January 23, 2019

The Digital Ag Download

An eNewsletter with research updates, digital ag news, and tech insights for your farm.

Special Report: In-Season Decisions

In an effort to bring you the latest news and research related to in-season decision making, The Ohio State Digital Ag Team is releasing a special report. Check out some of our research projects and recent event recaps below to see what we've learned! Be sure to share this newsletter with anyone who may be interested; we hope you enjoy! – The Ohio State Digital Ag Team

Visit our Website

Precision University

Precision University 2019 was a success! Experts shared about the latest equipment and technologies available to help make better decisions during the growing season. This year's event hosted 83 attendees and 26 vendors/sponsors!

Speakers:
Dr. Ignacio Ciampitti
Dr. Greg Kruger
Dr. Elizabeth Hawkins
Dr. Joe Luck
Dr. Matt Darr

Equipment & Tech Session:
Michael Lairson, Raven Technologies
Justin Moffit and Nathan Jenkins, John Deere
Tim Grigsby, CapstanAG

Scouting Session:
Andrew Bond, Encirca
Bob Coverdill, Airscout
Jim Love, Beck's Hybrids

Featured Precision U Speakers

Were you unable to attend this year's Precision University? No worries! We have highlighted some of our speakers below and shared their presentations!

Dr. Ignatio Ciampitti
Kansas State University

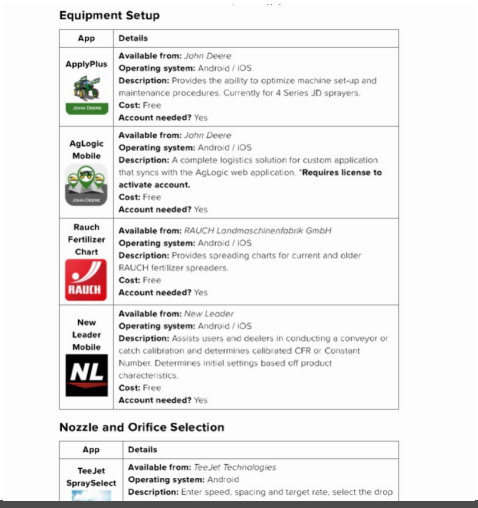
Dr. Ciampitti's presentation focused on Satellite Data and Agronomic Decisions. He discussed the value of satellite imagery and its application in agriculture. To view Dr. Ciampitti's full presentation, click here.

Dr. Greg Kruger
University of Nebraska

Dr. Kruger's presentation was titled, "Making Applications More Difficult to Make Applications More Efficient." In his presentation he covered pesticide application and the sophistication of technology. To learn more about this topic, visit Dr. Kruger's presentation here.

In addition to these two featured speakers, many more were on hand to share some wisdom! Click the button below to view all available presentations.

View Precision U Presentations



Equipment Setup

App	Details
ApplyPlus	**Available from:** John Deere **Operating system:** Android / iOS **Description:** Provides the ability to optimize machine set-up and maintenance procedures. Currently for 4 Series JD sprayers. **Cost:** Free **Account needed?** Yes
AgLogic Mobile	**Available from:** John Deere **Operating system:** Android / iOS **Description:** A complete logistics solution for custom application that syncs with the AgLogic web application. ***Requires license to activate account.** **Cost:** Free **Account needed?** Yes
Rauch Fertilizer Chart	**Available from:** RAUCH Landmaschinenfabrik GmbH **Operating system:** Android / iOS **Description:** Provides spreading charts for current and older RAUCH fertilizer spreaders. **Cost:** Free **Account needed?** Yes
New Leader Mobile	**Available from:** New Leader **Operating system:** Android / iOS **Description:** Assists users and dealers in conducting a conveyor or catch calibration and determines calibrated CFR or Constant Number. Determines initial settings based off product characteristics. **Cost:** Free **Account needed?** Yes

Nozzle and Orifice Selection

App	Details
TeeJet SpraySelect	**Available from:** TeeJet Technologies **Operating system:** Android **Description:** Enter speed, spacing and target rate, select the drop

Crop Nutrition and Crop Protection Apps Survey

Have you utilized the Crop Nutrition Apps or Crop Protection Apps fact sheets? If so, we want your feedback! Take a few minutes to complete the survey below. This survey will help us to share the most up-to-date list of useful crop apps!

Crop Apps Survey

2018 eFields Report

eFields Download

The full digital version of the 2018 eFields report is now available, click below to access the report!

2018 eFields Report

eFields
connecting science to fields

2018 eFields Highlighted Studies:

Irrigation Management

Soil moisture sensors provide key information along with weather forecasts for scheduling irrigation.

This study focused on understanding the value of localized weather forecast versus what the field actually received and understand how soil information can be used for irrigation scheduling.

View Study

Nitrogen Management

When applying N to corn in Ohio, there are several options for application timing and methods. Remember to follow three simple steps: **Plan, Adapt,** and **Apply.**

This study focused on understanding the factors, complexities, and realities related to successful and efficient in-season nitrogen management in Ohio.

View Study

Remote Sensing

Using high spatial resolution multi-spectral imagery can be a useful tool.

This study focused on understanding the potential of remotely-sensed bare soil and topographic imagery, and the machine learning algorithms for estimating crop yield.

View Study

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