

DIRECT SEED LINK



Photo by Derek Schafer, PNDSA Board Treasurer

2019 Direct Seed Conference *You don't want to miss it!*

The PNDSA is proud to present the 2019 Direct Seed Conference, [“Fundamentals, Fertility, and Food”](#) and it will be held January 8-9, 2019 at the Three Rivers Convention Center in Kennewick, Washington.

This year's lineup of speakers are set to educate and inspire you on a wide range of topics related to direct seed farming. Among them are [Dave Muth](#) of EFC Systems who will discuss Profitability Mapping, [Kurt Braunwart](#), owner of Pro Gene, who will present on Alternative Crops, and [Cat Solois](#) of McGregor Agronomy who will speak about soil health. Also presenting will be [George Vandermark](#), research leader with the USDA/ARS who will discuss garbs as a rotation crop. [Lana Shaw, Pag, MSc](#), research manager with South East Research Firm who will deliver a keynote presentation and break out session on cover crops. [Dr. Curt Livesay](#) and [Dr. Jill Clapperton](#) will present on imbalanced soil, how it affects soil and how to turn it around. Dryland farmer [Noah Williams](#) will share his results from using garbs and cover crops. [Dr. David Montgomery](#), professor of geology at the University of Washington, will be keynote speaker. Dr. Montgomery has authored three books on the importance of healthy soil and no-till farming.

Whether you are a seasoned direct seed farmer or merely considering it as an option for your operation, this conference will give you valuable information to educate and optimize your organization. So why not [register today](#)? Early bird registration prices are available now through 12/14. Space is available for [exhibitors](#) and [research posters](#). Don't delay, plan to be a part of this well attended, informative, and fun event. Contact [Ag Association Management](#), 509-585-5460, for more information.

We'll see you in January!

“Provide information exchange, advocacy on conservation policy issues, access to value-added benefits, and research coordination that supports the adoption of environmentally sustainable and economically viable direct seed cropping systems.”

PNDSA MISSION STATEMENT

In This Issue

President's Pen	2
Profile: Nachurs	3
Membership Information	3
Executive Director Update	4
Healthy Soil, Healthy Region Date	4
Profile: Syngenta	5
Pioneer Award Submissions	5
Exciting Opportunities for 2019	6
Profile: Bayer	6
Exhibitor Info	7
New Board Members Sought	8



President's Pen: Putting the Precise in Precision Farming

It's that time again for the newsletter. Like most of you, it has been a busy summer with harvest, spraying and getting ready to seed. Our average rainfall is 6-10" per year and there is no rain in the near-term forecast. My son Austin started his freshman year at Montana State University, and my daughter MaLinda, started her sophomore year of high school.

As for the PNDSA, we have had a busy summer. We have completed work for the conference. We reworked our partnership fees for sponsors and secured several national and locally known speakers. This year's conference is January 8-9, 2019.

Part two of my precision ag series. Over the summer Austin, MaLinda and I pulled 156 two-foot soil samples. We pulled samples on all our summer fallow as well as the stubble ground. The reason for pulling the samples on the stubble ground is we are trying to see how efficient our fertilizer was in growing last year's crop. We have Dusty Eddy at ATI in the Dalles, Oregon generating our fertility maps.

Dusty and I are currently using all the information we have gathered over the summer to help formulate this year's fall seed and fertilizer rates. In my area, I have to be very careful at limiting the damage that may occur from over seeding and fertilizing. The key is knowing what is currently in the ground which is why we take so many samples. We look at our yield and protein monitors to help us determine if our seed rate was correct, if the fertilizer rate is right and lastly, to see if we need to move a sample point or add one.

It is important to work with your seed company to determine the seed count per pound for each variety of seed you will be seeding. For those who just use pounds per acre, the size of the seed will impact how many plants per acre you will have. We base our seeding rates on seeds per foot. When we started we used three seeding rates, but in recent years we have gone to a four-rate system, all based on the soils ability to raise the most with the least amount of inputs. Soils that are two feet deep and less won't grow as much crop as soils that are five or six feet deep if seeded at the same rate. Learning how much your soil can raise for maximum yield on an average year is the key.

