WEATHER THE STORM

and Prepare for Progress in Smoother Sailing



117th Annual Meeting & NW Hort Expo

Yakima, Washington December 6, 7 & 8, 2021

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year ago, Annual Meeting Chairman Gary Snyder said, "2020 has been a year like no other." From my perspective, 2021 has felt all too much like 2020.

While it is tempting to despair at problems that seem intractable, I am optimistic. The Washington tree fruit industry has many challenges laid before us, and many seem beyond our abilities to control. While these challenges are great and numerous, I still believe we can have a bright future; we only need to survive this onslaught. I don't have all the answers, but I believe the content we've put together this year for the Washington State Tree Fruit Association's 117th Annual Meeting and NW Hort Expo will help guide you and your team toward them.

Many of these solutions are found outside formal presentations, and attending the show is a great way to see and talk with friends and associates. Unfortunately, we were unable to do that in 2020. Many of us are anxious



We live in a region that is second to none in producing fine fruits that feed the world. We have a wealth of talent to overcome the challenges put in our path. I think these factors are reasons for us to be optimistic for our future.

to return to in-person meetings and I'm happy to say, as I write this in October, we expect the Annual Meeting and NW Hort Expo will be held in-person at the Yakima Convention Center and Yakima Valley SunDome. We understand that some people may not be able to attend in person; for those folks, the meetings are being recorded and made available for later viewing.

This year our keynote speaker is Peter Zeihan. Many of us have heard him speak at prior meetings, seen his videos and updates, and read his books on geopolitics. He will be speaking to us on how the last 18 months have changed the global system. I believe his macro-level view of current events will give us a peek into our fruitful future. Following Zeihan will be our Batjer Address from Mike Willett, who has decades of experience in tree fruit industry science and policy and will be able to give us insight on how we can mitigate our current challenges and make it to those smoooooth seas.

Our session managers have been hard at work lining up speakers and panelists for this year's show. We will be discussing technology, horticulture, safety, finance and human resources topics. Also, on Monday afternoon we will be having research news flashes. These five-minute updates from the research community are often cutting-edge and stimulating.

We live in a region that is second to none in producing fine fruits that feed the world. We have a wealth of talent to overcome the challenges put in our path. I think these factors are reasons for us to be optimistic for our future. The Washington State Tree Fruit Association, North Central Washington Fieldmen's Association, and the Yakima Pom Club thank you for attending the show. I would like to thank them, the session managers, speakers, vendors and, lastly, our sponsors. This dedicated crew will help ensure we all have the skills needed to weather current storms and make it to port.

Jordan Matson

2021 WSTFA Annual Meeting Committee Chair

WSTFA Mission Statement

The WSTFA's mission is to add value to all segments of the tree fruit industry through educational programs and conferences, statistics to enable growers and packers to plan for market opportunities, and engagement in Washington State government affairs to help address the market uncertainty driven by government policy.

2021 ANNUAL MEETING PLANNING COMMITTEE

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Washington State Tree Fruit Association 117th Annual Meeting & NW Hort Expo

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WSTFA Annual Meeting & NW Hort Expo



WASHINGTON STATE TREE FRUIT ASSOCIATION (WSTFA) 117TH ANNUAL MEETING AND NW HORT EXPO

Yakima, Washington, December 6, 7 & 8, 2021 Annual Meeting Sessions: Monday, Tuesday & Wednesday NW Hort Expo/Trade Show: Monday, Tuesday & Wednesday Spanish Language Session: Tuesday

EARLY PACKET PICK-UP HOURS

Sunday: 2:00 p.m. – 6:00 p.m. Lobby of the Yakima Convention Center

Annual Meeting Registration Hours

Sponsored by Banner Bank

Monday & Tuesday: 6:30 a.m. - 5:00 p.m. Wednesday: 7:30 a.m. - 12:00 p.m.

SPANISH SESSION REGISTRATION

Sponsored by G.S. Long Co., Inc. Tuesday: 6:30 a.m. – 9:00 a.m.

 SPANISH LANGUAGE SESSION 1 Tuesday 8:00 a.m. - 12:00 p.m.

 SPANISH LANGUAGE SESSION 2 Tuesday 1:00 p.m. - 5:00 p.m.

