

UPDATED CONFERENCE AGENDA

NOTE: Registration for the 2002 NW Direct Seed Cropping Systems Conference includes entrance into the Spokane Ag Expo and PNW Farm Forum and seminars (separately an additional \$17). You are encouraged to come early on January 15-16 to view the Expo exhibits and attend the PNW Farm Forum and seminars. Call 888-374-EXPO or visit their Web site (www.agshow.org) for details. Beginning at 8:00 a.m. Tuesday, January 15, Conference registration packets and your nametag (needed for entrance into Ag Expo and PNW Farm Forum) will be available at the Conference registration desk in the ballroom foyer of the Doubletree Hotel – City Center.

Recertification Credits

Credits for state Pesticide Applicator Recertification and Certified Crop Advisor Continuing Education are listed on the program below at the end of applicable presentations. Credit sign-ups will be available at the end of half-day sessions and evening sessions.

Tuesday, January 15

Doubletree Ballroom Foyer

8:00 a.m. – 5:00 p.m. **Conference registration**

10:00 a.m. – 5:00 p.m. **Spokane Ag Expo and PNW Farm Forum** at the WA State Ag Trade Center, Spokane Convention Center, and Arena

Wednesday, January 16

Doubletree Ballroom Foyer

8:00 a.m. – 6:00 p.m. **Conference registration**

10:00 a.m. – 6:00 p.m. **Spokane Ag Expo and PNW Farm Forum** at the WA State Ag Trade Center, Spokane Convention Center, and Arena

Doubletree Ballroom

Session Moderator: Donn Thill, UI Weed Scientist, Moscow

1:00 **Welcome and Introduction**

1:05 **Nutrient Cycling and Management in Direct Seed Systems** - Jeff Schoenau, Research Soil Scientist, Department of Soil Science, University of Saskatchewan, Saskatoon ([CCA CECs – 1 N/M](#))

2:05 **Redesigning Rotations for Direct Seed Systems -- Evaluation of Alternative Crops** - David Huggins, Research Soil Scientist, USDS-Agricultural Research Service, Pullman, WA ([Pesticide Applicator Recertification Credits: ID-1](#)) ([CCA CECs – 1 C/M](#))

2:55 **Break and viewing of NW Direct Seed Poster Exhibition**

3:10 **Soil Biology in the Key to Healthy Soil and the Direct-Seeding Advantage** - Jill Clapperton, Rhizosphere Ecologist, Agriculture and Agri-Food Canada, Lethbridge Research Center, Lethbridge, Alberta ([Pesticide Applicator Recertification Credits: ID-1](#)) ([CCA CECs – 1 S/W](#))

- 4:00 – 6:00 **Viewing of exhibits in Ag Expo** (First of two special Ag Expo breaks in the Conference program)
4:00 – 7:00 **Dinner on your own**

Wednesday Evening, January 16

Doubletree Ballroom

Session Moderator - Robert Mahler, UI Soil Scientist, Moscow, ID

7:00 - 9:00 **Impacts and Management of Soil Acidity under Direct Seed Systems**
— **Panel of Northwest Scientists** (Pesticide Applicator Recertification Credits: ID-1)
(CCA CECs – 2 S/W)

7:00 **Status and Effects on Crop Production** - Robert Mahler

7:25 **Effects on Beneficial Soil Microbes and Soil Fauna** - David Bezdicek, WSU
Soil Microbiologist, Pullman, WA

7:50 **Effects on Soilborne Crop Pathogens** - Tim Paulitz, USDA-ARS Plant
Pathologist, Pullman

8:15 **Strategies for Management** - Greg Schwab, WSU Extension Soil Scientist,
Pullman

8:40 **Panel Discussion**

9:00 **Adjourn for the evening**

Thursday Morning, January 17

Doubletree Ballroom Foyer

7:00 a.m. – 5:00 p.m. **Conference Registration**

Doubletree Ballroom – Salons I-III, IV, and V

7:30 a.m. **Grower Experiences with Direct Seed Cropping Systems**

Three Concurrent Sessions (First choice -- sessions repeated at 9:15)

Salons I-III

1) Low Precipitation Regions (CCA CECs – 1.5 S/W)

Lon Welch Connell, WA

Jack Hay, The Dalles, OR

Panel Moderator – Brian Tuck, OSU Extension Agricultural Agent, Wasco
County, The Dalles

Salon IV

2) Intermediate Precipitation Regions (CCA CECs – 1.5 S/W)

Mark Sheffels, Wilbur, WA

Mike Stubbs, LaCrosse, WA

Panel Moderator – Dennis Tonks, WSU Extension Dryland Cropping Systems
Specialist, Davenport

Salon V

3) High Precipitation Regions (CCA CECs – 1.5 S/W)

Kurt Blume, Genesee, ID

Art Schultheis, Colton, WA

Panel Moderator – David Barton, UI Extension Agricultural Educator, Latah County, Moscow

9:00 Break and Viewing of NW Direct Seed Poster Exhibition

Salons I-III, Salon IV, and Salon V (as in 7:30-9:00 sessions)

