

# SUSTAINABLE FARMING

*For Today's Consumer*



Courtesy of Elizabeth Beers, WSU



Courtesy of Elizabeth Beers, WSU

**WSHA 106th Annual Meeting**  
**NW Hort Expo**  
**Yakima, Washington**  
**December 6, 7, & 8, 2010**

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# SUSTAINABLE FARMING

## *For Today's Consumer*

**F**all is a great time for us as farmers. We get to reap the rewards of what we have sown for the past five months, and it shows us that the challenges we face every year are different. Farming takes vast amounts of hard work, diligence, and problem solving. It takes strong people to produce products that are well accepted by the public consumer. Farming is never the same each year and keeps us on our toes. These are some of things that make farming exciting.



**John Verbrugge**  
*WSHA Board President*

We have designed the annual meeting this year around the concept of increasing our fiscal returns through expanding the knowledge base of our trade. This will help us as individuals evaluate what works in our operation today and what needs to be adjusted to meet our needs as well as the wants of the consumer we serve.

One of the key factors to remaining in business is making a profit. In order to do this we must constantly be evaluating each of the investments we put into our crops and ask ourselves “is it worth it?” or “is this choice helping to pay off my investments?” We want to remain sustainable so that we have the opportunity to grow as individual producers and a community.

“Sustainable” has become a buzzword that can be likened to those annoying cutter bees that hang the sticky mess on the back of your truck full of fruit samples. This buzzword has become a fad that the retailers throw at us each year, which usually translates to more costs for us as farmers. As it is with me, the idea of sustainability is important to all farmers. If we can’t sustain by making changes or investing; something is wrong. We have to analyze our business decisions to integrate, invest, or make the decision to get out. We need to continually think outside the box and challenge ourselves to do better each year for the consumer, the one who actually grabs that apple off the shelf and puts it in their mouth, and returns for more. That is who we serve and as long as we make changes to keep that consumer satisfied we will remain sustainable.

Thank you for electing me to serve you in the Washington State Horticultural Association; it has truly been a learning experience. It has reinforced why so many people have referred to this organization as “the flagship of our industry.” With our strong presence in the political arena, I pray that we can remain proactive so when legislation hits us at the farm we can be well educated and be able to make the necessary changes that will preserve our community and still produce high quality fruit for our consumers.

**John Verbrugge**  
*WSHA Board President*



# WASHINGTON STATE HORTICULTURAL ASSOCIATION

## WSHA Mission Statement:

The Washington State Horticultural Association was organized in 1904 to advance the tree fruit industry by providing education and training programs to meet the changing needs of the industry. WSHA also serves as the advocate on issues affecting the tree fruit industry, particularly legislation and regulation.

## Washington State Horticultural Association

PO Box 136 | Wenatchee, WA 98807

Phone: 509.665.9641 | Fax: 509.665.8541 | Web Site: [www.wahort.org](http://www.wahort.org)

Brochure published by *Good Fruit Grower* Magazine

## 2010 ANNUAL MEETING PLANNING COMMITTEE

**John Verbrugge**, *WSHA President, Valley Fruit*; **Mark Hanrahan**, *Hanrahan Orchards*; **Kevin Knight**, *Knight Orchards*

## 2010 ANNUAL MEETING SESSION MANAGERS

**Travis Allan**, *Allan Brothers*; **Jay Brunner**, *WSU-TFREC*; **Felipe Castillo**, *WTFRC*; **Dain Craver**, *DAC Consulting*; **Jon DeVaney**, *Yakima Valley Growers-Shippers Association*; **Ines Hanrahan**, *WTFRC*; **Mark Hanrahan**, *Hanrahan Orchards*; **Gwen Hoheisel**, *WSU Extension*; **Mark Holtzinger**, *Kershaw/Domex SFG*; **Josh Koempel**, *Blue Star*; **Karen Lewis**, *WSU Extension*; **Jim McFerson**, *WTFRC*; **Nick Stephens**, *Columbia IPM*; **John Verbrugge**, *WSHA President*; **Matt Whiting**, *WSU-IAREC*; **Jason Matson**, *Matson Fruit*; **Bruce Grim**, *WSHA*

## 2010 WSHA BOARD OFFICERS

**President John Verbrugge**, *Yakima*; **1st Vice President West Mathison**, *Wenatchee*; **2nd Vice President David Douglas**, *Kennewick*; **Past President Laura Mrachek**, *Wenatchee*