 Yakima Convention Center, Ballrooms E, F, & G

 See Pages 30-32

NW HORT EXPO/TRADE SHOW HOURS

Convention Center: Monday-Tuesday 8 a.m.-5 p.m., Wednesday 8 a.m.-Noon

SunDome: Monday 10 a.m. – 7 p.m. (Networking Social, 4 – 7 p.m.) Tuesday 8 a.m. – 5 p.m. and Wednesday 8 a.m. – Noon

NW Bus Sales is sponsoring a shuttle service from the Yakima SunDome to the Yakima Convention Center.

Parking is free at the Yakima SunDome.

See Details on Pages 12–14

WSTFA Leadership Luncheon

Yakima Convention Center

Monday: 12:00 p.m. - 1:00 p.m.

WSTFA BANQUET

Yakima Convention Center

Tuesday: Reception: 6:00 p.m. Banquet: 7:00 p.m.

MONDAY

8:00 9:00	Weather the Storm and Pr for Progress in Smoother			
10:00	8:00 a.m. – 12:00 p.m. Yakima Convention Center, Ballro	om l	E, F & G	
11:00	See Page 16			
Noon 	WSTFA Leadership Luncheon, 12:0 Yakima Convention Center, Ballroo			
2:00	What Can We Do to Weather The Storm		Research News Flash 1:30 p.m. – 5:00 p.m.	
3:00 4:00	1:30 p.m. – 5:00 p.m. Yakima Convention Center,		Yakima Convention Center, Ballroom C	
5:00	Ballroom E, F & G See Page 18		See Pages 22–24	

TUESDAY

WAEF Alumni Breakfast, 7:00 a.m., Yakima Convention Center Communicating Success, 10:30 a.m. – 11:30 a.m., Yakima Convention Center, Ballroom B (See Page 26)

8:00 KNOWING AND MANAGING INTERDISCIPLINARY **POSTHARVEST DECAYS** 9:00 **Approaches to Overcome** 8:00 a.m. - 12:00 p.m. **CHALLENGES IN TREE FRUITS** 10:00 Yakima Convention Center, 8:00 a.m. - 12:00 p.m. Ballroom C Yakima Convention Center, 11:00 See Page 28 Ballroom D See Page 26 Noon 1:00WSDA PESTICIDE IMPLEMENTING TECHNOLOGY 2:00 **UPDATE/TRAINING** 1:30 p.m. - 5:00 p.m. Yakima Convention Center, 1:30 p.m. - 3:30 p.m. 3:00 Ballroom D Yakima Convention Center, See Page 34 Ballroom C 4:00See Page 34 5:00

WSTFA Banquet, 6:00 p.m. – 9:00 p.m. Evening Yakima Convention Center, Ballroom C

WEDNESDAY

8:00			 	
	NAVIGATING	THE LEGAL	 WA38 COSMIC CRISP	
9:00	MINEFIELD		8:30 a.m. – 12:00 p.m.	
10:00	8:30 a.m. – 12:	00 p.m.	 Yakima Convention Center	ī,
10:00	Yakima Conver	ntion Center,	 Ballroom C	
11:00	Ballroom D		See Page 38	
		See Page 36	 ·	
Noon				

State FFA Apple/Pear Judging, 10:00 a.m. – 11:45 a.m. Student FFA Leadership Luncheon, 12:00 p.m. – 1:00 p.m.

YAKIMA CONVENTION CENTER AND YAKIMA VALLEY SUNDOME

Convention Center: Monday-Tuesday 8 a.m.-5 p.m., Wednesday 8 a.m.-Noon

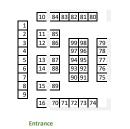
SunDome: Monday 10 a.m. - 7 p.m. (Networking Social, 4 – 7 p.m.) Tuesday 8 a.m. - 5 p.m. Wednesday 8 a.m. - Noon

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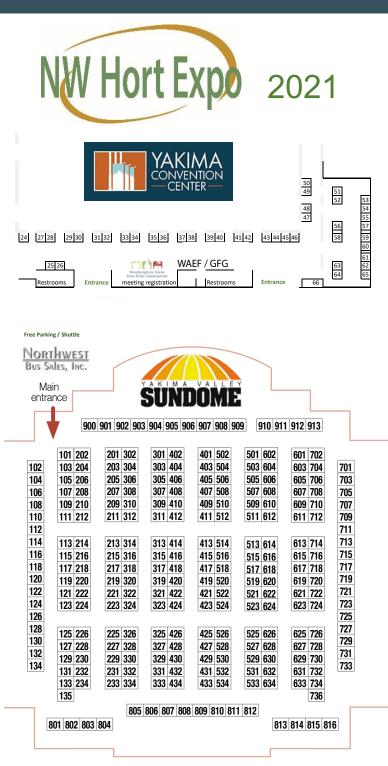




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Continued on Page 14



WSTFA Annual Meeting & NW Hort Expo

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14 WSTFA Annual Meeting & NW Hort Expo

Weather the Storm and Prepare for ProgressIn Smoother Sailing8:00 a.m. - 12:00 p.m.

