



HOW CAN I OFFSET SOME OF THE POTENTIAL CHALLENGES WHEN PLANTING SOYBEANS INTO HEAVY CORN RESIDUE?

INFORMATIONAL SHEET

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INTEGRATED MANAGEMENT STRATEGIES FOR MAXIMIZING SOYBEAN PRODUCTION IN CONSERVATION TILLAGE SYSTEMS

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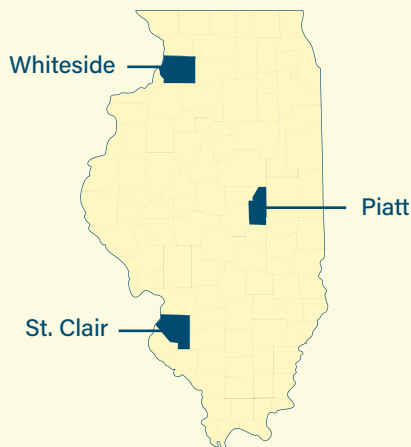
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PROJECT SUMMARY

To help more farmers feel confident implementing conservation tillage systems, this project is investigating the interactions across soil types, starter fertilizer, tillage systems and row spacings and how they affect soybean growth, nutrient uptake, and seed yield and quality. The results will help farmers identify management practices that enable them to plant soybeans into heavy residue while preserving the crop's yield potential.

TRIAL LOCATIONS



WHY THIS RESEARCH IS IMPORTANT

- Some farmers are hesitant to try conservation tillage because they're concerned it will reduce yield. Often no-till soils can take longer to warm up and dry out, which can delay planting or cause soybean seed to sit in an unfavorable soil environment. Crop residue can also tie up nutrients that the soybean crop needs for stand establishment and growth. However, conservation tillage is beneficial to soil health and water quality.

HOW THIS RESEARCH BENEFITS THE FARMER

- Farmers will have more quantitative data about how conservation tillage impacts soybean growth, yield and seed quality.
- They will also gain a better understanding of other management practices they could deploy, such as starter fertilizer, to offset any potential yield drag caused by conservation tillage.
- By implementing conservation tillage across more of their acres, farmers will experience improvements to soil and water quality, while playing a leading role in sustainability efforts.



CHECK OUT FIELD ADVISOR!

See updates and learn more about this project, the research team and other projects at FieldAdvisor.org.

Contact the ISA agronomy team: agronomy-team@ilsoy.org.



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The Illinois Soybean Association (ISA) checkoff and membership programs represent more than 43,000 soybean farmers in Illinois. The checkoff funds market development, soybean production and government relations efforts, while the membership program, Illinois Soybean Growers (ISG) and the Illinois Soybean Growers PAC actively advocates for positive and impactful legislation for farmers at local, state and national levels. ISA upholds the interests of Illinois soybean farmers through promotion, advocacy, research and education with the vision of becoming a trusted partner of Illinois soybean farmers to ensure their profitability now and for future generations.

