

74TH LAKE CHELAN HORTICULTURE DAY **JANUARY 20**

Lake Chelan Horticulture Day to feature nine different topics



Hort Show vendors visit with attendees at the 2017 annual Horticulture Day held at Chelan High School. This years show will be held Jan. 20, 9 a.m. to 3 p.m.

Co-sponsored by WSU Extension and Chelan High School FFA

By Lake Chelan MIRROR STAFF

CHELAN-The 74th Lake Chelan Horticulture Day will be held on Monday, Jan. 20. Chelan Future Farmers of America (FFA) and Washington State be helping in some form

University Extension will be co-sponsoring the event, which will begin at

Attendees will have opportunity to network and to learn by listening to nine different presentations offered throughout day.

Lunch will be served by the Chelan FFA from 11:50 a.m. to 1 p.m.

The Chelan FFA Chapter has 180 members. Twenty to 30 of those members will

Trade Show part of **Lake Chelan Hort** Day See page 6 for agenda

with setting up, tearing down, and throughout the event. The Chelan FFA Chapter is one of the nine charter members of the Washington State FFA Association and have been around since the spring

SEE 74TH HORT ON PAGE 6

WSU conference brings Women in Agriculture together to network, learn

SUBMITTED BY WASHINGTON STATE UNIVERSITY EXTENSION

WENATCHEE/WIN-THROP/NESPELEM - On Saturday, Jan. 25, the 2020 Women in Agriculture Conference will offer women in Washington, Idaho, Oregon, Montana, Alaska and Hawaii an unique opportunity to gather in 34 different locations for a one-day event featuring knowledgeable speakers, inspiring stories, networking with other producers and practical advice for learning new skills.

This year's event, 'Healthy Farms" covers the topic of cultivating personal resiliency to handle all the "ups and downs" as a women farmer. It is no secret that things can be tough for farmers, whether it is things that can be controlled or issues farmers try to control when they can't, according to WSU Douglas & Chelan County Extension Director and chair of the conference, Margaret Viebrock. The stress in farming has always existed, but the levels soar during times of high costs and low returns.

Locally, the conference

will be held at Confluence Technology Center in Wenatchee, Colville Reservation WSU Extension Learning center in Nespelem and 3 Bears Quilt Shop in Winthrop.

Each location will have a local panel of women farmers who will explain how they have developed their own self-care plan to deal with day-to-day events and make mindful decisions that helped them be successful in farming.

Visit the website at www.womeninag.wsu.edu for details about the conference and registration.

This interactive and engaging conference will motivate women in agriculture to develop a self-care plan and realize the connection between a healthy person and a healthy farm. The format of this conference enables us to offer our headline speakers at all locations, while still tailoring the conference content for each region, Viebrock added.

"Last year, nearly 500 women attended," said Viebrock. "Many attendees reported it is the best conference for women

producers because it presents practical information they can use right away."

The lineup for the day includes Brenda Mack, a third generation farmer in Minnesota who is also a behavior and wellness professor with Bemidii State University and Shauna Reitmeier, also a third generation farmer who specializes in behavioral health with the Northwest Mental Health Center in in Minnesota. Together they will help women farmers strengthen their personal health care to reduce the effects of stress, worry and exhaustion.

Sue Schneider, Colorado State University Extension, will teach women how to make mindful farming and personal decisions without reacting to negative thoughts, emotions and judgements.

Gabrielle McNally, who represents the Women for the Land: American Farmland Trust's Initiative will explain their program that engages women farmers on topics of conservation, farmland preservation and land access. A partnership with this Initiative can implement

SEE WOMEN ON PAGE 6



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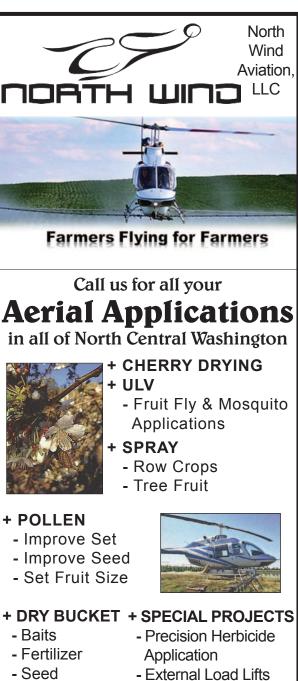


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Washington State Soil Health Survey

Consider participating

By WSU TREE FRUIT RESEARCH AND EXTENSION CENTER

NCW - Scientists from the Washington State Department of Agriculture (WSDA) and Washington State University (WSU) are collaborating to survey the soil health of seven specialty crops grown in our state. Researchers will assess the baseline soil health and develop a state-specific soil health index.