## 2010 WSHA BOARD OF DIRECTORS

**Wenatchee District: Jeff Cleveringa**, *Ephrata*; **Bryon McDougall**, *Wenatchee*; **Jim Colbert**, *Chelan*; **Ray Fuller**, *Chelan*; **Daniel Gebbers**, *Brewster*

**Yakima District: Kevin Knight**, *Naches*; **Steve Zediker**, *Sunnyside*; **Barbara Walkenhauer**, *Selah*; **Brenton Roy**, *Prosser*; **Sean Gilbert**, *Yakima*

**Columbia Basin District: Leif Olsen**, *Columbia Basin District*; **Open Position**, *Columbia Basin District*; **José Ramirez**, *Royal City*

## Committee Chairs

**Grade and Pack: Scott Smith**, *Mark Tudor*; **Environmental Affairs/Crop Protection: Greg Rains**

## WSHA STAFF

**Bruce Grim**, *Executive Director*; **Lynette Smith**, *Communications Director*; **Nicole Brunner**, *Membership Director*; **Susan Pheasant**, *GRAS<sup>2</sup>P Program Director*; **Shae Eldredge**, *Membership Assistant*

## SCHEDULE HIGHLIGHTS

### Washington State Horticultural Association

106th Annual Meeting & NW Hort Expo  
Yakima, Washington, December 6, 7, & 8, 2010

*Yakima Convention Center*

#### **Annual Meeting Sessions**

*Monday, Tuesday, & Wednesday*

#### **NW Hort Expo**

*Monday & Tuesday*

#### **Spanish Sessions**

*Tuesday*

#### **Postharvest Session**

*Tuesday*

#### **GRAS<sup>2</sup>P Training**

*Wednesday & Thursday*

#### **Annual Meeting Registration Hours**

*Sponsored by Pace International, Inc.*

*Yakima Convention Center Lobby*

Monday & Tuesday: 7:00 a.m.—5:00 p.m.

Wednesday: 7:30 a.m.—12:00 Noon

#### **Spanish Registration Hours**

*Yakima Convention Center, Room “F”*

Tuesday: 7:30 a.m. - 10:00 a.m.

#### **NW Hort Expo Hours – Yakima Valley SunDome**

Monday 8:00 a.m. – 7:00 p.m.

Tuesday 8:00 a.m. – 5:30 p.m.

#### **NW Hort Expo Reception**

Monday: 5:00 p.m. – 7:00 p.m.

*(21 and Older—Registration Badge Required)*

#### **Poster Session**

*Sponsored by Papé Material Handling*

*Yakima Convention Center, Room “A & B” (Lobby)*

Monday & Tuesday: 8:00 a.m. – 5:00 p.m.

*Tuesday Meet & Greet with Presenters: 6:00 p.m. – 7:00 p.m.*

Wednesday: 8:00 a.m. – 3:00 p.m.

#### **WSHA Leadership Luncheon**

*Yakima Convention Center*

Monday: 12:00 p.m. – 1:00 p.m.

#### **WSHA Banquet**

*Yakima Convention Center*

Tuesday: 6:00 p.m. – 9:00 p.m.

#### **Pesticide Certification Credits**

WA – OR – ID and CCU CEU's

*Credits Requested*

## ANNUAL MEETING FEATURED SPONSORS



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NW Hort Expo Social &  
Cocktail Hour Sponsor  
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WSHA Annual Meeting Program Guide Sponsor  
*Good Fruit Grower Magazine*

## SUNDAY, DECEMBER 5

New Varieties and Rootstocks— 2:30 p.m. - 4:30 p.m.  
Tree Fruit Breeding Programs

Session Manager: *Tom Auvil, WTFRC*

Location: *Room "100 - 300"*

- 2:30 **WSU Apple Breeding Program Update**
- 2:45 **WSU/OSU Cherry Breeding Program Update**
- 3:00 **2011 Apple Variety Release**
- 3:15 **WA2 Update**
- 3:30 **WSU Apple Breeding Program: Tasting New Varieties Entering Commercialization and Promising Advanced Selections**

## MONDAY, DECEMBER 6

### Poster Session

8:00 a.m. - 5:00 p.m.

Session Sponsor: *Papé Material Handling*  
Session Manager: *Gwen-Alyn Hoheisel, WSU Extension*  
Location: *Yakima Convention Center "A & B"*

### Sustainable Farming

8:20 a.m. - 12:00 p.m.

