CROPPING CONCEPTS
FEEDING FARMER INNOVATIONS
JAN 20 - 22 2015
PNW OILSEED & DIRECT SEED CONFERENCE
THREE RIVERS CONVENTION CENTER
Kennewick, WA

css.wsu.edu/biofuels/   www.directseed.org/events
2nd Annual Collaborative Conference

Karen Sowers and Kay Meyer, co-program coordinators
Bill Pan and John McNabb, co-chairs
## Organizing Committee Members

<table>
<thead>
<tr>
<th>Core Committee</th>
<th>Advisory Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kristy Borrelli - REACCH (UI, WSU, OSU)</td>
<td>Mike Stubbs, Rick Jones, Tim Spratling - growers</td>
</tr>
<tr>
<td>Dan Harwood - Palouse Rock Lake CD</td>
<td>Jim Davis, Kurt Schroeder, Doug Finkelnburg - UI</td>
</tr>
<tr>
<td>Ty Meyer - Spokane CD</td>
<td>Shane Johnson - WA Oilseeds Comm</td>
</tr>
<tr>
<td>Sheri Nolan - WA Oilseeds Comm</td>
<td>Winger, Marlon - USDA NRCS</td>
</tr>
<tr>
<td>R. Dennis Roe - WSU</td>
<td>Curtis Hennings, Jeff Schibel, Frank Young - consulting</td>
</tr>
<tr>
<td>Don Wysocki - OSU</td>
<td></td>
</tr>
</tbody>
</table>
EXHIBITORS
Ag Enterprise Supply
Ag Trucks & Equipment
AgPro Manufacturing
AgriTrend Consulting
Agro Culture Liquid Fertilizer
ATI Solutions LLC
Barr-Tech
BASF
Bayer CropScience
Black Rock AgriPrises
Central Machinery Sales
Crop Protection Services
Croplan by Winfield
Cross Slot
Evergreen Implement (John Deere)
Exactrix Global Systems
FMC Corp
North Pine Ag Equipment (Horsch)
Idaho Oilseeds Commission
Kile Machine & Mfg, Inc
McGregor
McKay Seed
Monsanto BioAg
Native Energy
Northwest Farm Credit Services
Odessa Trading Co/AgTech Services
Pacific Coast Canola
Peripheral Vision
Pillar Lasers Inc
Pioneer West
PNDSA
RDO Equipment (John Deere)
REACCH
Royal Organics
Rubisco Seeds
The Scouler Co.
Seed2Oil
Skone Irrigation
Spectrum Crop Development
Spokane Conservation District
Spray Center
SS Equipment, New Holland
St. John Hardware & Implement
Star Specialty Seed
Visit TriCities
Washington Oilseeds Commission
Western Ag Global
Western Farmer Stockman
Western States Equipment - CAT
Wilbur Ellis
WSU Extension/WOCS
NOW

Inland PNW Research and Extension Partnerships

1970s

SPS

Solutions to Environmental and Economic Problems

Columbia Plateau PM$_{10}$ Project
Regional and US Canola Acreage 2011-14

>140,000 PNW acres in 2014

% Increase

- Idaho: +111%
- Montana: +61%
- Oregon: +128%
- Washington: +322%

1000 Acres

iPNW  US
Washington Canola Acreage, 2014
showing % change from 2013

Source: Acreage Reported to USDA’s Farm Service Agency, as of 9/16/14
Prepared by Washington State Dept. of Agriculture
October 2014
Direct Seed Acreage

- Recent estimates for inland PNW: ~50% DS acreage (1-2) passes
  - 40-85% by county reported by SWCDs (PNNSA)
- ~68% Small Grains Conservation Farming in U.S. (CTIC, 2008)
Cropping Systems: A Complex Equation

\[ \sum_{H^3=0}^{BF} \binom{n}{k} DS^k (RT^l) + \text{Crop Rotation} C_{os, l, p, g, cc, f} H2O^{n-k} \text{Soil} = \]

\[ (\text{Food + By Products + Soil + Environment + Community})^n \]