



The Digital Ag Download

A quarterly eNewsletter with research updates, Precision Ag news, and digital tools for your farm.

2019 Mid-year Research Report

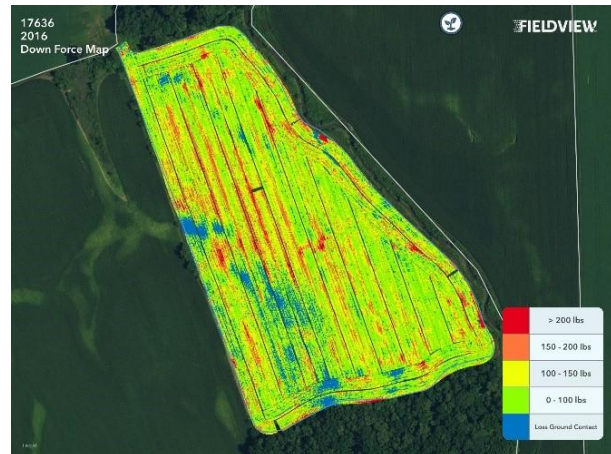
As the growing season progresses across the state and most crops have emerged, we wanted to share some helpful findings to use through the growing season! Be sure to share this newsletter with anyone who may be interested; we hope you enjoy! – The Ohio State Digital Ag Team

Digital Agriculture at OSU

What Is the Value of Sharing Farm Data?

There exists a variety of precision agriculture hardware and digital technologies that enable farm and field level data to be collected. Collecting and storing data by a farmer is an initial step to creating value from data but the real value comes through analyzing and using the data. Another key value for farmers is sharing data with trusted advisers in order for those providers to deliver services and information back to the farmer.

Click the button below to read the article by Dr. John Fulton and Jenna Lee of the Ohio State University Digital Ag team that touches on the value and benefit of sharing farm data in today's agriculture market.



[Link to Article](#)

Meeting focused on cover crops for prevented planting acres

Cover crop experts and suppliers in Ohio participated in a meeting focused on how to handle the many prevented planting acres in Northwest Ohio. In the linked video, David Brandt (Walnut Creek Seeds), Dwight Clary (Clary Farms, LLC.), Cody Beacom (Bird Agronomics), and Alan Sundermeier, OSU Extension, Wood County talk cover crops. Weed control is also critical in prevented planting situations and Jeff Stachler, OSU Extension Auglaize County, will speak on the topic. Brad Wingfield, Wingfield

Crop Insurance Service, will cover the numerous crop insurance issues farmers will have to work through.

Sponsored by the Ohio Farm Bureau Federation, here is full coverage of the special Ohio No-Till Council "Cover Crops for Prevented Planting Acres" event held June 27, 2019 at the Ohio Northern University.

VIDEO: Cover Crops for Prevented Planting Acres special meeting

2019 ASABE Annual International Meeting

Last week, the annual ASABE international meeting was held in Boston. Members of the OSU Digital Ag team in attendance and presenters included Andrew Klopfenstein, Dr. John Fulton, and Dr. Elizabeth Hawkins. Other attendees from the university included Dr. Scott Shearer (FABE department chair), Chris Wiegman, and Dr. Dee Jepsen. Below is a brief recap of some of the presentations by OSU Digital Ag team members.



Andrew Klopfenstein (left) walking through high speed planting research results and reported in eFields at the annual meeting. His talk included a discussion on the operational challenges and yield implications of increasing corn planting speeds.

Dr. Elizabeth Hawkins (right) shares how Ohio State Precision Ag is using on-farm research data to inform farmers about the uses of variable rate seeding.



Team member Andrew Klopfenstein (left) presenting about pinch-row compaction work. His presentation included the research behind yield impacts of large central fill planters and tractors on pinch rows.

Dr. John Fulton (right) presents on the use of image processing for the measurement of fertilizer particles and spread distribution evaluation.



Click the button below for a complete list of presentations from the meeting.

4-H Camp Ohio

Last week, OSU Digital Ag members brought agriculture technologies to Camp Ohio and conducted demonstrations and hands-on learning for the camp-goers ages 9 through 13.



(Left image) Ellie Logan, Jarrod Bowman, and Angelina Sorice lead a hands-on learning session to show campers how the team utilizes technology in their everyday research tasks.

Here, Ellie demonstrates how the team uses the POGO app by Precision Planting to record and document crop stand counts and staging.

The campers were also taught what is and how to use GreenSeeker Handheld Crop Sensor made by Trimble.

(Right image) Ryan Tietje and Nate Parsons demonstrated tractor runs with implemented AutoSteer.



(Left image) Dave Lendel demonstrating how drones are used in agriculture. Drones featured were equipped with sensor cameras, virtual reality, and other technologically advanced components.

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