



SCIENCE FOR  
SUCCESS

# annual report 24



# Introduction

## Sow, Reap, Repeat

Our team has always been scrappy. We do a lot with a little, taking from our over-drawn wells of resources and time and pouring out results with national significance.

We've spent the last several years working on bringing Science for Success to the next level. We've leveraged grant funding, expanded our reach, and launched new initiatives.

And this year, it paid off. For the first time, we hired two full-time staff members: a program manager and a communications specialist, as well as two undergraduate interns.

With more capacity, we developed a strategic plan that

set a vision and established our mission: to collaboratively deliver soybean best management practices through coordinated applied research and outreach strategies.

Over the next year, we made the vision a reality. We conducted research trials across 22 states, hosted a national webinar series, and released educational content like fact sheets and videos.

And although we're proud of what we did this year, we know there's more to do.

It's a fact we know too well: The work doesn't stop after harvest. **It just begins again.**

# Research Highlights

Collaboration is the driving force behind our work. With a network of Extension Specialists covering over 90% of U.S. soybean acres, our team is uniquely positioned to conduct large-scale trials across a variety of growing environments. This ensures our research is both relevant and transformative, delivering solutions faster than ever before.



## American Society of Agronomy: 2024 Paper of the Year

“Soybean yield response to sulfur and nitrogen additions across diverse U.S. environments” [doi.org/10.1002/agj2.21216](https://doi.org/10.1002/agj2.21216)

## Continued Trials

### Biological Seed Treatments:

Evaluating the effect of biological seed treatments on soybean yield and seed quality

### Soil Health Parameters:

Utilizing soil samples to quantify various soil health metrics in diverse environments

### Desiccation Timing:

Evaluating the effect of desiccant application timing on soybean yield and quality across environments, planting dates, and maturity groups.

## New Trials

### Harvest Timing:

Evaluating the effect of harvest timing on soybean yield and quality across environments

### Nitrogen Credits from Soybean:

Quantifying the nitrogen credits from soybean for a subsequent corn crop

### Cover Crops:

Conducting a review of existing literature to determine the effectiveness of cover crops, and developing of a crop simulation tool to address complex interactions in cropping systems

# Outreach Highlights



## At-a-Glance



Filmed a "Virtual Field Day" to showcase desiccation and harvest timing trials. Released 4 additional educational videos



Developed 5 new fact sheets on early planting, cover cropping, N fixation, data interpretation, & green stem syndrome



Started our own YouTube channel and engaged with audience members on social media

## Savvy Full Season Management Webinar

This year, we hosted a three part national webinar series on soybean management throughout the growing season. There were over 400 registrants and the recordings have received 450+ views since being posted to YouTube. Topics included:

**Pre-Season** Maturity Group, Planting Date & Biological Seed Treatment Choices

**In-Season** Fertilizer and Fungicide Applications in Soybean

**Late-Season** Desiccation Decisions

“Warmed my heart to see and hear how much the four of you seemed to enjoy each other’s company!”

-WEBINAR PARTICIPANT

# By the Numbers



**75** Research Sites in

**22** States

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**54,000**

Total Views on YouTube Videos



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**400** Webinar Registrations with **\$4M** Reported Economic Value



**5** New Fact Sheets

&

**4** Educational Videos



**26** Grad Students on Annual Tour

## Annual Team Meeting

📍 CHARLESTON, SOUTH CAROLINA

Although our team meets virtually once a month, we know the value of carving out time to be together in person.

At our annual meeting in Charleston, Dr. Ben West led a workshop on presenting science to the public. We came away from the meeting with content for 15 new educational videos, accompanying fact sheets, and tangible skills for communicating science in extension.

Besides the Charleston meeting, we also met together at Commodity Classic in March, and hosted our annual graduate student tour for students in agronomy.



## Graduate Student Tour

📍 PENNSYLVANIA, MARYLAND, DELAWARE





*Science for Success is sponsored  
by the United Soybean Board  
through the checkoff program.*

# Thanks to our team.

## 2024 Members

<b>Ana Carcedo</b>	North Dakota State University
<b>Andre Froes de Borja Reis</b>	University of Missouri
<b>Bethany Lee</b>	North Carolina State University
<b>Carrie Knott</b>	University of Kentucky
<b>Carrie Ortel</b>	Virginia Tech University
<b>Chad Lee</b>	University of Kentucky
<b>Daniela Carrijo</b>	Pennsylvania State University
<b>David Holshouser</b>	Virginia Tech University
<b>David Moseley</b>	Louisiana State University
<b>Emma Grace Matcham</b>	University of Florida
<b>Eros Francisco</b>	Auburn University
<b>Giovani Preza Fontes</b>	University of Illinois
<b>Haleigh Ortmeier-Clarke</b>	North Carolina State University
<b>Hans Kandel</b>	North Dakota State University
<b>Ignacio Ciampitti</b>	Kansas State University
<b>Jake McNeal</b>	University of Tennessee
<b>Jenny Carleo</b>	North Carolina State University
<b>Jeremy Ross</b>	University of Arkansas
<b>Laura Lindsey</b>	The Ohio State University
<b>Maninder "Manni" Singh</b>	Michigan State University
<b>Mark Licht</b>	Iowa State University
<b>Michael Plumblee</b>	Clemson University
<b>Mike Mulvaney</b>	Mississippi State University
<b>Nicolas Cafaro La Menza</b>	University of Nebraska
<b>Nicole Fiorellino</b>	University of Maryland
<b>Rachel Vann</b>	North Carolina State University
<b>Seth Naeve</b>	University of Minnesota
<b>Shaun Casteel</b>	Purdue University
<b>Shawn P. Conley</b>	University of Wisconsin–Madison
<b>Trent Irby</b>	Mississippi State University