



# Horticulture 2021

## Tree Fruit Days 2021 webinar series starts Jan. 18

BY WSU TREE FRUIT RESEARCH AND EXTENSION CENTER

Join WSU Tree Fruit Extension for a webinar series Jan 18 to 22. This series is designed to bring you research-based information while maintaining your safety from Covid19. Each webinar is 30 to 50 min. Choose 13 webinars the topics that most interest you.

Nine sessions offer 1 pesticide update credit approved by WSDA and ODA (marked with an asterisk\*).

Co-sponsors NCW Fieldmen's Association, NW Pears, NW Cherry Growers Register at [treefruit.wsu.edu/events](http://treefruit.wsu.edu/events)

Contact: Tianna DuPont, WSU Extension, (509) 293-8758, [tianna.dupont@wsu.edu](mailto:tianna.dupont@wsu.edu)

**Jan. 18, 9 a.m. - Organic Apple Mildew Management\***, Ashour Amiri, WSU Plant Pathology. Using new research results to improve your powdery mildew management.

**Jan. 18, 10 a.m. - The Latest Fire Blight Research\***, Kerik Cox, Cornell; Ken Johnson, OSU; Kari Peter, PSU; Tianna DuPont, WSU

**Jan. 18, 1 p.m. - Selecting New Varieties.** Bill Dodd, Midwest Apple Improvement Association, Dr Brewster, Plant and Food New Zealand

**Jan. 19, 9 a.m. - Mating Disruption as a Basis for**

**Apple IPM\***. Don Thomson, Pacific BioControl; Coverage is Key in Apple IPM\* Gwen Hoheisel, WSU Extension. How MD works: competitive attraction. Higher populations are more difficult to control. Aerosol emitter BMPs. Potential of resistance. Coverage is essential and there are some key components that should be looked at this year to ensure that spray is reaching all areas of the canopy.

**Jan. 19, 11 a.m. - Codling Moth Apple IPM - Don't Forget the Basics, SIR Update\***, Betsy Beers, Matt Jones WSU Entomology. Success is influenced by weather. Monitoring basics. Rotate products. Virus in conventional IPM. Organic programs. Using cultural controls. Incorporating SIR into your IPM program successfully.

**Jan. 19, 1 p.m. - The Labor Piece of the Production Puzzle.** Karen, Lewis, WSU Extension. De-leafers, Cyclone, Scout, pedestrian orchards.

**Jan. 20, 9 a.m. - Pear IPM\***. Louis Nottingham, WSU Entomology. Key components to successful pear IPM programs. Latest research.

**Jan. 20, 10 a.m. - Using Honeydew Washing to Improve Pear IPM\***. Chris Stroh, WSU Extension. Case studies and research results from 2020.

**Jan. 20, 1 p.m. - Irrigating Pears for Quality.** Lee Kalcits, WSU Horticulture. This webinar will provide the latest research on irrigating pears for high quality fruit from WSU's Lee Kalcits.

**Jan. 21, 9 a.m. - X-disease and Little Cherry Virus\***. Scott Harper, WSU Pathology; Tobin Northfield, WSU Entomology; Louis Nottingham, WSU Entomology; Cody Molnar, WSU Extension. Symptoms and Sampling. New biology information: symptom types and biological effects per-variety. Vector ID, biology and management. New vector management study results. New vector management product trial results. Tree removal case studies.

**Jan. 21, 1 p.m. - Cherry Powdery Mildew Product Resistance\***. Gary Grove, WSU Pathology. Cherry mildew has been quickly evolving resistance to key fungicides in Washington. Dr Gary Grove will describe new research which has found that resistance to group 3 and 11 fungicides in all production regions as well potential as resistance in other groups.

**Jan. 22, 9 a.m. - Rodent Control for Orchards\***. Roger Baldwin, UC Davis. Efficacy of common and new rodenticides, burrow fumigants and repellents.

**Jan. 22, 10 a.m. - Apple Thinning\***. Poliana Francescatto, Valent BioSciences. How PGRs and PGR-like compounds can manipulate two of the most common practices: fruit thinning and flower formation. Current and new products.

**Jan. 22, 1 p.m. - Matching Rootstocks to Scions and Varieties.** Jenny Bolivar, WSU Extension. Major characteristics of common rootstocks.

SEE WEBINARS ON PAGE B2

## Group viewing for Recertification Credits

BY WSU TREE FRUIT RESEARCH AND EXTENSION CENTER

Washington State University is offering group viewing for their webinar courses. Webinars are suitable for pesticide applicators in turf, landscapes, agriculture, rights of way, industrial areas, and more. Interested parties may request to sponsor a group-viewing session. The approval process takes about two weeks.