Over fertilizing poor soil is more harmful than over seeding because fertilizer builds up over time and can damage future crops. Make sure the fertilizer in your good soil is up, but don't be afraid to not put any fertilizer on the poor soil. On the 0-2' soils we use a low seed count per foot and as the soil gets deeper, we increase our seed count. When we first started this system, we found 200-450 pound nitrogen in some places in the field. Over time we have improved the soil and used that nitrogen up.

It is important to keep up to date with modern farming systems, including direct seed and precision agriculture, and the willingness to adopt new technology.

In conclusion, I have more than paid for having my maps generated for me due to the reduction in seed cost as compared to the way we used to do it. If you are interested in learning more, I will be speaking at this year's conference and will be happy to talk to you in more detail, showing maps and pictures.

I hope everyone has a happy and safe fall and a prosperous new crop year.

Sincerely,
Keith Morter

2018 PNDSA Board of Directors

Officers
Keith Morter
President
Devin Moon
Vice President
Derek Schaefer
Treasurer
Brent Uhlorn
Secretary

Idaho Directors
Pat Purdy
John McNabb
Lee Hawley
Tom Conklin

Oregon Directors
David Brewer
Noah Williams
Travis Hillman

Washington Directors
Devin Moon
Chuck Schmidt
Rick Jones
Derek Schafer
Jill Clapperton

Ex-Officio Members
Curt Livesay
Dr. Don Wysocki
Dr. Dave Huggins
Dr. Kurtis Schroeder
Aaron Esser
Tom Demianew

Executive Director
Ty Meyer

Thank you to the 2018 PNDSA Partners:



Support the PNDSA, a non-profit with the mission to provide direct seed producers support, research, mentoring, demonstrations, programs, meetings, and conventions with the ultimate goal to increase the number of direct seed acres.

Click [here](#) to find out more about the PNDSA's partnership levels and benefits.



Partner Profile: Nachurs

The Na-Churs Plant Food Company was founded in 1946 in Marion, Ohio. The Company formulated the first liquid fertilizer products that were available to greenhouses, nurseries, and to farmers. The "new liquid" concept of placing starter fertilizer with the seed caught on amongst the American farmers that led them to expand their operations across the country and into the Pacific Northwest in the 1970's. We continue to be at the leading edge of fertilizer technology today selling the NACHURS and the ALPINE brands.

NACHURS CropMax® liquid fertilizer is manufactured with 100% fully EDTA chelated copper, manganese, iron, and zinc. Unlike other micronutrient sources such as complexes, partial chelates, and natural organic complexes, NACHURS EDTA chelated micronutrients are 100% available to the crop. Other micro sources contain too little complexing agent and undergo major chemical changes, delivering significantly less micronutrient in a form available for plant uptake. While these sources of micros may offer cost savings at first, they can actually create deficiencies for lack of availability. <https://www.nachurs.com/products/fertilizer-products/product/cropmax/>

NACHURS imPulse® is a premium 100% orthophosphate in-furrow liquid fertilizer that contains NACHURS® Bio-K® technology, the plant preferred source of potassium. Highly available phosphate and potassium results in improved early season plant health and increased plant stress tolerance. Specially formulated for wheat crops, NACHURS imPulse® offers quick and uniform plant emergence to help maximize yield potential. NACHURS imPulse® is seed safe when used at recommended rates and non-corrosive to equipment, also offering excellent storability. www.nachurs.com/bio-k

For more information, please contact your Sales Representative, Travis Hillman at (541) 993-6277 or visit our website at www.nachurs.com to see why we are "Always the Innovator; Never the Imitator".

PNDSA Membership

Interested in becoming a member of PNDSA? Your membership fee is tax-deductible and will help PNDSA's mission to help more farmers adopt direct seed farming practices within Washington, Oregon, and Idaho. Here is just some of what the PNDSA offers:

- Annual Pacific Northwest Direct Seed Cropping Systems Conference (Members take advantage of reduced conference fees.)
- Representation to government on policy and program development that effect the environment and direct seed growers.
- Your source for the latest information and research on direct seed cropping systems.
- Peer support for growers developing their direct seed cropping systems.
 - Input to research throughout the Pacific Northwest.

Click [here](#) to find more information on membership levels and benefits and to sign up today!



Executive Director Update: Supporting You Through Your Direct Seed Journey

By Ty Meyer

As another harvest season comes to an end and fall seeding takes everyone's attention, the PNDSA continues to work on programs and issues that affect producers across the PNW.

