



DATE: August 29, 2012
TO: County Agricultural Commissioners
FROM: Pest Detection/Emergency Projects
SUBJECT: **PEST DETECTION ADVISORY NO. PD16-2012**
Mediterranean Fruit Fly, *Ceratitis capitata*

San Bernardino County, Rancho Cucamonga

On August 16, 2012, four Mediterranean fruit flies (MF) were captured in McPhail traps in two locations in Rancho Cucamonga. A sexually immature female MF and two males were found on Inspiration Drive and another male was found on Jasper Street.

San Bernardino County trapper C. Lopez is credited with detecting the flies.

The Jackson/trimedlure and McPhail trap density was five traps per square mile in the area of the detection site. In response, Multilure® traps baited with three-component lure were placed over a nine square mile area at a density of 20 per square mile in the core and first buffer to form a 20-20 array. These Multilure® traps are in addition to the normal complement of detection McPhail traps already in place for general fruit fly detection. Existing trimedlure Jackson traps in this nine square mile area were removed. The rest of the delimitation area remains at five Jackson/trimedlure and five McPhail traps in each square mile.

One of the triggers for MF eradication - two flies within three miles of each other and within a time period equal to one life cycle of the fly – occurred. Therefore, CDFA began foliar treatment with spinosad on host trees and shrubs within 200 meters of each detection site and increased the sterile male MF release rate to 250,000 flies per square mile per week over the nine square miles around the detection sites.

CDFA Insect Biosystematist Dr. Martin Houser made the determinations.

SUMMARY – 2012 Mediterranean Fruit Fly Detections

COUNTY	ADULTS DETECTED	DATE LAST ADULT DETECTED	LARVAL PROPERTIES
San Bernardino	4	August 16, 2012	0
	4		0

Reference PDRs: SA0P06104038, SA0P06104039

Prepared by: CDFA – PD/EP, jls





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TO: County Agricultural Commissioners
FROM: Pest Detection/Emergency Projects
SUBJECT: **PEST DETECTION ADVISORY NO. PD17-2012**
Oriental Fruit Fly, *Bactrocera dorsalis* complex

Los Angeles County, Long Beach

On August 22, 2012, a male oriental fruit fly (OFF) was detected in a Jackson/methyl eugenol trap placed along Gaviota Avenue in Long Beach.

Los Angeles County trapper Hector Mendoza is credited with detecting the OFF.

The Jackson/methyl eugenol and McPhail trap density is five traps per square mile in the area of the detection site. In response, the trap density of each was increased to 25 traps in the epicenter square-mile.

CDFA Insect Biosystematist Dr. Martin Hauser made the determination.

Reference PDR: 190P06058451

SUMMARY – 2012 Oriental Fruit Fly Detections

COUNTY	ADULTS DETECTED	DATE LAST ADULT DETECTED	LARVAL PROPERTIES
Los Angeles	3	August 22, 2012	0
Orange	6	August 2, 2012	0
San Diego	1	July 31, 2012	0
Santa Clara	5	July 26, 2012	0
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Prepared by: CDFA – PD/EP, jls

