

Arizona Cotton Insect Losses Summary (Foliar Insecticide Use)

Year	Pest	Total Acres	Acres Infested (%)	Acres Treated (%)	Insecticide Applications (No./A)	Control Costs (\$/A)	% of Total Control Costs	Yield Loss (%)	% of Total Insect-Related Yield Loss	Lint Price* (\$/lb)	Statewide Economic Loss (for yield;\$)	Statewide Economic Loss (for control;\$)
1979	All Pests	618,300	NA	NA	5.200 ^{7,8}	\$43.69	NA	0.650	NA	0.697	\$2,994,107	\$27,015,382
1980	All Pests	591,100	NA	NA	3.536 ⁸	\$30.00	NA	5.506	100.0	0.759	\$28,651,708	\$17,733,000
1981	All Pests	632,600	NA	NA	6.942 ⁸	\$69.00	NA	8.123	100.0	0.573	\$35,964,111	\$43,649,400
1982	All Pests	511,600	NA	NA	7.818 ⁸	\$80.00	NA	7.820	100.0	0.628	\$27,365,441	\$40,928,000
1983	All Pests	331,300	NA	NA	7.013 ⁸	\$74.00	NA	7.214	100.0	0.703	\$18,684,278	\$23,184,200
1984	All Pests	479,300	NA	NA	8.005 ⁸	\$85.00	NA	7.106	100.0	0.625	\$25,248,133	\$40,740,500
1985	All Pests	415,300	NA	NA	9.765 ⁸	\$95.00	NA	6.880	100.0	0.613	\$20,986,656	\$39,453,500
1986	All Pests	322,800	NA	NA	7.300	\$66.60	NA	4.069	100.0	0.606	\$9,745,080	\$21,498,480
1987	All Pests	289,000	NA	NA	12.800	\$118.10	NA	3.393	100.0	0.657	\$9,111,241	\$34,130,900
1988	All Pests	477,000	NA	NA	7.100	\$63.60	NA	2.123	100.0	0.704	\$7,952,591	\$30,337,200
1989	All Pests	483,500	NA	NA	8.200	\$76.70	NA	2.328	100.0	0.785	\$9,892,538	\$37,084,450
1990	All Pests	472,000	NA	NA	11.400	\$113.40	NA	5.992	100.0	0.759	\$21,973,710	\$53,524,800
1991	All Pests	462,000	NA	NA	9.800	\$106.10	NA	3.170	100.0	0.667	\$11,009,632	\$49,018,200
1992	All Pests	425,000	NA	NA	7.700	\$121.10	NA	9.818	100.0	0.569	\$23,135,465	\$51,467,500
1993	All Pests	371,900	NA	NA	3.800	\$68.30	NA	4.317	100.0	0.614	\$11,178,353	\$25,400,770
1994	All Pests	312,000	NA	NA	9.000	\$138.20	NA	10.591	100.0	0.706	\$28,016,459	\$43,118,400
1995	All Pests	412,100	NA	NA	12.500	\$217.00	NA	8.683	100.0	0.767	\$27,603,755	\$89,425,700
1996	All Pests	314,000	NA	NA	5.690	\$111.19	NA	10.000	100.0	0.697	\$34,217,687	\$34,914,995
1997	All Pests	324,000	NA	NA	5.336	\$107.55	NA	6.357	100.0	0.647	\$20,063,646	\$34,844,800
1998	All Pests	248,000	NA	NA	4.684	\$103.39	NA	8.936	100.0	0.547	\$18,787,056	\$25,639,654
1999	All Pests	269,000	NA	NA	1.913	\$37.19	100.0	4.556	100.0	0.439	\$8,233,382	\$10,004,987
2000	All Pests	278,000	NA	NA	2.802	\$56.54	100.0	5.38	100.0	0.397	\$10,646,876	\$15,718,729
2001	All Pests	290,000	NA	NA	3.088	\$62.40	100.0	7.44	100.0	0.284	\$9,794,728	\$18,095,826
2002	All Pests	213,000	NA	NA	3.348	\$64.40	100.0	4.84	100.0	0.463	\$8,458,575	\$13,717,928
2003	All Pests	213,000	NA	NA	4.250	\$83.95	100.0	5.75	100.0	0.664	\$13,548,354	\$17,880,915
2004	All Pests	238,000	NA	NA	2.683	\$53.24	100.0	5.12	100.0	0.444	\$10,010,233	\$12,670,620
2005	All Pests	229,000	NA	NA	4.947	\$104.96	100.0	8.69	100.0	0.516	\$18,301,458	\$24,034,755
2006	All Pests	188,000	NA	NA	1.355	\$31.39	100.0	2.32	100.0	0.525	\$4,126,717	\$5,901,395

2007 All Pests	168,000			1.373	\$26.97	100.0	1.54	100.0		\$2,739,877	\$4,531,394
1989 Aphids	483,500	7	2	0.000	\$0.00	0.0	0.001	0.0	0.785	\$4,491	\$0
1990 Aphids	472,000	17	7	0.100	\$0.90	0.8	0.005	0.2	0.759	\$19,117	\$424,800
1991 Aphids	462,000	27	13	0.200	\$2.00	1.9	0.012	0.3	0.667	\$41,492	\$924,000
1992 Aphids	425,000	49	24	0.500	\$7.50	6.2	0.366	3.8	0.569	\$862,606	\$3,187,500
1993 Aphids	371,900	85	30	0.300	\$3.60	5.3	0.270	6.3	0.614	\$699,261	\$1,338,840
1994 Aphids	312,000	8	2	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995 Aphids	412,100	19	9	0.100	\$1.80	0.8	0.000	0.0	0.767	\$0	\$741,780
1996 Aphids	314,000	94	2	0.015	\$0.27	0.2	0.000	0.0	0.697	\$0	\$84,780
1997 Aphids	324,000	76	0	0.002	\$0.03	0.0	0.000	0.0	0.647	\$0	\$9,104
1998 Aphids	248,000	30	5	0.100	\$1.70	1.6	0.000	0.0	0.547	\$0	\$421,600
1999 Aphids	269,000	30	4	0.039	\$0.64	1.7	0.001	0.0	0.439	\$2,208	\$173,102
2000 Aphids	278,000	12	1	0.006	\$0.14	0.2	0.006	0.1	0.397	\$11,301	\$38,364
2001 Aphids	290,000	1	0	0.000	N/A	N/A	0.000	0.0	0.284	\$0	NA
2002 Aphids	213,000	15	1	0.010	\$0.15	0.2	0.000	0.0	0.463	\$0	\$31,524
2003 Aphids	213,000	6	0	0.004	\$0.05	0.1	0	0.0	0.664	\$1,041	\$10,224
2004 Aphids	238,000	31	0	0.002	\$0.03	0.1	0.009	0.2	0.444	\$16,730	\$7,140
2005 Aphids	229,000	7	1	0.016	\$0.22	0.2	0.023	0.3	0.516	\$47,932	\$51,296
2006 Aphids	188,000	4	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A
2007 Aphids	168,000	14	3	0.028	\$0.49	1.8	0.001	0.1	0.600	\$2,174	\$82,646
1987 Beet armyworm	289,000	30	20	0.400	\$3.60	3.0	0.040	1.2	0.657	\$107,517	\$1,040,400
1988 Beet armyworm	477,000	33	27	0.800	\$9.60	15.1	0.266	12.7	0.704	\$996,639	\$4,579,200
1989 Beet armyworm	483,500	24	20	0.600	\$7.20	9.4	0.117	5.2	0.785	\$497,442	\$3,481,200
1990 Beet armyworm	472,000	22	17	0.300	\$3.00	2.6	0.069	1.2	0.759	\$254,777	\$1,416,000
1991 Beet armyworm	462,000	24	19	0.400	\$4.40	4.1	0.075	2.5	0.667	\$261,742	\$2,032,800
1992 Beet armyworm	425,000	98	2	0.000	\$0.00	0.0	0.002	0.0	0.569	\$5,860	\$0
1993 Beet armyworm	371,900	80	20	0.200	\$2.40	3.5	0.000	0.0	0.614	\$0	\$892,560
1994 Beet armyworm	312,000	80	16	0.200	\$3.00	2.2	0.040	0.4	0.706	\$106,085	\$936,000
1995 Beet armyworm	412,100	75	38	0.400	\$6.00	2.8	0.094	1.0	0.767	\$298,624	\$2,472,600
1996 Beet armyworm	314,000	93	1	0.006	\$0.09	0.1	0.093	0.9	0.697	\$317,006	\$28,260
1997 Beet armyworm	324,000	76	8	0.076	\$1.39	1.3	0.000	0.0	0.647	\$0	\$449,142
1998 Beet armyworm	248,000	76	9	0.090	\$1.35	1.3	0.380	4.3	0.547	\$798,912	\$334,800
1999 Beet armyworm	269,000	54	2	0.027	\$0.41	1.1	0.000	0.0	0.439	\$0	\$108,945
2000 Beet armyworm	278,000	61	21	0.195	\$2.07	3.7	0.023	0.4	0.397	\$44,600	\$576,252
2001 Beet armyworm	290,000	15	4	0.034	\$0.35	0.6	0.006	0.1	0.284	\$7,247	\$100,671
2002 Beet armyworm	213,000	34	4	0.025	\$0.41	0.6	0.058	1.2	0.463	\$101,608	\$86,585

