

PINK BOLLWORM PROGRAM
SILVERLEAF WHITEFLY REPORT
FOR THE SAN JOAQUIN VALLEY

4th Report

2006



SILVERLEAF WHITEFLY REPORT - No. 4
Sampling Period: 8/14/06 - 8/25/06
Prepared by: Daniel F. Keaveny

Kern County:

One hundred percent of the 89 sample sites were surveyed. Fifty-eight of the sites sampled (65.2%) were positive for silverleaf whitefly (SLWF) and forty-five of the sites (50.6%) were positive for aphids. Thirty-one of the positive sites (53.4%) had leaves in the 1 - 5 nymphs/leaf range only, twenty-five sites (43.1%) had leaves in the 6 - 49 nymphs/leaf range, and two sites (3.4%) had leaves in the 50 or more nymphs/leaf range. Mites were found at thirty-seven sites (41.6%), armyworm was present at six sites (6.7%), and there were four sites (4.5%) with other whitefly species present.

Kings County:

One hundred percent of the 72 sample sites were surveyed. Thirty-two of the sites sampled (44.4%) were positive for SLWF and thirty-four of the sites (47.2%) were positive for aphids. Twenty-seven of the positive sites (84.4%) had leaves in the 1 - 5 nymphs/leaf range, three sites (9.4%) had leaves in the 6 - 49 nymphs/leaf range, and two site (6.3%) had leaves in the 50 or more nymphs/leaf range. Thirty-four sites (47.2%) had leaves infested with mites, thirteen sites (18.1%) had armyworm, and two of the sites (2.8%) had other whitefly species present.

Tulare County:

One hundred percent of the 57 sample sites were surveyed. Forty-one sites (71.9%) were positive for SLWF and twenty-three sites (40.4%) were positive for aphids. Thirty-one of the positive sites (75.6%) had leaves in the 1 - 5 nymphs/leaf range, eight sites (19.5%) had leaves in the 6 - 49 nymphs/leaf range, and two of the sites (4.9%) had leaves in the 50 or more nymphs/leaf range. There were twenty-six sites (45.6%) infested with mites, nineteen sites (33.3%) with armyworm, and one site (1.8%) had other whitefly species present.

Fresno County:

Samples were submitted from 100 of the 125 sample sites (80.0%). Sixteen sites (16.0%) were positive for SLWF and thirty-five sites (35.0%) were positive for aphids. Eleven of the positive sites (68.8%) had leaves in the 1 - 5 nymphs/leaf range, three sites (18.8%) had leaves in the 6 - 49 nymphs/leaf range, and two sites (12.5%) had leaves in the 50 or more nymphs/leaf range. Sixty sites (60.0%) were infested with mites, twelve sites (12.0%) had armyworm, and eighteen sites (18.0%) had other whitefly species present.

Madera County:

Samples were submitted from one hundred percent of the 13 sample sites. One of the thirteen sites sampled (7.7%) was positive for SLWF and six sites (46.2%) were positive for aphids. The one positive site had leaves in the 1 - 5 nymphs/leaf range only. Ten sites (76.9%) were infested with mites, one site (7.7%) had armyworm, and two of the sites (15.4%) had leaves with other whitefly species.

Merced County:

Samples were submitted from one hundred percent of the 29 sample sites. Five of the sites (17.2%) were positive for SLWF and ten sites (34.5%) were positive for aphids. All of the positive sites had leaves in the 1 - 5 nymphs/leaf range only. Seventeen sites (58.6%) had leaves infested with mites, five of the sites (17.2%) had armyworm, and fourteen sites (48.3%) had other whitefly species present.

SLWF Leaf Counts – 4th Round

8/28/06 to 9/08/06

NO. LEAVES IN EACH RANGE OF NYMPHS PER LEAF							
COUNTY	SAMPLE SITES	0	1-5	6-49	50+	NO. LEAVES	NEW SITES INFESTED
KERN	89	588	210	82	10	890	9
KINGS	72	599	104	15	2	720	14
TULARE	57	374	159	33	4	570	7
FRESNO	100	939	37	14	10	1000	6
MADERA	13	129	1	0	0	130	1
MERCED	29	278	12	0	0	290	4
TOTALS	360	2,907	523	144	26	3,600	41

