	\$6.00	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	5.13
Total Acres	377,000
Total Bales lost	44,331
Bales lost in dollars	\$12,767,370

Est. yield/acre	705
Spray applications	5.581
Cost + loss	\$46,428,650
Cost + loss/acre	\$123.15

	Cost/ Acre
Foliar insecticide	\$45.78
At planting	\$7.41
Bt use fees	\$17.53
Eradication	\$12.50
Scouting	\$6.07
Total	\$89.29

Table 18

New Mexico

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	5,000	1,000	0.021	\$18.50	\$0.39	0.04	48
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	8,000	3,500	0.073	\$18.50	\$1.36	0.08	96
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	0	0	0.000	N/A	\$0.00	0.00	0
Thrips	4,256	0	0.000	N/A	\$0.00	0.21	245
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	950	0	0.000	N/A	\$0.00	0.00	2
Grasshoppers	834	0	0.000	N/A	\$0.00	0.00	2
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	2,800	244	0.005	\$22.50	\$0.11	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	0.34
Total Acres	47,784
Total Bales lost	393
Bales lost in dollars	\$113,307

Est. yield/acre	1,118
Spray	0.099
Cost + loss	\$1,633,986
Cost + loss/acre	\$34.20

Cost/	
Foliar insecticide	\$1.86
At planting	\$2.13
Bt use fees	\$10.56
*Eradication	\$11.63
Scouting	\$5.64
Total	\$31.82

*Eradication includes both Pink Bollworm and Boll Weevil costs

Table 19

North Carolina Summary

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	495,000	220,000	0.288	\$7.42	\$2.14	1.03	10,648
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	495,000	0	0.000	N/A	0.00	0.00	0
Lygus	495,000	14,600	0.029	\$7.25	\$0.21	0.10	1,029
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	105,000	11,460	0.023	\$13.50	\$0.31	0.00	0
Thrips	495,000	386,000	1.092	\$4.50	\$4.91	1.50	15,438
Beet Armyworm	79,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	42,000	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	1,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	495,000	204,000	0.165	\$7.49	\$1.24	0.20	2,058
Grasshoppers	93,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	495,000	7,600	0.015	\$11.50	\$0.18	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	5,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	51,500	4,300	0.009	\$4.50	\$0.04	0.00	0

Percent Lost	2.83
Total Acres	495,000
Total Bales lost	29,173
Bales lost in dollars	\$8,401,800

Est. yield/acre	579
Spray applications	1.622
Cost + loss	\$29,879,610
Cost + loss/acre	\$60.36

	Cost/ Acre
Foliar insecticide	\$9.03
At planting	\$12.50
Bt use fees	\$12.95
Eradication	\$2.50
Scouting	\$6.40
Total	\$43.39

Table 19a

Pest	North Carolina <i>Bt</i>				Cotton Insect Losses 2007		
	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	475,000	202,000	0.255	\$7.50	\$1.91	0.90	8,906
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	475,000	0	0.000	N/A	0.00	0.00	0
Lygus	475,000	14,000	0.029	\$7.25	\$0.21	0.10	990
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	100,000	11,000	0.023	\$13.50	\$0.31	0.00	0
Thrips	475,000	371,000	1.093	\$4.50	\$4.92	1.50	14,844
Beet Armyworm	75,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	40,000	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	475,000	202,000	0.170	\$7.50	\$1.28	0.20	1,979
Grasshoppers	90,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	475,000	7,000	0.015	\$11.50	\$0.17	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	5,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	50,000	4,000	0.008	\$4.50	\$0.04	0.00	0

Percent Lost	2.70
Total Acres	475,000
Total Bales lost	26,719
Bales lost in dollars	\$7,695,000

Est. yield/acre	580
Spray applications	1.595
Cost + loss	\$28,473,300
Cost + loss/acre	\$59.94

	Cost/ Acre
Foliar insecticide	\$8.84
At planting	\$12.50
Bt use fees	\$13.50
Eradication	\$2.50
Scouting	\$6.40
Total	\$43.74