We are seeking participation from farmers growing potatoes, onions, sweet corn, pulses, tree fruit, wine grapes, and hops during the 2020 and 2021 growing seasons.

Eligible participants

- Identify and describe their "best" and "worst"
- Complete an online soil management survey.
- Allow project staff to collect "best" and "worst" soil samples.

The project will use in-

field measurements and soil samples to analyze field and lab indicators of soil health. The management practices survey will provide background on practices that may affect soil health.

Participants will receive a soil health report of their "best" and "worst" sites, including comparisons to regional soil health data and other soil health indices.

We will select eligible participants for the first year of the study in January 2020. Sampling will begin in the spring. WSU staff will lead the field sampling effort and will communicate directly with farmers to arrange for convenient field access.

Please contact us if you want to participate or have any questions: Rachel Seman-Varner, 360-584-3414, rseman-varner@ agr.wa.gov; Deirdre Griffin LaHue, 360-848-6127, d.griffin@wsu.edu or Leslie Michel, 509-731-9895, lmichel@agr.wa.gov

The project is funded through the WSDA Specialty Crop Block Grant Program.

74th HORT

CONTINUED FROM PAGE 5

of 1930.

Three pesticide education credits will be awarded for program and attendance dependent on WSDA approval.

Hort Day at Chelan High

School is free of charge and open to the public.

Anyone interested in participating in the trade show can contact Chelan FFA Advisor Bailey Dezzllum at dezellemb@ chelanschools.org or 509-860-1950. Proceeds benefit the Future Farmers of America Scholarship.

74th Annual Lake Chelan **Horticultural Meeting** January 20 • Chelan High School

Co-sponsored by:

WSU Extension & Chelan High School FFA

9-9:20 a.m. How to Establish a Successful Planting* Site selection, soil preparation and

fumigation, rootstock decisions, tree care. 9:20-10 a.m. Cosmic Crisp® Release – Kathryn Grandy, Tyler Brandt, Provar Variety Management; Carolina Torres, WSU; Ines Hanrahan,

> Tree Fruit Research Commission Marketing update, volumes, prices and projections. Harvest report, harvest criteria,

color grades, defects.

10-10:20 a.m. 10:20-10:45 a.m.

1-1:30 p.m.

Strategies to Minimize Bitter Pit Bernardita Sallato, WSU Extension. A review of bitter pit physiology and management strategies including crop load management, maintenance of healthy roots, water and soil calcium, supplemental calcium sprays.

10:50-11:15 a.m. **Changing Chilling Conditions for Tree Fruit.** Lee Kalscits, WSU Horticulture

11:20-11:50 a.m. **Setting up Your Orchard for Consistent** Quality and Packout: Refining and

Planning your Thinning Strategy* Tory Schmidt 11:50 a.m.- 1 p.m. Lunch

Achieving Successful Cherry Powdery

Mildew Control in the Face of Resistance* Gary Grove, WSU Pathology 1:30-2 p.m.

Five Most Important Things to Prep your Sprayer this Winter* Gwen Hoheisel, WSU Extension 2-2:30 p.m. Beating the Psylla Battle*

Louis Nottingham, WSU Entomology 2:30-3 p.m. Fire Blight Management - Reminders and New Research* Tianna DuPont, WSU Extension

• 3 pesticide education credits will be awarded for program attendance - WSDA approved.

• Extension programs and employment are available without discrimination. Evidence of noncompliance may be reported through your local Extension office.

• If you are interested in joining our trade show contact: Bailey Dezzllum dezellemb@chelanschools.org 509-860-1950. Proceeds benefit the Future Farmers of America Scholarship.