Clean water and clean air continue to dominate the news across the region as regulators try to zero in on practices that are detrimental to each. PNDSA is actively working with producers, conservation agencies, regulators, and environmental interests to continue the process of outlining the benefits of direct seed and no-till practices. The association is a source of information and education for many of these groups because of one thing: our connection to you, the growers.

Our mission statement is: Provide information exchange, advocacy on conservation policy issues, access to value-added benefits, and research coordination that supports the adoption of environmentally sustainable and economically viable direct seed cropping systems.

Your membership is vitally important to the association being able to adequately represent your interests with all stakeholders. In as much as our mission is to help educate new and existing producers on direct seed and no-till practices that lead to economically viable operations, we also have an obligation to educate outside interests on the amazing work being done by those of you that have already adopted conservation farming practices.

Many times, it appears the only support available is for those that are interested in adopting new practices. Our goal is to help both the most recent additions to our family of direct seeders and the very experienced direct seed and no-till producers. Part of the success of the association over the years has been due to the well-developed relationships that have been established with policy makers, agencies, and regulators. Without a diverse approach to bringing people together centered around conservation, many of these outside interests would never hear from agriculture much less engage in direct discussions with them about how to achieve coordinated and beneficial results for everyone.

Telling our story is only part of the process. We must engage in the difficult discussions or someone will make decisions for us without our input. We can't afford to be left out of these very important discussions. PNDSA takes great pride in representing direct seeders across the region and will continue to work towards common goals on environmental issues while keeping farm profitability as the foremost goal.

environmental issues while keeping farm profitability as the foremost goal.

Take the time to register and attend the conference coming up on January 8th and 9th in Kennewick, WA. The agenda is nearly complete, and the speaker lineup is extraordinary. The conference committee has worked hard over the last 6 months to put this together and I thank them for their hard work. I hope to see you all in Kennewick!

Thank you,
Ty Meyer

SAVE the DATE

Healthy Soils, Healthy Region Workshop

"Coming together to increase adoption of soil health practices through coordination and training"

March 12-14, 2019 - Pendleton Convention Center
<http://csanr.wsu.edu/healthysoils/>

Workshops, demos, speakers, poster session, trade show, farm tour and more! Registration opens November 1, 2018

Fill out our conference planning survey at <http://bit.ly/HSHRsurvey>



"This material is based upon work that is supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, under award number 2017-38640-26971 through the Western Sustainable Agriculture Research and Education program under subaward number 201707-578. USDA is an equal opportunity employer and service provider."



How to Get More from Your Seed

Long before the smallest of shoots pushes through the seed embryo to find soil, we've been planning how to protect it from diseases, insects and the extremes of Mother Nature. It all starts in the township of Stanton, Minnesota, home to the Syngenta Seedcare Institute™ and the epicenter of North American seed treatment innovation.

In this 38,000-square-foot, state-of-the-art research and training facility, you will find our team of highly-skilled Seedcare experts building best-in-class customer services and seed treatment applications. Their attention to the tiniest of details ensures our treaters and growers receive a seed treatment product that:

- Addresses field needs
- Flows well through treatment equipment
- Stays on the seed
- Maintains seed integrity during storage
- Runs smoothly through planting equipment

As a result, growers will see improved seed germination, seedling emergence, root health, stand establishment and plant vigor. This holds true regardless of crop – from small-seeded crops, like canola, to wheat, lentils and more.

Our Seedcare family is dedicated to delivering on our “Innovation with Integrity” philosophy through our Seedcare P.A.S. (Products, Application and Services) offer. This commitment to our treaters, equipment technology providers and growers sets the bar within the industry. We set ourselves apart through:

- Innovative pipeline and a broad range of existing, effective **products**
- Recipe development; seed safety; **application**, quality and engineering support; stewardship; and training
- Tailored **services** to create and meet demand for treated seed

Today, up to 10 different technologies can be loaded onto the seed at once. The challenge lies in making sure all those technologies work together to make the plant perform better without damaging the seed. That is where our experts excel. Before applications are even made, Syngenta scientists research, develop and test recipes and best practices in seed treatment operations to ensure effective performance and safe application. We help customers assess and manage application quality, select the best application technology, provide seed biology and safety, conduct stewardship and training, and provide product marketing support.