Table 19b

Pest	North Carolina non <i>Bt</i>				Cotton Insect Losses 2007		
	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	20,000	18,000	1.080	\$7.00	\$7.56	4.40	1,742
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	20,000	0	0.000	N/A	0.00	0.00	0
Lygus	20,000	600	0.030	\$7.25	\$0.22	0.10	40
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	5,000	460	0.023	\$13.50	\$0.31	0.00	0
Thrips	20,000	15,000	1.050	\$4.50	\$4.73	1.50	594
Beet Armyworm	4,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	2,000	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	1,000	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	20,000	2,000	0.050	\$7.00	\$0.35	0.20	79
Grasshoppers	3,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	20,000	600	0.030	\$11.50	\$0.35	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	1,500	300	0.015	\$4.50	\$0.07	0.00	0

Percent Lost	6.20
Total Acres	20,000
Total Bales lost	2,454
Bales lost in dollars	\$706,800

Est. yield/acre	560
Spray applications	2.278
Cost + loss	\$1,406,310
Cost + loss/acre	\$70.32

	Cost/ Acre
Foliar insecticide	\$13.58
At planting	\$12.50
Bt use fees	\$0.00
Eradication	\$2.50
Scouting	\$6.40
Total	\$34.98

Table 20

Oklahoma

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	193	193	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	70,000	11,500	0.062	\$9.50	\$0.59	0.66	2,169
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	80,000	65,000	0.703	\$10.75	\$7.55	0.32	1,063
Lygus	25,000	0	0.000	N/A	\$0.00	0.00	4
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	9,000	1,400	0.008	\$8.50	\$0.06	0.02	80
Thrips	105,000	20,000	0.108	\$6.50	\$0.70	0.28	930
Beet Armyworm	3,000	0	0.000	N/A	\$0.00	0.00	5
Fall Armyworm	4,500	0	0.000	N/A	\$0.00	0.00	8
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	42,000	1,000	0.005	\$8.50	\$0.05	0.02	74
Grasshoppers	1,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	45,000	60	0.000	\$7.00	\$0.00	0.00	8
Aphids	42,000	26,000	0.141	\$8.50	\$1.19	0.02	74
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	5,000	0	0.000	N/A	\$0.00	0.00	1
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	15,000	0	0.000	N/A	\$0.00	0.00	3

Percent Lost	1.35
Total Acres	185,000
Total Bales lost	4,419
Bales lost in dollars	\$1,272,757

Est. yield/acre	780
Spray applications	1.027
Cost + loss	\$7,603,927
Cost + loss/acre	\$41.10

	Cost/ Acre
Foliar insecticide	\$10.15
At planting	\$7.09
Bt use fees	\$6.39
Eradication	\$7.07
Scouting	\$3.51
Total	\$34.22

Table 21

South Carolina

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	180,000	160,000	1.778	\$10.00	\$17.78	4.50	16,875
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	175,000	0	0.000	N/A	0.00	0.00	0
Lygus	175,000	25,000	0.139	\$8.50	\$1.18	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	160,000	25,000	0.139	\$18.00	\$2.50	0.00	0
Thrips	180,000	100,000	0.556	\$7.00	\$3.89	0.30	1,125
Beet Armyworm	18,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	125,000	30,000	0.167	\$13.00	\$2.17	0.14	521
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	180,000	140,000	0.778	\$10.00	\$7.78	1.00	3,750
Grasshoppers	150,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	18,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	180,000	50,000	0.278	\$12.00	\$3.33	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	90,000	0	0.000	N/A	\$0.00	0.00	0
Loopers	100,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	100,000	10,000	0.056	\$5.00	\$0.28	0.00	0

Percent Lost	5.94
Total Acres	180,000
Total Bales lost	22,271
Bales lost in dollars	\$6,414,000

Est. yield/acre	400
Spray applications	3.889
Cost + loss	\$20,303,130
Cost + loss/acre	\$112.80

	Cost/ Acre
Foliar insecticide	\$38.90
At planting	\$13.50
Bt use fees	\$14.20
Eradication	\$3.00
Scouting	\$7.56
Total	\$77.16

