



Understanding and Preparing for the Threat of Plum Pox Virus Spreading to California and the Western States

The Fruit and Nut Research and Information Center is organizing a two day international meeting, **Understanding and Preparing for the Threat of Plum Pox Virus Spreading to California and the Western States**, to address a new threat to the U.S. stone fruit industry, *Plum Pox Virus* (PPV, aka sharka disease). The meeting will be held in Giedt Hall at UC Davis on **September 29th and 30th, 2014**.

Visit the Fruit and Nut Center website (fruitsandnuts.ucdavis.edu) for information and online registration

Plum Pox Virus is an exotic invasive pathogen spread by aphids which infects *Prunus* tree crops (including plum, prune, cherry, almond, peach and apricot). The virus compromises tree health, causes premature fruit drop and reduces fruit quality. Infected fruit is not suitable for fresh market and most processed products.

Plum pox virus was identified in Europe in the early 20th century, and has rapidly spread world-wide since the late 1980s, likely due to the globalization of trade and travel. PPV is now present in all major fruit growing countries except the U.S., Australia, New Zealand, and South Africa. The central valleys of California are particularly vulnerable to this threat because of the high concentration of *Prunus* crops, and a lack of geographical barriers to the spread of the disease by insects.

The upcoming meeting is open to all members of the stone fruit industry interested in learning more about the threat posed by PPV, and the development of measures to manage the disease in California.

The goals of this meeting include:

- Update on the status and spread of PPV worldwide
- Exchange ideas for strategies to be used in the event that PPV is introduced in the Western US
- Promote awareness of educational and extension tools to provide information about the threat of PPV and its potential spread in the US
- Identify research programs that could minimize the threat of PPV to the US stone fruit industry.
- Develop a response plan for PPV outbreak in California.
- Explore funding opportunities to support projects and actions identified during the conference.

For more information:

Registration coordinator: Penny Stockdale (pastockdale@ucdavis.edu, 530-752-7672)

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UNDERSTANDING AND PREPARING FOR THE THREAT OF PLUM POX VIRUS SPREADING TO CALIFORNIA AND THE WESTERN STATES

GEIDT HALL, UNIVERSITY OF CALIFORNIA, DAVIS
SEPTEMBER 29-30, 2014

SEPTEMBER 29th

8:00-9:00 Registration

9:00 WELCOME AND GREETING (15 min)

Ted DeJong, Department of Plant Sciences, University of California, Davis
Gary Obenauf, California Dried Plum Board

Session I – INTRODUCTION TO PLUM POX VIRUS

9:15 PLUM POX (SHARKA): THE DISEASE AND VARIABILITY OF THE VIRUS

Delano James, Canadian Food Inspection Agency, Sidney, British Columbia

9:45 CHALLENGES AND PROGRESS IN DETECTION OF PLUM POX VIRUS

Marc Fuchs, Department of Plant Pathology, Cornell University

10:15 BREAK

10:40 INDUSTRY PERSPECTIVE: SURVIVING PLUM POX VIRUS

Phil Baugher, Adams County Nursery, Aspers, Pennsylvania

Session II – CURRENT WORLD STATUS OF PLUM POX VIRUS

11:00 WESTERN EUROPE

Rick Mumford, Food and Environment Research Agency, York, United Kingdom

Sylvie Dallot, French National Institute for Agricultural Research, Montpellier, France

12:20 LUNCH

1:20 PLUM POX VIRUS IN POLAND: HOW DO WE TRY TO COPE WITH IT?

Tadeusz Malinowski, Research Institute of Horticulture, Skierniewice, Poland

2:00 NORTH AMERICA

Marc Fuchs, Department of Plant Pathology, Cornell University

Delano James, Canadian Food Inspection Agency, Sidney, British Columbia

Ruth Welliver, Pennsylvania Department of Agriculture, Harrisburg, Pennsylvania

3:10 BREAK

Session III – STATUS OF RESEARCH ON PLUM POX VIRUS

3:30 DIAGNOSIS AND DISTRIBUTION IN THE TREE
Marc Fuchs, Department of Plant Pathology, Cornell University
Delano James, Canadian Food Inspection Agency, Sidney, British Columbia

4:30 EPIDEMIOLOGY AND MODELING
Timothy Gottwald, USDA Agricultural Research Service, Fort Pierce, Florida
Bill Schneider, USDA Agricultural Research Service, Fort Detrick, Maryland

5:30 ADJOURN

SEPTEMBER 30th

Session III – STATUS OF RESEARCH ON PLUM POX VIRUS (Continued)

8:00 DEVELOPING RESISTANCE
Maria Badenes, Valencian Institute of Agricultural Investigations, Valencia, Spain
Ralph Scorza, USDA Agricultural Research Service, Kearneysville, West Virginia

Session IV – PLANNING FOR AN OUTBREAK ON THE WEST COAST

9:20 THE PLUM POX VIRUS EXPERIENCE IN NEW YORK AND PENNSYLVANIA: REGULATORY PERSPECTIVE
Ruth Welliver, Pennsylvania Department of Agriculture, Harrisburg, Pennsylvania
Margaret Kelly, New York State Department of Agriculture and Markets, Albany, New York

10:00 BREAK

10:20 THE PLUM POX VIRUS EXPERIENCE IN NEW YORK AND PENNSYLVANIA: INDUSTRY PERSPECTIVE
Phil Baugher, Adams County Nursery, Aspers, Pennsylvania

10:40 DIAGNOSTICS: FROM THE ORCHARD TO THE LAB
California Department of Food and Agriculture, Sacramento, CA

11:00 SYSTEMS IN PLACE TO EXCLUDE AND DETECT PLUM POX VIRUS
California Department of Food and Agriculture, Sacramento, CA

11:20 RESPONSE TO A DETECTION EVENT: EXPECTATIONS AND ISSUES
California Department of Food and Agriculture, Sacramento, CA

11:40 TRADE IMPACTS

Michael Guidici Pietro, USDA APHIS, San Francisco, California

12:00 LUNCH

Session V – BREAKOUT SESSIONS

1:00 BREAKOUT SESSIONS

A. Critical research gaps

B. Concerns about regulatory requirements: Nursery industry

C. Concerns about regulatory requirements: Grower and production industry

2:30 BREAK

2:50 REPORT BACK FROM BREAKOUT SESSIONS

Session VI – NEXT STEPS

3:20 PANEL DISCUSSION: WHAT ARE THE CRITICAL RESEARCH ISSUES THAT WILL IMPROVE OUR ABILITY TO MAKE DECISIONS AND PREPARE A SUCCESSFUL RESPONSE?

3:50 GROUP DISCUSSION

5:00 ADJOURN