Session Sponsor: Northwest Farm Credit Services Session Manager: Jordan Matson, Annual Meeting Chair Location: Yakima Convention Center, Ballroom E, F & G

- 8:00 Welcome Jordan Matson, WSTFA Chairman of the Board & Annual Meeting Chairman
- 8:05 Weather Forecast

State and Local Issue Update – Jon DeVaney, President, Washington State Tree Fruit Association

Federal and Trade Update – Mark Powers, President, Northwest Horticultural Council

USApple Update – Diane Kurrle, Senior Vice President, US Apple Association

Tree Fruit Buyer Update – *Craig Green, President and CEO, Tree Top, Inc.*

9:55 Remarks From Keynote Speaker Sponsor – The Northwest Seaport Alliance



THE NORTHWEST SEAPORT ALLIANCE

10:00 Keynote Address: Life After Deglobalization – Peter Zeihan, Geopolitical Strategist, Zeihan on Geopolitics

11:20 42nd Batjer Address, Crowdsourcing the Way Forward: A Reflective Look at the Future – Dr. Mike Willett, Director, Integrated Plant Health Strategies LLC

WSTFA Leadership Luncheon

12:00 P.M. - 1:00 P.M.

Session Sponsor: KeyBank

Host: Jon DeVaney, President, Washington State Tree Fruit Association

Guest Speakers: Rep. Larry Springer (D), Deputy Majority Leader; Rep. Larry Hoff (R), Ranking Republican Member of the House Labor and Workplace Standards Committee.

Location: Yakima Convention Center, Ballroom D

BOARD & COMMISSION NOMINATIONS

Location: Yakima Convention Center, Ballroom E, F & G

1:15 Board & Commission Nominations, WSDA



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What Can We Do to Weather The Storm

1:30 P.M. - 5:00 P.M.

Session Sponsor: Phytech Session Manager: Jared England, General Manager, Manson Growers Location: Yakima Convention Center, Ballroom E, F & G

- 1:30 Welcome and Introductions Jared England, General Manager, Manson Growers
- 1:35 Washington State Department of Agriculture Update Derek Sandison, Director, Washington State Department of Agriculture
- 1:50 Washington State University Update Richard Koenig, Interim Dean, College of Agricultural, Human, and Natural Resource Sciences
- 2:00 Understanding Crop Economics:

Apples – Todd Fryhover, President, Washington Apple Commission Cherries – BJ Thurby, President, Washington State Fruit Commission Pears – Kevin Moffitt, President & CEO, Pear Bureau Northwest

- 3:30 Break
- 3:40 Equipment Vendor Panel
- 4:20 Tech Vendor Panel

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Research News Flash

1:30 P.M. - 4:00 P.M.

Session Sponsor: Advancing Eco Ag

Session Manager: Dr. Jenny Bolivar-Medina, Tree Fruit Extension Information Technology Transfer Specialist, WSU Location: Yakima Convention Center, Ballroom C

1:30 Introduction – Jenny Bolivar-Medina, WSU Extension

TREE FRUIT BREEDING

- 1:36 Improving fruit set in hand-emasculated crosses in sweet cherry with growth regulators. Embryo rescue in early ripening varieties of sweet cherry. – *Rainier W. Peters, WSU - IAREC*
- 1:42 WSU Apple Breeding Program Phase 3 Francisco Sarmiento, WTFRC

TREE FRUIT PHYSIOLOGY

1:48 **Exploring the influence of rootstock genotype and soil type on** microbial nitrogen cycling in the apple rhizosphere – *Ashley Heuchert, USDA-ARS*

1:54	WA 38 greasiness incidence in pre-commercialization plantings
	– Ines Hanrahan, WTFRC

2:00 Chemical thinners and PGRs for WA apples – *Tory Schmidt*, WTFRC

POSTHARVEST PHYSIOLOGY

- 2:06 WA 38 starch scale for the Washington State apple industry Gabriela Bolaños, WTFRC
- 2:15 Q&A