Dr. Bolivar-Medina joins WSU Tree Fruit Research Center

By WSU TREE FRUIT RESEARCH AND EXTENSION CENTER

WENATCHEE - Dr. Jenny Bolivar-Medina recently joined WSU as a Tree Fruit Extension Information Technology Transfer Specialist (ITT). As an integral member of the Tree Fruit Extension Team, Jenny's program will focus on tree fruit horticultural issues including apple rootstock evaluation, abiotic stress outreach programs and emerging industry needs. The position is made possible through the Tree Fruit Industry Endow-

Dr. Bolivar-Medina



Dr. Jenny Bolivar-Medina

completed her Ph.D. in Plant Breeding and Plant Genetics at the University of Wisconsin - Madison (UW). She earned her M.S. in Biology at the University of Puerto

Rico - Mayaguez and her B.S. in Biology at the Universidad Pedagógica y Tecnológica de Colombia. Through her academic formation, Jenny acquired skills in in vitro plant tissue culture of ornamental, forest, fruit, and crop species important for farmers in Colombia, Puerto Rico and USA. Her Ph.D. research and work as Research Associate at UW were focused on physiological and genetic aspects of reproductive buds of cranberry. Specifically, she studied the formation and development of floral meristems in reproductive buds of cranberry through the growing season and dormancy, and its implications in fruit

WOMEN

This conference is de-

The conference reg-

production. These studies were funded by the Wisconsin State Cranberry Growers Association. Other aspects complementing her professional formation includes her experience in optical and electron microscopy, designing and performing field experiments, teaching, and participation in cranberry extension programs. As a mother of three. she enjoys spending time

with them in outdoor activities, reading, watching movies and crafting. Jenny is located at the WSU Tree Fruit Research

and Extension Center in Wenatchee. She can be reached at 509-333-8813 or j.bolivarmedina@wsu.

istration fee is \$35, but people who register between now and January 17 will receive the early bird special of \$30. The conference registration fee includes the workshop, light breakfast, lunch and conference materials.

Persons with a disability requiring special accommodations while participating in this program may contact Margaret Viebrock at 509-745-8531 or viebrock@wsu.edu

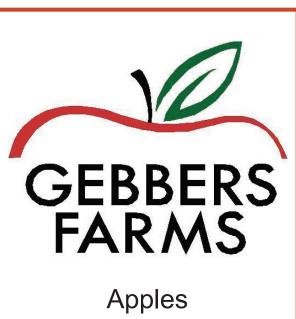


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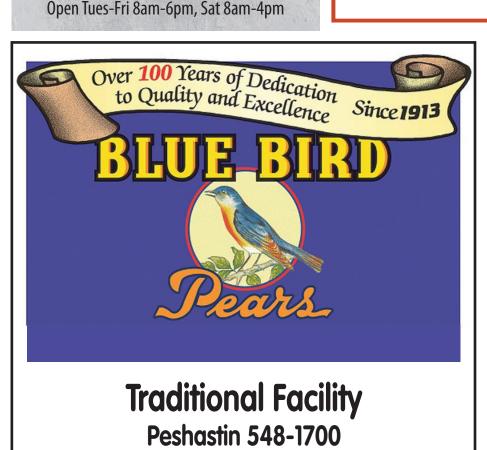
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Produce Safety Alliance Grower training

By WSU TREE FRUIT RESEARCH AND EXTENSION CENTER

MANSON/MOSES LAKE - The Produce Safety Alliance (PSA) was tasked with developing the standardized national produce safety training program to prepare fresh produce growers to meet the regulatory requirements in the U.S. Food and Drug Administration's (FDA) Food Safety Modernization Act (FSMA) Produce Safety Rule

The PSA Grower Training Curriculum was created through a four-year nationwide development process. The seven module PSA Grower Training Course was designed to be delivered in one day.

Who should attend

Fruit and vegetable growers and others interested in learning about produce safety, the Food Safety Modernization Act (FSMA) Produce Safety Rule, Good Agricultural Practices (GAPs), and co-management of natural resources and food safety. The PSA Grower Training Course is one way to satisfy the FSMA Produce Safety Rule requirement outlined in § 112.22(c) that requires 'At least one supervisor or responsible party for your farm must have successfully completed food safety training at least equivalent to that received under standardized curriculum recognized as adequate by the Food and Drug Administration.

What to expect

The trainers will spend approximately seven hours of instruction time covering

content contained in these seven modules:

- Introduction to Produce Safety
- · Worker Health, Hygiene,
- and Training Soil Amendments
- Wildlife, Domesticated Animals, and Land Use
- Agricultural Water (Part I: Production Water; Part II: Postharvest Water)
- Postharvest Handling and Sanitation
- How to Develop a Farm Food Safety Plan

In addition to learning about produce safety best practices, key parts of the FSMA Produce Safety Rule requirements are outlined within each module. There will be time for questions and discussion, so participants should come prepared to share their experiences and produce safety questions.

