



Arkansas Fruit and Nut News Volume 5, Issue 4, 2 June 2015

Upcoming Events

- Mark it on your calendar: July 16th- Peach Production Workshop**
 WHEN: Thursday, July 16th, 2015
 WHERE: University of Arkansas Fruit Research Station
 1749 State Hwy 818 Clarksville, AR
Detailed information on this workshop will be sent to your county Extension agent shortly

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- Oklahoma Pecan Growers Association Annual Conference ([Link](#)):** June 11-13, 2015, Ardmore, OK Ardmore Holiday Inn and Convention Center. Reserve your room on-line at ([Link](#)) Use: Group Code: OPG. Get more information by emailing Amanda Early (OPGA Treasurer) at: amanda.early@okstate.edu
- TriState ArkLaMiss Pecan-ference ([Link](#)):** June 18-19, 2015, Natchez, MS Natchez Convention Center, 211 Main Street, Natchez, MS 39120; Contact: Stephen Norman, (318) 729-3173 or by email: pecans@rosaliepecans.com; Natchez Grand Hotel information (601.446.9994: [Link](#)): rooms are around \$120/night if you ask for TriState Pecan rate.
- Texas Pecan Growers Association Annual Conference online registration ([Link](#)):** July 12-15, 2015, Frisco, TX; Contact (979) 846-3285 or by email: pecans@tpga.org

Grape Diseases ([Link](#))

By Dean Volenberg, The Grape and Wine Institute at the University of Missouri
 Read about grape phomopsis, black rot and growing degree-days. The recent wet conditions and cool night temperatures are ideal for Phomopsis cane and leaf spot infection and the rain leads to black rot. On average, the month of May is the wettest month in Arkansas and Missouri, with rainfall averaging 5 to 6 inches. In Arkansas, we already had more than 5 inches from 1 to 10 May.

New Videos on Integrated Pest Management (IPM)

The New England Apple Association has produced a three-part video series on IPM in the apple orchard. This engaging series explains aspects of IPM and makes them accessible to a wider audience. Watch the video series online at: ([Link](#))

Spotted Wing Drosophila (SWD) Predictions:

Late-May and early-June is the time to set baited SWD traps by ripening fruits and to monitor traps twice weekly for SWD flies. In the past two growing seasons, we did not trap any SWD flies in May but in 2014 we had SWD-infested raspberries and strawberries by 10 June.

In 2015, growers are starting to apply weekly insecticide sprays to ripening blueberry, raspberry and blackberry plantings after they captured their first SWD flies in baited traps on:

- 24 May in London, AR
- 25 May at Southwest Research and Extension Center in Hope, AR
- 28 May at the University of Arkansas-farm and in a raspberry planting in Springdale, AR

Email Dr. Donn Johnson at dtjohnso@uark.edu noting when you trap your first SWD flies and what fruit crop you find SWD larvae. I would like to get a sample of suspect flies and larvae. Put in vial of isopropyl rubbing alcohol and Mail to: Barbara Lewis, AGRI BLDG 319, Department of Entomology, University of Arkansas, Fayetteville, AR 72701

I used the online Oregon State University SWD degree-day (DD) calculating model ([Link](#)) to predict SWD adult fly emergence and egg laying for four locations across Arkansas:

Note: *We are in the process of testing the accuracy of this SWD prediction model in Arkansas.*

DD = cumulative number of degree-days since January 1 (base 50°F)

Using weather data; at Emmet, AR near the **SWREC in Hope:**

6-6-15 1275 **DD** PEAK ADULT EMERGE 2nd GEN

6-14-15 1494 **DD** PEAK EGG LAYING BY 2nd GEN FEMALES

6-23-15 1750 **DD** PEAK ADULT EMERGE 3rd GEN

Using weather data at Clarksville, AR near the **UA Fruit Station:**

6-3-15 1251 **DD** PEAK ADULT EMERGE 2nd GEN

6-13-15 1511 **DD** PEAK EGG LAYING BY 2nd GEN FEMALES

6-22-15 1755 **DD** PEAK ADULT EMERGE 3rd GEN

Using weather data at **Peasant Plains, AR:**

6-4-15 1268 **DD** PEAK ADULT EMERGE 2nd GEN.

6-13-15 1494 **DD** PEAK EGG LAYING BY 2nd GEN FEMALES

6-23-15 1756 **DD** PEAK ADULT EMERGE 3rd GEN

Using weather data at **Fayetteville, AR:**

6-9-15 1257 **DD** PEAK ADULT EMERGE 2nd GEN;

6-19-15 1492 **DD** PEAK EGG LAYING BY 2nd GEN FEMALES

6-29-15 1751 **DD** PEAK ADULT EMERGE 3rd GEN

Calibrate Air Blast Sprayers (WATCH VIDEO)

Kerry Richards and George Hamilton outline the benefits of air blast sprayer calibration.

Much of the information obtained for this newsletter was gathered by the authors at the University of Arkansas-Fayetteville. All chemical information is given with the understanding that no endorsement of named products is intended nor is criticism implied of similar products that are not mentioned. Before purchasing or using any pesticide, always read and carefully follow the directions on the container label. Compiled by: Donn T. Johnson, University of Arkansas, Department of Entomology, E-mail: dtjohnso@uark.edu; and Elena Garcia, University of Arkansas, Department of Horticulture, E-mail: megarcia@uark.edu. Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Arkansas Division of Agriculture, University of Arkansas, Agriculture, Director, Cooperative Extension Service, University of Fayetteville. The Arkansas Cooperative Extension Service offers its programs to all eligible persons regardless of race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.