



# NDSU Carrington Research Extension Center 58<sup>th</sup> Annual Field Day • Tuesday, July 18, 2017

**REFRESHMENTS, WELCOME, AND AG EXPERIMENT STATION AND EXTENSION HIGHLIGHTS**  
**9:00 A.M. AT THE MAIN OFFICE • DR. KEN GRAFTON, VICE PRESIDENT FOR AGRICULTURAL AFFAIRS, DEAN AND DIRECTOR**

## MORNING TOUR OPTIONS - 9:30 TO 12:00 (ATTEND ONE)

### Crop Variety and Production Review

- Dry Bean Variety Update** - Greg Endres
- Soybean Variety Update/Research Projects/Cultivar Traits** - Mike Ostlie
- Corn Production Current Status and Management/Research Projects** - Joel Ransom/Paulo Flores
- Spring Wheat Variety Update** - Andrew Green/Blaine G. Schatz
- Canola and Carinata Research Project Status** - Bryan Hanson/Mike Ostlie

### Livestock Production Review

- Rye Forage for Cattle** - Chanda Engel
  - ✘ Results of Rye Silage Feedlot Trial
  - ✘ Swath Grazing German Millet after Rye Harvest
  - ✘ Double Cropping Rye with Barley for Forage
- Corn Silage Sampling Project** - Carl Dahlen
- Feed Additives for Enhancing Rumen Fermentation** - Uchenna Anele
- Drylot Cow-Calf Production** - Chanda Engel
  - ✘ Drought Applications
- Feed Mixing Demonstration to Determine Adequate Mixing Time** - Carl Dahlen/Tim Schroeder



### Organic Research and Education



- Oat Production and Organic Research/Consumer Insights** - Tom Rabaey
- Oat Variety Development** - Mike McMullen
- Oats for Forage** - Steve Zwinger
- Chef's Perspective of Local and Organic Grain Use** - Dan Barber
- Organic Field Pea Variety Development** - Byron Lannoye

- Organic Oat Breeding** - Jennifer Mitchell Fetch
- Marketing Oats in Local Markets** - Noreen Thomas
- Future of Organic Production** - Fred Kirschenmann
- Cereal Grains for Local Craft Use** - Rich Horsley

*Appreciation is expressed to the U.S. Organic Grain Collaboration and General Mills for partial funding for this tour.*

### Northern Hardy Fruit Review

- Orchard Overview**
  - ✘ Walking Tour of 13 Fruit Crops
- Native Pollinators in the Orchard**
  - ✘ TJ Prochaska, Area Extension Specialist, Crop Protection



## AFTERNOON TOUR OPTIONS - 1:30 TO 3:30 (ATTEND ONE)

### Production Systems / Plant Nutrition / New Technology

- Rye Cover Crop for Soybean and Dry Bean** - Mike Ostlie
- Practical Applications for UAVs** - Paulo Flores
- Soybean Weed Management Traits** - Greg Endres
- Integrating Cover Crops and Beef** - Chanda Engel
- Industrial Hemp** - Roger Gussiaas/Bryan Hanson
- Sensor-based N for Wheat and Corn** - Szilvia Yuja
- P Impact on Wheat Varieties** - Jasper Teboh



### Soil Health Workshop (Organic Systems)

- Soil Health, Nutrition and Taste** - Dan Barber
- Soil Health Insights** - Fred Kirschenmann
- Garden Production Effects on Soil Health** - Theresa Podoll
- Livestock** - Darrell Oswald
- Weed Ecology** - Greta Gramig
- Cover Crops** - Marisol Berti
- NRCS** - Hal Weiser

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### Pulse Crop Tour - Improving Pest Management



- Management of Ascochyta Blight of Chickpeas** - Julie Pasche/Michael Wunsch
- Disease Management Priorities and Research in Western ND** - Audrey Kalil
- Management of Root Diseases in Peas and Lentils** - Julie Pasche/Michael Wunsch
- Management of Foliar Diseases in Peas** - Michael Wunsch
- Weed Management Update** - Brian Jenks
- Identification and Management of Faba Bean Diseases** - Venkat Chapara
- Insect Management Update** - TJ Prochaska
- Management of Foliar Diseases in Lentils** - Michael Wunsch

**Noon Meal provided by the following sponsors:**

**Carrington Research Extension Center  
Northern Pulse Growers Association**