2003	Beet armyworm	213,000	48	8	0.068	\$0.84	1.0	0.06	1.0	0.664	\$140,565	\$179,022
2004	Beet Armyworm	238,000	46	8	0.045	\$0.54	1.0	0.036	0.7	0.444	\$71,312	\$128,413
2005	Beet Armyworm	229,000	22	4	0.031	\$0.54	0.5	0.016	0.2	0.516	\$33,130	\$122,884
2006	Beet Armyworm	188,000	32	4	0.026	\$0.47	1.5	0.037	1.6	0.525	\$66,615	\$88,435
2007	Beet Armyworm	168,000	20	2	0.010	\$0.18	0.7	0.007	0.5	0.600	\$13,044	\$29,694
1979	Boll Weevil	618,300	NA	NA	NA	NA	NA	NA	NA	0.697	NA	NA
1980	Boll Weevil	591,100	NA	NA	NA	NA	NA	0.010	0.2	0.759	\$51,853	NA
1981	Boll Weevil	632,600	NA	NA	NA	NA	NA	0.129	1.6	0.573	\$571,267	NA
1982	Boll Weevil	511,600	NA	NA	NA	NA	NA	1.000	12.8	0.628	\$3,499,417	NA
1983	Boll Weevil	313,300	NA	NA	NA	NA	NA	0.757	10.8	0.703	\$1,960,924	NA
1984	Boll Weevil	479,300	NA	NA	NA	NA	NA	0.800	11.3	0.625	\$2,842,305	NA
1985	Boll Weevil	415,300	NA	NA	NA	NA	NA	0.400	5.8	0.613	\$1,220,154	NA
1986	Boll Weevil	322,800	28	14	1.100	\$9.90	14.9	0.055	1.2	0.606	\$132,128	\$3,195,720
1987	Boll Weevil	289,000	33	17	1.300	\$11.70	9.9	0.083	2.4	0.657	\$223,863	\$3,381,300
1988	Boll Weevil	477,000	33	27	1.300	\$6.50	10.2	0.053	2.4	0.704	\$199,328	\$3,100,500
1989	Boll Weevil	483,500	26	22	0.900	\$4.50	5.9	0.011	0.4	0.785	\$45,944	\$2,175,750
1990	Boll Weevil	472,000	9	2	0.000	\$0.00	0.0	0.000	0.0	0.759	\$695	\$0
1991	Boll Weevil	462,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.667	\$0	\$0
1992	Boll Weevil	425,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.569	\$0	\$0
1993	Boll Weevil	371,900	0	0	0.000	\$0.00	0.0	0.000	0.0	0.614	\$0	\$0
1994	Boll Weevil	312,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Boll Weevil	412,100	0	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Boll Weevil	314,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.697	\$0	\$0
1997	Boll Weevil	324,000	0	0	0.000	NA	NA	0.000	0.0	0.647	\$0	\$0
1998	Boll Weevil	248,000	0	0	0.000	NA	NA	0.000	0.0	0.547	\$0	\$0
1999	Boll Weevil	269,000	0	0	0.000	NA	NA	0.000	0.0	0.439	\$0	\$0
2000	Boll Weevil	278,000	0	0	0.000	NA	NA	0.000	0.0	0.397	\$0	NA
2001	Boll Weevil	290,000	0	0	0.000	N/A	N/A	0.000	0.0	0.284	\$0	NA
2002	Boll Weevil	213,000	0	0	0.000	N/A	N/A	0.000	0.0	0.463	\$0	NA
2003	Boll Weevil	213,000	0	0	0.000	N/A	N/A	0.000	0.0	0.664	\$0	N/A
2004	Boll Weevil	238,000	0	0	0.000	N/A	N/A	0.000	0.0	0.444	\$0	N/A
2005	Boll Weevil	229,000	0	0	0.000	N/A	N/A	0.000	0.0	0.516	\$0	N/A
2006	Boll Weevil	188,000	0	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A
2007	Boll Weevil	168,000	0	0	0.000	N/A	N/A	0.000	0.0	0.600	0	N/A
1979	Boll/budworms	618,300	NA	NA	NA	NA	NA	0.100	15.4	0.697	\$460,894	NA
1980	Boll/budworms	591,100	NA	NA	NA	NA	NA	0.199	3.6	0.759	\$1,037,053	NA