TREE FRUIT PHYSIOLOGY/PEST MANAGEMENT

2:26 Is root cell lignification a crucial factor contributing to apple rootstock resistance to replant disease? – Yanmin Zhu, USDA-ARS

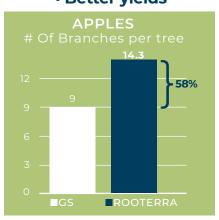
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Research News Flash Schedule

NEW AG TECHNOLOGY

2:32	Multi-scale remote sensing data driven apple crop water use mapping – <i>Abhilash K. Chandel, WSU-Biological Systems</i> <i>Engineering</i>
2:38	Pneumatic fixed spray delivery system optimized for efficient chemical applications in modern apple orchards – <i>Ramesh K.</i> <i>Sahni, WSU-Biological Systems Engineering</i>
2:44	Crop physiology sensing system for abiotic stress management in specialty fruit crops – Basavaraj Rajkumar Amogi, WSU- CPAAS
2:50	Little cherry disease detection in Sweet Cherries using field asymmetric ion mobility spectrometry – Gajanan S. Kothawade, WSU-Biological Systems Engineering

Domoto Codling Moth (Cudia Domonalla) nonulation

PEST MANAGEMENT

2.56

2.30	monitoring: an open-source imaging system plug-in for pheromone traps – M. Jacob Schrader, WSU-Biological Systems Engineering
3:05	Q&A
3:16	Linking microbial taxa with function in artificially structured apple rhizosphere microbiomes – <i>Tracey Somera</i> , USDA-ARS
3:22	Effective Monitoring of Codling Moth under Mating Disruption – Alan L. Knight, Instar Biologicals
3:28	Four major Penicillium species cause blue mold of pomes in Washington packing houses – Prashant Swamy, WSU-TFREC
3:34	Assessing fitness cost in <i>Penicillium expansum</i> isolates with resistance to multiple fungicides – Jonathan Puglisi, WSU-TFREC
3:40	Host Use and Development of X-Disease Vector Colladonus montanus reductus – Abigail Clarke, WSU-TFREC
3:46	Pesticide residues on WA apples and cherries – <i>Gerardo Garcia,</i> WTFRC
3:52	Q&A
4:05	Adjourn



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Tuesday, December 7

WAEF ALUMNI BREAKFAST

7:00 A.M.

Sponsor: Washington Apple Education Foundation Host: Jennifer Witherbee, Washington Apple Education Foundation Location: Vineyard Ballroom, Holiday Inn RSVPs Must Be Made In Advance

COMMUNICATING SUCCESS

Location: Yakima Convention Center, Ballroom B

- 11:00 **Phytech** Phytech provides a farm management platform that helps growers connect directly to their plants. By monitoring tree, soil and fruit behavior in one easy-to-use app, growers can optimize yields, save water and energy, organize irrigation schedules and execute with precision. Discover the tools and information that are helping create data-driven action items in real time for many growers.
- 1:30 Advancing Eco Agriculture We're living in a moment where surging input prices and natural disasters are challenging farmers. Jason Hobson, CEO and Regenerative Ag Consultant at Advancing Eco Agriculture, will detail the company's experience in helping PNW farmers make more money by using data to reduce inputs and increase fruit quality with regenerative farming. What attendees will learn: principles of regenerative agriculture, data-focused input management and local examples of improvements on farms.
- 2:15 Vestaron Vestaron is leading the insecticide industry in a peptidebased revolution. With Vestaron's product offerings for pome and stone fruit, we have the chance to reset the resistance clock. We are bringing new MOAs to the industry, that compete against synthetics, but have the desired safety profile of a biological. Our products are MRL exempt, have a 0-Day PHI, and are safe to bees and beneficial insects.
- 3:00 Semios For the management of codling moth, the questions must be asked; does site-specific data actually improve management? In 2021 we conducted a meticulously sampled and replicated strip-plot trial to assess Semios' site-level program recommendations against the grower's standard program. In this trial the grower collaborator was able to reduce their program costs by ~\$800/acre while maintaining a minimum or equivalent performance through 30 minutes of interactions with the tool per week. Join us to learn more.

INTERDISCIPLINARY APPROACHES TO OVERCOME Challenges In Tree Fruits 8:00 a.1

8:00 A.M. - 12:00 P.M.