The value of our attention to detail and hard work is apparent in our products. As an example, our Syngenta Cereals Seed Treatment insecticide/fungicide:

- Delivers better seed adhesion for less dust-off
- Has enhanced water compatibility for improved coverage and more uniform coating
- Ensures complete and uniform doses of active ingredient distribution to boost performance throughout the field

[Read more](#) about how our commitment to quality seed treatments give you better performance in the field.

©2018 Syngenta. The Seedcare Institute™ is a trademark of a Syngenta Group Company.

“AGRICULTURE IS THE MOST HEALTHFUL, MOST USEFUL, AND MOST NOBLE EMPLOYMENT OF MAN.”

-GEORGE WASHINGTON



Accepting Nominations for the 2019 Direct Seed Pioneer Awards

The PNDSA is accepting nominations for the 2019 Pioneer Award; either farmers, industry, or researchers, that exemplify leadership in direct seeding. The Webster definition of pioneer is, “a person or group that originates or helps open up a new line of thought or activity or a new method or technical development.”

Send your nomination to pndsa@directseed.org, include the name of the nominee with a short description for their contributions to direct seeding. All nominations will be reviewed by the Board of Directors. The board will vote to select the 2019 Direct Seed Pioneer and will be awarded at the 2019 Cropping Systems Conference, in Kennewick, WA.

Fantastic New Opportunities in 2019!

2019 is just around the corner and with it come exciting new changes and advantages for members of the PNDSA family. We have updated our sponsorship program to expand benefits to our Gold, Platinum, and Diamond members. These will now not only include greater visibility and opportunities for access at the annual conference than in previous years (larger display areas, more conference registrations, access to private rooms) but also marketing opportunities throughout the year including posts to the PNDSA website and Facebook page, profiles and ads in multiple newsletters, as well as web ads and banners at other PNDSA events (Full details can be found on the opposite page).

Also very exciting is the introduction of the PNDSA App which you will be able to download to your phone for conference information and networking opportunities. Maps, speaker bios, the conference agenda, as well as other valuable information will make your experience more customizable and navigable. More information about the app will be available soon!

A big thank you to those who have already signed up to sponsor and partner with us in 2019!



Partner Profile: Bayer

Science For A Better Life

There has never been a more important time for innovation in agriculture. Our world faces enormous challenges, from a changing climate, limited natural resources to a growing population. And, we believe agriculture is part of the solution.

At Bayer, we're a responsible, global team working to shape agriculture through breakthrough innovation for the benefit of farmers, consumers and our planet. We harness cutting-edge agricultural and environmental innovations to deliver on our collective purpose: **Science For A Better Life**. We strive to deliver innovative solutions that help maximize farm yields, secure harvests from devastating disease and pests, and keep our living spaces and environment healthy and beautiful. And, while we don't have all the answers, our passion for discovery, collaboration and curiosity mean we will never stop striving to find them.

Through our work, we're committed to delivering better solutions for all farmers while enabling more choice for consumers to help them and our planet thrive.

AS A NON-PROFIT, THE PACIFIC NORTHWEST DIRECT SEED ASSOCIATION RELIES ON SPONSORS AND EXHIBITORS TO BRING IN HIGH CALIBER SPEAKERS TO MAKE OUR CONFERENCE A SUCCESS. IF YOUR ENTITY OR AG BUSINESS BENEFITS FROM OR SUPPORTS DIRECT SEEDERS, PLEASE CONSIDER SPONSORING OR EXHIBITING AT OUR CONFERENCE. THANK YOU!

To Become a Sponsor
Please Contact Us at:
(P) 509-585-5460
(F) 509-585-2671
or email
khatch@agmgt.com



January 8-9, 2019 - Three Rivers Convention Center, Kennewick, WA

Sponsorship and Sponsorship Plus Annual Partnership

Diamond Sponsorship PLUS Annual Partnership - \$25,000

- Four Push Notifications via new Cropping Systems Conference App.
 - Recognition as Diamond Sponsor on all conference materials, website, program, proceedings
 - Lead logo on all conference materials and signage
 - 12 conference registrations
 - Private Mtg room at Conference \$500 (Availability)
 - 3.5" x 5" ad featured in the *Capital Press*
 - Full Page ad in on-site program
 - Company brochure inserted in all registrations
 - 5-minute presentation during one lunch or breakfast session
 - Two 8' x 10' Side-by-side Exhibit Spaces OR One 20' x 20' Floor Space
- Plus Annual Diamond Benefits:** 10 posts (research or marketing collateral) to PNDSA Partner web page and Facebook, a two-page Company Profile article in Direct Seed Link newsletter, two display ads in newsletter, year-round web ad on DirectSeed.org, banner at all events.