For more information about this and to submit the request forms visit their website (<https://pep.wsu.edu/group-viewing/>). You can also email questions to [pest@wsu.edu](mailto:pest@wsu.edu) or call 509-335-2830.

## Cherry Institute to be Jan. 21

BY WSU TREE FRUIT RESEARCH AND EXTENSION CENTER



Louis Nottingham, WSU Entomology; Cody Molnar, WSU Extension

Symptoms and Sampling. New biology information: symptom types and biological effects per-variety. Vector ID, biology and management. New vector management study results. New vector management product trial results. Tree removal case studies. To register for this webinar visit <http://treefruit.wsu.edu/event/lcd-webinar/>

**Jan. 21, 1:15-1:50 p.m. - Cherry Powdery Mildew Management & Fungicide Resistance Results\***. Gary Grove, WSU Pathology

Biological, cultural controls, spray rotations, and results

**Jan. 21, 9:50 a.m. - Elec-**

tions

**Jan. 21, 10-10:50 a.m. - Q&A on X-disease and Little Cherry Virus.** Scott Harper, WSU Pathology; Tobin Northfield, Louis Nottingham, WSU Entomology; Tianna DuPont, WSU Extension

Join us for discussion questions and answers on X-disease and Little Cherry Virus biology and management.

To register for this webinar visit <http://treefruit.wsu.edu/event/lcd-webinar/>

**Jan. 21, 1:15-1:50 p.m. - Cherry Powdery Mildew Management & Fungicide Resistance Results\***. Gary Grove, WSU Pathology

Biological, cultural controls, spray rotations, and results

SEE CHERRY ON PAGE B2

## WSU Women in Agriculture Conference postponed for 2021

SUBMITTED BY WSU EXTENSION

The 2021 Women in Agriculture Conference has been postponed due to the health restrictions and safety requirements placed on events due to COVID-19.

According to Margaret Viobrock, WSU Extension Director in Chelan and Douglas Counties and Conference Coordinator, "this was a hard decision to make, because this event is a very popular gathering for women involved in

agriculture."

It is the largest event in the Northwest that addresses the needs of women farmers, aspiring farmers and women who support their family farms.

The Women, Farms & Food project began in Washington in 2005 with Washington State annual conferences offering speakers, practical advice, collaborative discussion, and networking opportunities. During the last 15 years this program evolved to a six-state conference presented through Zoom technology to as many as 40 locations with 650 women participating.

Since the first conference, the planning process has

always been women-driven. It is primarily planned, facilitated, and taught by women. The focus groups, planning teams and evaluations have and continue to say, "we want to meet and talk with other women farmers, find out more about what they do and how they manage their lives and we need good information to be successful." Women farmers face unique challenges with the demands of both the farm and family. Equally important is the challenge to take care of themselves and, potentially, to care for extended family.

"Many attendees say this is

SEE WOMEN ON PAGE B2

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# 2021 expected to be profitable for Northwest agricultural commodities

SUBMITTED BY NWFCS

SPOKANE – Northwest Farm Credit Services, the Northwest's leading agricultural lending cooperative, has released its quarterly Market Snapshot reports covering the state of major agricultural commodities in the region. Northwest FCS teams throughout Idaho, Montana, Oregon and Washington monitor conditions and report outlooks for commodities financed by the co-op.

All Market Snapshots are posted online at Industry Insights.

Northwest FCS' 12-month outlook for the agricultural

commodities most common in the Northwest are summarized below.

**Hay** – The 12-month outlook for the hay industry calls for slightly profitable returns. In 2021, the hay market will focus on modestly optimistic fundamentals. A weaker dollar favors exports, and higher prices for protein substitutes, like soybean meal, will provide tailwinds to hay producers.

**Row Crops**

**Onions** – Onions are forecast to provide break-even returns over the next 12 months. Supply and demand indicate prices could increase, yet producers are sensitive to contin-

ued COVID-19 restrictions in the food service industry.

**Potatoes** – Slightly profitable returns are expected for potato producers. Processors' demand for uncontracted potatoes is restrained as the COVID-19 situation continues to dampen restaurant demand for processed potato products, such as french fries.

**Sugar Beets** – Sugar beet growers should see profitable returns for the 2020-21 season. The USDA forecast suggests stocks-to-use ratios will continue to decrease from 14.2% in 2019-20 to 13.5% in 2020-21, a favorable ratio for Northwest producers.

**Tree Fruit**

**Apples** – Apple growers can expect to see slightly profitable margins. A smaller crop and solid demand should increase prices. However, sev-

eral quality issues have challenged growers this season. Quality will be a key driver of individual growers' profits.