Session Sponsor: Corteva Agriscience

Session Manager: Dr. Tobin Northfield, Assistant Professor, WSU Location: Yakima Convention Center, Ballroom D

- 8:00 Welcome and Introduction Dr. Tobin Northfield, Assistant Professor, WSU
- 8:05 The Big Picture Takes Big Funding: The History Of State, Regional And Federal Projects In Tree Fruit IPM, And How The Industry Has Benefitted – Dr. Elizabeth Beers, Department of Entomology, WSU Tree Fruit Research & Extension Center



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Tuesday, December 7

- 8:25 Selecting the Right Rootstock Lays the Foundation for Orchard Success – Dr. Lee Kalcsits, Tree Fruit Physiology, WSU Tree Fruit Research & Extension Center
- 8:45 SCRI on Apple Precision Crop Load Dr. Stefano Musacchi, Endowed Chair for Tree Fruit Physiology and Management, WSU Tree Fruit Research & Extension Center
- 9:05 Forming National Partnerships to Identify Comprehensive Fire Blight Management Systems for the United States – Tianna DuPont, Tree Fruit Extension Specialist, WSU
- 9:15 Invasive Species, Part 1: Spotted-Wing Drosophila, the Pest that Wasn't Supposed to be Here – Dr. Elizabeth Beers, Department of Entomology, WSU Tree Fruit Research & Extension Center

9:30 Break

- 9:50 Invasive Species, Part 2: Brown Marmorated Stink Bug, the Pest that Was Bound to Show Up – Dr. Elizabeth Beers, Department of Entomology, WSU Tree Fruit Research & Extension Center
- 10:00 Codling Moth Taskforce Update Christopher Adams, Assistant Professor, OSU
- 10:20 Little Cherry Disease Taskforce Update Dr. Scott Harper, Director, Clean Plant Center Northwest; Dr. Tobin Northfield, Assistant Professor, WSU TFREC; Louis Nottingham, Research Assistant Professor of Entomology, WSU TFREC; Tianna DuPont, Tree Fruit Extension Specialist, WSU TFREC

Knowing and Managing Postharvest Decays: Field andWarehouse Perspectives8:00 a.m. - 12:00 p.m.

Session Sponsor: Valent

Session Manager: Dr. Achour Amiri, Assistant Professor, WSU Location: Yakima Convention Center, Ballroom C

- 8:00 Welcome and Introduction Dr. Achour Amiri, Assistant Professor, WSU
- 8:05 Know the Foes: Overview, Occurrence, and Infection Timeline for Major Rot Pathogens of Pome Fruit – Dr. Prashant Swamy, Plant Pathologist, WSU
- 8:45 **Optimization of Pre and Postharvest Decay Management Tactics** Dr. Achour Amiri, Assistant Professor, WSU

9:45 Break

- 10:00 The Past, Present and Future of Bin Sanitation: New Methods, Materials, and Approaches to Reduce Blue Mold During Storage – Dr. Wayne Jurick II, Lead Scientist & Research Plant Pathologist, USDA-ARS, Beltsville, MD.
- 10:45 Pear: Managing Gray Mold and Other Major Pear Decays in the Pacific Northwest – Dr. Achala N KC, Assistant Professor, Oregon State University
- 11:20 Update on efficacy of Organic Materials and Research Needed to Minimize Decay Impact in Honeycrisp – Dr. Achour Amiri, Assistant Professor, WSU

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SPANISH LANGUAGE SESSION 1

8:00 A.M. - 12:00 P.M.

Session Sponsor: FirstFruits Farms

Session Managers : Aylin Moreno, R&D Manager, Washington Fruit & Produce; Jacqui Gordon Nuñez, Director of Training, Education & Member Services, WSTFA; Flor Maldonado, President, M&A Orchards Location: Yakima Convention Center, Ballrooms E, F & G