Benefits of

attending the course The course will provide a foundation of Good Agricultural Practices (GAPs) and co-management information, FSMA Produce Safety Rule requirements, and details on how to develop a farm food safety plan. Individuals who participate in this course are expected to gain a basic understanding of:

- Microorganisms relevant to produce safety and where they may be found on the
- How to identify microbial risks, practices that reduce risks, and how to begin implementing produce safety practices on the farm
- · Parts of a farm food safety plan and how to begin writing one
 - Requirements in the

FSMA Produce Safety Rule and how to meet them.

After attending the entire course, participants will be eligible to receive a certificate from the Association of Food and Drug Officials (AFDO) that verifies they have completed the training course. To receive an AFDO certificate, a participant must be present for the entire training and submit the appropriate paperwork to their trainer at the end of the course.

Visit this website for the latest Train the Trainer Information: https://producesafetyalliance.cornell edu/training/train-trainer

Costs to Attend

Total costs to attend the PSA Grower Training Course is \$50. Includes materials, certificate, lunches and refreshments.

Dr. Faith Critzer is lead trainer.

Additional Information For questions related to registering for the course, please contact: Cathy Blood, Events Coordinator, blood@ wsu.edu, 509-335-2845

For any other questions. please contact: Faith Critzer, **Produce Safety Extension** Specialist faith.critzer@wsu. edu, 509-786-9203

Payments: No checks, only credit cards or debit cards.

Register for PSA GT Moses Lake • Feb. 11 Grant County Fairgrounds, Huck

Fuller Building, 3953 Airway Dr N.E. Class size limited to 30 peo ple. Fee: \$50/ per person Register for PSA GT

Manson, Feb. 16 Manson Grange, 157 E. Wapato Way.

NCW Tree Fruit Days January 20, 27-29 in Chelan, Wenatchee, February 11 in Omak

By WSU TREE FRUIT RESEARCH AND EXTENSION CENTER

NCW - Join us for WSU Tree Fruit Extension Programs in North Central Washington on January 20, 27, 28, 29, February 11, 2020. Co-sponsored by Northwest Cherries, Pear Bureau Northwest, NCW Fieldmen's Association, Chelan Future Farmers of America and the Okanogan Horticultural Association. These events provide the latest research-based information on horticulture, pest and disease management. We hope you will join us to network and learn this winter. For agendas and additional information visit treefruit.wsu. edu/events. Pesticide update credits will be awarded for program attendance: 2-3 credits per session dependent on WSDA approval. Pre-registration is not necessary for event attendance.

Networking lunch available this year. Pre-registration required for lunch. Networking lunch provides an opportunity to learn and network with your peers and visiting speakers. Register for lunch at https://treefruitdays_networkinglunch. eventbrite.com Thank you to lunch sponsors FMC and Orchard and Vineyard Supply.

Lake Chelan Horticultural Day Monday January 20 • 9:00 a.m.-3 p.m. Chelan High School See Agenda page 6

North Central Washington Apple Day Monday January 27 · 8:45 a.m.-3:30 p.m. **Wenatchee Convention Center** Co-Sponsored by WSU Extension and NCW Field

men's Association Topics include: Strategies to Minimize Bitter Pit; Extending Post Harvest Storability; Cropload Management; Bringing Economics to the Table; WSU Pesticide Spray Evaluator: A New Tool to Optimize Codling Moth Spray Timings; Mass Trapping for Codling Moth Control; Sterile Insect Release for Codling Moth Control; Entomopathogenic Nema todes. Agenda at http://treefruit.wsu.edu/event/ncw-

Manejo de Frutales Wednesday January 27 • 1-3:30 pm **Wenatchee Convention Center**

Topics include: Identificación y eliminación de la nueva enfermedad de la cereza: Little Cherry and X Disdisease: Little Cherry Disease and X Disease); Prácticas seguras de uso de pesticidas (Safe Pesticide Application Practices); Manejo de Fuego Bacteriana (Fire Blight); Entrenamiento Para el Uso de Paraquat (Paraguat Herbicide Training); Prevención de Podredumbre Gris (Grey Mold Prevention). Agenda at

http://treefruit.wsu.edu/event/manejo-de-frutales/ North Central Washington Pear Day Tuesday January 28 • 8:45 a.m.-3:30 p.m. **Wenatchee Convention Center**

Co-sponsored by WSU Extension and Pear Bureau Northwest Topics include: Irrigation for Fruit Quality; How Can we Make Mature Canopies More Efficient?; Marketing

and Promotion Updates: Pesticide and Water Quality; Native Psyllids in WA and OR - How Might They Impact Pear Psylla? Adding Natural Enemies to the IPM Toolbox; Singing Psyllids. Agenda at http://treefruit.wsu.edu/event/ncw-pear-day-2020/