Table 22

Tennessee

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	400,000	100,000	0.240	\$8.50	\$2.04	0.80	9,167
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	500,000	400,000	0.960	\$8.50	\$8.16	0.60	6,875
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	200,000	100,000	0.260	\$11.50	\$2.99	0.76	8,708
Thrips	500,000	415,000	0.996	\$6.00	\$5.98	1.20	13,750
Beet Armyworm	20,000	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	43,000	1,750	0.004	\$9.25	\$0.03	0.01	99
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	460,000	180,000	0.432	\$8.00	\$3.46	0.62	7,063
Grasshoppers	20,000	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	11,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	370,000	9,000	0.018	\$0.00	\$0.00	0.07	848
Banded Winged Whitefly	1,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	40,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
False Chinch Bug	13,000	2,000	0.005	\$8.60	\$0.04	0.00	9
Cutworms	25,000	280,000	0.560	\$4.00	\$2.24	0.00	0

Percent Lost	4.06
Total Acres	500,000
Total Bales lost	46,518
Bales lost in dollars	\$13,397,274

Est. yield/acre	580
Spray applications	3.474
Cost + loss	\$45,015,102
Cost + loss/acre	\$90.03

	Cost/ Acre
Foliar insecticide	\$24.94
At planting	\$8.55
Bt use fees	\$14.25
Eradication	\$9.50
Scouting	\$6.00
Total	\$63.24

