



# CROP PHYSIOLOGY FIELD DAY

## More Yield? Yes Please!

### AUGUST 4<sup>th</sup>, 2022

Crop Sciences Research and Education Center  
4202 South First St., Champaign, IL 61822

*Space is limited, register below to guarantee a seat and lunch*

<https://agronomyday.cropsciences.illinois.edu/events>

**8:00 am – On-site Registration and Coffee**

**8:20 – Welcome**

**8:30 – What Exactly is Yield? – Dr. Fred Below**

**8:50 – No Lime with Phosphorus Fertilizer – Just an Old Myth? – Marcos Loman**

**9:10 – Maximizing “Yield per Gallon” of Starter Fertilizer – Logan Woodward**

**9:30 – Playing in the Fertilizer “Band” – Dr. Scott Foxhoven**

**9:50 – 10:10 – Coffee Break**

**10:10 – If the Military Managed Nitrogen... – Stephen Schwartz**

**10:30 – Is Xyway the New Fungicide Flyway? – Sam Leskanich**

**10:50 – Forget Crypto, Invest in Carbon – Darby Danzl**

**11:10 – Soybean Success, No Longer a Secret – Dr. Connor Sible**

**11:30 – Panel Discussion (All Speakers)**

**12:00 – Lunch break (complimentary lunch to registered guests)**

**12:30-1:30 – Field Demonstrations and Discussion**

**CCA Credits will be offered**



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## More Yield? Yes Please!

Who needs a bigger serving of yield? Everyone! Because the whole world benefits from the food security and land use benefits of producing more yield on less land. Current and recent graduate students of the Crop Physiology Laboratory highlight some of our ongoing agronomic management practices research to help you economically and sustainably increase the corn and soybean yields on your farm.



### **Dr. Fred Below** [fbelow@illinois.edu](mailto:fbelow@illinois.edu) – What Exactly is Yield?

Yield is made up of components, and you must increase at least one of them for higher yield. The challenge, however, is that these components usually don't play nice together, and an increase in one typically results in a decrease in another. Learn about yield components and the agronomic opportunities that you have to manage their bad behavior and increase your yield.



### **Marcos Loman** [lomanmh@illinois.edu](mailto:lomanmh@illinois.edu) – No Lime with Phosphorus Fertilizer – Just an Old Myth?

You have probably heard "Phosphorus fertilizer should never be applied with lime." But, recent research results hint at the opposite. See the results and how you can enhance soil P availability with lime and maximize your crop's yield.



### **Logan Woodward** [lpwoodw2@illinois.edu](mailto:lpwoodw2@illinois.edu) – Maximizing "Yield per Gallon" of Starter Fertilizer

As more biological products are introduced to the market, it is difficult to stay "up to speed" with the best biological additives to include with your in-furrow program. Join us for insights on the types of products that will provide the greatest "Yield per Gallon" in your starter fertilizer system!



### **Dr. Scott Foxhoven** [scott.foxhoven@mosaicco.com](mailto:scott.foxhoven@mosaicco.com) – Playing in the Fertilizer "Band"

Learn how "Banded Fertility" can be music to your ears. We'll be "tuning" into when and why traditional banded fertility works or doesn't work. Also grab a seat near center stage to see some exciting results from a new type of banding ... applied in-season.



### **Stephen Schwartz** [schwartzstephen@johndeere.com](mailto:schwartzstephen@johndeere.com) – If the Military Managed Nitrogen...

For decades, the US Military has focused on force multipliers, technologies that enhance an individual's abilities to equal that of many. They would love control-released nitrogen, better placement, and better timing. Learn how to deploy these management practices for greater nitrogen uptake and corn yield across various growing environments.



### **Sam Leskanich** [sjl15@illinois.edu](mailto:sjl15@illinois.edu) – Is Xyway the New Fungicide Flyway?

Flying on fungicide is challenging, expensive, and can't be done in all fields. Xyway™ LFR® is a new systemic fungicide applied at planting that can provide season-long activity and better leaf health. However, everyone knows there is no "one size fits all" when it comes to crop management. Come and find out where Xyway works best and if it can fit into your operation.



### **Darby Danzl** [darbyd2@illinois.edu](mailto:darbyd2@illinois.edu) – Forget Crypto, Invest in Carbon

Is carbon the next cash crop? Different farm management practices affect how much carbon is sequestered in your soils. These practices and the captured carbon can provide short- and long-term benefits to your fields. Learn how to invest in your soil, your farm, and your future with innovative carbon-capturing management practices for row crop production systems.



### **Dr. Connor Sible** [sible2@illinois.edu](mailto:sible2@illinois.edu) – Soybean Success, No Longer a Secret

It's no secret, you can increase soybean yield with agronomic management. Celebrating the 10-year anniversary of the Crop Physiology Laboratory's Six Secrets of Soybean Success, this talk will summarize a decade of research on the management practices that have the greatest impact on soybean yield as well as new innovations that bring yield and ROI to soybean.