Platinum Sponsorship PLUS Annual Partnership - \$10,000

- Three Push Notifications via new Cropping Systems Conference App.
 - Recognition as Platinum Sponsor on all conference materials, website, program, proceedings
 - Secondary logo on all conference material and signage
 - 8 conference registrations
 - Two 8' x 10' side-by-side Exhibit Spaces
 - Business Card ad featured in *Capital Press*
 - Business card in on-site program
 - Private Mtg room at Conference \$500 (Availability)
- Plus Annual Platinum Benefits:** 6 posts (research or marketing collateral) to PNDSA Partner web page and Facebook, a 1.5-page Company Profile article in Direct Seed Link newsletter, two display ads in newsletter, six-month web ad on DirectSeed.org, banner at all events.

Gold Sponsorship PLUS Annual Partnership - \$5,000

- Two Push Notifications via new Cropping Systems Conference App.
 - Recognition as Gold Sponsor on all conference materials, website, program, proceedings
 - Choice of coffee breaks or door prize sponsor
 - 4 conference registrations
 - One 8' x 10' Exhibit Space
 - Logo featured in the *Capital Press*
 - Logo in on-site program
 - Private Mtg room at Conference \$500 (Availability)
- Plus Annual Gold Benefits:** 3 posts (research or marketing collateral) to PNDSA Partner web page and Facebook, a 250 word Company Profile article in Direct Seed Link newsletter, one display ad in newsletter, three month web ad on DirectSeed.org, banner at all events.

Silver - \$2,500

- Single Push Notification via new Cropping Systems Conference App.
- Recognition as Silver Sponsor on all conference materials, website, program, proceedings
- 3 conference registrations
- One 8' x 10' Exhibit Space
- Name featured in the *Capital Press*
- Name featured in the on-site program
- Private Mtg Room at Conference \$500 (Availability)

Bronze - \$1,250

- Recognition as Bronze Sponsor on conference materials, website, program, proceedings
- Two conference registrations
- Name featured in the on-site program

Lanyard - \$2,000 (1 Available)

- Logo featured on tag lanyard
- 1 complimentary registration

Supporter Package - \$850 with Exhibit Space, \$500 without Exhibit Space

- Recognition with a listing the conference program and on signage
- 1 complimentary registration
- One 8' x 10' Exhibit Space

PNDSA Seeks New Board Members

The PNDSA wishes to send our heartfelt thanks to Rick Jones of Wilbur, WA and Lee Hawley of Moscow, ID for their years of service on our Board of Directors. Thank you for your vision and hard work in promoting the cause of direct seed farming!

With their departure, we are looking for two new or seasoned direct seed farmers (one in Idaho and one in Washington) that want to keep our Association strong in helping more farmers transition to direct seeding and current direct seeders supported with the latest research and management strategies. The board meets quarterly at locations in Kennewick, Pendleton, Spokane, and Lewiston.

Board responsibilities include:

- Commit to a three (3) year term
- A current (paid) member of PNDSA
 - Hold an interest in a farm
- Attend Board of Directors quarterly meetings and annual meeting
- Participate on one Working Committee (Policy/Advocacy, Conference Planning, Research, Benefit Development, Farmed Smart, Funding/Financial, Executive).
- Present at one regional meeting on your direct seed farming practices or PNDSA

If you would like more information, please contact one of our current board members or Ty Meyer. Past board members are available to serve again after a one year break. If interested, or you would like to nominate someone, please contact Ty at pndsa@directseed.org or 509-995-6335.

Contact Us

Contact us for more information about our services and products

PNDSA
PO Box 5
Colton, WA 99113

Ty Meyer
PNDSA Executive Director
pndsa@directseed.org |
509-995-6335

Inquires about the Direct Seed Link Newsletter:
Editor: Bethany Jones
bjones@agmgmt.com

Find us at:
www.directseed.org
and follow us on :



PLACE
STAMP
HERE