



The Digital Ag Download

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

Special Report: Nitrogen Application

In an effort to bring you the latest news and research related to Nitrogen Application, 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

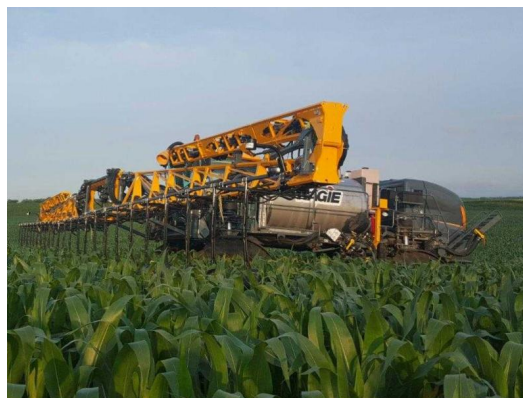
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OSU Researchers Look at Making N Count

Gail Keck, freelance writer for the Ohio Farmer, reports on the studies being conducted by OSU researchers on nitrogen application. This article includes commentary by Elizabeth Hawkins, field specialist with Ohio State University Extension.

Read more on the Ohio Farmer:

[Ohio Farmer](#)



Purdue Extension: The Effects of Late-season Nitrogen Applications in Corn

Late-season nitrogen (N) application offers corn growers more options in their N fertilizer program. This report shares the potential benefits and risks associated with late-season N application in Indiana and surrounding states.

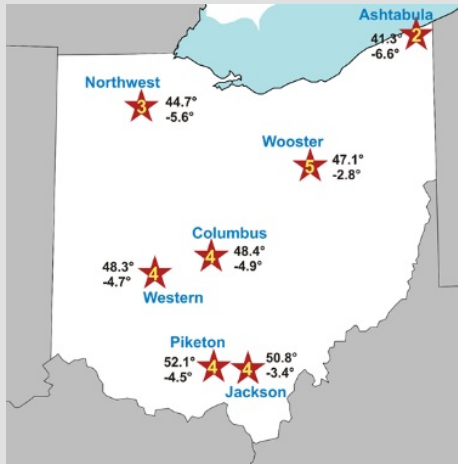
Review the report by Purdue Extension here:

[Purdue Extension Report](#)

The number of mobile applications developed and offered to support nutrient management continues to grow. Many of these Apps can provide important information at the farm level. This list of Apps represents many used by farmers or their agronomic consultants to help with nutrient management including planning, scouting, evaluating stress and executing field applications.

For more information, download the App list here:

Crop Nutrition APPs



Spring Warm-Up: How does 2018 Soil Temperature Compare?

Soil temperatures are an important variable that you should consider to when making the decision to head to the field. With all the pressure to get started planting, it is important to take the time to be sure you are setting your 2018 crop up for success.

Learn more about recent soil temperatures compared to long term averages in Ohio:

OSU Extension C.O.R.N. Newsletter

Dr. Newell Kitchen - Tools for Managing Nitrogen

Grower surveys often list N fertilizer management among the most challenging decisions of modern corn production. View this video on nitrogen decision making.

Click here to view other Conservation Tillage and Technology YouTube videos:

CTC YouTube Channel:

585 barges of urea-N



How many nitrogen applications will you make on your corn crop this year?

1

2

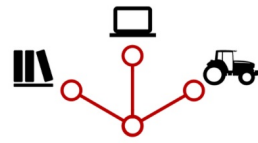
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4+

2017 eFields Report

eFields Download

The full digital version of the 2017 eFields report is now available, click below to access the report!



2017 eFields Report

eFields

connecting science to fields

2017 eFields Highlighted Nitrogen Application Studies:



[Nitrogen Source
Fulton Co.](#)

High speed, low disturbance nutrient application systems have been recently adopted which allow for a variety of nitrogen products to be injected below the soil surface at sidedress.

This study evaluated four nitrogen sidedress source systems after 80 pounds of nitrogen was applied at planting.

[View Study](#)



[Nitrogen Placement
Clark Co.](#)

This study evaluated various nitrogen placement systems that include: sidedress coulter bar, drop coulter bar, Nutra-Boss Y-drops, and center drop applicators.

Y-drop and late-season coulter treatments produced statistically significant higher yields when compared with the control and center of row treatments.

[View Study](#)



[Late-Season Nitrogen
Madison Co.](#)

Three separate applications of nitrogen were used in this study to test the efficacy of late-season nitrogen application.

It was determined to use flat rate late-season N applications based off of crop scouting, aerial imagery, and field history.

[View Study](#)

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