



Cultivating a Resilient Agriculture*

(*resilient - recovering or adjusting easily to misfortune or change)

8.00 am–3.00 pm Wednesday 30 August 2017 | [Arlington Agricultural Research Station](#)
Lunch provided by UW-Madison Badger Crops Club (suggested donation \$5/person)

Tour 1: Building soil health (8.30a and 10.30a)

Site: WICST | Moderator: Matt Ruark

Soils of Wisconsin	Alfred Hartemink	Chair & Professor, Soil Science
Importance of perennialization and diversification	Gregg Sanford ¹ & Randy Jackson ²	¹ Associate Research Scientist & ² Professor, Agronomy
Do cover crops improve soil health?	Matt Ruark	Associate Professor & Extension Specialist, Soil Science
Tradeoffs with soil management decisions	Francisco Arriaga	Assistant Professor & Extension Specialist, Soil Science

Tour 2: Managing short- and long-term risk in cropping systems (8.30a and 10.30a)

Site: Long-term rotation trials | Moderator: Shawn Conley

How many corn hybrids should I grow on my farm? - Minimizing risk and maximizing options	Joe Lauer	Professor & Extension Specialist, Agronomy
Harnessing G x E x M interactions in soybean	Shawn Conley	Professor & Extension Specialist, Agronomy
Weed management over 27 years in the Wisconsin Integrated Cropping Systems Trial	Nathan Drewitz ¹ & Dave Stoltenberg ²	¹ Graduate student & ² Professor, Agronomy
Identification, distribution, and herbicide resistance of waterhemp and Palmer amaranth	Sam Marquardt ¹ & Mark Renz ²	¹ Graduate student & ² Associate Professor & Extension Specialist, Agronomy

Tour 3: Perennial forages to accomplish diverse goals (10.30a and 1.45p)

Site: Field 351 | Moderator: Ken Albrecht

Alfalfa: what have we learned and where are we headed?	Dan Undersander	Professor & Extension Specialist, Agronomy
When and where do fungicides pay in	Damon Smith	Assistant Professor & Extension

forage crops?		Specialist, Plant Pathology
Intermediate wheatgrass for forage and grain	Valentin Picasso	Assistant Professor, Agronomy
<i>Silvopasture</i> : Benefits and challenges of trees in grazing systems	Keefe Keeley ¹ , Diane Mayerfeld ¹ , & Steve Ventura ²	¹ Graduate Students & ² Professor, Department of Soil Science & Nelson Institute for Environmental Studies

Tour 4: *Designing landscapes for profit, clean water, stable climate, and biodiversity* (10.30a and 1.45p)

Site: Auditorium | Moderator: Randy Jackson

<i>Yahara 2070</i> : Using scenarios to understand impacts of future watershed land use	Chris Kucharik	Professor, Agronomy & Environmental Studies
<i>SmartScope</i> : Developing a decision support tool for farmscape management	Claudio Gratton	Professor, Entomology
Biodiversity in the soil: Exploring how soil microbes influence crops	Thea Whitman	Assistant Professor, Soil Science

Lunch-time panel discussion (12.00p-1.30p): *What do we mean by resilient agriculture?*

Site: Auditorium | Moderator: Randy Jackson

Panelists:

- Andy Bensed (A B Farms, Dallas, WI)
- Sarah Lloyd (Special Products Coordinator, Wisconsin Farmers Union)
- Heidi Johnson (Crops & Soils Educator, UW Extension-Dane County)
- Matt Ruark (Professor & Extension Specialist, Department of Soil Science)

Tour times

Tour	8.30a-10.00a	10.30a-12.00p	12.00p-1.30p	1.45p-2.45p
1-Building soil health	x	x		
2-Managing short- and long-term risk in cropping systems	x	x		
3-Perennial forages to accomplish diverse goals		x		x
4-Designing landscapes for profit, clean water, stable climate, and biodiversity		x		x
Lunch/Panel discussion			x	

Exhibits & Posters

Site: Auditorium foyer