

**January 2017**

### UC ANR PISTACHIO PRODUCTION MANUAL NOW AVAILABLE

It has been a number of years in the making but, finally, the Pistachio Production Manual is now available from the U.C. Agriculture and Natural Resources Communication Office. I highly recommend it to anyone currently producing or planning to produce pistachios. The manual is available at our office at 1031 S. Mt. Vernon Avenue in Bakersfield, on the net at <http://anrcatalog.ucdavis.edu> or by phone at 1-800-994-8849.

### BOTRYOSPHAERIA PANICLE AND SHOOT BLIGHT RISK HIGHER IN WET YEARS

Dr. Themis Michailides, U.C. Plant Pathologist at the Kearney Agricultural Research & Extension Center, who has done the majority of the research into Botryosphaeria in pistachio, has warned that the wet conditions this winter, and possibly into the spring, has increased the risk of Botryosphaeria panicle and shoot blight this season. For more information on this disease go to the U.C. ANR pests management guidelines at; <http://ipm.ucanr.edu/PMG/r605100311.html> .

To quote the guidelines:

“When disease incidence is low, pruning blighted shoots and panicles, shoots with cankers, dead and dying wood, and removing infected wood from the orchard can help reduce or eliminate inoculum for a few years. During late summer, after harvest, and during dormancy prune out infected areas 2 inches past blighted margins.”

“If your orchard has a severe history of Botryosphaeria panicle and shoot blight or you find cankers, plan to apply a fungicide when panicles appear in spring. When the disease is severe, both pruning and fungicide treatment are suggested.”

Dr. Michailides has done a lot of work in working with fungicides that help control this disease and effective treatment timings. Much of this information has been summarized in the following publication:

#### EFFICACY AND TIMING OF FUNGICIDES, BACTERICIDES, AND BIOLOGICALS FOR DECIDUOUS TREE FRUIT, NUT, STRAWBERRY, AND VINE CROPS

<http://ipm.ucanr.edu/PDF/PMG/fungicideefficacytiming.pdf>

Make sure that the chemical used or described is currently registered for use on bearing and/or non-bearing pistachio trees as the case may be. Generally, bearing trees are the greatest concern with *Botryosphaeria*.

Even though we usually get much less precipitation than points further north in the Central Valley, Kern County orchards are susceptible to *Botryosphaeria* outbreaks, especially those in a wide path running south from Delano all the way to Rosedale. Wet years greatly increase the risk. The drought has reduced inoculum levels in most orchards, but you don't have to look too hard to see older blighted shoots in many pistachio orchards. Many perennial crops (especially grapes) and native vegetation can host this disease.

## **BOTRYTIS BLOSSOM AND SHOOT BLIGHT AT BLOOM**

Keep *Botrytis* blossom and shoot blight on your mental radar as well. Generally, in Kern County, this is a problem that can develop if weather is wet during bloom. For more information on this disease go to <http://ipm.ucanr.edu/PMG/r605100211.html>

Information on the control and timing of this disease can be found at <http://ipm.ucanr.edu/PDF/PMG/fungicideefficacytiming.pdf> , as well.

## **STATEWIDE PISTACHIO DAY 2017**

Statewide Pistachio Day 2017 has come and gone, and I believe a lot of useful information was available for those who attended. However, if you did not attend or if you did attend, (thank you!), and wish to review some of the presentations, they are available at the following links.

[Louise Ferguson, UC ANR Cooperative Extension Specialist, Department of Plant Science, UC Davis](#)

Pistachio Day Welcome and New Production Manual Announcement

Recorded: 1/18/2017 7:45:00 AM

Duration: 00:06:35

[Bob Klein, Research Director, California Pistachio Research Board, Fresno, CA](#)

Industry Update

Recorded: 1/18/2017 8:05:00 AM

Duration: 00:10:02

[Craig Kallsen, UC ANR Cooperative Extension Advisor, Kern County](#)

Tips on choosing and producing pistachios with UC Cultivars

Recorded: 1/18/2017 8:30:00 AM

Duration: 00:32:47

[Elizabeth Fichtner, UC ANR Cooperative Extension Advisor, Tulare County](#)

Implications and management of *Rhodococcus* spp. causing pistachio bushy top syndrome

Recorded: 1/18/2017 9:00:00 AM

Duration: 00:34:09

[Blake Sanden, UC ANR Cooperative Extension Advisor, Kern County](#)

Real World Pistachio Salt Tolerance for San Joaquin Valley

Recorded: 1/18/2017 9:30:00 AM

Duration: 00:34:37

[Bob Beede, Emeritus UC ANR Cooperative Extension Advisor, Kings County](#)

Developing a New Pistachio Orchard: Training, Irrigation and Fertilization, and Young Tree Care

Recorded: 1/18/2017 10:30:00 AM

Duration: 00:36:56

[David Doll, ANR Cooperative Extension Advisor, Merced County](#)

Farm Advisor Project Report

Recorded: 1/18/2017 11:15:00 AM

Duration: 00:15:21

[Mae Culumber, UC ANR Cooperative Extension Advisor, Fresno County](#)

Utilizing Online Tools and Information in Preventing Pistachio Planting Pitfalls

Recorded: 1/18/2017 11:30:00 AM

Duration: 00:10:06

[Linda Harris, UC ANR Cooperative Extension Specialist, Department of Food Science and Technology, UC Davis](#)

The Produce Safety Role: What Pistachio Growers Need to Know

Recorded: 1/18/2017 1:00:00 PM

Duration: 00:59:09

[Florent Trouillas, UC ANR Cooperative Extension Specialist, Department of Plant Pathology, UC Davis](#)

Tree Decline in Pistachio: True Disease or Abiotic Disorder?

Recorded: 1/18/2017 1:00:00 PM

Duration: 00:31:01

[Brad Higbee, Lead Research Entomologist, Wonderful, Inc.](#)

Navel Orangeworm Management: Sanitation, Mating Disruption, Monitoring, and Chemical Control

Recorded: 1/18/2017 2:45:00 PM

Duration: 00:39:23

[Dr. Kris Tollerup, UC ANR Cooperative Extension Regional IPM Advisor, Kearney Agriculture Research and Extension Center](#)

Update: Navel Orangeworm Mating Disruption Product Options

Recorded: 1/18/2017 3:30:00 PM

Duration: 00:13:10

[Bob Klein, Research Director, California Pistachio Research Board, Fresno, CA](#)

A Brief Update on the Sterile Insect Technique (SIT) Program to Manage Navel Orangeworm

Recorded: 1/18/2017 3:45:00 PM

Duration: 00:26:01

Craig Kallsen, Citrus, Pistachios/Subtropical Horticulture Advisor  
[cekallsen@ucdavis.edu](mailto:cekallsen@ucdavis.edu) or 661-868-6221

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**Disclaimers:** Discussion of research findings necessitates using trade names. This does not constitute product endorsement, nor does it suggest products not listed would not be suitable for use. Some research results included involve use of chemicals which are currently registered for use, or may involve use which would be considered out of label. These results are reported but are not a recommendation from the University of California for use. Consult the label and use it as the basis of all recommendations.

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