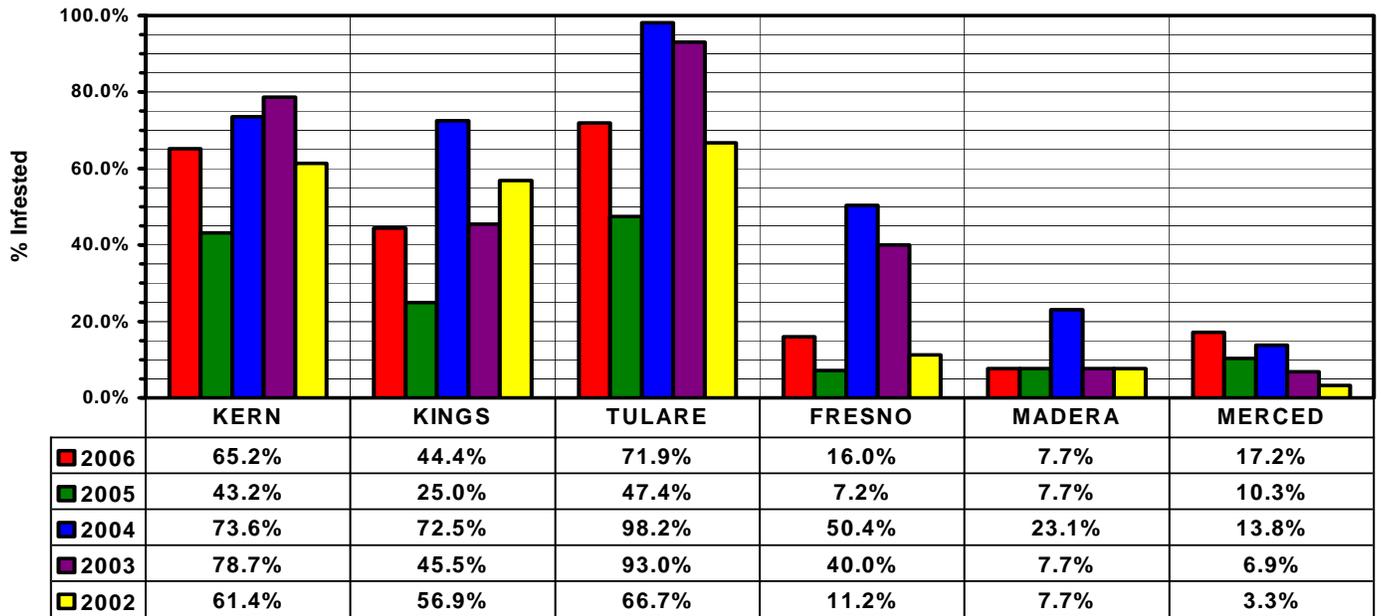
APHID Leaf Counts – 4th Round

8/28/06 to 9/08/06

NO. LEAVES IN EACH RANGE OF APHIDS PER LEAF							
COUNTY	SAMPLE SITES	0	1-5	6-49	50+	NO. LEAVES	NEW SITES INFESTED
KERN	89	618	136	114	22	890	0
KINGS	72	586	76	36	22	720	12
TULARE	57	469	63	29	9	570	5
FRESNO	100	856	75	47	22	1,000	16
MADERA	13	86	7	22	15	130	1
MERCED	29	259	20	7	4	290	5
TOTALS	360	2,874	377	255	94	3,600	39

**% Sampling Sites Infested - Round 4
2002 - 2006**

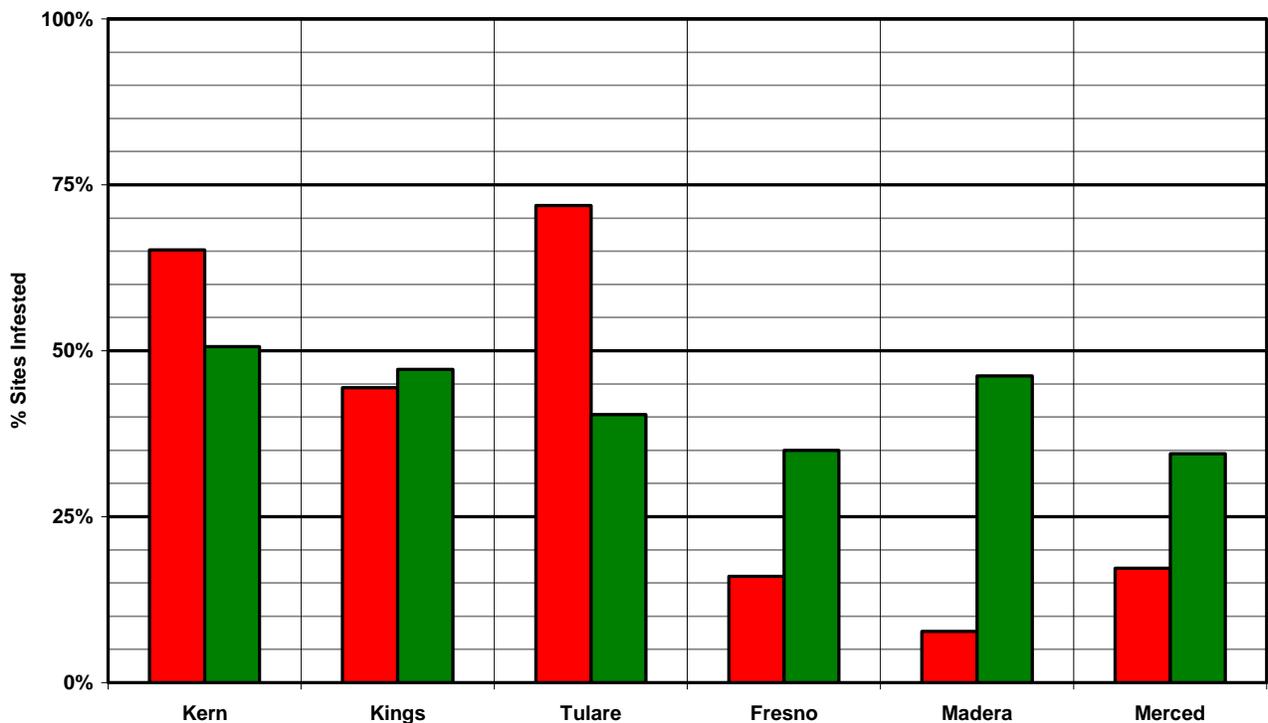
■ 2006
 ■ 2005
 ■ 2004
 ■ 2003
 ■ 2002



County

Percent of Sample Sites in Each County Infested

■ SLWF
 ■ APHIDS



OTHER PESTS AND CONDITIONS IN COTTON
FOR REPORT #3 2006

COUNTY	OTHER WHITEFLY	MITES	ARMY-WORM
KERN	4.5%	41.6%	6.7%
KINGS	2.8%	47.2%	18.1%
TULARE	1.8%	45.6%	33.3%
FRESNO	18.0%	60.0%	12.0%
MADERA	15.4%	76.9%	7.7%
MERCED	48.3%	58.6%	17.2%

