



CDFA™ DETECTION ADVISORY

PLANT HEALTH AND PEST PREVENTION SERVICES
PEST DETECTION / EMERGENCY PROJECTS

April 10, 2003

PD13-03

TO: County Agricultural Commissioners

FROM: Pest Detection/Emergency Projects

Mexican Fruit Fly (MxFF)

San Diego County

Between April 5 and 8, 2003, four MxFF were trapped in the De Luz and Valley Center areas of San Diego County.

De Luz

A male and an unmated female MxFF were trapped on April 5 and 8, 2003. The female MxFF was detected in a McPhail trap placed in an orange tree along American Road and the male MxFF was found in a McPhail trap placed in a grapefruit tree along Sandia Creek Drive. The finds are about a half mile apart and are located in a rural area of northern San Diego County near Fallbrook. The finds are approximately three miles from the MxFF trapped on April 3, 2003 in De Luz (PD12-03).

The McPhail trap density in the area was increased to an 80-40 trap array around the finds. In addition, CDFA will ground treat with malathion/bait the infested and 200 meter properties. This will be followed by the release of sterile MxFF (S.I.T.).

CDFA inspectors Stephen Davis and Raul Burquez are credited with finding the MxFF.

Valley Center

On April 8, 2003, two unmated female MxFFs were trapped at previous find sites along Keys Creek Road. CDFA trapper Raul Burquez found the MxFF in McPhail traps that had both been placed in grapefruit trees.

The McPhail trap density in the area was 80 traps per square mile.

Eight aerial treatments with spinosad over a 28 square mile area around the Valley Center MxFF finds has been completed. The eighth treatment was the evening of April 9, 2003, and the next treatment is scheduled for the evening of April 17, 2003. McPhail trap densities are at protocol levels. Visual survey for MxFF larvae is being conducted on the periphery of the core infested area. Release of sterile MxFFs will follow pesticide treatment.

Since November 21, 2002, 279 MxFFs have been trapped in the Valley Center area. MxFF larvae have been found at 15 locations.

CDFA inspector Raul Burquez is credited with finding the MxFF.

CDFA Insect Biosystematist Kevin Hoffman made the determinations.

SUMMARY - 2002/2003 MEXICAN FRUIT FLY FINDS

COUNTY	ADULTS TRAPPED			DATE LAST ADULT TRAPPED	LARVAL PROPERTIES		
	2002	2003	Total		2002	2003	Total
Los Angeles	8	1	9	01/06/03	1	0	1
Riverside	1	0	1	11/27/02	0	0	0
San Bernardino	1	0	1	11/12/02	0	0	0
San Diego	259	30	289	04/08/03	10	5	15
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	269	31	300		11	5	16

Reference PDR 941048; 027770; 941049; 941050