#### for Today's Consumer

Session Sponsor: *Valent USA*  
Session Manager: *John Verbrugge, WSHA President*  
Location: *Yakima Convention Center "C & D"*

- 8:20** **Welcome**, *John Verbrugge, WSHA President*
- 8:30** **What HORT Has Been Up to in 2010**, *John Verbrugge, WSHA President; Bruce Grim, WSHA; Jim Halstrom, WSHA Lobbyist*
- 9:00** **Banker's Perspective Looking at Agriculture in the Economy: What Is the Health of the Banks and Willingness to Lend?** *Phil DiPofi, Farm Credit*
- 9:30** **31st Annual Batjer Speaker: "Market Trends and Weathering the Current and Future Economy,"** *Desmond O'Rourke, Belrose, Inc.*
- 10:30** **Packerdata.com Offers a New Program to Growers to Compare Returns and Maximize Profits**, *Robert Wilkes, Packerdata.com*
- 11:00** **Focus on Increasing Revenue**, *Clark Seavert, OSU*
- 11:30** **Building a Profitable Future with World-Class Research and Extension**, *Jay Brunner, WSU; Jim McFerson WTFRC*
- 11:40** **Insights Into Production Costs in Washington Orchards**, *Mykel Taylor, WSU; Karina Gallardo, WSU*

### WSHA Leadership Luncheon

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

Session Sponsor: *Cascade Analytical*  
Co-Hosts: *Jim Halstrom, WSHA Lobbyist; Bruce Grim, WSHA*  
Location: *Yakima Convention Center "Room 500"*

- 12:00** **The View from Capitol Hill; What's Next for Trade, Health Care, Taxes, Water and Labor**, *Representative Doc Hastings*

### Washington Apple Commission Nominations

1:00 p.m.

Location: *Yakima Convention Center "C & D"*

- 1:00** **Washington Apple Commission Nominations**, *WSDA*

## MEETING ETIQUETTE

- *Cell phones and beepers MUST be turned off in session rooms!*
- *Take conversations that are unrelated to the program outside of session rooms.*
- *Arrive on time to sessions and avoid entering/leaving session rooms while a speaker is presenting.*

Session Sponsors: *Key Bank*

Session Manager: *Mark Holtzinger, Kershaw/Domex SFG*

Location: *Yakima Convention Center "C & D"*

- 1:30 The Retailer and the Grower—Characteristics of a Valued Partner (PANEL):** *Moderator: Bruce Grim, WSHA; Panelists: Greg Corrigan, Raley's Retailer; Jim Koempel, Grower; Robert Kershaw, Domex Superfresh Growers Marketer*
- 2:15 Scared Straight—Food Safety, Taking Control (PANEL):** *Moderator: Bruce Grim, WSHA; Panelists: Robert J. Whitaker, Produce Marketing Association; Eric Skiles, Domex Superfresh Growers; Greg Corrigan, Raley's Retailer*
- 3:00 The "Local" Phenomena; Impacts on Washington State (PANEL):** *Moderator: Bruce Grim, WSHA; Panelists: Jim Allen, New York Apple Association; Greg Corrigan, Raley's Retailer; Robert J. Whitaker, Produce Marketing Association*

Session Sponsors: *SmartFresh*

Session Managers: *Travis Allan, Allan Brothers;*

*Jason Matson, Matson Fruit*

Location: *Yakima Convention Center "C & D"*

*Credits Requested*

- 3:30 Apple Rootstocks—How Do the New Geneva Roots Stack Up?** *Tom Auvil, WTFRC*
- 3:50 Cherry Rootstocks—What Do You Have to Plant Today? What about Tomorrow,** *Lynn Long, OSU*
- 4:05 Fumigation—How Well Does it Work,** *Tim Smith, WSU-TFREC*
- 4:20 The Nursery Handoff, Common Mistakes from a Nursery Perspective,** *Paul Tvergyak, Cameron Nursery*
- 4:40 Why Do You Do It That Way (Grower PANEL):** *Moderator: Travis Allan, Allan Brothers; Panelists: Gary Jackson, Roche Fruit; Morgan Rowe, Rowe Farms; Josh Koempel, Potentiality Orchards; Scott McDougal, McDougal & Sons*

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**Weather and Climate**

**2:30 p.m. - 5:00 p.m.**

Session Sponsors: *Aweta Autoline*

Session Manager: *Mark Hanrahan, Hanrahan Orchards*

Location: *Yakima Valley SunDome (upstairs)*

**2:30 Virtual Tours of Ag Weather Net, AWN Staff and students.** Location: *Upstairs Room, SunDome*

**4:30 Measuring the Weather Means Measuring the Plant: Crop Modeling,** *Gerrit Hoogenboom, WSU* Location: *Upstairs Room, SunDome*