- 8:00 Bienvenida e introducción / Welcome and Introduction Aylin Moreno, R&D Manager, Washington Fruit & Produce; Flor Maldonado, President, Maldonado Orchards
- 8:05 Nuevas regulaciones del medio ambiente y como navegarlas / New Environmental Regulations and How to Navigate them – Bradley Farrar, Statewide Agricultural Technical Specialist, Division of Occupational Safety and Health (DOSH), Washington State Department of Labor and Industries
- 8:35 Del campo al empaque y hacia las ventas. ¿Cómo me afecta? / From the Field to Packaging to Sales. How Does it Affect Me? – Daniel Valdovinos, Operations Manager, Enza Fruit Products Inc.
- 9:05 Estrategias de poscosecha desde el campo / Postharvest Strategies from The Field – Alfredo Reyes, Area Manager, Washington Fruit & Produce
- 9:35 Almacenamiento, transporte y desecho de pesticidas / Pesticide Storage, Transportation and Disposal – Jaime Ramón, Education & Compliance, WSDA Pesticide Management Division.
- 10:25 Receso / Break
- 10:35 El riesgo de patrones climáticos y la protección de polinizadores / The Risk of Weather Patterns and the Protection of Pollenizers – Noel Chavez, Kyle Mathison Orchards
- 11:05 Programa orgánico: registración y cambios en la clasificación / Organic program: registration and changes in classification – Flor Maldonado, President, Maldonado Orchards
- 11:35 Premio al Liderazgo Latino / Latino Leadership Award
- 11:55 Recursos Educativos / Educational Resources Erika Betancourt, Scholarship Specialist, Washington Apple Education Foundation



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SPANISH LANGUAGE SESSION 2

1:45 P.M. - 5:00 P.M.

Session Sponsor: Stemilt Growers

Session Managers : Flor Maldonado, President, Maldonado Orchards; Aylin Moreno, R&D Manager, Washington Fruit & Produce Location: Yakima Convention Center, Ballrooms E, F & G

- 1:30 Mantenimiento de equipo de aplicación de pesticidas y técnicas de calibración / Maintenance of pesticide application equipment, and calibration techniques – Moderator : Flor Maldonado, Maldonado Orchards. Panelists : Noel Chavez, Orchard Manager, Kyle Mathison Orchards & Juan Daniel Lopez, Orchard Manger, Washington Fruit & Produce
- 2:25 Programa de Liderazgo en Agricultura y otros recursos educativos / Agricultural Leadership Program (ALP) and other educational resources – Jacqui Gordon, Director of Training, Education & Member Services, Washington State Tree Fruit Association
- 2:35 La influencia que la calidad de manzanas tiene en ventas dependiendo de diferentes situaciones / The influence that apple quality has on sales depending on different situations – Juan Daniel, Orchard Manager, Washington Fruit & Produce

2:55 Receso / Break

- 3:05 Flexibilidad con programas de fuego bacteriano e identificación de riesgo / Flexibility with fire blight programs and risk identification – Tianna DuPont, WSU Regional Extension Specialist, Tree Fruit Extension & Aina Baro, WSU Extension Biotechnologist
- 3:55 Programa de Certificacion de Trabajadores Extranjeros H2A / H2A Program Overview, Foreign Labor Certification Program – Rene Maldonado, State Monitor Advocate, Washington State Employment Security Department
- 4:40 Recursos en español para la industria de árboles frutales del estado de Washington / Resources in Spanish for the Washington Tree Fruit Industry – Jenny Bolivar, Tree Fruit Extension Information Technology Transfer Specialist, WSU

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Tuesday, December 7

IMPLEMENTING TECHNOLOGY

1:30 P.M. - 5:00 P.M.

Session Sponsor: PGIM Session Managers: Tom Auvil; Mario Miranda Sazo, Fruit Extension Specialist, Cornell Cooperative Extension

Location: Yakima Convention Center, Ballroom D

- 1:30 Welcome and Introduction - Tom Auvil & Mario Miranda Sazo. Fruit Extension Specialist, Cornell Cooperative Extension
- 1:35 Technology Adoption - The Rules Of The Road And Lessons Learned Along The Way - Karen Lewis, Director, Washington State University Extension Agriculture and Natural Resources Program Unit

With Abundant Robotics - Why We Failed? - Curt Salisbury, Principal Scientist, Amazon

- 2:00 Physiology of Heat Stress and Mitigation Technologies - Dr. Lee Kalcsits, Tree Fruit Physiology, WSU Tree Fruit Research & Extension Center
- 2:35 FST and Other Sensor Technologies - Dr. Lav Khot, Associate Professor, WSU
- 3:05 What Does a Sensing Technology Need to Provide to be Implemented on a Commercial Setting - Gilbert Plath, Washington Fruit & Produce
- 3:25 Finding and Integrating Reliable Water Sensing Technologies – Drew Wahut, Process Engineer, Allan Brothers Fruit Company
- 3:40 Next Orchard? Apples, Pears, Cherries - Panel - Moderator: Mario Miranda Sazo, Fruit Extension Specialist, Cornell Cooperative Extension. Panelists: Travis Allan, Allan Brothers Fruit; Tom Auvil; Dale Goldy, Gold Crown Nursery

WASHINGTON STATE DEPARTMENT OF AGRICULTURE **PESTICIDE UPDATE/TRAINING** 1:30 P.M. - 3:30 P.M.