**Cherries** – Overall, profitable margins are anticipated for cherry growers. Reduced supply coupled with strong domestic demand helped sustain high pricing, which will translate into strong margins for growers. However, those with measurable losses in tonnage may not have had enough fruit to capture returns and will be reliant on crop insurance.

**Pears** – The 12-month profitability index forecasts slightly profitable returns for pear growers. Although demand has been lackluster the last few years, increased pricing indicates demand may be finding some higher ground. Good quality will

also increase growers' returns.

**Wheat** – The outlook calls for slightly profitable returns for wheat growers. The USDA's projected 2020-21 season average farm price for all-wheat is \$4.50 per bushel. Current markets are showing a higher average of \$4.70 to \$4.80 per bushel from the 2019-20 season. High yields and government payments will partially offset otherwise break-even wheat prices.

**Wine/Vineyard** – Slight profits are expected for both vineyards and wineries, although it's a mixed bag for both. Lower grape yields and bulk wine supplies should support improved grape markets, but fundamental oversupply issues remain. Some wineries in the retail and direct to consumer chan-

nels are having record sales; however, wineries reliant on tasting rooms, events or other in-person sales are left with limited options to generate revenue.

About Northwest FCS  
Northwest FCS is a \$13 billion financial cooperative providing financing and related services to farmers, ranchers, agribusinesses, commercial fishermen, timber producers, rural homeowners and crop insurance customers in Montana, Idaho, Oregon, Washington and Alaska. Northwest FCS is a member of the nationwide Farm Credit System that supports agriculture and rural communities with reliable, consistent credit and financial services. For more information, go to northwest-fcs.com.

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## WOMEN

the best conference for women farmers, because it presents practical information they can use right away," Viebrock said.

Program evaluations over the years have shown that women farmers have developed their farm vision to meet their financial, marketing and production goals. They have

improved their financial record keeping, now have a business plan and follow it, developed marketing skills, and can now use their financial records to analyze their profitability.

Farming is risky business and women farmers benefit from the support of other women. Many conferences have switched to a totally technology-driven event, and Viebrock added, "I felt we could not fulfill the major objective of offering women an opportunity to net-

work as they have consistently said is one of the main reasons they attend. Sitting together, sharing ideas and personal concerns, and offering solutions could not be accomplished virtually.

To stay connected with this program and other women in agriculture, women are encouraged to visit the website at www.womeninag.wsu.edu and add themselves to the Constant Contact list and join the Women in Ag conversations

on social media. Many area farm businesses, women employed in the agriculture industry and financial instructions support the conference with their contributions to scholarships, speaker stipends, educational materials, and conference meals.

Businesses interested in supporting the 2022 conference and other educational opportunities for women farmers are encouraged to contact Viebrock at viebrock@wsu.edu.

## WEBINARS

Overview of data of honey-crisp on different rootstocks. Case studies of success.

Please note that in order to try to accommodate the ability to receive pesticide credits each webinar has individual registration. We apologize for the inconvenience.

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

## CHERRY

from a new pesticide resistance study. To register for this webinar visit <http://treefruit.wsu.edu/event/cherry-powdery-product-resistance/> \*Qualifies for 1 pesticide update credit with WSDA approval.

Horticulture Updates  
• Matt Whiting, WSU Horticulture, WSU IAREC. ON DEMAND available at <http://treefruit.wsu.edu/education-training/expert-presentations/> starting Jan. 21, 2021.  
• 2020 Northwest Cherry Season by the Numbers B.J. Thurlby, Northwest Cherry

Growers  
Domestic Market: The Pandemic Powerhouse James Michael, Northwest Cherry Growers  
Marketing Cherries Internationally During a Pandemic Keith Hu, Northwest Cherry Growers

ON DEMAND available at <http://treefruit.wsu.edu/education-training/expert-presentations/> starting Jan 21, 2021.

Blue Orchard Bees for Improving Pollination  
Theresa Pitts-Singer, USDA ARS

ON DEMAND available at <http://treefruit.wsu.edu/education-training/expert-presentations/> starting Jan 21, 2021.

Orchard Systems for Labor Efficiencies and Profits  
Greg Lang, Michigan State University

10-year summary of NC140 trial of TSA, KGB, SSA, and UFO canopy architectures comparison with economics and labor results.

ON DEMAND available at <http://treefruit.wsu.edu/education-training/expert-presentations/> starting Jan 21, 2021.

Contacts:  
Cherry Institute, Northwest Cherry Growers: Kathy Keeth [cherryinstitute@wastatefruit.com](mailto:cherryinstitute@wastatefruit.com);

WSU Extension: Tianna Dupont [tianna.dupont@wsu.edu](mailto:tianna.dupont@wsu.edu) (509) 293-8758; Gwen Hoheisel [gwhoheisel@wsu.edu](mailto:gwhoheisel@wsu.edu)

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