1981	Boll/budworms	632,600	NA	NA	NA	NA	NA	1.503	18.4	0.573	\$6,655,260	NA
1982	Boll/budworms	511,600	NA	NA	NA	NA	NA	1.500	19.2	0.628	\$5,249,125	NA
1983	Boll/budworms	313,300	NA	NA	NA	NA	NA	1.000	13.5	0.703	\$2,589,900	NA
1984	Boll/budworms	479,300	NA	NA	NA	NA	NA	1.098	15.5	0.625	\$3,900,610	NA
1985	Boll/budworms	415,300	NA	NA	NA	NA	NA	1.000	14.5	0.613	\$3,050,386	NA
1986	Boll/budworms	322,800	69	28	0.500	\$5.00	7.5	0.276	6.7	0.606	\$660,639	\$1,614,000
1987	Boll/budworms	289,000	74	27	0.500	\$5.00	4.2	0.214	6.2	0.657	\$573,847	\$1,445,000
1988	Boll/budworms	477,000	58	22	0.400	\$4.00	6.3	0.177	8.5	0.704	\$664,426	\$1,908,000
1989	Boll/budworms	483,500	65	33	0.700	\$7.00	9.1	0.195	8.6	0.785	\$829,070	\$3,384,500
1990	Boll/budworms	472,000	61	30	0.600	\$6.00	5.3	0.152	2.5	0.759	\$557,520	\$2,832,000
1991	Boll/budworms	462,000	69	33	0.700	\$7.00	6.6	0.166	5.4	0.667	\$577,196	\$3,234,000
1992	Boll/budworms	425,000	5	2	0.000	\$0.00	0.0	0.006	0.1	0.569	\$14,512	\$0
1993	Boll/budworms	371,900	30	2	0.000	\$0.00	0.0	0.000	0.0	0.614	\$0	\$0
1994	Boll/budworms	312,000	19	2	0.000	\$0.00	0.0	0.004	0.0	0.706	\$10,747	\$0
1995	Boll/budworms	412,100	10	3	0.000	\$0.00	0.0	0.000	0.1	0.767	\$0	\$0
1996	Boll/budworms	314,000	41	12	0.241	\$2.95	2.7	0.000	0.0	0.697	\$0	\$927,007
1997	Boll/budworms	324,000	43	10	0.155	\$1.95	1.8	0.043	0.7	0.647	\$134,474	\$631,265
1998	Boll/budworms	248,000	40	6	0.060	\$0.89	0.9	0.040	0.4	0.547	\$84,096	\$220,670
1999	Boll/budworms	269,000	40	6	0.058	\$0.85	2.3	0.037	0.8	0.439	\$67,718	\$228,881
2000	Boll/budworms	278,000	37	14	0.170	\$2.78	4.9	0.309	5.7	0.397	\$611,282	\$773,646
2001	Boll/budworms	290,000	28	8	0.078	\$1.17	1.9	0.050	0.7	0.284	\$65,645	\$339,300
2002	Boll/budworms	213,000	51	18	0.179	\$2.44	3.8	0.156	3.2	0.463	\$272,361	\$519,671
2003	Boll/budworms	213,000	52	6	0.054	\$0.73	0.9	0.13	2.3	0.664	\$305,772	\$156,312
2004	Bollworm/Budworm	238,000	58	9	0.083	\$1.04	1.9	0.179	3.5	0.444	\$351,123	\$246,530
2005	Bollworm/Budworm	229,000	33	7	0.058	\$0.91	0.9	0.091	1.0	0.516	\$191,964	\$208,262
2006	Bollworm/Budworm	188,000	19	2	0.020	\$0.35	1.1	0.033	1.4	0.525	\$59,568	\$66,347
2007	Bollworm/Budworm	168,000	20	3	0.020	\$0.35	1.3	0.047	3.1	0.600	\$84,139	\$58,480
1992	Cabbage looper	425,000	24	3	0.100	\$1.00	0.8	0.000	0.0	0.569	\$0	\$425,000
1993	Cabbage looper	371,900	25	0	0.000	\$0.00	0.0	0.000	0.0	0.614	\$0	\$0
1994	Cabbage looper	312,000	8	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Cabbage looper	412,100	13	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Cabbage looper	314,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.697	\$0	\$0
1997	Cabbage looper	324,000	8	0	0.000	NA	NA	0.000	0.0	0.647	\$0	\$0
1998	Cabbage looper	248,000	30	0	0.000	NA	NA	0.000	0.0	0.547	\$0	\$0
1999	Cabbage looper	269,000	10	0	0.000	NA	NA	0.000	0.0	0.439	\$0	\$0
2000	Cabbage looper	278,000	3	0	0.000	NA	NA	0.000	0.0	0.397	\$0	NA

2001	Cabbage looper	290,000	2	0	0.000	N/A	N/A	0.000	0.0	0.284	\$0	NA
2002	Cabbage looper	213,000	36	0	0.000	N/A	N/A	0.000	0.0	0.463	\$0	NA
2003	Cabbage looper	213,000	31	0	0.001	\$0.02	0.0	0.006	0.1	0.664	\$15,271	\$3,195
1979	Cotton Leafperforator	618,300	NA	NA	NA	NA	NA	0.000	0.0	0.697	\$0	NA
1980	Cotton Leafperforator	591,100	NA	NA	NA	NA	NA	0.999	18.1	0.759	\$5,196,296	NA
1981	Cotton Leafperforator	632,600	NA	NA	NA	NA	NA	0.871	11.0	0.573	\$3,856,052	NA
1982	Cotton Leafperforator	511,600	NA	NA	NA	NA	NA	0.050	0.6	0.628	\$174,971	NA
1983	Cotton Leafperforator	313,300	NA	NA	NA	NA	NA	0.057	1.4	0.703	\$147,994	NA
1984	Cotton Leafperforator	479,300	NA	NA	NA	NA	NA	0.051	0.7	0.625	\$181,424	NA
1985	Cotton Leafperforator	415,300	NA	NA	NA	NA	NA	0.050	0.7	0.613	\$152,519	NA
1986	Cotton Leafperforator	³ 322,800	76	41	0.800	\$7.20	10.8	0.124	3.0	0.606	\$297,287	\$2,324,160
1987	Cotton Leafperforator	³ 289,000	67	40	0.800	\$7.20	6.1	0.080	2.4	0.657	\$215,035	\$2,080,800
1988	Cotton Leafperforator	³ 477,000	42	22	0.200	\$1.80	2.8	0.022	0.9	0.704	\$83,053	\$858,600
1989	Cotton Leafperforator	³ 483,500	43	22	0.400	\$3.60	4.7	0.022	0.9	0.785	\$92,234	\$1,740,600
1990	Cotton Leafperforator	³ 472,000	43	24	0.500	\$4.50	4.0	0.024	0.3	0.759	\$87,590	\$2,124,000
1991	Cotton Leafperforator	³ 462,000	44	24	0.500	\$5.00	4.7	0.024	0.6	0.667	\$84,689	\$2,310,000
1992	Cotton Leafperforator	³ 425,000	49	12	0.200	\$2.40	2.0	0.012	0.1	0.569	\$28,744	\$1,020,000
1993	Cotton Leafperforator	³ 371,900	60	7	0.100	\$1.20	1.8	0.063	1.4	0.614	\$163,190	\$446,280
1994	Cotton Leafperforator	³ 312,000	48	24	0.200	\$2.80	2.0	0.120	1.1	0.706	\$318,255	\$873,600
1995	Cotton Leafperforator	³ 412,100	38	4	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Cotton Leafperforator	314,000	23	2	0.022	\$0.26	0.2	0.162	1.6	0.697	\$554,591	\$82,896
1997	Cotton Leafperforator	324,000	21	0	0.004	\$0.06	0.1	0.000	0.0	0.647	\$0	\$18,585
1998	Cotton Leafperforator	248,000	10	0	0.002	\$0.03	0.0	0.000	0.0	0.547	\$0	\$7,440
1999	Cotton Leafperforator	269,000	14	0	0.004	\$0.06	0.2	0.000	0.0	0.439	\$0	\$16,140
2000	Cotton Leafperforator	278,000	12	3	0.032	\$0.38	0.7	0.003	0.1	0.397	\$6,256	\$106,752
2001	Cotton Leafperforator	290,000	15	0	0.000	\$0.00	0.0	0.003	0.0	0.284	\$3,836	\$0
2002	Cotton Leafperforator	213,000	12	0	0.001	\$0.01	0.0	0.000	0.0	0.463	\$0	\$2,616
2003	Cotton Leafperforator	213,000	29	2	0.014	\$0.21	0.3	0.005	0.1	0.664	\$11,453	\$44,730
2004	Cotton Leaf Perforator	238,000	27	0	0.002	\$0.02	0.0	0.002	0.0	0.444	\$4,810	\$5,593
2005	Cotton Leaf Perforator	229,000	11	0	0.001	\$0.02	0.0	0.002	0.0	0.516	\$4,934	\$4,030
2006	Cotton Leaf Perforator	188,000	5	0	0.002	\$0.02	0.1	0.001	0.0	0.525	\$1,359	\$4,291
2007	Cotton Leaf Perforator	168,000	2	0	0.000	N/A	N/A	0.000	0.0	0.600	\$0	N/A
1994	Cutworms	312,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Cutworms	412,100	0	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Cutworms	314,000	0	0	0.003	\$0.03	0.0	0.000	0.0	0.697	\$0	\$10,362
1997	Cutworms	324,000	1	0	0.000	NA	NA	0.000	0.0	0.647	\$0	\$0