**Monday Evening**

**5:00 p.m. - 7:00 p.m.**

NW Hort Expo Social & Cocktail Hour

*Must be 21 or over—Registration Badge Required*

Event Sponsor: *Domex Superfresh Growers*

Location: *Yakima Valley SunDome*

**Monday Evening**

**5:30 p.m. - 6:30 p.m.**

Washington Ag/Forestry Leadership Reception

Location: *Red Lion Yakima Center Hotel, Johnny's*

**Monday Evening**

**6:30 p.m.**

Past Presidents' Dinner

Host: *Laura Mrachek, WSHA Past President*

Location: *TBD*



## TUESDAY, DECEMBER 7

Poster Session

8:00 a.m. - 5:00 p.m.

Session Sponsor: *Papé Material Handling*  
Session Manager: *Gwen-Alyn Hoheisel WSU Extension*  
Location: *Yakima Convention Center "A & B"*

DAS Training

8:00 a.m. - 12:00 p.m. & 1:00 - 5:00 p.m.

Session Manager: *Ute Chambers, WSU*  
Location: *Yakima Convention Center "G"*

### 8:00 DAS training sessions will be for one hour.

*Participants will need to sign up at the meeting on Monday outside of Conference room 1 or at the DAS booth prior to participating in the training session. DAS Spanish language sessions will be held in the afternoon only.*

It's Springtime: Are You Ready?

8:00 a.m. - 11:30 a.m.

### Concurrent Session

Session Sponsor: *Northwest Farm Credit Services*  
Session Manager: *Karen Lewis, WSU Extension*  
Location: *Yakima Convention Center "C"*

8:00 **Introduction**, *Karen Lewis, WSU Extension*

8:10 **WSU Apple Breeding Program Update**, *Kate Evans, WSU Wenatchee*

8:25 **Pollination 101 (PANEL): Moderator:** *Matt Whiting, WSU IAREC; Panelists:* *Jeff Lunden, WSU IAREC; Hermann Thoennissen, HTG International; Eric Olson, Olson Honey; Jack Hein, Sage Fruit*

9:30 **Be a Hero Not a Zero: Effective Crop Load Management (PANEL): Moderator:** *Tory Schmidt, WTFRC; Panelists:* *Ruben Canales, Allan Brothers Fruit; Craig Hornblow, AgFirst; Dan Griffith, G.S. Long; Michael Blanke, University of Bonn; Rick Orozco, Hi Point Orchards*

10:40 **Branching—The Physiology Behind the Break (PANEL): Moderator:** *Don Elfving, WSU Wenatchee; Panelists:* *Jason Matson, Matson Fruit; Dena Perleberg Ybarra, Columbia Basin Nursery; Andy Arnold, Valley Fruit Orchards; Todd Einhorn, OSU-MCAREC*

## ANNUAL MEETING PARTNERS

WSHA thanks our industry partners, who are instrumental in planning a successful and educational Annual Meeting.

*Good Fruit Grower Magazine*

*Roy's Audio Visual*

*Washington State University*

*Washington Tree Fruit Research Commission*

**Concurrent Session**

Session Sponsor: *WSHA Government Affairs*

Session Manager: *Jon DeVaney, Yakima Valley Growers-Shippers Assoc.*

Location: *Yakima Convention Center "D"*

- 8:30** **Welcome and Session Introduction**, *Jon DeVaney, Yakima Valley Growers-Shippers Association*
- 8:40** **Washington State's Economic and Revenue Outlook**, *Lance Carey, Washington State Economic and Revenue Forecast Council*
- 9:15** **Election Recap and Preview of the 2011 Legislative Session**, *Senator Mike Hewitt, Washington State Senate*
- 9:40** **The Governor's Agenda for the Next Biennium**, *Jim Justin, Office of the Governor*
- 10:05** **Immigration Enforcement and Prospects for Reform**, *Frank Gasperini, National Council of Agricultural Employers*
- 10:40** **Salmon Protection and Chemical Regulations**, *Mike Willett, Northwest Horticultural Council*
- 11:00** **What's Next for Federal Health Care Legislation**, *Nancy Foster, U.S. Apple Association*