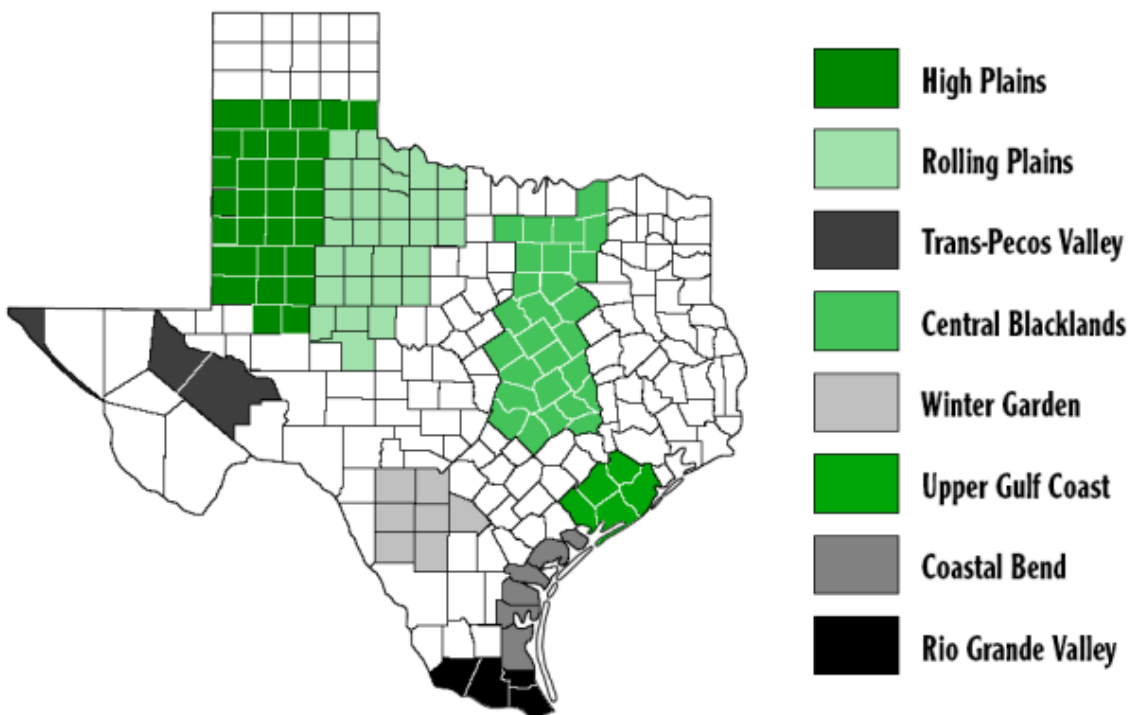


Table 23

Texas Summary

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	339,700	70,000	0.014	\$8.75	\$0.13	0.03	3,190
Bollworm/Budworm	2,383,693	489,940	0.116	\$10.17	\$1.18	0.81	78,826
Pink Bollworm	42,620	3,150	0.008	\$2.07	\$0.02	0.00	28
Cotton Fleahopper	3,405,898	1,912,472	0.557	\$7.83	\$4.36	1.11	108,057
Lygus	676,446	277,015	0.057	\$8.80	\$0.50	0.11	10,314
Cotton Leaf Perforator	32,500	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	470,679	82,200	0.017	\$10.75	\$0.19	0.03	2,917
Thrips	4,201,069	1,940,549	0.477	\$9.66	\$4.61	0.67	65,062
Beet Armyworm	134,833	5,000	0.001	\$13.75	\$0.01	0.00	229
Fall Armyworm	801,847	222,615	0.054	\$10.26	\$0.55	0.06	5,404
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	680,248	405,500	0.184	\$9.70	\$1.78	0.14	13,186
Grasshoppers	342,056	20,308	0.004	\$13.50	\$0.06	0.00	0
Saltmarsh Caterpillars	343,154	31,539	0.007	\$10.25	\$0.07	0.00	0
Aphids	2,884,850	1,436,573	0.323	\$11.55	\$3.73	0.63	61,162
Banded Winged Whitefly	19,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	60,000	32,000	0.007	\$17.69	\$0.12	0.04	3,926
Loopers	110,293	1,000	0.000	\$9.54	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
green Mirid	32,858	5,400	0.001	\$9.75	\$0.01	0.01	685
Cutworms	50,000	27,500	0.006	\$7.25	\$0.04	0.00	0

Percent Lost	3.62
Total Acres	4,832,924
Total Bales lost	352,985
Bales lost in dollars	\$101,659,773

Est. yield/acre	721
Spray applications	1.832
Cost + loss	\$285,500,018
Cost + loss/acre	\$59.07

	Cost/ Acre
Foliar insecticide	\$17.35
At planting	\$5.93
Bt use fees	\$4.61
*Eradication	\$8.83
Scouting	\$1.32
Total	\$38.04

Table 23a

Texas Gulf Coast and Winter Garden

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	196,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	410,069	136,813	0.267	\$9.25	\$2.47	0.00	0
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	513,368	487,700	2.185	\$7.39	\$16.15	1.00	10,695
Lygus	128,500	15,000	0.029	\$9.40	\$0.27	0.00	0
Cotton Leaf Perforator	28,500	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	102,674	71,000	0.138	\$10.30	\$1.42	0.00	0
Thrips	513,368	56,000	0.109	\$7.21	\$0.79	0.00	0
Beet Armyworm	14,402	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	28,462	1,000	0.002	\$12.71	\$0.02	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	513,368	402,000	1.723	\$9.70	\$16.71	1.20	12,834
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	26,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	256,684	102,674	0.200	\$8.80	\$1.76	0.00	0
Banded Winged Whitefly	19,000	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	48,000	1,000	0.002	\$9.54	\$0.02	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Green Mirid	32,858	5,400	0.011	\$9.75	\$0.10	0.06	685
Cutworms	50,000	27,500	0.054	\$7.25	\$0.39	0.00	0

Percent Lost	2.26
Total Acres	513,368
Total Bales lost	24,214
Bales lost in dollars	\$6,973,606

Est. yield/acre	714
Spray	4.719
Cost + loss	\$46,859,431
Cost + loss/acre	\$91.28

	Cost/ Acre
Foliar insecticide	\$40.10
At planting	\$3.92
Bt use fees	\$6.41
Eradication	\$22.41
Scouting	\$4.86
Total	\$77.69