1998	Cutworms	248,000	1	0	0.002	\$0.03	0.0	0.000	0.0	0.547	\$0	\$7,440	
1999	Cutworms	269,000	0	0	0.000	NA	NA	0.000	0.0	0.439	\$0	\$0	
2000	Cutworms	278,000	0	0	0.000	NA	NA	0.000	0.0	0.397	\$0	NA	
2001	Cutworms	290,000	0	0	0.000	N/A	N/A	0.000	0.0	0.284	\$0	NA	
2002	Cutworms	213,000	1	0	0.000	N/A	N/A	0.000	0.0	0.463	\$0	NA	
2004	Cutworms	238,000	12	0	0.000	N/A	N/A	0.001	0.0	0.444	\$1,464	N/A	
2005	Cutworms	229,000	1	0	0.001	\$0.01	0.0	0.001	0.0	0.516	\$1,175	\$2,686	
2006	Cutworms	188,000	0	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A	
2007	Cutworms	168,000	5	0	0.000	N/A	N/A	0.000	0.0	0.600	\$0	N/A	
2003	Darkling Beetles	213,000	2	0	0.002	\$0.02	0.0	0	0.0	0.664	\$0	\$5,112	
2004	Darkling Beetles	238,000	4	0	0.000	N/A	N/A	0.001	0.0	0.444	\$1,255	N/A	
2004	European Cornborer	238,000	0	0	0.000	N/A	N/A	0.000	0.0	0.444	\$0	N/A	
2005	European Cornborer	229,000	0	0	0.000	N/A	N/A	0.000	0.0	0.516	\$0	N/A	
2006	European Cornborer	188,000	0	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A	
2007	European Cornborer	168,000	0	0	0.000	N/A	N/A	0.000	0.0	0.600	\$0	N/A	
2003	Fall Armyworm	213,000	9	1	0.002	\$0.02	0.0	0	0.0	0.664	\$694	\$4,260	
2004	Fall Armyworm	238,000	20	1	0.000	N/A	N/A	0.001	0.0	0.444	\$2,300	N/A	
2005	Fall Armyworm	229,000	4	0	0.002	\$0.03	0.0	0.001	0.0	0.516	\$2,350	\$7,786	
2006	Fall Armyworm	188,000	5	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A	
2007	Fall Armyworm	168,000	5	0	0.002	\$0.03	0.1	0.002	0.1	0.600	\$3,222	\$5,848	
1979	Fleahopper	2	618,300	NA	NA	NA	NA	NA	0.000	0.0	0.697	\$0	NA
1980	Fleahopper	2	591,100	NA	NA	NA	NA	NA	0.049	0.9	0.759	\$257,424	NA
1981	Fleahopper	2	632,600	NA	NA	NA	NA	NA	0.020	0.2	0.573	\$88,546	NA
1982	Fleahopper	2	511,600	NA	NA	NA	NA	NA	0.020	0.3	0.628	\$69,988	NA
1983	Fleahopper	2	313,300	NA	NA	NA	NA	NA	0.014	1.4	0.703	\$36,999	NA
1984	Fleahopper	2	479,300	NA	NA	NA	NA	NA	0.009	0.7	0.625	\$30,237	NA
1985	Fleahopper	2	415,300	NA	NA	NA	NA	NA	0.010	0.1	0.613	\$30,504	NA
1986	Fleahopper	322,800	17	3	0.000	\$0.00	0.0	0.000	0.0	0.606	\$661	\$0	
1987	Fleahopper	289,000	20	3	0.000	\$0.00	0.0	0.000	0.0	0.657	\$631	\$0	
1988	Fleahopper	477,000	11	2	0.000	\$0.00	0.0	0.000	0.0	0.704	\$977	\$0	
1989	Fleahopper	483,500	13	2	0.000	\$0.00	0.0	0.000	0.0	0.785	\$1,036	\$0	
1990	Fleahopper	472,000	20	4	0.000	\$0.00	0.0	0.001	0.0	0.759	\$3,128	\$0	
1991	Fleahopper	462,000	27	9	0.100	\$0.90	0.8	0.004	0.0	0.667	\$12,220	\$415,800	
1992	Fleahopper	425,000	49	2	0.000	\$0.00	0.0	0.000	0.0	0.569	\$0	\$0	
1993	Fleahopper	371,900	90	5	0.100	\$1.10	1.6	0.000	0.0	0.614	\$0	\$409,090	
1994	Fleahopper	312,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0	

1995	Fleahopper		412,100	0	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Fleahopper	2	314,000	90	15	0.077	\$0.54	0.5	0.000	0.0	0.697	\$0	\$169,246
1997	Fleahopper	2	324,000	100	3	0.030	\$0.28	0.3	0.000	0.0	0.647	\$0	\$91,465
1998	Fleahopper	2	248,000	101	1	0.007	\$0.06	0.1	0.000	0.0	0.547	\$0	\$13,888
1999	Fleahopper	2	269,000	70	1	0.003	\$0.02	0.1	0.000	0.0	0.439	\$0	\$6,456
2000	Fleahopper		278,000	70	3	0.017	\$0.14	0.2	0.140	2.6	0.397	\$277,287	\$37,808
2001	Fleahopper		290,000	38	1	0.007	\$0.04	0.1	0.014	0.2	0.284	\$18,329	\$12,180
2002	Fleahopper		213,000	90	2	0.010	\$0.08	0.1	0.000	0.0	0.463	\$0	\$17,040
2003	Fleahopper		213,000	74	11	0.059	\$0.62	0.7	0.134	2.3	0.664	\$315,490	\$131,954
2004	Fleahopper		238,000	77	13	0.101	\$1.05	2.0	0.183	3.6	0.444	\$358,233	\$249,755
2005	Fleahopper		229,000	48	13	0.051	\$0.35	0.3	0.070	0.8	0.516	\$147,321	\$80,001
2006	Fleahopper		188,000	45	2	0.014	\$0.14	0.4	0.027	1.2	0.525	\$47,763	\$26,400
2007	Fleahopper		168,000	79	5	0.023	\$0.25	0.9	0.014	0.9	0.600	\$24,877	\$42,568
1992	Grasshopper		425,000	1	0	0.000	\$0.00	0.0	0.000	0.0	0.569	\$0	\$0
1993	Grasshopper		371,900	10	0	0.000	\$0.00	0.0	0.000	0.0	0.614	\$0	\$0
1994	Grasshopper		312,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Grasshopper		412,100	0	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Grasshopper		314,000	0	0	0.000	\$0.00	0.0	0.000	0.0	0.697	\$0	\$0
1997	Grasshopper		324,000	6	0	0.000	NA	NA	0.000	0.0	0.647	\$0	\$0
1998	Grasshopper		248,000	12	1	0.010	\$0.12	0.1	0.000	0.0	0.547	\$0	\$29,760
1999	Grasshopper		269,000	5	0	0.000	NA	NA	0.000	0.0	0.439	\$0	\$0
2000	Grasshopper		278,000	0	0	0.000	NA	NA	0.000	0.0	0.397	\$0	NA
2001	Grasshopper		290,000	0	0	0.000	N/A	N/A	0.000	0.0	0.284	\$0	NA
2002	Grasshopper		213,000	54	0	0.000	N/A	N/A	0.000	0.0	0.463	\$0	NA
2003	Grasshopper		213,000	2	0	0.000	N/A	N/A	0	0.0	0.664	\$0	N/A
2004	Grasshoppers		238,000	35	4	0.019	\$0.28	0.5	0.021	0.4	0.444	\$41,616	\$66,247
2005	Grasshoppers		229,000	8	0	0.001	\$0.02	0.0	0.014	0.2	0.516	\$29,605	\$4,122
2006	Grasshoppers		188,000	21	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A
2007	Grasshoppers		168,000	14	0	0.005	\$0.06	0.2	0.000	0.0	0.600	\$40	\$10,721
2004	Loopers		238,000	31	2	0.007	\$0.07	0.1	0.011	0.2	0.444	\$21,122	\$16,660
2005	Loopers		229,000	6	0	0.004	\$0.05	0.0	0.001	0.0	0.516	\$1,175	\$10,992
2006	Loopers		188,000	26	1	0.008	\$0.15	0.5	0.000	0.0	0.525	\$259	\$28,308
2007	Loopers		168,000	15	0	0.000	N/A	N/A	0.000	0.0	0.600	\$0	N/A
1979	Lygus bugs	6	618,300	NA	NA	NA	NA	NA	0.300	46.2	0.697	\$1,382,683	NA
1980	Lygus bugs	6	591,100	NA	NA	NA	NA	NA	2.000	36.3	0.759	\$10,407,302	NA
1981	Lygus bugs	6	632,600	NA	NA	NA	NA	NA	1.290	16.0	0.573	\$5,712,670	NA

