
Contra Costa & Alameda Counties

CROP CURRENTS

January 15, 2002

OLIVE DAY 2002

**February 5, 2002
Sacramento Convention Center
Sacramento, CA**



- 8:00 AM Registration packet pick-up at registration desk.
- 9:00 Welcome *Louise Ferguson, Olive Extension Specialist*
- 9:15 **Olive Mechanical Harvester Evaluations**
*Louise Ferguson, Department of Pomology, UC Davis and
Joel Arthur, Department of Agricultural Engineering, CSU Chico*
- 10:00 **Economics of Mechanical Olive Harvesting**
Karen Klonsky, Department of Agricultural Economics, UC Davis
- 10:30 **A New Cooperation in California's Olive Industry**
Adin A. Hester, President, Olive Growers Council of California
- 10:45 Break
- 11:15 **New Treatment Options for Disinfesting Nursery Soil by Solarization**
Jim Stapleton, Integrated Pest Management, University of California, Davis
- 11:30 **Olive Fly and Olive Moth Update**
Jan Nelson, Chair, California Olive Committee
- 11:45 **Report from the California Olive Committee**
Jan Nelson, Chair, California Olive Committee
- 12:00 Lunch
- 1:00 PM Self tour of the California League of Food Processors Expo & Showcase

The UCCE Olive Day is run in association with the CA League of Food Processors (CLFP) annual Expo & Showcase. The \$25 registration covers the Olive Day meeting, lunch and a one day pass to the Expo & Showcase of Processed Foods. This three day event is the largest food processing trade show in California with over 200 exhibitors and over 2000 processed products on display. Send in the attached Registration Form by **Jan 31, 2002.**

Olive Fruit Fly

The Olive Fruit Fly (OLFF) is a new pest to Contra Costa and Alameda Counties. It is native to the Mediterranean region and was first discovered in southern California in 1998. Since that initial discovery it has moved rapidly throughout the state. The first flies were found in Alameda and Contra Costa Counties in 2000 and the pest is now widely distributed throughout both counties. The spread of this pest throughout the state was so rapid and the host plant (olive) so widely distributed in the landscape that eradication of this pest was not possible. Anyone growing olives in California, either for oil or canning, now has to learn how to manage this new pest.

Life Cycle and Damage. This pest has several generations per year and olives are the only host. It overwinters as an adult fly which begins to lay eggs in mature, unharvested olives in spring (March – May). The infested fruit drop from the tree and produce a summer generation of flies. These lay eggs in the current season fruit once the pit begins to harden in June. Successive generations will continue to infest fruit throughout the summer and fall and the infestation rate can reach 100% if left uncontrolled. Significant yield loss occurs from dropped fruit as well as from the larval feeding which destroys the pulp. In canned olives, the fruit damage threshold is about 1% and includes oviposition stings as well as pulp destruction. In oil olives, the damage threshold is 10% as the pulp destruction downgrades the quality of the oil.

Management. Early detection is essential. Put an OLFF trap up in March (1 trap/40 acres) and leave it up through harvest. If you catch any OLFF you need to treat. Commercial growers may use a Spinosad Bait called GF-120 (DowAgro). This is a low toxicity material that will not disrupt biological control in your orchard. It needs to be applied every two weeks from pit hardening (if you are catching flies) to harvest. If you catch high numbers of flies in Spring, you may want to consider treating that generation also to lower summer population levels. Removal and disposal of any unharvested fruit from the tree and ground before March should also help to

reduce summer populations. Organic growers and homeowners may use a standard OLFF trap in each tree to help reduce populations. The success of this mass trapping approach may depend on how isolated the site is from other untreated olives. California registration is being pursued for a European type of OLFF trap that has an insecticide as well as a bait; it lasts 5-6 months and is reorted to be quite effective in controlling moderate fly populations.

More Information is available from my office (give me a call), from the following websites, from Olive Day or the Sonoma Olive Fruit Fly Meeting (below):

- *UC IPM Guidelines:* www.ipm.ucdavis.edu
- *CDFa:* www.cdfa.ca.gov/phpps/pdep/olive_ff_profile.htm
- *UC Plant Protection Quarterly article:* www.uckac.edu/ppq/PDF/00July.pdf
- *The Olive Oil Source:* oliveoilsource.com/olive_fly.htm

OLIVE FRUIT FLY MEETING

Tuesday, January 29th, 2002

9:00 – 11:30 am

Farm Bureau Office

970 Pioneer Rd., Santa Rosa, CA 95404

Sponsored by:

University of CA Cooperative Extension
Sonoma County Farm Bureau
Sonoma County Agricultural Department

9:00 **Introduction** – Pierre Gadd, Ag Dept.

9:10 **History & Material Availability**
Dan Curtin, Ag Dept.

9:25 **Biology of the Olive Fruit Fly**
Dr. Lucia Varela, UCCE

9:50 **Using Spinosad Bait for Control**
Dr. Barat Bisabri, DowAgro

10:30 **Using Surround for Control**
Mitchell King, Englehard/Bioscape

10:55 **CDFa Bio-Control Efforts**
Dr. Syed Khasimuddin

11:25 **Closing Remarks** - Pierre Gadd, Ag Dept

UCCE Statewide Olive Day

Print or Type Only

First Name: _____ **Last Name:** _____

Badge Name: _____ **Job Title:** _____

Company: _____

Address: _____

City: _____ **State** _____ **Zip:** _____

Phone: () _____ **Fax No.:** () _____

Email: _____

Please remit no later than January 31, 2002: \$25.00/person

includes lunch and one-day pass
to Expo and Showcase of Processed Foods

Total Registration \$ _____

- Check Enclosed (Payable to: California League of Food Processors)**
- Credit Card (circle type) Amex Visa Mastercard**

Account Number _____ **Exp. Date** _____

Signature _____ **Print Name on Card** _____

Complete Form and Return to: California League of Food Processors
980 Ninth Street, Suite 230
Sacramento, CA 95814
Phone: (916) 444-9260
Fax: (916) 444-2746

Registration packets with event tickets and badges will be available on 2/4/02 in the west lobby of the Sacramento Convention Center.

**Affix
Proper
Postage**

California League of Food Processor
980 Ninth Street, Suite 230
Sacramento, CA 95814

Map to the Sonoma County Olive Fruit Fly Meeting
Tuesday, January 29th
Farm Bureau Building
970 Pioneer Rd, Santa Rosa

Janet Caprile,
Farm Advisor

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COOPERATIVE EXTENSION

U.S. Dept of Agriculture
UNIVERSITY OF CALIFORNIA
Oakland, California 94612

Official Business
Penalty for Private Use \$300

OLIVE MEETINGS