**Spanish Language Session 1**

Session Sponsor: *Broetje Orchards*

Session Managers: *Felipe Castillo, WTFRC*

Location: *Yakima Convention Center "E"*

*Credits Requested*

- 8:30** **Welcome/Bienvenidos**
- 8:45** **Transition from Farm Worker to Farm Owner/  
¿Cómo Pasar de ser Trabajador a ser Dueño de una Huerta?** *Francisco Martinez, Northwest Farm Credit Services; Karina Gallardo, WSU - TFREC*
- 9:10** **Manager Techniques for Crew Hiring and Keeping a Crew/Técnicas para Contratar y Retener al Personal de Huerta**, *Francisco Sarmiento, WVC*
- 9:35** **Packers and Growers Working Together/Empacadores y Productores Trabajando Juntos (PANEL): Moderator: TBD; Panel Members: TBD**
- 10:00** **I-9 and E-Everything News/Noticias acerca del I-9 y del E-Everything**, *Mike Gempler, Growers League*
- 10:25** **Immigration Update/Novedades sobre Inmigración**, *Mike Gempler, Growers League*
- 10:50** **DAS System/ Sistema de Ayuda para Toma de Decisiones (en inglés DAS)**, *Nadine Lehrer, WSU Wenatchee*
- 11:15** **Understanding the Current Market and Future Trends/Entendiendo las Condiciones Actuales del Mercado de Frutas y Tendencias para el Futuro**, *Lorena Lopez*



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Session Sponsor: *Stemilt Ag Services*

Co-Session Managers: *Felipe Castillo, WTFRC; Rolando Martin*

Location: *Yakima Convention Center "E"*

*Credits Requested*


- 1:00** **How to Incorporate Research Currently Done in Today's Orchard/¿Cómo Incorporar la Investigación Actual a la Realidad de las Huertas? (PANEL):**  
*Moderator: TBD; Panel Members: TBD*
- 1:30** **IPM - Importance of Having Scouts in the Orchard/Manejo Integrado de Plagas - La Importancia de Contar con un Técnico en la Huerta,**  
*Jose Ramirez, Stein Orchards*
- 2:00** **IPM - Practical Solutions for Pesticide Safety/Manejo Integrado de Plagas - Soluciones Prácticas para Asegurar la Inocuidad Durante el Manejo de Pesticidas,**  
*Maria I. Tchong-French, University of Washington*
- 2:30** **What Does Food Safety Mean to Us and Why are We Doing It?/¿Qué significa Inocuidad de Alimentos y por qué se está Utilizando?**  
*Eric Zavala, Stemilt*
- 3:00** **Improving Efficiency in Labor/Mejorando la Eficiencia del Trabajo en la Huerta,**  
*Karina Gallardo, WSU-TFREC*
- 3:30** **WVC Program Update/Resumen del Programa del WVC,**  
*Leo Garcia, WVC*
- 4:00** **Technology in the Orchard/Usó de Tecnologías en la Huerta,**  
*Karen Lewis, WSU Extension*



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**Concurrent Session**Session Sponsor: *Aweta Autoline*Session Managers: *Jim McFerson, WTFRC*Location: *Yakima Convention Center "C"*

- 1:00** Introduction, *Jim McFerson, WTFRC*
- 1:05** Filling Space, *Matt Whiting, WSU*
- 1:15** Reflective Fabrics, *Tory Schmidt, WTFRC*
- 1:25** Heat and Light Stress, *Larry Schrader, WSU*
- 1:35** (Panel Response) *Darrin Belton, Todd Einhorn, Lee Gale, Allan Groff, Denny Hayden, Rolando Martin*
- 1:50** Around the World: Farming the Present, Planning for the Future, *Rolf Luehs, WTFRC*
- 2:05** (Panel Response) *Darrin Belton, Todd Einhorn, Lee Gale, Allan Groff, Denny Hayden, Rolando Martin*
- 2:15** Crop Estimation, *Jim McFerson, WTFRC*
- 2:20** Crop Estimation Approach in New Zealand and Australia, *Craig Hornblow, AgFirst*
- 2:30** Crop Estimation Approach in the EU, *Michael Blanke, University of Bonn*
- 2:40** Machine Vision for Crop Load Estimation, *Tony Koselka, Vision Robotics*
- 2:50** (Panel Response) *Darrin Belton, Todd Einhorn, Lee Gale, Allan Groff, Denny Hayden, Rolando Martin*

**Concurrent Session**Session Sponsor: *Dow AgroSciences*Session Managers: *Jay Brunner, WSU*Location: *Yakima Convention Center "D"**Credits Requested*