North Central Washington Stone Fruit Day Wednesday January 29 • 8:30 a.m.-3:30 p.m. Wenatchee Convention Center

Co-Sponsored by WSU Extension and NW Cherries Topics include: Cherry Markey; Blue Orchard Bees for Improving Pollination; New Rootstocks and Varieties; Horticultural Updates; Western X and Little Cherry Virus Symptoms, Vectors, and Management; Dangers of Dagger ad Root Lesion Nematodes in WA; Cherry Powdery Mildew Management and Fungicide Resistance. Agenda at http://treefruit.wsu.edu/event/ncw-

Okanogan Horticultural Society Meeting Tuesday, February 11 8:45 a.m.-2:45 p.m. English Session 2:45 pm to 4:45 pm Spanish Session

Agriplex, Omak Co-Sponsored by Okanogan Horticultural Society Topics include: Successful Codling Moth Management: Don't Forget the Basics; Hitting the Target: Using the New WSU Spray Evaluator to Optimize Spray Timings; Adding SIR to the Codling Moth Toolbox; Mass Trapping to Massively Reduce Your Codling Moth Problem – Does it Work?; Thinking Forward – Marketing Trends, Looking at the Dollars, Tips to Stay Relevant and Continue Farming in the Current Market; Cosmic Crisp® Release; X Disease and Little Cherry Virus: A Looming Threat – Be Ready; Psylla Management; Afternoon Spanish Session: Identificación y eliminación de la nueva enfermedad de la cereza: Little Cherry and X Disease (Identification and elimination of the new cherry disease: Little Cherry Disease and X Disease); Prácticas seguras de uso de pesticidas (Safe Pesticide Application Practices); Actualización de los requisitos para usar Paraquat, licencias de pesticidas y nueva página de Internet de WSDA. (New requirement for Paraquat users, Licensing and WSDA website updates). Agenda at http://treefruit.wsu.edu/event/okanogan-

Pre- and Post-harvest Disease Management workshop

By WSU TREE FRUIT Research and

Storage Rots Management: from Orchard to Packing March 4

8:30 a.m.-3:00 p.m. Confluence Technology Center in Wenatchee WENATCHEE - Join us to learn about best management practices to fight pre and postharvest pathogens which cause rots and continue to challenge the pome fruit industry. This event is targeted towards pome fruit growers, packers, field and warehouse workers, extension specialists, industry representatives, consultants and others interested in learning about best management practices in orchards and packinghouses to reduce the impact of postharvest rots and

increase pack-out. The event includes presentations, activities, quizzes, and networking opportunities.

For agendas and additional information, visit http://treefruit.wsu.edu/ event/postharvest-workshop/. The Pre- and Postharvest Disease Management Workshop is sponsored by Washington State University Extension with support from the Washington Tree Fruit Research Commission, Syngenta Crop Protection, and Pace International.

Six hours of training and



Ashour Amiri. Pome Fruit Postharvest Pathologist, WSU Tree Fruit Reserach and Extension Center

interactive activities will include introduction to pre and postharvest rot pathogens and their occurrence in the PNW; timeline of infections from bloom to

packing; best management practices in conventional systems, cultural control and fungicide resistance occurrence and mitigation. Participants will build a foundation for best management practices of major postharvest rots; learn the latest research-based information for effective management; understand how and when major pathogens infect flowers and fruit; better understand the risks of fungicide resistance and how to minimize its effect on disease management.

For more information: Ashour Amiri, Pome Fruit Postharvest Pathologist, WSU Tree Fruit Reserach and Extension Center, 509-293-8752, email: a.amiri@ wsu.edu





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SATURDAY January 25, 2020 8:00 a.m.

This conference is for women farmers and anyone who works with women farmers. If you have been farming for years, are a new and aspiring farmer, a banker, lender or in the agricultural industry, this conference is for you!

Enjoy a day of inspiration, learning and networking with other women farmers. Our one-day gathering takes place simultaneously throughout Washington, Idaho, Montana, Alaska and Hawaii!

Registration is \$30 and includes a light breakfast, lunch and conference materials!

Three locations in North Central Washington Wenatchee, Nespelem and Call 509-745-8531 for more information

WomenInAg.wsu.edu

Register on our website at

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