HOW CAN I BECOME MORE CONFIDENT IN IDENTIFYING CONSERVATION PRACTICES THAT WILL POSITIVELY IMPACT CROP PRODUCTIVITY AND RELATED ENVIRONMENTAL FACTORS ON MY FARM?

QUANTIFYING CONSERVATION BENEFITS FOR IL SOYBEAN FARMERS: EXTRAPOLATING ON-FARM TRIAL MEASUREMENTS TO COMMERCIAL FARM FIELDS THROUGH VALIDATED ALGORITHMS AND METHODS

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PROJECT SUMMARY

This project aims to quantify the benefits of adopting conservation management practices at the field level. This includes how various conservation practices impact crop productivity, greenhouse gas (GHG) emissions, soil carbon sequestration and nitrogen (N) leaching/water quality across the various soybean regions in Illinois. Project output will include reports farmers can use to inform their management decisions and help prepare them to take advantage of government conservation programs and/or industry ecosystem markets, like carbon credit programs.

TRIAL LOCATIONS: STATEWIDE
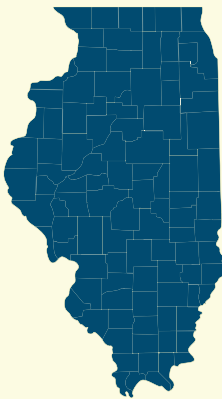
WHY THIS RESEARCH IS IMPORTANT

Through this research, the goal is to translate on-farm trial measurement results into quantifiable guidance that farmers can use as they make management decisions for their commercial fields.

HOW THIS RESEARCH BENEFITS THE FARMER

By generating quantitative estimations of how conservation management practices impact crop productivity, GHG emissions, soil carbon sequestration, and nitrogen leaching, farmers will be equipped with field-level scientific data they can use in their decision-making process.

The resulting data will also help farmers determine how they can engage in the government conservation programs and/or ecosystem marketplaces, such as carbon credit programs.
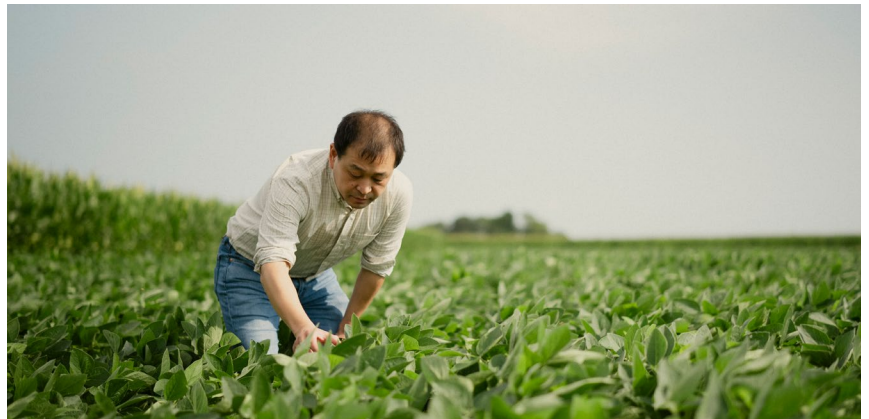
CHECK OUT FIELD ADVISOR!

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**.

ILLINOIS SOYBEAN ASSOCIATION