Asian Soybean Rust

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What will happen if Asian soybean rust doesn’t happen?
Soybean Rust

✓ Where is it?
Overview

What will happen if Asian soybean rust doesn’t happen?
Overview

Leadership of soybean producers will remain . . .
As long as there is sound research to conduct.
Checkoff-funded

- First rust symposium – 1994
- Much rust research co-funded by checkoff and USDA since 2001
- More than $7.5 M
Soybean Rust

✓ Soybean research

Checkoff-funded

- Sentinel plots
Soybean Rust

✓ Soybean research

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A unique partnership with the University of Florida
Our sentinel plot system is NOT SUSTAINABLE.
Overview

- Additional resources must be approved
- CSREES
- Other institutions
Drivers of Success

Soybean Rust

✓ The famous mailbox
Drivers of Success

Soybean Rust

- Tristen Mueller
- Overwintering
Soybean Rust

✓ John Rupe

Drivers of Success
Soybean Rust

 ✓ Less reliance on sentinel plots

The Future
Soybean Rust

☑ More reliance on predictive models

The Future

Tropical Storm Cindy and Hurricane Dennis

Simulated Distribution of Viable SBR Spores in Atmosphere

Daily Precipitation

Simulated Daily Wet Deposition of SBR Spores on Land

This animation was constructed by Annalisa Ariatti, Scott Isard and Joe Russo.
Soybean Rust

- Rust in major soybean growing areas is eminent
- Sentinel system is not sustainable
- Additional resources should be put into prediction systems