Location: Yakima Convention Center, Ballroom C

- 1:30 Pesticide Labels as a Preemptive and Informational Tool -Christopher Sutherland, Senior Pesticide Compliance Investigator, WSDA
- 2:30 The Worker Protection Standard: Sharing Investigator Experiences to Progress Industry's Understanding - Robert Sausedo, Pesticide Compliance Investigator, WSDA

WSTFA BANQUET

6:00 P.M. - 9:00 P.M.

Banquet Sponsor: Good Fruit Grower Hors d'Oeuvres Sponsor: Wilbur-Ellis

Location: Yakima Convention Center, Ballroom C

- 6:00 Reception; Connecting with Research News Flash presenters and WSU Apple Tasting
- 7:00 **Dinner & Awards**
- 34 WSTFA Annual Meeting & NW Hort Expo



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Julie Bosma. Grower at Bosma Ag Enterprises

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NAVIGATING THE LEGAL MINEFIELD

8:30 A.M. - 12:00 P.M.

Concurrent Session

Session Sponsor: Semios

Co-Session Manager: Zach Williams, Director of Human Resources, Stemilt Growers

Location: Yakima Convention Center, Ballroom D

- 8:30 Welcome and Introductions - Zach Williams, Director of Human Resources, Stemilt Growers
- 8:35 How to Manage Farm Labor Contracts - Brendan Monahan, Partner, Stokes Lawrence & Sarah Wixson, Partner, Stokes Lawrence
- 9:35 Downtime in Agriculture - Brendan Monahan, Partner, Stokes Lawrence & Sarah Wixson, Partner, Stokes Lawrence
- 10:25 Changes and Updates to the H-2A Temporary Guest Worker Program - Joe Martinez, Founder & CEO, Cierto





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WA 38 | COSMIC CRISP®

8:30 A.M. - 12:00 P.M.

Concurrent Session

Session Sponsor: AgroFresh

Session Manager: Karen Lewis, Director, Washington State University Extension Agriculture and Natural Resources Program Unit

Location: Yakima Convention Center, Ballroom C

- 8:30 Welcome Karen Lewis, Director, Washington State University Extension Agriculture and Natural Resources Program Unit
- 8:40 WSU Remarks on Cosmic Crisp* Scot Hulbert, Associate Dean, CAHNRS, WSU
- 8:55 Update on Activities in Enforcing Cosmic Crisp* Trees and Brand Standards – Albert Tsui, Business Development Specialist, CAHNRS, WSU
- 9:15 International Update Lynnell Brandt, President, PVM
- 9:30 What Has Been Learned from Idyia Data Kevin Brandt, Vice President/COO, PVM

9:45 WSU and PVM Q&A

- 10:00 Key Findings From 8 Years of WA 38 Research Dr. Stefano Musacchi, Endowed Chair – Tree Fruit Physiology and Management, WSU
- 10:30 Assessing WA 38 Pollination and Fruit Development Dr. Sara Serra, Assistant Professor, WSU
- 10:25 An Update on Nutrient Management Research for WA 38 Dr. Lee Kalcsits, Assistant Professor, WSU
- 10:45 **Overview of Peel Greasiness and Overall Fruit Quality in WA 38** Dr. Carolina Torres, Associate Professor of Horticulture, WSU
- 11:15 Growers Panel Mike Robinson, Double Diamond Fruit; Garrett Grubbs, Chelan Fruit Company; & Dave Gleason, Domex Superfresh Growers

STATE FFA APPLE/PEAR JUDGING

10:00 A.M. - 11:45 A.M.

Location: Yakima Convention Center, E Ballroom

STUDENT FFA LEADERSHIP LUNCHEON 12:00 I

12:00 P.M. - 1:00 P.M.

Session Sponsor: Washington Apple Education Foundation Host: Jennifer Witherbee, Executive Director, Washington Apple Education Foundation





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