9:15 Repeat of Grower Concurrent Sessions Above – Second choice

Doubletree Ballroom

10:45 Ask-the-Authors Session in NW Direct Seed Poster Exhibition

11:15 Lunch – as selected registration option or on your own, and viewing of Ag Expo exhibits (2nd of two Ag Expo breaks in the Conference program)

Thursday Afternoon January 17

Doubletree Ballroom

1:00 Pacific Northwest Direct Seed Association – Highlights and Accomplishments. Featured Presentation: Historical Aspects of Change in Northwest Agriculture -- Insights into the Future of Direct Seed Cropping Systems - R. James, Cook, WSU Endowed Chair in Wheat Research, Pullman

3:00 Break and Viewing of NW Direct Seed Poster Exhibition

3:15 – 5:15 Panel Session: Integrating Financial and Production Information -- Significance for Direct Seed Systems. Moderator: Dick Wittman, Grower and Financial Consultant, Lapwai, ID ([Pesticide Applicator Recertification Credits: ID-1; OR-1; WA-1](#))

3:15 Why and How Do We Get There? - Dick Wittman

3:40 Cost of Production/Financial Analysis, Variable Rate Application Strategies, Yield and Weed Mapping - Nathan Riggers, Grower, Nezperce, ID

4:20 Moving From Precision Agriculture to Decision Agriculture -- Quantifying your Actions and Building a Proper Database for Site-Specific Farming - Craig Walters, Consulting Agronomist, PACER Corporation, Uniontown, WA

4:50 Open panel discussion

5:15 Adjourn for the afternoon

5:15 – 7:00 Dinner on your own

Spokane Falls Ballroom

5:15 – 7:00 PNDSA Member Reception and Light Dinner Buffet

Thursday Evening, January 17

Doubletree Ballroom – Salons I-III, IV, and V

7:00 - 8:00 Concurrent Bear Pit Sessions -- Direct Seed Systems Strategies
(Choose one of three topics)

Salons I-III

1) Intensifying Rotations in the Low and Intermediate Precipitation Zones

([CCA CECs – 1 C/M](#))

- Bill Schillinger, WSU Dryland Research Agronomist, Lind, WA

- Don Wysocki, OSU Extension Soil Scientist, Pendleton, OR
 - Lon Welch, Grower, Connell, WA
 - Jack Hay, Grower, The Dalles, OR
 - Mark Sheffels, Grower, Wilbur, WA
 - Mike Stubbs, Grower, LaCrosse, WA
- Panel Moderator – Don Wysocki

Salon V

2) Understanding Changes in Soil Fertility, Biology and Quality Over Time

(CCA CECs – 1 S/W)

- Jeff Schoenau, Research Soil Scientist, Univ. of Saskatchewan
 - Jill Clapperton, Rhizosphere Ecologist, Lethbridge Research Ctr.
 - David Bezdicek, Soil Microbiologist, WSU, Pullman
- Panel Moderator – David Bezdicek

Salon IV

3) Strategies for Managing Heavy Wheat Residue in Higher Rainfall Zones

(CCA CECs – 1 C/M)

- David Huggins, USDS-ARS Soil Scientist, Pullman
 - Stephen Guy, UI Extension Crop Management Specialist, Moscow
 - Kurt Blume, Grower, Genesee, ID
 - Art Schultheis, Grower, Colton, WA
- Panel Moderator – Stephen Guy

8:00 – 9:00 **Repeat of Concurrent Sessions above** (Second choice)

Friday Morning, January 18

Doubletree Ballroom

Session Moderator – Roger Veseth, WSU / UI Extension Conservation Tillage Specialist, Moscow

7:30 **Grower Experiences with 2-Pass Direct Fertilize-and-Seed Systems Using Minimum Tillage Drills** (CCA CECs – 1.5 N/M)

- Clay Barr, Pomeroy, WA
- Jon Nilsson, Cavandish, ID

8:50 **Management Strategies to Enhance Soil Biology Benefits Under Direct Seed Systems** - Jill Clapperton, Rhizosphere Ecologist, Agriculture and Agri-Food Canada, Lethbridge, Alberta (CCA CECs – 1.5 S/W)

9:40 **Break and Viewing of NW Direct Seed Poster Exhibition**

10:00 – 11:25 **Panel Session: New Insights into the Make-up and Management of Soilborne Crop Pathogens Under Direct Seeding.** Moderator: R. James Cook. WSU Plant Pathologist and Endowed Chair in Wheat Research, Pullman, WA (Pesticide Applicator Recertification Credits: ID-1; OR-1; WA-1) (CCA CECs – 1.5 S/W)

10:00 **Introduction** - R. James Cook

10:05 **Pythium and Take-all** - R. James Cook

10:25 **Rhizoctonia** – Tim Paulitz, USDA-ARS Plant Pathologist, Pullman

10:45 **Fusarium and Nematodes** - Richard Smiley, OSU Plant Pathologist, Pendleton

11:05 **Panel discussion**

11:25 **Developing Brassica Crops and Management Strategies for Direct Seed**

Systems - Jack Brown, UI Plant Breeder, Moscow (Pesticide Applicator

Recertification Credits: ID-1) (CCA CECs – 0.5 C/M)

12:15 **Adjourn**