1982	Lygus bugs	6	511,600	NA	NA	NA	NA	NA	1.300	16.6	0.628	\$4,549,242	NA
1983	Lygus bugs	6	313,300	NA	NA	NA	NA	NA	1.214	16.2	0.703	\$3,144,878	NA
1984	Lygus bugs	6	479,300	NA	NA	NA	NA	NA	1.200	16.9	0.625	\$4,263,457	NA
1985	Lygus bugs	6	415,300	NA	NA	NA	NA	NA	1.100	16.0	0.613	\$3,355,425	NA
1986	Lygus bugs		322,800	83	62	1.200	\$10.80	16.2	0.745	18.4	0.606	\$1,783,724	\$3,486,240
1987	Lygus bugs		289,000	87	64	1.200	\$10.80	9.1	0.634	18.6	0.657	\$1,703,569	\$3,121,200
1988	Lygus bugs		477,000	60	40	0.800	\$7.20	11.3	0.319	15.1	0.704	\$1,195,966	\$3,434,400
1989	Lygus bugs		483,500	59	41	0.800	\$7.20	9.4	0.412	17.6	0.785	\$1,750,375	\$3,481,200
1990	Lygus bugs		472,000	87	63	1.900	\$17.10	15.1	0.945	15.8	0.759	\$3,465,033	\$8,071,200
1991	Lygus bugs		462,000	93	82	3.300	\$33.00	31.1	1.640	51.7	0.667	\$5,695,793	\$15,246,000
1992	Lygus bugs		425,000	98	24	0.500	\$5.00	4.1	0.122	1.2	0.569	\$287,442	\$2,125,000
1993	Lygus bugs		371,900	90	5	0.200	\$2.60	3.8	0.500	11.6	0.614	\$1,294,831	\$966,940
1994	Lygus bugs		312,000	100	80	1.200	\$14.40	10.4	4.812	45.5	0.706	\$12,729,837	\$4,492,800
1995	Lygus bugs		412,100	100	90	2.300	\$27.60	12.7	6.085	70.0	0.767	\$19,344,399	\$11,373,960
1996	Lygus bugs		314,000	100	50	1.262	\$25.24	22.7	4.750	47.5	0.697	\$16,253,807	\$7,925,360
1997	Lygus bugs		324,000	100	91	2.097	\$37.66	35.0	2.630	41.4	0.647	\$8,301,775	\$12,202,527
1998	Lygus bugs		248,000	101	93	2.760	\$55.20	53.4	7.000	78.3	0.547	\$14,716,807	\$13,689,600
1999	Lygus bugs		269,000	100	51	1.019	\$19.97	53.7	3.323	72.9	0.439	\$6,004,086	\$5,372,576
2000	Lygus bugs		278,000	100	54	1.006	\$20.78	36.8	3.105	57.7	0.397	\$6,147,326	\$5,777,941
2001	Lygus bugs		290,000	99	75	1.417	\$22.12	35.4	4.614	62.0	0.284	\$6,074,567	\$6,414,617
2002	Lygus bugs		213,000	99	65	1.092	\$17.47	27.1	2.911	60.2	0.463	\$5,088,847	\$3,721,536
2003	Lygus bugs		213,000	96	86	1.962	\$34.14	40.7	3.475	60.5	0.664	\$8,191,624	\$7,271,564
2004	Lygus		238,000	91	69	0.827	\$12.50	23.5	2.126	41.5	0.444	\$4,157,633	\$2,974,041
2005	Lygus		229,000	93	83	1.583	\$26.99	25.7	4.191	48.2	0.516	\$8,826,128	\$6,180,744
2006	Lygus		188,000	60	26	0.256	\$4.48	14.3	0.846	36.5	0.525	\$1,506,468	\$842,463
2007	Lygus		168,000	77	60	0.680	\$12.92	47.9	0.775	50.3	0.600	\$1,378,125	\$2,170,598
1986	Minor Pests	d	322,800	34	28	0.800	\$7.20	10.8	0.028	0.5	0.606	\$66,064	\$2,324,160
1987	Minor Pests		289,000	60	50	2.000	\$18.00	15.2	0.050	1.5	0.657	\$134,318	\$5,202,000
1991	Minor Pests	d	462,000	62	51	1.800	\$25.20	23.8	0.306	9.8	0.667	\$1,062,313	\$11,642,400
1988	New Pests	d	477,000	44	31	0.600	\$6.00	9.4	0.025	0.9	0.704	\$93,150	\$2,862,000
1989	New Pests	f	483,500	9	4	0.100	\$0.90	1.2	0.004	0.0	0.785	\$18,309	\$435,150
1979	Others	a	618,300	NA	NA	NA	NA	NA	0.050	7.7	0.697	\$228,740	NA
1980	Others	b,c	591,100	NA	NA	NA	NA	NA	0.149	2.7	0.759	\$775,951	NA
1981	Others	b,c,d	632,600	NA	NA	NA	NA	NA	1.129	13.5	0.573	\$4,998,586	NA
		a,d,		NA	NA	NA	NA	NA			0.628	\$2,274,621	NA
1982	Others	e	511,600						0.650	8.3			