Table 23b

		Texas Panhandle		Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	64,662	16,165	0.100	\$10.00	\$1.00	0.80	2,613
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	50,484	18,233	0.113	\$8.00	\$0.90	0.31	1,020
Lygus	45,000	5,400	0.033	\$8.00	\$0.27	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	19,390	0	0.000	N/A	\$0.00	0.00	0
Thrips	134,962	115,626	0.858	\$9.00	\$7.72	1.67	5,455
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	3,880	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	27,748	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	130,774	10,460	0.065	\$10.00	\$0.65	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	2.78
Total Acres	161,656
Total Bales lost	9,088
Bales lost in dollars	\$2,617,440

Est. yield/acre	780
Spray applications	1.169
Cost + loss	\$7,017,840
Cost + loss/acre	\$43.41

	Cost/ Acre
Foliar insecticide	\$10.54
At planting	\$10.28
Bt use fees	\$1.96
Eradication	\$3.25
Scouting	\$1.19
Total	\$27.22

Table 23c

Pest	Texas North Rolling Plains				Cotton Insect Losses 2007		
	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	300	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	625,000	30,000	0.040	\$11.00	\$0.44	0.42	5,534
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	747,200	520,000	0.696	\$8.50	\$5.92	1.00	13,232
Lygus	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	0	0	0.000	N/A	\$0.00	0.00	0
Thrips	747,200	20,000	0.027	\$6.50	\$0.17	0.00	0
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	275,000	22,000	0.029	\$11.00	\$0.32	0.18	2,435
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	350,000	0	0.000	N/A	\$0.00	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	1.60
Total Acres	747,200
Total Bales lost	21,200
Bales lost in dollars	\$6,105,720

Est. yield/acre	620
Spray applications	0.792
Cost + loss	\$23,662,136
Cost + loss/acre	\$31.67

	Cost/ Acre
Foliar insecticide	\$6.85
At planting	\$0.20
Bt use fees	\$7.00
Eradication	\$9.28
Scouting	\$0.16
Total	\$23.50

Table 23d

		Texas High Plains		Cotton Insect Losses 2007			
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	714,462	225,462	0.104	\$10.00	\$1.04	0.54	26,658
Pink Bollworm	10,000	3,000	0.015	\$2.00	\$0.03	0.00	0
Cotton Fleahopper	1,393,846	435,539	0.201	\$7.80	\$1.57	0.94	46,229
Lygus	497,046	255,015	0.107	\$8.75	\$0.94	0.21	10,303
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	328,615	6,500	0.003	\$13.50	\$0.04	0.06	2,725
Thrips	1,986,539	1,701,923	0.858	\$9.86	\$8.46	1.17	57,651
Beet Armyworm	85,231	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	213,385	184,615	0.093	\$10.00	\$0.93	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	314,308	20,308	0.009	\$13.50	\$0.12	0.00	0
Saltmarsh Caterpillars	315,154	31,539	0.013	\$10.25	\$0.14	0.00	0
Aphids	1,924,892	1,242,139	0.574	\$12.00	\$6.89	1.13	55,862
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	12,293	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Darkling Beetle	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	4.04
Total Acres	2,379,450
Total Bales lost	199,429
Bales lost in dollars	\$57,435,463

Est. yield/acre	750
Spray applications	1.979
Cost + loss	\$152,853,534
Cost + loss/acre	\$64.24

	Cost/ Acre
Foliar insecticide	\$20.16
At planting	\$10.11
Bt use fees	\$2.32
Eradication	\$6.50
Scouting	\$1.01
Total	\$40.10

Table 23e

		Texas Northern Blacklands			Cotton Insect Losses 2007		
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	48,400	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	12,000	7,500	0.155	\$10.00	\$1.55	0.74	525
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	40,000	34,000	0.702	\$5.50	\$3.86	2.56	1,808
Lygus	600	0	0.000	N/A	\$0.00	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	4,000	1,700	0.035	\$14.00	\$0.49	0.04	29
Thrips	45,000	29,000	0.599	\$7.00	\$4.19	0.56	394
Beet Armyworm	200	0	0.000	N/A	\$0.00	0.00	1
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	31,000	3,500	0.072	\$10.00	\$0.72	0.13	90
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	21,000	1,000	0.021	\$9.00	\$0.19	0.13	92
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	4.16
Total Acres	48,400
Total Bales lost	2,939
Bales lost in dollars	\$846,552