- 1:00** Introduction, *Jay Brunner, WSU*
- 1:05** Enhancing Biocontrol in Western Orchards An Overview, *Vince Jones, WSU*
- 1:25** New Monitoring Systems for Natural Enemies, *Shawn Steffan, WSU*
- 1:40** AZM (Guthion) Phaseout: the Final Years, *Jay Brunner, WSU*
- 1:55** Spotted Winged Drosophila: Just What We Needed, Another New Pest, *Peter Shearer, OSU*
- 2:15** Spotted Wing Drosophila: Year 1 in Eastern Washington, *Elizabeth Beers, WSU*
- 2:35** Research Discovery: Pheromone for Pear Psylla, *Peter Landolt USDA-ARS*
- 2:55** Summary and Adjourn, *Jay Brunner, WSU*



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Postharvest Session

3:00 p.m. - 5:00 p.m.

Session Sponsor: *SmartFresh*  
Session Manager: *Ines Hanrahan, WTFRC*  
Location: *Yakima Convention Center "C"*

*Each presentation will be directly followed by a short panel discussion.*

Panel Members: *Harold Schell, Chelan Fruit; Bruce Allen, Columbia Reach; TBD*

- 3:00 Firmness, Sugars, Color: So What?** *Bill Wolk, Okanogan Tree Fruit Cooperative*
- 3:25 1-MCP: What Are We Really Doing to Our Fruit?** *Randy Beaudry, MSU*
- 3:50 What Have We Learned About New Tools for Decay Management?** *Chang Lin Xiao, WSU*
- 4:10 Postharvest Physiological Disorders in Apples,** *Randy Beaudry, MSU*
- 4:35 A Predictive Tool to Identify Postharvest Disorders,** *Dave Rudell, USDA-ARS*

WSHA Banquet

6:00 p.m. - 9:00 p.m.

Banquet Sponsor: *Western Fruit Grower and DuPont Altacor*

Master of Ceremonies: *George Allan*

Hors d'oeuvres Sponsor: *Wilbur Ellis*

Dessert Buffet Sponsor: *SmartFresh*

Location: *Yakima Convention Center "Room 500"*

- 6:00 Reception and WAEF Silent Auction**
- 6:00 Connecting with Poster Presenters**
- 7:00 Dinner, Awards & Entertainment**

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## WEDNESDAY, DECEMBER 8

Poster Session

8:00 a.m. - 5:00 p.m.

Session Sponsor: *Papé Material Handling*  
Session Manager: *Gwen-Alyn Hoheisel, WSU Extension*  
Location: *Yakima Convention Center "A & B"*

Organics

8:30 a.m. - 12:00 p.m.

### Concurrent Session

Session Sponsor: *Northwest Wholesale*  
Session Co-Managers: *Nick Stephens, Columbia IPM;*  
*Dain Craver, DAC Consulting*  
Location: *Yakima Convention Center "C"*

- 8:30** **Greeting and Introduction**, *Dain Craver, DAC Consulting*
- 8:35** **Has the Organic Bubble Burst? Current Trends in Organic Tree Fruit Production**, *David Granatstein, WSU-TFREC*
- 9:00** **Presentation of WSHA Organic Industry Service Award**, *Dain Craver, DAC Consulting*
- 9:10** **Habitat Modification and Conservation of Biological Control in Organic Orchards**, *Tom Unruh, USDA-ARS Yakima*
- 9:40** **Supplying Nitrogen and Other Key Nutrients to Organic Orchards (PANEL)**: Moderator: *Dain Craver, Craver Organics*; Panelists: *Mike Robinson, Double Diamond Fruit; Mark LaPierre, Wilbur-Ellis; Mike Hodge, Cascade Ag Services*
- 10:00** **Survey of Organic Growers Toolbox—Information Gaps and Research Needs**, *Tom Pitts, Cascade Ag Services; David Granatstein, WSU-TFREC*
- 10:25** **Organic Codling Moth Management in Washington and the World**, *Alan Knight, USDA-ARS YARL*
- 11:00** **Organic Regulatory Update**, *Mart Beagle, WSDA Organic Program Manager*
- 11:20** **Managing Soil Microbial Communities Function in Your Orchard**, *Jennifer Moore-Kucera, Texas Tech University*

## Concurrent Session

Session Sponsor: *G.S. Long Co., Inc.*Session Manager: *Josh Koempel, Blue Star*Location: *Yakima Convention Center "D"*