1983	Others	b,c,d	313,300	NA	NA	NA	NA	NA	0.703	\$1,442,944	NA		
				NA	NA	NA	NA	NA	0.557	8.1	NA		
				NA	NA	NA	NA	NA	0.625	\$514,034	NA		
1984	Others	b,c,d	479,300						0.145	1.4			
1985	Others	b,c	415,300	NA	NA	NA	NA	NA	1.300	18.9	0.613	\$3,965,502	NA
2005	Pale-sided Flea Beetles		229,000	5	0	0.002	\$0.03	0.0	0.000	0.0	0.516	\$0	\$6,870
2006	Pale-sided Flea Beetles		188,000	0	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A
2007	Pale-sided Flea Beetles		168,000	0	0	0.000	N/A	N/A	0.000	0.0	0.600	\$0	N/A
1979	Pink bollworm		618,300	NA	NA	NA	NA	NA	0.200	30.8	0.697	\$921,789	NA
1980	Pink bollworm		591,100	NA	NA	NA	NA	NA	2.000	36.3	0.759	\$10,407,302	NA
1981	Pink bollworm		632,600	NA	NA	NA	NA	NA	2.903	35.6	0.573	\$12,853,506	NA
1982	Pink bollworm		511,600	NA	NA	NA	NA	NA	3.100	39.6	0.628	\$10,848,193	NA
1983	Pink bollworm		313,300	NA	NA	NA	NA	NA	3.514	47.3	0.703	\$9,101,648	NA
1984	Pink bollworm		479,300	NA	NA	NA	NA	NA	3.702	52.1	0.625	\$13,153,219	NA
1985	Pink bollworm		415,300	NA	NA	NA	NA	NA	2.600	37.8	0.613	\$7,931,004	NA
1986	Pink bollworm		322,800	93	90	1.700	\$15.30	23.0	2.600	64.5	0.606	\$6,226,519	\$4,938,840
1987	Pink bollworm		289,000	100	97	5.800	\$52.20	44.2	2.130	63.0	0.657	\$5,720,498	\$15,085,800
1988	Pink bollworm		477,000	73	62	2.500	\$22.50	35.4	1.180	55.7	0.704	\$4,418,432	\$10,732,500
1989	Pink bollworm		483,500	70	63	3.200	\$28.80	37.5	1.320	56.7	0.785	\$5,610,043	\$13,924,800
1990	Pink bollworm		472,000	91	85	6.800	\$68.00	60.0	4.490	74.8	0.759	\$16,464,554	\$32,096,000
1991	Pink bollworm		462,000	84	62	2.500	\$25.00	23.6	0.931	29.3	0.667	\$3,232,694	\$11,550,000
1992	Pink bollworm		425,000	104	37	1.100	\$11.00	9.1	0.732	7.4	0.569	\$1,724,932	\$4,675,000
1993	Pink bollworm		371,900	90	5	0.100	\$1.20	1.8	0.045	1.2	0.614	\$116,688	\$446,280
1994	Pink bollworm		312,000	96	96	2.900	\$29.00	21.0	3.850	36.4	0.706	\$10,183,801	\$9,048,000
1995	Pink bollworm		412,100	100	95	2.900	\$34.80	16.0	1.189	13.7	0.767	\$3,781,283	\$14,341,080
1996	Pink bollworm		314,000	92	49	1.728	\$20.74	18.6	2.768	27.7	0.697	\$9,473,333	\$6,511,104
1997	Pink bollworm		324,000	97	30	0.912	\$10.99	10.2	2.626	41.3	0.647	\$8,289,494	\$3,560,630
1998	Pink bollworm		248,000	80	25	0.375	\$5.97	5.8	0.800	9.0	0.547	\$1,681,921	\$1,480,560
1999	Pink bollworm		269,000	85	13	0.336	\$4.03	10.8	0.987	21.7	0.439	\$1,782,750	\$1,084,608
2000	Pink bollworm		278,000	88	22	0.559	\$8.72	15.4	1.139	21.2	0.397	\$2,255,627	\$2,424,271
2001	Pink bollworm		290,000	99	19	0.425	\$5.88	9.4	1.233	16.6	0.284	\$1,623,361	\$1,704,548
2002	Pink bollworm		213,000	97	28	0.672	\$9.41	14.6	0.963	19.9	0.463	\$1,684,337	\$2,003,904
2003	Pink bollworm		213,000	90	18	0.420	\$6.43	7.7	0.61	10.6	0.664	\$1,438,619	\$1,369,633
2004	Pink Bollworm		238,000	50	12	0.329	\$4.34	8.1	0.582	11.4	0.444	\$1,138,691	\$1,032,020
2005	Pink Bollworm		229,000	43	18	0.670	\$9.78	9.3	0.645	7.4	0.516	\$1,357,378	\$2,238,544
2006	Pink Bollworm		188,000	19	3	0.068	\$1.19	3.8	0.282	12.2	0.525	\$502,168	\$223,813

2007	Pink Bollworm	168,000	19	1	0.010	\$0.18	0.7	0.022	1.4	0.600	\$39,560	\$29,552
1992	Saltmarsh Caterpillars	425,000	24	0	0.000	\$0.00	0.0	0.000	0.0	0.569	\$0	\$0
1993	Saltmarsh Caterpillars	371,900	60	10	0.100	\$1.20	1.8	0.090	2.1	0.614	\$233,087	\$446,280
1994	Saltmarsh Caterpillars	312,000	32	6	0.100	\$1.00	0.7	0.000	0.0	0.706	\$0	\$312,000
1995	Saltmarsh Caterpillars	412,100	63	8	0.100	\$1.00	0.5	0.000	0.0	0.767	\$0	\$412,100
1996	Saltmarsh Caterpillars	314,000	12	0	0.004	\$0.05	0.0	0.000	0.0	0.697	\$0	\$15,700
1997	Saltmarsh Caterpillars	324,000	18	1	0.012	\$0.14	0.1	0.000	0.0	0.647	\$0	\$46,850
1998	Saltmarsh Caterpillars	248,000	16	1	0.008	\$0.12	0.1	0.000	0.0	0.547	\$0	\$28,768
1999	Saltmarsh Caterpillars	269,000	17	0	0.000	NA	NA	0.000	0.0	0.439	\$0	\$0
2000	Saltmarsh Caterpillars	278,000	9	1	0.011	\$0.17	0.3	0.000	0.0	0.397	\$0	\$45,870
2001	Saltmarsh Caterpillars	290,000	4	0	0.000	N/A	N/A	0.000	0.0	0.284	\$0	NA
2002	Saltmarsh Caterpillars	213,000	34	12	0.150	\$2.70	4.2	0.066	1.4	0.463	\$115,521	\$575,100
2003	Saltmarsh Caterpillars	213,000	15	0	0.000	N/A	N/A	0.001	0.0	0.664	\$1,735	N/A
2004	Saltmarsh Caterpillars	238,000	35	6	0.055	\$0.69	1.3	0.028	0.5	0.444	\$55,000	\$165,065
2005	Saltmarsh Caterpillars	229,000	13	2	0.006	\$0.04	0.0	0.016	0.2	0.516	\$32,895	\$8,766
2006	Saltmarsh Caterpillars	188,000	30	1	0.009	\$0.13	0.4	0.004	0.2	0.525	\$6,593	\$23,525
2007	Saltmarsh Caterpillars	168,000	44	9	0.088	\$1.31	4.9	0.035	2.3	0.600	\$61,959	\$220,838
1979	Spider Mite	618,300	NA	NA	NA	NA	NA	0.000	0.0	0.697	\$0	NA
1980	Spider Mite	591,100	NA	NA	NA	NA	NA	0.100	1.8	0.759	\$518,526	NA
1981	Spider Mite	632,600	NA	NA	NA	NA	NA	0.277	3.7	0.573	\$1,228,224	NA
1982	Spider Mite	511,600	NA	NA	NA	NA	NA	0.200	2.6	0.628	\$699,883	NA
1983	Spider Mite	313,300	NA	NA	NA	NA	NA	0.100	1.4	0.703	\$258,990	NA
1984	Spider Mite	479,300	NA	NA	NA	NA	NA	0.102	1.4	0.625	\$362,847	NA
1985	Spider Mite	415,300	NA	NA	NA	NA	NA	0.400	5.8	0.613	\$1,220,154	NA
1986	Spider Mite	322,800	62	34	0.600	\$6.00	9.0	0.138	3.2	0.606	\$330,319	\$1,936,800
1987	Spider Mite	289,000	67	40	0.800	\$9.60	8.1	0.160	4.7	0.657	\$430,385	\$2,774,400
1988	Spider Mite	477,000	44	27	0.500	\$6.00	9.4	0.080	3.8	0.704	\$298,992	\$2,862,000
1989	Spider Mite	483,500	30	20	0.200	\$2.40	3.1	0.039	1.7	0.785	\$165,814	\$1,160,400
1990	Spider Mite	472,000	13	7	0.100	\$1.20	1.1	0.005	0.2	0.759	\$19,117	\$566,400
1991	Spider Mite	462,000	20	11	0.200	\$2.80	2.6	0.011	0.3	0.667	\$38,366	\$1,293,600
1992	Spider Mite	425,000	1	0	0.000	\$0.00	0.0	0.000	0.0	0.569	\$0	\$0
1993	Spider Mite	371,900	5	2	0.000	\$0.00	0.0	0.000	0.0	0.614	\$0	\$0
1994	Spider Mite	312,000	6	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Spider Mite	412,100	3	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Spider Mite	314,000	2	1	0.009	\$0.10	0.1	0.000	0.0	0.697	\$0	\$31,086
1997	Spider Mite	324,000	4	0	0.004	\$0.07	0.1	0.000	0.0	0.647	\$0	\$23,328

