



CAN FOLLOWING THE MRTN APPROACH REDUCE TILE NITRATE LOSS IN CONVENTIONAL AND COVER CROPPING SYSTEMS?

INFORMATIONAL SHEET

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VALIDATING MRTN RECOMMENDATIONS TO REDUCE TILE NITRATE LOSS IN CONVENTIONAL AND COVER CROPPING SYSTEMS

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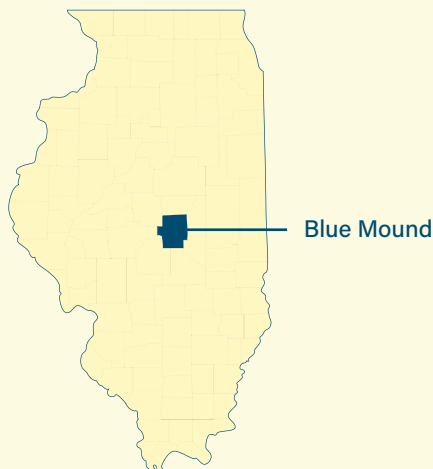
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PROJECT SUMMARY

Based on year 1 insights, this year 2 project will focus on validating the maximum return to nitrogen (MRTN) approach as a viable method to determine nitrogen (N) rates for corn in a corn/soybean rotation both with and without cover crops. This is particularly important in the tiled fields of central Illinois where it is critical to reduce nitrate loss.

TRIAL LOCATIONS



WHY THIS RESEARCH IS IMPORTANT

- Reducing nitrate loss is critical to water quality, particularly for areas that flow into the Mississippi River and where use of tile is common.

HOW THIS RESEARCH BENEFITS THE FARMER

- Understanding which and how cover crops contribute to soil health and improved crop yield in a corn/soybean rotation can help farmers reduce their N applications while maintaining crop yield goals.



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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