



Olive News



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 Farm Advisor

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UCCE Sacramento Valley Olive Day

April 12, 2011

Glenn County Fairgrounds, Arts and Craft Building,
 221 East Yolo St. - Orland

Co-sponsored by Musco Family Olives, Bell Carter Olives, California Olive Ranch, West Coast Olive Products and the Glenn County Ag. Commissioner

- 7:30 a.m. Registration
- 8:00 Ag Commissioner Update - *Jean Miller, Glenn County Ag. Commissioners Office*
- 8:20 California Olive Committee update - *Denise Junqueriro, Director of Programs and Services, California Olive Committee*
- 8:40 Olive Fly Research Update - *Frank Zalom, UC Davis Dept of Entomology*
- 9:10 Black Scale and Olive Psyllid - *Marshall Johnson, UC Kearney Ag. Center*
- 9:40 Olive Pest Management District Updates- *Speakers To be determined*
- 9:50 Coffee Break - *Courtesy of West Coast Olives*
- 10:05 2010 Season in Review - *Bill Krueger, UCCE Glenn County*
- 10:30 Olive Mineral Nutrition - *Joe Connell, UCCE Farm Advisor, Butte County*
- 11:00 Table and Oil Olive Quality - Research and Education - *Dan Flynn, Director of the UC Davis Olive Center*

11:30 Olive Pollination and Fruit Set - *Vito Polito, UC Davis Dept of Plant Science*

12:00 Lunch - *Courtesy of Musco Family Olives, Bell Carter Olives and California Olive Ranch*

Continuing education credit has been applied for and will be granted if approved.

Please phone (530-865-1107) or email in (jesamons@ucdavis.edu) your reservation for the complimentary lunch by April 9th so that we may accommodate all guests.

Olive Fly Trapping Results for Glenn and Tehama Counties for 2010

Since 2006 we have been monitoring olive fly populations in Glenn and Tehama Counties. We started with 3 sites in Glenn County and 3 in Tehama County. In 2008 two more sites were added in each county for a total of 10 sites. Approximately half of the sites are unsprayed. We are using plastic McPhail traps which have been shown to catch more flies in the Sacramento Valley than the yellow sticky panel traps which are more commonly used in the San Joaquin Valley. The traps are monitored weekly from late March through early November and the results are posted on our website and given to the California Olive Committee for further dissemination. We are continuing to monitor the same locations to develop a historic perspective of olive fly populations. All of these trapping records have been posted on our Glenn County website and are available for review at http://ceglenn.ucdavis.edu/OrchardCrops_MainPage/Olives/.

Since 2006 we have seen a steady decline in trap catches per season, going from 144 flies per trap in 2006 to just 4 in 2010 (fig. 1). In 2010 we caught no flies at 3 of the ten sites and in 10 of the 18 traps. Historically trap activity has begun in early April, peaked in June or early July, declined with the onset of high summer temperatures and then resumed in the late summer and fall with the onset of cooler temperatures. In 2010 catches were practically 0 in the early season with only three flies being caught in all 18 traps by Sept. 20th. However, 62 flies or 95% of the total catches were caught from Sept 27 to Nov. 17th (fig. 2). This was the highest late season trap activity since 2007. This coincided with observations from the canneries who noted very little infested fruit in early deliveries with increased infestation in later deliveries.

The reasons for the steady decline in trap catches since 2006 and especially the lack of early season catches in 2010 are unclear. Last year's cool spring conditions and relatively cool summer was expected to favor olive fly development. Speculation as to the reason for 2010 results include the freeze in Dec. of 2009 when the coldest locations experienced temperatures into the mid-teens and the wet late spring which may have increased fly mortality and delayed emergence.

Last year's heavy crop, late harvest and early frost (Thanksgiving time) resulted in a least 10,000 tons of table olives going unharvested. If these remain on the tree, they could be a site for overwintering flies to lay eggs this spring. This situation, along with the resurgence of flies last fall, will make important to monitor olive fly populations this spring and be ready to take action if the conditions warrant it.

Olive Day
April 12, 2011

Details Inside

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