1998	Spider Mite	248,000	20	2	0.020	\$0.36	0.3	0.120	1.3	0.547	\$252,288	\$89,280
1999	Spider Mite	269,000	25	0	0.003	\$0.05	0.1	0.002	0.0	0.439	\$4,416	\$13,316
2000	Spider Mite	278,000	25	5	0.050	\$0.75	1.3	0.023	0.4	0.397	\$46,013	\$208,500
2001	Spider Mite	290,000	17	1	0.013	\$0.23	0.4	0.014	0.2	0.284	\$18,329	\$65,975
2002	Spider Mite	213,000	26	5	0.049	\$0.80	1.2	0.030	0.6	0.463	\$52,491	\$170,958
2003	Spider Mite	213,000	27	11	0.102	\$1.83	2.2	0.037	0.6	0.664	\$87,115	\$389,982
2004	Spider Mites	238,000	32	9	0.086	\$1.61	3.0	0.126	2.5	0.444	\$245,723	\$383,366
2005	Spider Mites	229,000	25	14	0.141	\$3.63	3.5	0.168	1.9	0.516	\$354,323	\$831,119
2006	Spider Mites	188,000	21	5	0.050	\$1.05	3.4	0.063	2.7	0.525	\$112,294	\$198,121
2007	Spider Mites	168,000	19	5	0.053	\$1.13	4.2	0.011	0.7	0.600	\$19,719	\$190,444
1992	Stink bug	425,000	104	12	0.200	\$2.40	2.0	0.037	0.4	0.569	\$86,233	\$1,020,000
1993	Stink bug	371,900	70	1	0.000	\$0.00	0.0	0.000	0.0	0.614	\$0	\$0
1994	Stink bug	312,000	13	0	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Stink bug	412,100	25	0	0.000	\$0.00	0.0	0.000	0.0	0.767	\$0	\$0
1996	Stink bug	314,000	15	2	0.019	\$0.29	0.3	0.015	0.2	0.697	\$52,722	\$89,490
1997	Stink bug	324,000	30	3	0.030	\$0.45	0.4	0.030	0.5	0.647	\$96,097	\$145,800
1998	Stink bug	248,000	10	3	0.030	\$0.39	0.4	0.020	0.2	0.547	\$42,048	\$96,720
1999	Stink bug	269,000	9	1	0.007	\$0.09	0.2	0.001	0.0	0.439	\$1,717	\$24,479
2000	Stink bug	278,000	10	2	0.015	\$0.31	0.5	0.015	0.3	0.397	\$30,070	\$85,485
2001	Stink bug	290,000	10	2	0.015	\$0.21	0.3	0.004	0.1	0.284	\$4,831	\$60,726
2002	Stink bug	213,000	40	1	0.003	\$0.04	0.1	0.040	0.8	0.463	\$69,987	\$8,818
2003	Stink bug	213,000	54	13	0.105	\$1.38	1.6	0.144	2.5	0.664	\$339,091	\$292,982
2004	Stink Bugs	238,000	56	13	0.075	\$1.05	2.0	0.149	2.9	0.444	\$292,149	\$250,971
2005	Stink Bugs	229,000	44	18	0.179	\$2.54	2.4	0.110	1.3	0.516	\$230,968	\$581,662
2006	Stink Bugs	188,000	40	0	0.003	\$0.06	0.2	0.097	4.2	0.525	\$173,100	\$11,133
2007	Stink Bugs	168,000	37	2	0.016	\$0.21	0.8	0.035	2.3	0.600	\$62,479	\$35,380
2003	Striped Flea Beetle	213,000	95	2	0.008	\$0.10	0.1	0	0.0	0.664	\$0	\$20,448
1979	Thrips	618,300	NA	NA	NA	NA	NA	0.000	0.0	0.697	\$0	NA
1980	Thrips	591,100	NA	NA	NA	NA	NA	0.000	0.0	0.759	\$0	NA
1981	Thrips	632,600	NA	NA	NA	NA	NA	0.000	0.0	0.573	\$0	NA
1982	Thrips	511,600	NA	NA	NA	NA	NA	0.000	0.0	0.628	\$0	NA
1983	Thrips	313,300	NA	NA	NA	NA	NA	0.000	0.0	0.703	\$0	NA
1984	Thrips	479,300	NA	NA	NA	NA	NA	0.000	0.0	0.625	\$0	NA
1985	Thrips	415,300	NA	NA	NA	NA	NA	0.020	0.3	0.613	\$61,008	NA
1986	Thrips	322,800	95	10	0.100	\$0.70	1.1	0.021	0.5	0.606	\$49,548	\$225,960
1987	Thrips	289,000	100	7	0.000	\$0.00	0.0	0.001	0.0	0.657	\$1,577	\$0

