

2018 Alabama Precision Agriculture Workshop

Technological Innovations for Sustainable and Profitable Agriculture in the Southeast

January 18th, 2018, 8:00 AM – 6:00 PM
Birmingham Botanical Gardens
2612 Lane Park Rd, Birmingham, AL 35223

GOALS


















- Review the basics of the most adopted precision agriculture management strategies in the US.
- Learn how adoption of precision agriculture technologies can make agricultural production more efficient and more profitable while increasing environmental sustainability
- Learn what it takes “Turning your Precision Agriculture technological investment into Profits”
- Connect with University faculty and Industry representatives that can help you either implementing or advancing into Precision Agriculture management strategies

SCHEDULE OF EVENTS

- 7:30-8:25** Registration and Information Packet Pick Up
- 8:30-8:40** Welcome and Introductions - Auditorium (Brenda Ortiz)
- 8:40-9:20** Current trends in Precision Agriculture – Smart Ag (Dr. Steven J. Thompson – National Program Leader for Agricultural and Biosystems Engineering, USDA-NIFA)
- 9:35-12:20** Precision Ag. Management Stations: Morning Session by University Faculty (Rotation every 30 minutes)
- 12:30-1:30** **Lunch and visit of Exhibits/Booths**
- 1:30 pm** **Farmers Panel – On-farm benefits of Precision Agriculture Adoption**
- 2:20-4:45** Precision Ag. Hands-on activities/Demos: Afternoon Session by Industry (Rotation every 20 minutes)
- 4:45-6:00** **Visit of Exhibits/Booths and Networking**

Presentations by University Faculty				
Session	Time	Blue group (Audrey)	Green group (Brenda)	Yellow group (Greg)
1	9:35-10:05	Variable-rate nitrogen application in cotton <i>Phillip Williams</i> <i>Clemson University</i> Classroom 1	Variable-rate seeding technology to increase profitability <i>Dr. Ignacio Ciampitti</i> <i>Kansas State University</i> Lecture room	UAVs in Agriculture <i>Dr. Juan A. Landivar</i> <i>Texas A&M University</i> Classroom 2
2	10:10-10:40	Variable-rate seeding technology to increase profitability <i>Dr. Ignacio Ciampitti</i> <i>Kansas State University</i> Lecture room	UAVs in Agriculture <i>Dr. Juan A. Landivar</i> <i>Texas A&M University</i> Classroom 2	Precision Planting: Optimizing vigor and yield <i>Dr. Wesley Porter</i> <i>University of Georgia</i> Classroom 1
3	10:45-11:15	UAVs in Agriculture <i>Dr. Juan A. Landivar</i> <i>Texas A&M University</i> Classroom 2	Variable-rate nitrogen application in cotton <i>Phillip Williams</i> <i>Clemson University</i> Classroom 1	Ag. Data Management <i>Trey Colley</i> <i>Ohio State University</i> Classroom 3
4	11:20-11:50	Ag. Data Management <i>Trey Colley</i> <i>Ohio State University</i> Classroom 3	Precision Planting: Optimizing vigor and yield <i>Dr. Wesley Porter</i> <i>University of Georgia</i> Classroom 1	Variable-rate seeding technology to increase profitability <i>Dr. Ignacio Ciampitti</i> <i>Kansas State University</i> Lecture room
5	11:55-12:15	Precision Planting: Optimizing vigor and yield <i>Dr. Wesley Porter</i> <i>University of Georgia</i> Classroom 1	Ag. Data Management <i>Trey Colley</i> <i>Ohio State University</i> Classroom 3	Variable-rate nitrogen application in cotton <i>Phillip Williams</i> <i>Clemson University</i> Lecture room

Hands-on Activities/Demos - Presentations by Industry

Session	Time	Blue group (Audrey)	Green group (Brenda)	Yellow group (Greg)
1	2:20-2:40	<p>Ag. Data management</p>  <p>Classroom 1</p>	<p>Sensor-based Irrigation water management</p>  <p>Lecture room</p>	<p>Fertigation</p>  <p>Classroom 2</p>
2	2:45-3:05	<p>Fertigation</p>  <p>Classroom 2</p>	<p>Ag. Data management</p>  <p>Classroom 1</p>	<p>Sensor-based Irrigation water management</p>  <p>Lecture room</p>
3	3:10-3:30	<p>Precision planting</p>  <p>Classroom 3</p>	<p>Remote sensing for variable rate nitrogen application</p>  <p>Lecture room</p>	<p>Precision Spraying</p>  <p>Classroom 2</p>
4	3:35-3:55	<p>Sensor-based Irrigation water management</p>  <p>Lecture room</p>	<p>Fertigation</p>  <p>Classroom 2</p>	<p>Ag. Data management</p>  <p>Classroom 1</p>
5	4:00-4:20	<p>Precision Spraying</p>  <p>Classroom 2</p>	<p>Precision Planting</p>  <p>Classroom 3</p>	<p>Remote sensing for variable rate nitrogen application</p>  <p>Lecture room</p>
6	4:25-4:40	<p>Remote sensing for variable rate nitrogen application</p>  <p>Lecture room</p>	<p>Precision Spraying</p>  <p>Classroom 2</p>	<p>Precision Planting</p>  <p>Classroom 3</p>

Funding Agencies

