



## In-Season Scouting and Management Edition

As planting starts and progresses across the state, the time for scouting and management decisions will be here soon. In this edition of the Digital Ag Download, you can find information on the upcoming in season activities including applying fertilizer, spraying, and planting. Keep reading to find checklists, webinars, and eFields studies to get ready for the coming months. For more planting resources, visit the [Digital Ag Precision Crop Management](#) page. 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

## Featured Publications

### Stand Evaluation Checklist

Scouting a field once the crop emerges is important to evaluate planter performance and crop establishment. Scouting provides valuable field-by-field insights on how planter performance affected yield potential at the end of the year and identifies needed changes for next year. Here are 3 measurements to evaluate planter performance and quality of emergence:



- Stand Counts** – emerged number of plants meet expected population and pay attention to missing emerged plants
- Stand Uniformity** – look for differences in plant height and vegetative stages within rows and in adjacent areas; also note difference in plant spacing in corn.
- Seed Depth** – was depth consistent?
- Plant Roots** - Dig up a few root balls. Clean soil from roots and compare differences in root hairs, size of root mass, and root health.



**Technology for Monitoring Nutrient Applications**

This presentation from Dr. John Fulton covers the technology that is available for monitoring nutrient applications and research from Ohio State. Find more about on-the-go sensors, drone spraying, and other application equipment and sensors.

[Technology for Monitoring Nutrient Applications](#)



**Nitrogen Placement Considerations for Corn**

Check out this presentation to understand the effect of fertilizer placement on corn yield and grain moisture at harvest, for a late-season nitrogen management approach.

[Nitrogen Placement Considerations for Corn](#)

## Featured Studies

eFields

connecting science to fields

2022 eFields Report

eFields Knowledge Exchange





### Agronomy and Farm Management Podcast Episode 113 - 2022 eFields Report

The 2022 eFields On-Farm Research Report was released earlier this year. In this episode we share advice on how to conduct research on your farm and dive into some of the research results from the 2022 growing season. [John Barker](#), Knox County, and [James Morris](#), Highland County, join us to share results.

**Agronomy and Farm Management Podcast**

#### Fungicide Application Method

The objective of this study was to assess fungicide application method or corn hybrid has an effect on yield. This study found that the fungicide application did not have an effect on corn yield with either hybrid or fungicide application method. To learn more, read pages 44 to 45 of the 2022 eFields Report.



**2022 eFields Report**

#### Foliar Sulfur

The objective of this study was to evaluate the effect of foliar feeding sulfur on soybeans at R3. This study found a significant difference between the foliar sulfur treatment and the no sulfur control, with only a 2 bu/ac yield difference. To learn more, read pages 140 to 141 of the 2022 eFields Report.



**2022 eFields Report**

## OSU Extension Seeks a Next Assistant Director for Agriculture and Natural Resources

Ohio State University Extension is seeking applicants for our next Assistant Director, Agriculture and Natural Resources. The Assistant Director is responsible for the leadership of Ohio State University Extension's Agriculture and Natural Resources program area. This includes overall direction of educational programming within and across Ohio's 88 counties. The summary of duties is listed below and a complete listing of the position description can be found at [https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Columbus-Campus/Assistant-Director--Extension-Agriculture-and-Natural-Resources--Associate-or-Full-Professor\\_R74003](https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Columbus-Campus/Assistant-Director--Extension-Agriculture-and-Natural-Resources--Associate-or-Full-Professor_R74003).

The Assistant Director reports to the Director of OSU Extension and serves as a member of OSU Extension's Administrative Cabinet. Specifically, the Assistant Director provides leadership and direction for Agriculture and Natural Resources programming with emphasis on program and curriculum development; applied research; identifying potential collaboration and partnerships with universities, colleges, departments, peer agencies and industry partners; securing funding to support related activities; administrative leadership for the state Extension Agriculture and Natural Resources office; and professional development of faculty and staff.

Education Required: an earned Master's Degree required, Ph.D. preferred, in an agriculture or natural resources related field.  
Faculty Position (1.0 FTE)  
Posting number: R74003  
Location: Statewide and Columbus based  
Deadline Date: April 30, 2023

Questions about the position can be directed to:  
Elizabeth Hawkins, Field Specialist, Agronomic Systems  
(937)286-4849, [Hawkins.301@osu.edu](mailto:Hawkins.301@osu.edu)

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#### CONTACT US

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