1988	Thrips		477,000	78	4	0.000	\$0.00	0.0	0.000	0.0	0.704	\$1,628	\$0
1989	Thrips	5	483,500	76	7	0.100	\$0.70	0.9	0.001	0.0	0.785	\$2,764	\$338,450
1990	Thrips	5	472,000	78	8	0.100	\$0.70	0.6	0.001	0.0	0.759	\$2,781	\$330,400
1991	Thrips	5	462,000	84	9	0.100	\$0.80	0.8	0.001	0.0	0.667	\$3,126	\$369,600
1992	Thrips	5	425,000	104	1	0.000	\$0.00	0.0	0.000	0.0	0.569	\$0	\$0
1993	Thrips	5	371,900	100	10	0.100	\$3.00	4.4	0.090	2.1	0.614	\$233,087	\$1,115,700
1994	Thrips	5	312,000	100	5	0.000	\$0.00	0.0	0.000	0.0	0.706	\$0	\$0
1995	Thrips	5	412,100	100	8	0.100	\$0.60	0.3	0.000	0.0	0.767	\$0	\$247,260
1996	Thrips	5	314,000	100	31	0.309	\$2.78	2.5	0.100	1.0	0.697	\$342,353	\$873,234
1997	Thrips	5	324,000	100	20	0.201	\$1.80	1.7	0.000	0.0	0.647	\$0	\$584,162
1998	Thrips	5	248,000	101	17	0.170	\$1.47	1.4	0.300	3.4	0.547	\$630,720	\$365,527
1999	Thrips	5	269,000	100	2	0.017	\$0.15	0.4	0.031	0.7	0.439	\$55,941	\$41,157
2000	Thrips	5	278,000	100	8	0.080	\$1.01	1.8	0.093	1.7	0.397	\$184,050	\$281,781
2001	Thrips	5	290,000	100	4	0.040	\$0.47	0.7	0.006	0.1	0.284	\$7,531	\$135,372
2002	Thrips	5	213,000	46	5	0.027	\$0.26	0.4	0.043	0.9	0.463	\$75,468	\$56,360
2003	Thrips	5	213,000	83	16	0.131	\$1.28	1.5	0.154	2.7	0.664	\$363,386	\$272,891
2004	Thrips		238,000	93	13	0.075	\$0.60	1.1	0.093	1.8	0.444	\$180,894	\$142,800
2005	Thrips		229,000	80	14	0.129	\$1.58	1.5	0.171	2.0	0.516	\$360,902	\$361,877
2006	Thrips		188,000	99	11	0.111	\$1.17	3.7	0.349	15.0	0.525	\$620,999	\$219,463
2007	Thrips		168,000	100	9	0.077	\$0.77	2.8	0.050	3.2	0.600	\$88,917	\$129,018
1989	Whitefly	9,10	483,500	43	41	1.200	\$14.40	18.8	0.206	9.0	0.785	\$875,015	\$6,962,400
1990	Whitefly		472,000	61	50	1.000	\$12.00	10.6	0.300	5.0	0.759	\$1,099,398	\$5,664,000
1992	Whitefly	4	425,000	98	85	5.100	\$91.80	75.8	8.540	87.0	0.569	\$20,125,136	\$39,015,000
1993	Whitefly	4	371,900	75	66	2.600	\$52.00	76.1	3.258	75.5	0.614	\$8,438,209	\$19,338,800
1994	Whitefly	4	312,000	96	88	4.400	\$88.00	63.7	1.765	16.6	0.706	\$4,667,734	\$27,456,000
1995	Whitefly	4	412,100	88	88	6.600	\$145.20	66.9	1.315	15.1	0.767	\$4,179,449	\$59,836,920
1996	Whitefly	4	314,000	94	73	1.995	\$57.86	52.0	2.111	21.1	0.697	\$7,223,877	\$18,166,470
1997	Whitefly	4	324,000	94	85	1.813	\$52.72	49.0	1.027	16.2	0.647	\$3,241,806	\$17,081,941
1998	Whitefly	4	248,000	93	75	1.050	\$35.70	34.5	0.276	3.1	0.547	\$580,263	\$8,853,600
1999	Whitefly	4	269,000	92	40	0.400	\$10.91	29.3	0.174	3.8	0.439	\$314,545	\$2,935,328
2000	Whitefly	4	278,000	94	50	0.661	\$19.29	34.1	0.521	9.7	0.397	\$1,033,064	\$5,362,058
2001	Whitefly	4	290,000	99	63	1.059	\$31.94	51.2	1.497	20.1	0.284	\$1,971,051	\$9,262,438
2002	Whitefly	4	213,000	99	85	1.105	\$30.22	46.9	0.535	11.1	0.463	\$934,923	\$6,437,233
2003	Whitefly		213,000	97	82	1.318	\$36.28	43.2	0.991	17.2	0.664	\$2,336,497	\$7,728,607
2004	Whitefly		238,000	99	75	0.975	\$29.40	55.2	1.565	30.6	0.444	\$3,060,140	\$6,996,308
2005	Whitefly		229,000	94	83	2.072	\$58.22	55.5	3.172	36.5	0.516	\$6,679,277	\$13,333,113

2006	Whitefly	188,000	81	53	0.789	\$22.18	70.6	0.578	24.9	0.525	\$1,029,530	\$4,169,096
2007	Whitefly	168,000	115	48	0.363	\$9.08	33.7	0.541	35.1	0.600	\$961,621	\$1,525,607
2002	Yellowstriped Armyworms	213,000	18	4	0.025	\$0.41	0.6	0.036	0.7	0.463	\$63,031	\$86,585
2003	Yellowstriped Armyworms	213,000	1	0	0.000	\$0.00	0.0	0	0.0	0.664	\$0	\$0
2004	Yellowstriped Armyworms	238,000	20	2	0.002	\$0.02	0.0	0.005	0.1	0.444	\$10,038	\$5,712
2005	Yellowstriped Armyworms	229,000	1	0	0.000	N/A	N/A	0.000	0.0	0.516	\$0	N/A
2006	Yellowstriped Armyworms	188,000	0	0	0.000	N/A	N/A	0.000	0.0	0.525	\$0	N/A
2007	Yellowstriped Armyworms	168,000	0	0	0.000	N/A	N/A	0.000	0.0	0.600	\$0	N/A

- a Fall Armyworm
- b Beet Armyworm
- c Stink Bug
- d Whitefly
- e Yellowstriped Armyworm
- f Mealybug
- g Cotton Leafperforator
- 1 Originally recorded as Armyworm (*Spodoptera exigua*, *Spodoptera* spp.)
- 2 Originally recorded as Cotton Fleahopper
- 3 Originally recorded as Leaf perforator
- 4 Combined Bandedwing and Sweet Potato Whitefly figures (*Trialeurodes abutilonea*, *Bemisia* spp.)
- 5 Western Flower Thrips and Other Species
- 6 Originally recorded as *Lygus* spp. and other plant bugs
- 7 From 1981 University of Arizona Cotton Report p. 22
- 8 Calculated from cost per application provided by the University of Arizona's Pinal County Crop Budgets
- 9 Check the "Others" category in missing years for this pest
- 10 Check the "Minor Pests" category in missing years for this pest
- * NASS: National Agricultural Statistics Service (<http://www.nass.usda.gov:81/ipedb/>)
- ** Data for this year are based on NASS's preliminary data
- NA Not Available

Notations:

Arizona has historically grown two species of cotton (Pima and Upland). The Cotton Insect Loss reports used to produce this table did not always explicitly state which species were being reported. From a review of the data provided we concluded that both Upland and Pima acres were included in all years except 1987, 1994, and 1996-present, when Upland acres, only were reported.

For most years, rates of insect infestation and treatment in the Cotton Insect Loss survey were based on planted acres. In most years in Arizona, virtually all planted acres are taken to harvest. However, in those years when harvested acres are less than planted acres, some calculated percentages may exceed 100 slightly.

References:

- Hammer et al. 1980. Report of the Cotton Insect Loss Committee of the Thirty-Third Annual Conference on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. p. 139.
- Hammer et al. 1981. Report of the Cotton Insect Loss Committee of the Thirty-Fourth Annual Conference on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. p. 136.
- Head et al. 1982. Report of the Cotton Insect Loss Committee of the Thirty-Fifth Annual Conference on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. p. 182.

1983

- Head et al. 1984. Report of the Cotton Insect Loss Committee of the Thirty-Seventh Annual Conference on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. p. 180.
- Head et al. 1985. Report of the Cotton Insect Loss Committee of the Thirty-Eighth Annual Conference on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. p. 120.
- King et al. 1986. 39th Annual Conference Report on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 126-135.
- King et al. 1987. 40th Annual Conference Report on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 170-192.
- King et al. 1988. 41st Annual Conference Report on Cotton Insect Research and Control. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 188-202.
- Head et al. 1989. Cotton Insect Losses - 1988. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 193-197.
- Head et al. 1990. Cotton Insect Losses - 1989. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 157-162.
- Head et al. 1991. Cotton Insect Losses - 1990. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 602-607.
- Head et al. 1992. Cotton Insect Losses 1991. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 621-625.

Head et al. 1993. Cotton Insect Losses, 1992. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 655-660.

Williams et al. 1994. Cotton Insect Losses 1993. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 743-762.

Williams et al. 1995. Cotton Insect Losses 1994. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 746-756.

Williams et al. 1996. Cotton Insect Losses 1995. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 670-689.

Williams et al. 1997. Cotton Insect Losses 1996. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 834-853.

Williams et al. 1998. Cotton Insect Losses 1997. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 904-925.

Williams et al. 1999. Cotton Insect Losses 1998. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference. pp. 887-913.

Williams et al. 2002. Cotton Insect Losses - 2000. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference.

Williams et al. 2002. Cotton Insect Losses - 2001. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference.

Williams et al. 2003. Cotton Insect Losses 2002. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference.

Williams et al. 2004. Cotton Insect Losses 2003. In Proceedings. Beltwide Cotton Conferences, Cotton Insect Research and Control Conference.

Web source: <http://www.msstate.edu/Entomology/Cotton.html>

Information is derived from Arizona Web Publication No. AZ1183, located at <http://ag.arizona.edu/crops/cotton/insects/cil/cil.html>