

**NORTHEAST-PURDUE AGRICULTURAL CENTER
RESEARCH AND DEMONSTRATION PROJECTS
2007**

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Soybean Plant Health Study

Test foliar fungicides on soybeans for plant health.
Greg Shaner and George Buechley, Botany & Plant Pathology

Corn Fungicide Study

Test foliar fungicides on corn for plant health.
Greg Shaner and George Buechley, Botany & Plant Pathology

Soybean Rust Sentinel Plots

Survey potential soybean rust movement in northeast Indiana.
Greg Shaner & George Buechley, Botany & Plant Pathology

National Canola Variety Trials

An evaluation of currently available winter canola varieties and advanced breeding materials under Indiana soil and climatic conditions.
Shawn Conley & Nicole Fink, Agronomy

Soybean Planting Date and Row Spacing Study

Evaluate effect of varying planting dates and row spacing in soybeans.
Shawn Conley & Nicole Fink, Agronomy

Corn Hybrid Trap Crop

A trap crop for corn rootworm eggs in 2007 to provide experimental area in 2008.
Larry Bledsoe and Christian Krupke, Entomology

Population Dynamics of Soybean Aphid in Indiana

Monitor flying aphids weekly using suction traps and to survey insect populations in soybean weekly via whole plant counts.
Bob O'Neil, Entomology

Indigenous Soil K Supply, Fertilizer K Use-efficiency, and K Budgets in Indiana Corn and Soybean Production

Evaluate the agronomic efficiency of currently recommended Potassium (K) fertilizer rates and evaluate theoretically improved soil K tests for the ability to predict soil K supply.
Sylvie Brouder, Agronomy

Soybean Response to Previous Corn Nitrogen Fertilizer Rates

Better define nitrogen fertilizer response of corn for making fertility recommendations.
Bob Nielsen, Jim Camberato, and Dan Emmert, Agronomy

Nitrogen Fertilizer Response of Corn

Better define nitrogen fertilizer response of corn for making fertility recommendations in continuous corn and rotational corn/soybean systems.

Bob Nielsen, Jim Camberato, and Dan Emmert, Agronomy

Corn Hybrid Performance Trial

State corn hybrid yield trial.

Phil DeVillez, Paul Lorton, and Bill Foster, Agronomy

Soybean Varietal Performance Trial

State soybean varietal yield trial.

Phil DeVillez, Paul Lorton, and Bill Foster, Agronomy

Native Warm Season Grass Establishment Study

Evaluate establishment practices for native warm season grasses.

Brian Miller and Zach Lowe, Forestry & Natural Resources

Monsanto- Pioneer-DuPont-Bayer Demonstration Plots

University-industry demonstration plots for training and field day events.