



NOVEMBER 15, SIDNEY, MT

MONDAK AG RESEARCH SUMMIT

NOVEMBER 15, 2017 ~ 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



PREREGISTER AND WIN!
BY NOVEMBER 8

Everyone who preregisters is eligible to win one of two sets of collectible model tractors from **T&E of Williston!**



(Must be present to win.)

First 50 registrants will also receive weatherproof cell phone pouches and water bottles!

To preregister, please include number attending (for the lunch) and their names (for the preregistration prize drawings). Mail completed form by **Nov. 8th** to:

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

Name(s): _____ Number Attending _____

NOTE: You may also preregister online at: <https://tinyurl.com/y9b218xs> or by calling **406-433-2020** or emailing beth.redlin@ars.usda.gov

OUR PROGRAM

This event is FREE and open to the public!

MT PESTICIDE POINTS AVAILABLE
(2 PRIVATE, 2 COMMERCIAL)
& 1.5 CCA CEU'S!

- 9:00 am Welcome
- 9:15 am **Crop Diseases**
Audrey Kalil – *Fusarium head blight management and planting scabby seed*
Frankie Crutcher – *Effect of seed treatments for control of Rhizoctonia root rot of sugarbeet*
- 9:45 am **Wheat Stem Sawfly / Invasive Weeds**
Tatyana Rand – *Biological control of the wheat stem sawfly*
Stefan Jaronski – *Microbial control of wheat stem sawfly*
John Gaskin – *Update on invasive weeds and biocontrol*
- 10:30 am **Poster Session / Break** (Visit with the scientists)
- 11:15 am **Dryland and Irrigated Cropping Systems**
Don Tanaka - *Soil health in diverse dryland cropping systems of the northern Great Plains*
Bart Stevens – *Irrigated cropping sequence with sugarbeet and soybean*
Bart Stevens / Chengci Chen - *Sugarbeet response to tillage and nitrogen management*
- 12:00 pm **Variety Discussion Panel**
Chengci Chen – *Pulse crop variety performance in Eastern MT*
Tyler Tjelde – *Small grain varieties for irrigated production*
Austin Link – *Small grain varieties for dryland production*
- 12:30 pm **Lunch - Sponsor: Northern Pulse Growers Association**
Speaker – Brian Gion, Marketing Director of NPGA 
- 1:30 pm **Concurrent Sessions**
Room 1: *Small group discussions with scientists and attendees*
Room 2: Kyla Spichal – *High tunnel vegetable production*
Dave Branson – *Grasshopper outbreak prediction*
- 2:15 pm **Poster Session / Refreshments** (Visit with the scientists)
- 3:00 pm *End program*

OUR SPONSORS

THANKS!



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.

- Micronutrient fertilization of dry pea: effect on grain yield
- Sugarbeet yield and quality response to irrigation management
- Effect of planting date and maturity on disease incidence and severity of durum in Eastern MT
- Expanding pre-emergence weed control options in safflower
- Evaluating the effect of crop rotation and tillage on Rhizoctonia root and crown rot disease in sugarbeet
- Growth and yield of soybean varieties under semi-arid no-till conditions
- Reduced irrigation amounts on durum wheat and barley production
- The "Underwear Test" (Table display)
- Effects of cropping sequence, ripping, and manure on pipeline reclamation
- Stacked and alternate-year durum rotations with different cultural practices: crop yield and soil carbon / nitrogen-use efficiency
- Nitrogen fertilization of dryland perennial grasses: effects on root and biomass yield
- Conventional, reduced and zero tillage effects on sugarbeet yield and soil compaction
- Yield potential for winter and summer-type oilseed crops
- The importance of fertilizer band position to sugarbeet growth in reduced tillage systems
- Variability of wheat cultivars to host endophytic *Beauveria*, *Metarhizium*
- Agricultural insect pests in a changing climate