Est. yield/acre	545
Spray applications	1.585
Cost + loss	\$2,945,652
Cost + loss/acre	\$60.86

	Cost/ Acre
Foliar insecticide	\$11.01
At planting	\$5.79
Bt use fees	\$9.50
Eradication	\$13.25
Scouting	\$3.82
Total	\$43.37

Table 23f

		Texas Lower Rio Grande Valley			Cotton Insect Losses 2007		
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	70,000	70,000	0.700	\$8.75	\$6.13	1.23	3,190
Bollworm/Budworm	100,000	50,000	1.000	\$11.00	\$11.00	15.00	39,063
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	100,000	100,000	2.000	\$8.00	\$16.00	10.00	26,042
Lygus	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Leaf Perforator	4,000	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	12,500	3,000	0.030	\$12.50	\$0.38	0.06	163
Thrips	30,000	18,000	0.180	\$8.00	\$1.44	0.60	1,563
Beet Armyworm	35,000	5,000	0.050	\$13.75	\$0.69	0.09	228
Fall Armyworm	35,000	10,000	0.100	\$13.75	\$1.38	0.18	456
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	2,000	0	0.000	N/A	\$0.00	0.00	0
Aphids	100,000	70,000	0.700	\$7.50	\$5.25	2.00	5,208
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	50,000	30,000	0.300	\$18.00	\$5.40	1.50	3,906
Loopers	50,000	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	30.65
Total Acres	100,000
Total Bales lost	79,818
Bales lost in dollars	\$22,987,500

Est. yield/acre	600
Spray applications	5.060
Cost + loss	\$30,716,250
Cost + loss/acre	\$307.16

	Cost/ Acre
Foliar insecticide	\$47.65
At planting	\$0.74
Bt use fees	\$3.70
Eradication	\$18.70
Scouting	\$6.50
Total	\$77.29

Table 23g

		Texas Southern Rolling Plains			Cotton Insect Losses 2007		
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	20,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	437,000	10,000	0.023	\$11.00	\$0.25	0.50	4,393
Pink Bollworm	4,300	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	437,000	300,000	0.686	\$8.50	\$5.84	1.00	8,786
Lygus	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	3,500	0	0.000	N/A	\$0.00	0.00	0
Thrips	437,000	0	0.000	N/A	\$0.00	0.00	0
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	250,000	5,000	0.011	\$11.00	\$0.13	0.29	2,513
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	0	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	100,000	10,000	0.023	\$8.50	\$0.19	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Darkling Beetles	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	1.79
Total Acres	437,000
Total Bales lost	15,691
Bales lost in dollars	\$4,519,095

Est. yield/acre	646
Spray applications	0.744
Cost + loss	\$13,208,703
Cost + loss/acre	\$30.23

	Cost/ Acre
Foliar insecticide	\$6.41
At planting	\$1.04
Bt use fees	\$8.00
Eradication	\$4.00
Scouting	\$0.44
Total	\$19.88

Table 23h

Texas Southern Blacklands

Cotton Insect Losses 2007

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	65,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	79,000	6,500	0.074	\$11.45	\$0.85	1.12	2,345
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	105,600	101,400	1.728	\$5.50	\$9.51	1.70	3,553
Lygus	7,000	2,200	0.021	\$7.25	\$0.15	0.01	28
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	8,500	3,500	0.043	\$18.25	\$0.79	0.03	67
Thrips	105,600	52,000	0.689	\$4.50	\$3.10	0.20	418
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	67,500	12,500	0.142	\$8.50	\$1.21	0.38	802
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	87,500	4,200	0.040	\$6.50	\$0.26	0.25	520
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	3,000	2,200	0.025	\$7.50	\$0.19	0.00	6

Percent Lost	3.70
Total Acres	105,600
Total Bales lost	7,738
Bales lost in dollars	\$2,228,643

