

We are recruiting growers for on-farm research in 2026 (2<sup>nd</sup> of 3-yr multi-state project)!

## BOOTS ON THE GROUND ver. 2

### AI-DRIVEN TOOLS FOR MAXIMIZING SOYBEAN YIELD AND PROFITABILITY

## **AGRONOMIC MANAGEMENT COMPARISON PROTOCOL**

**Can you help us test our data-based Agroptimizer recommendations in your field?**

### **What's our goal?**

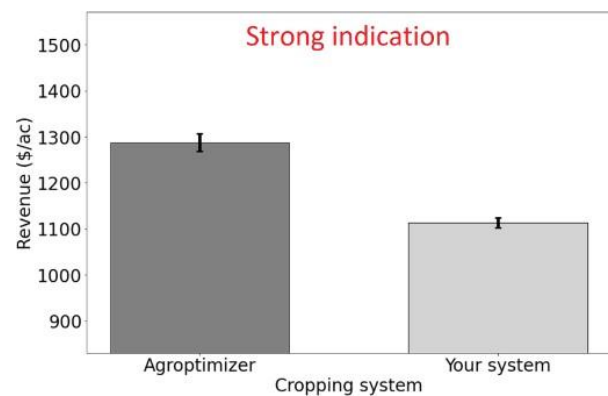
Participating farmers will be able to evaluate their present agronomic system (i.e. planting date, seeding rate, row spacing, use of foliar pesticides, and nitrogen rate) against Agroptimizer recommendations for their specific field location, soil type, tillage practice, seed, nitrogen, and pesticide costs and projected soybean selling price.

Here's an example of what the decision tool recommendations will look like:

Cropping system for maximum profit

| Management                     | Your practice | Agroptimizer |
|--------------------------------|---------------|--------------|
| Planting date=                 | May 10        | April 20     |
| Seeding rate (x1000 seeds/ac)= | 140           | 160          |
| Row spacing (inches)=          | 30            | 15           |
| Foliar Application=            | no            | no           |
| Nitrogen rate (actual lb/ac)=  | 0             | 0            |

Yield difference (Agroptimizer vs. your system)= 10.4 (bu/ac)  
Profit difference (Agroptimizer vs. your system)= 174.4 (\$/ac)



### **Do You Want to Participate? YES? Then:**

- Share a soybean field on your farm with us to compare your regular management plan with Agroptimizer recommendations using in-season field conditions.
- Contact us and we'll talk over the logistics of field trial, involving 2 treatments (Agroptimizer vs your current system) and replicated 4 times, see example layout below.
- As an add-on, we can also scout one of your bulk soybean fields, and provide you with feedback on seasonal biotic/abiotic stressors and usability of precision scouting tools.

For more information and to sign up, please contact your state rep:

**Michigan:** Manni Singh ([msingh@msu.edu](mailto:msingh@msu.edu); 517-353-0226)

**Project Team:** WI (Shawn Conley, team lead), OH (Laura Lindsey), PA (Paul Esker), IA (Joe McClure), NE (Nicolas La Menza), ND (Lindsay Malone), MO (Blake Barlow), IN (Christian Krupke), IL (Nicholas Seitler)



Check out Agroptimizer at [Agroptimizer.com](http://Agroptimizer.com) It's FREE to use, only billing address is required!

### **What's in it for you?**

- We will provide a \$500 honorarium for the first five participants.
- By providing a field to test our system, you can help us validate the outputs and receive insights for best management practices in your fields that can help increase yield and profit.

### **Worried about your personal data?**

Your data is protected and encrypted behind a university firewall. Access is limited to our team, similar to our efforts in previous projects. You can trust that our team's experience over the past 8 years provides evidence of our commitment to data security and integrity!