- 8:00** **Bringing New Tools and Technologies to PNW Pear Orchards**, *Karen Lewis, WSU Extension*
- 8:15** **Pear Growing Systems: Open Center to High Density Single Tree V**, *Rudy Prey, Prey Orchards*
- 8:35** **Strategies to Improve Efficiencies in Pear Production**, *Todd Einhorn, OSU*
- 8:55** **Fireblight Update**, *Tim Smith, WSU*
- 9:15** **Chemical Blossom Thinning, PGR for Fruit Set, BA for Fruit Size and Thinning**, *Tory Schmidt, WTFRC*
- 9:35** **Preripening, Postharvest Decay**, *Dave Sugar, OSU*
- 10:15** **Solving Pear Problems with Pear-Specific Solutions**, *Amit Dhingra, WSU*

## Concurrent Session

Session Sponsor: *Domex Superfresh Growers*Session Manager: *Matt Whiting, WSU*Location: *Yakima Convention Center "D"*

- 10:15** **Specialty Crop Research Initiative Project Update**, *Tracie Arnold, WSU*
- 10:25** **Revisiting GA Programs**, *Todd Einhorn, OSU*
- 10:45** **Rain-Induced Cherry Cracking: What We Learned in 2010**, *Ines Hanrahan, WTFRC*
- 11:00** **Update on Powdery Mildew Research**, *Gary Grove, WSU*
- 11:25** **New Investigations of Harvest Efficiency**, *Fran Pierce, WSU*
- 11:40** **Fruit Set and Pollination**, *Matt Whiting, WSU*
- 12:00** **Cherry Orchard Systems (PANEL): Moderator:** *Matt Whiting, WSU IAREC; Panelists: Norm Gutzwiler, Blue Bird; Mark Hanrahan, Hanrahan Orchards; Bob Bailey, Orchardview Farms.*



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## Concurrent Session

Session Sponsor: *Banner Bank*Session Co-Managers: *Ines Hanrahan, WTFRC; Mary Jo Gash, Starr Ranch Growers*Location: *Yakima Convention Center "E"***8:30** Food Safety Resources; *Bob Whitaker, PMA***8:50** Training of Employees: Effective Methods for Tree Fruit Growers, *Rick Gastelum, Washington Farm Bureau*

The following presentations will be directly followed by a short panel discussion.

**Panel Members:** *John Cornell, Larson Fruit Company; Mike van Horn, independent grower; Bob Whitaker, PMA; Rick Gastelum, Washington Farm Bureau*

**9:10** Sources and Fate of *E. Coli* in Cherry Production Systems in British Columbia, *Pascal Delaquis, Pacific Agri-Food Research Centre***9:35** Effectiveness of Postharvest Microbial Interventions, *Karen Killinger, WSU***10:00** Ways to Enhance Microbial Safety of Washington Fruit, *Xuetong Fan, USDA-ARS*Host: *Rick Adams*Session Sponsor: *Washington Apple Education Foundation*Location: *Yakima Convention Center, Rooms 200 & 300*

**Award:** *Apple judging overall winner will receive a \$1,000 Washington Apple Education Foundation scholarship*

Session Sponsor: *Washington Apple Education Foundation*Host: *Jennifer Witherbee, Washington Apple Education Foundation*Speaker: *Dain Craver, DAC Consulting*Location: *Yakima Convention Center, Room 400-600*

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# GRAS<sup>2</sup>P Training

Wednesday, December 8

11:00 a.m. - 5:00 p.m.

## **GRAS<sup>2</sup>P: Taking Advantage of GAP Audits to Increase Business Sustainability**

*(Note: Separate workshop registration fee of \$125 plus \$125  
for GRAS<sup>2</sup>P Guidance Manual)*

**Session Manager:** Susan Pheasant, GRAS<sup>2</sup>P

**Location:** Room "E"

- GAP Audits: Keys to Staying in the Fresh Produce Game
- Water, Water Quality, and Water Testing
- Bins, Bacteria, and the Bridge between Orchard and Warehouse
- Sustainability and How New Science is Contributing
- Sustainability Initiatives on the National Level
- Decision Aid System's Newest Addition: MRLs
- Cost-Sharing Opportunities with NRCS
- USDA GAP – What Do I Need To Do In Order To Pass?
  - Documentation
  - Orchard Site
  - Frequently Asked Questions...And The Answers
  - Examples From Real Pre-Audits and Audits
  - How GRAS<sup>2</sup>P Can Help

Thursday, December 9

8:00 a.m. - 2:30 p.m.

