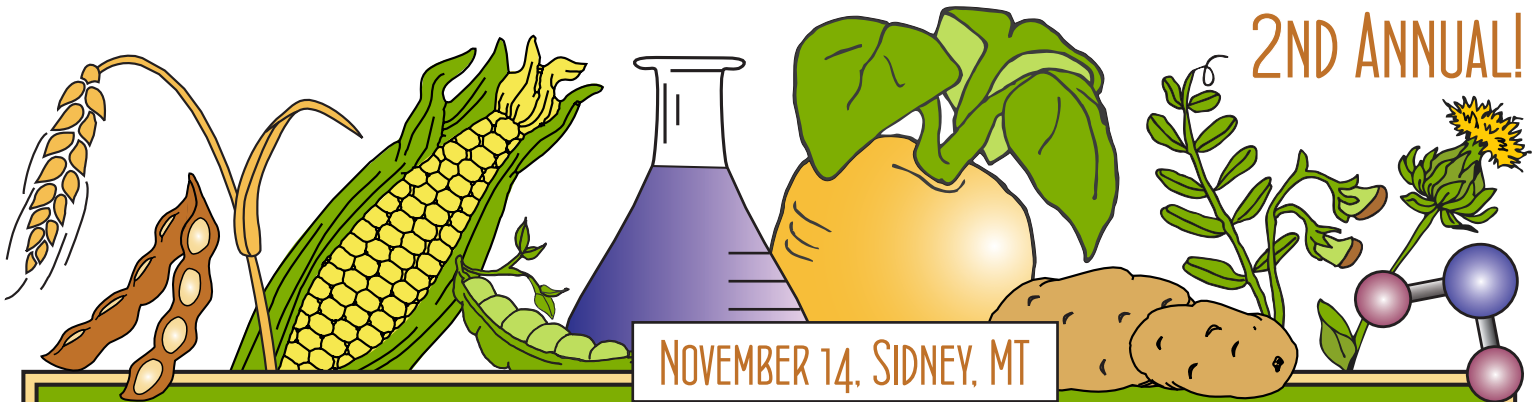


2ND ANNUAL!



NOVEMBER 14, SIDNEY, MT

MONDAK AG RESEARCH SUMMIT

NOVEMBER 14, 2018 ~ 9 AM-3 PM (MT) ~ RICHLAND COUNTY EVENT CENTER, SIDNEY, MT

THIS EVENT IS FREE!

LUNCH! DOOR PRIZES! AND MORE!

Learn about research relevant for your operation!

(See program details on back)

Opportunities to visit with local scientists about your research needs and ideas!

View more than 20 posters on current projects and chat with the researchers!

Visit with industry reps and fellow producers on issues facing agriculture in this region!

PRESENTED BY:

MSU Eastern Agricultural Research Center, Sidney
NDSU Williston Research Extension Center, Williston
USDA-ARS Northern Plains Agricultural Research Lab, Sidney



NDSU

WILLISTON RESEARCH EXTENSION CENTER



United States Department of Agriculture

Agricultural Research Service

PREREGISTRATION

NOT REQUIRED...

....but helpful for lunch planning!

To preregister, please include number attending (for the lunch) and their names. Mail completed form by **Nov. 9th** to:

Beth Redlin, USDA-ARS-NPARK, 1500 N. Central Avenue, Sidney, MT 59270

Name(s):

Number Attending _____

You can also preregister online at:

<https://tinyurl.com/mondaksummit18>

or by calling 406-433-2020 or emailing

beth.redlin@usda.gov

OUR PROGRAM

This event is **FREE** and open to the public!

MT PESTICIDE POINTS AND
CCA CEU'S PENDING

- 9:00 am *Welcome*
- 9:10 am **Guest Speaker:** Brian Jenks, Minot, ND
Weed control of horseweed, narrowleaf hawksbeard, kochia, Russian thistle and others
- 9:40 am **Weeds, Insects and Disease**
John Gaskin – *Rangeland and aquatic weed update*
Natalie West - *Integrating biocontrol into your weed management plan*
Stefan Jaronski - *A fungus bait formulation for grasshopper, Mormon cricket control*
Audrey Kalil - *The effect of tillage and rotation on rhizoctonia root and crown rot*
- 10:25 am **Poster Session / Break** (*Visit with the scientists*)
- 11:10 am **Irrigated and Dryland Cropping Systems**
Chengci Chen – *Effect of tillage, irrigation, and nitrogen on sugarbeet yield and sugar content*
Bart Stevens – *Tillage vs no-till effect on corn, soybean, barley and sugarbeet yield (Nesson) and water use efficiency under irrigated conditions*
Don Tanaka - *Economics and soil health of sustainable cropping systems*
Upendra Sainju - *Dryland pea production and water use affected by tillage, crop rotation, and cultural practice*
- 12:15 pm **Lunch - Sponsor: Northern Pulse Growers Association** 
Speaker – *Brian Gion, Marketing Director of NPGA*
- 1:15 pm **Concurrent Sessions / Break - at 1:55 pm**
Room 1: *Small group discussions with scientists and attendees*
Room 2: Brett Allen – *Cover crops replace fallow in semi-arid durum cropping systems*
Kyla Splichal – *High tunnel use and construction*
Yesuf Mohammed – *Pulse crop variety selection, performance*
Justin Jacobs – *Spring wheat and durum irrigated varieties*
- 2:50 pm *Wrap-up*

OUR SPONSORS

THANKS!



Montana-Dakota
Beet Growers Association



Sidney, MT / Williston, ND



Tri-County Implement, Inc.
Sidney, MT

POSTER SESSION

In addition to the program presentations, more than 20 research posters will be on display showing the breadth of work done by local scientists, who will also be on hand to discuss their work or other topics of interest to participants. A sampling of posters to be presented is at right.

- *Development of a disease nursery to screen cereal varieties for Fusarium head blight resistance*
- *Different cover crop species affecting the subsequent wheat yield and protein content*
- *Different spring wheat and durum varieties response to dryland and irrigation environments.*
- *Spring wheat response to nitrogen application method and timing.*
- *Over-winter soil water recharge in cropping sequence study*
- *Effects of sugarbeet factory spent lime on crop production in a two-year crop rotation of wheat and sugarbeet*
- *Effect of crop rotation and tillage on Rhizoctonia solani AG 2-2 soil populations and root and crown rot disease in sugar beet*
- *Characterizing Fusarium oxysporum f.sp. pisi isolates causing root rot of field pea in ND*
- *Watermark soil moisture sensors for irrigation scheduling*
- *Renovating monocultures of exotic cool season grass seedings to multifunctional CRP*
- *Effects tillage, rotation and residue removal on soil C in three sugarbeet rotations (Sidney)*
- *Russian olive control and restoration*
- *Using population models to explore the compatibility of crop resistance and biological control to manage the wheat stem sawfly*
- *Are northern Great Plains grasslands resilient to sustained high levels of grasshopper herbivory?*
- *Local soil amendment option to combat soil acidity issues and build overall soil health*
- *And more!*