Est. yield/acre	698
Spray applications	2.762
Cost + loss	\$8,331,601
Cost + loss/acre	\$78.90

	Cost/ Acre
Foliar insecticide	\$16.05
At planting	\$10.51
Bt use fees	\$9.09
Eradication	\$18.00
Scouting	\$4.14
Total	\$57.79

Table 23i

		Texas Far West			Cotton Insect Losses 2007		
Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	5,000	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	20,500	14,000	0.031	\$13.96	\$0.44	0.00	41
Pink Bollworm	28,320	150	0.001	\$10.00	\$0.01	0.00	28
Cotton Fleahopper	124,000	17,000	0.038	\$8.00	\$0.31	0.03	245
Lygus	5,300	1,600	0.004	\$13.50	\$0.05	0.00	10
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	0	0	0.000	N/A	\$0.00	0.00	0
Thrips	307,000	0	0.000	N/A	\$0.00	0.00	0
Beet Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	132,000	0	0.000	N/A	\$0.00	0.03	261
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	1,500	300	0.001	\$7.10	\$0.00	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	10,000	2,000	0.004	\$13.00	\$0.06	0.00	20
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	0.07
Total Acres	445,850
Total Bales lost	606
Bales lost in dollars	\$174,397

Est. yield/acre	838
Spray applications	0.079
Cost + loss	\$8,236,472
Cost + loss/acre	\$18.47

	Cost/ Acre
Foliar insecticide	\$0.86
At planting	\$0.00
Bt use fees	\$8.01
*Eradication	\$8.92
Scouting	\$0.30
Total	\$18.08

Table 24

Virginia

Cotton Insect Losses 2006

Pest	acres infested	acres treated	# insect appls	Cost of 1 applic	cost/ acre	%red	Bales lost
Boll Weevil	0	0	0.000	N/A	\$0.00	0.00	0
Bollworm/Budworm	59,000	37,760	0.704	\$8.00	\$5.63	0.00	0
Pink Bollworm	0	0	0.000	N/A	\$0.00	0.00	0
Cotton Fleahopper	0	0	0.000	N/A	0.00	0.00	0
Lygus	10,000	0	0.000	N/A	\$0.00	0.00	0
Cotton Leaf Perforator	0	0	0.000	N/A	\$0.00	0.00	0
Spider Mites	25,000	0	0.000	N/A	\$0.00	0.00	0
Thrips	59,000	59,000	1.100	\$6.75	\$7.43	2.00	1,880
Beet Armyworm	500	0	0.000	N/A	\$0.00	0.00	0
Fall Armyworm	0	0	0.000	N/A	\$0.00	0.00	0
European Cornborer	0	0	0.000	N/A	\$0.00	0.00	0
Stink Bugs	30,000	0	0.000	N/A	\$0.00	0.00	0
Grasshoppers	0	0	0.000	N/A	\$0.00	0.00	0
Saltmarsh Caterpillars	0	0	0.000	N/A	\$0.00	0.00	0
Aphids	20,000	0	0.000	N/A	\$0.00	0.00	0
Banded Winged Whitefly	0	0	0.000	N/A	\$0.00	0.00	0
Silverleaf Whitefly (Bemesia)	0	0	0.000	N/A	\$0.00	0.00	0
Loopers	0	0	0.000	N/A	\$0.00	0.00	0
Southern Armyworms	0	0	0.000	N/A	\$0.00	0.00	0
Other Insects	0	0	0.000	N/A	\$0.00	0.00	0
Cutworms	0	0	0.000	N/A	\$0.00	0.00	0

Percent Lost	2.00
Total Acres	59,000
Total Bales lost	1,880
Bales lost in dollars	\$541,443

Est. yield/acre	760
Spray applications	1.804
Cost + loss	\$3,493,056
Cost + loss/acre	\$59.20

	Cost/ Acre
Foliar insecticide	\$13.06
At planting	\$15.00
Bt use fees	\$18.00
Eradication	\$3.25
Scouting	\$0.72
Total	\$50.03

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Virginia	---	Dr. Ames Herbert

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