## **GRAS<sup>2</sup>P: How to Get It Done and Successfully Pass a Global G.A.P. Audit**

*(Note: Separate workshop registration fee of \$125 plus \$125  
for GRAS<sup>2</sup>P Guidance Manual)*

**Session Manager:** Susan Pheasant, GRAS<sup>2</sup>P

**Location:** Room "E"

- Documentation
- Orchard Site
- Frequently Asked Questions ... And The Answers
- Examples From Real Pre-Audits and Audits
- How GRAS<sup>2</sup>P Can Help

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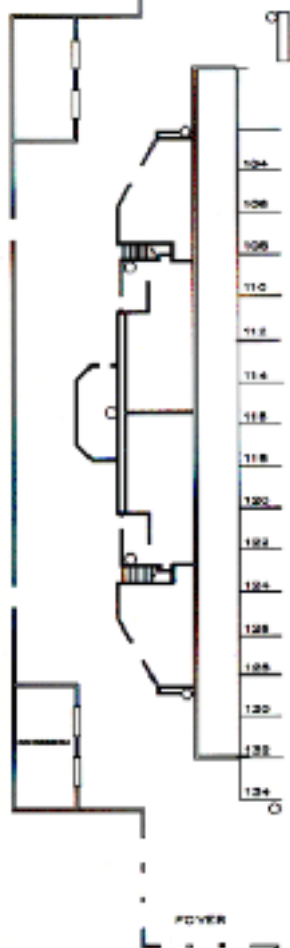
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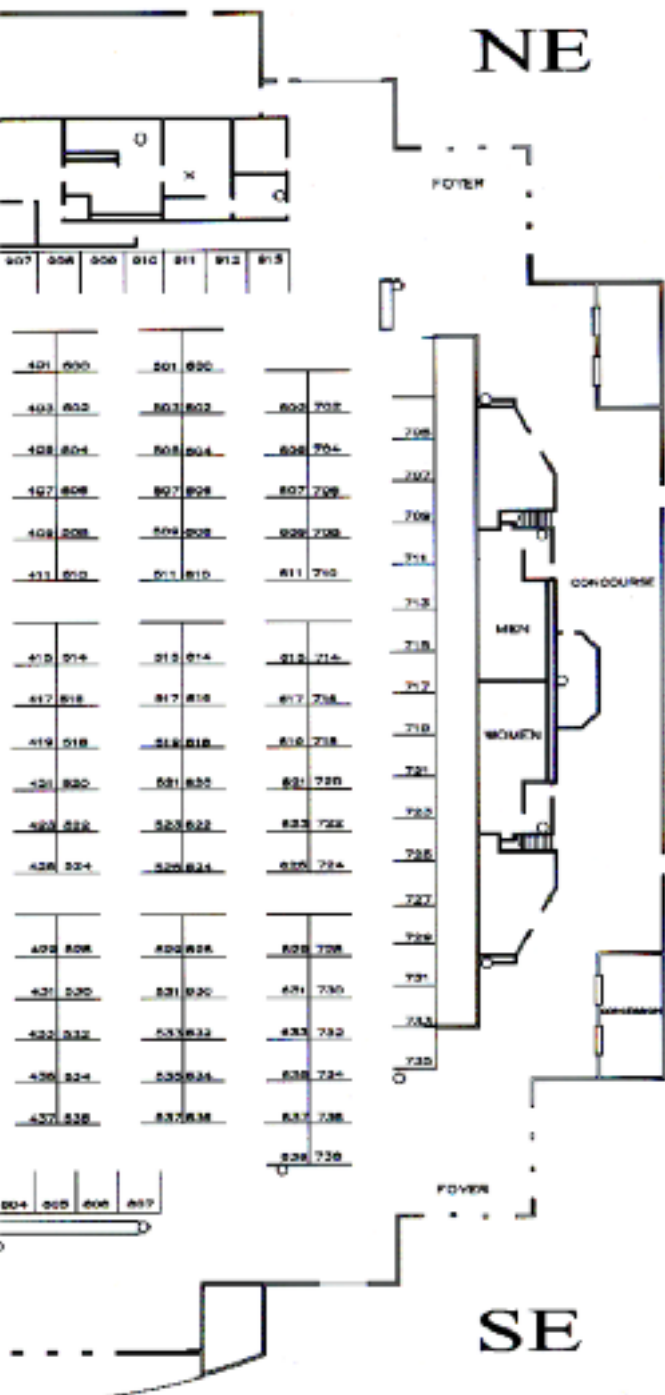
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