



HOW DOES INFECTION TIMING AND SOYBEAN CYST NEMATODE IMPACT INFESTATION OF RED CROWN ROT IN SOYBEAN FIELDS, AND WHAT OPTIONS DO I HAVE FOR CONTROL?

INFORMATIONAL SHEET

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EXPLORING DISEASE INTERACTIONS AND EVALUATING MANAGEMENT STRATEGIES FOR RED CROWN ROT AND SOYBEAN CYST NEMATODE IN IL SOYBEAN FIELDS

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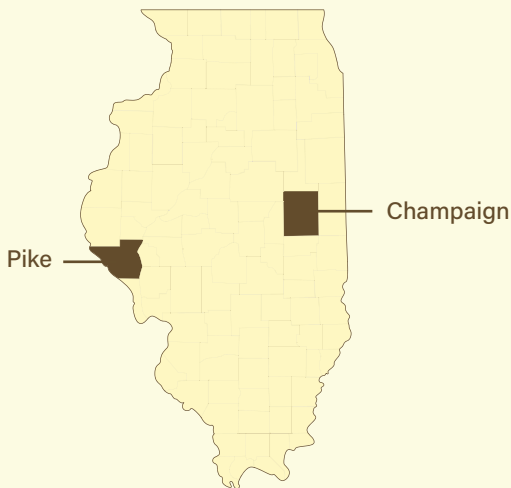
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PROJECT SUMMARY

There has been some correlation between soybean cyst nematode (SCN) and red crown rot (RCR), as well as infection timing and disease severity. This project will evaluate the timing of infections, interactions with SCN and efficacy of commercial products to provide farmers with best management practices.

TRIAL LOCATIONS



WHY THIS RESEARCH IS IMPORTANT

- RCR has been growing as a threat to the Illinois soybean crop in recent years. It infects roots at any growth stage, with the first week after seedling emergence being the most vulnerable. However, it is unclear at which growth stage(s) RCR causes the most damage.
- There is also a correlation between SCN and RCR, but managing SCN to reduce RCR has not been validated in Illinois. Use of fertilizers, such as sulfur, is also suspected to help reduce RCR, but it too has not been proven in Illinois.

HOW THIS RESEARCH BENEFITS THE FARMER

- As more is learned about the correlations between infection timing and disease severity of RCR, as well as interactions between SCN and RCR, researchers will be able to provide farmers with more effective management recommendations, including what products to use, which cultural practices to deploy, and at which growth stages.



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.

