



AGRONOMY/SOILS FIELD DAY

Cultivating a Resilient Agriculture

Tours & Exhibits of Current Crops & Soils Research

Wednesday, August 30, 2017

Arlington Agricultural Research Station

Registration @ 8 am

Tours depart from the Public Events Facility at
8:30 am, 10:30 am, & 1:45 pm

Lunch provided by UW-Madison Badger Crops Club
{suggested donation \$5/person}

Tour A: Building Soil Health {8:30 & 10:30 am}

- Soils of Wisconsin (Alfred Hartemink)
- Importance of perennialization & diversification (Gregg Sanford & Randy Jackson)
- Do cover crops improve soil health? (Matt Ruark)
- Trade-offs with soil management decisions (Francisco Arriaga)

Tour C: Perennial Forages to Accomplish Diverse Goals {10:30 am & 1:45 pm}

- Alfalfa: What have we learned & where are we headed? (Dan Underlander)
- When & where do fungicides pay in forage crops (Damon Smith)
- Intermediate wheatgrass for forage & grain (Valentin Picasso)
- Silvopasture: Benefits & challenges of trees in grazing systems (Keefe Keeley, Diane Mayerfeld & Steve Ventura)

Tour B: Managing Short- & Long-term Risk in Cropping Systems {8:30 & 10:30 am}

- How many corn hybrids should I grow on my farm? Minimizing risk & maximizing options (Joe Lauer)
- Harnessing G x E x M interactions in soybean (Shawn Conley)
- Weed management over 27 years in the Wis. Integrated Cropping Systems Trial (Nathan Drewitz & Dave Stoltenberg)
- Identification, distribution & herbicide resistance of waterhemp & Palmer amaranth (Sam Marquardt & Mark Renz)

***Tour D: Designing Landscapes for Profit, Clean Water, Stable Climate & Biodiversity {10:30 am & 1:45 pm}**

- Yahara 2070: Using scenarios to understand impacts of future watershed land use (Chris Kucharik)
- SmartScape™: Developing a decision support tool for farmscape management (Claudio Gratton)
- Biodiversity in the soil: Exploring how soil microbes influence crops (Thea Whitman)

***Tour D will be held in the Auditorium**

Lunch & Panel Discussion @ 12:00 to 1:45pm, in the Auditorium

“What Do We Mean by Resilient Agriculture?”

Randy Jackson (Moderator; Professor, Dept. of Agronomy, UW-Madison) – Panelists include

Andy Bensed (A B Farms, Dallas, Wis.)

Sarah Lloyd (Special Products Coordinator, Wis. Farmers Union)

Heidi Johnson (Crops & Soils Educator, Dane Co. UW-Extension)

Matt Ruark (Professor & Extension Specialist, Dept. of Soil Science, UW-Madison)

The Arlington Research Station is located on Hwy. 51, about 5 miles south of Arlington & 15 miles north of Madison. Watch for Field Day signs.

For more information contact the Dept. of Agronomy 608/262-1390
or the Dept. of Soil Science 608/262-0485.

In the event of rain, presentations will be held inside.

Sponsored by the UW-Madison College of Agricultural & Life Sciences/Arlington Agricultural Research Station/Departments of Agronomy & Soil Science, & UW Cooperative Extension

{Certified Crop Advisors: 5 CEU credits have been requested}