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Department of Agronomy

Corn Hybrid Performance Trials
Purpose: State corn hybrid yield trial.
   Contacts: Phil DeVillez and Bill Foster; Agronomy

Non-GMO Corn Hybrid Performance Trial
Purpose: To evaluate non-GMO corn hybrids.
   Contacts: Phil DeVillez, Bill Foster; Agronomy

Purdue Crop Performance Trial
Purpose: Early group soybean trials.
   Contacts: Phil DeVillez & Bill Foster

Purdue Crop Performance Trial
Purpose: Mid group soybean trials.
   Contacts: Phil DeVillez & Bill Foster

Purdue Crop Performance Trial
Purpose: Late group soybean trials.
   Contacts: Phil DeVillez & Bill Foster

Purdue Crop Performance Trials
Purpose: Non-GMO corn trial with watermelon hybrids.
   Contacts: Phil DeVillez & Bill Foster

Non-Glyphosate Tolerant Soybean Performance Trial
Purpose: To evaluate non-Roundup Ready soybean varieties.
   Contacts: Phil DeVillez and Bill Foster; Agronomy

Transitional Organic Crop Production Research
Purpose: To transition conventional production farmland into Certified Organic farmland suitable for research with the use of cover crops and minimal tillage practices
   Contacts: Michael O’Donnell; Extension
**Corn Yield Response to Seeding Rates**
Purpose: Field-scale trial to compare yield response to seeding rates.
   Contact: Bob Nielsen and Jim Camberato; Agronomy

**Corn Response to In-furrow & Sidedress Applications of Sulfur Fertilization**
Evaluate corn response to sulfur fertilization.
   Contacts: Bob Nielsen and Jim Camberato, Agronomy

**Soybean Response to Variable Sulfur Applications in Previous Corn Crop**
Evaluate soybean response to sulfur fertilization the year before in corn.
   Contacts: Bob Nielsen and Jim Camberato, Agronomy

**Comparison of 2x2 Starter Fertilizers on the Growth, Development, and Yield of Continuous Corn**
Purpose: Better define fertilizer response of corn for making fertility recommendations in monoculture corn systems.
   Contacts: Bob Nielsen and Jim Camberato; Agronomy

**Indigenous Soil Potassium (K) Supply, Fertilizer K Use-efficiency, and K Budgets in Indiana Corn Production**
Purpose: 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.
   Contacts: Sylvie Brouder and Nicole DeArmond; Agronomy

**Indigenous Soil Potassium (K) Supply, Fertilizer K Use-efficiency, and K Budgets in Indiana Soybean Production**
Purpose: 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.
   Contacts: Sylvie Brouder and Nicole DeArmond; Agronomy

**Long-term Impact of Cover Crops on Cash Crop Nutrient Uptake, Yield and N Application Rate and Products**
Purpose: To elucidate barriers in cover crop inclusion, deepen our understanding of cover crop to affect the availability of manure and inorganic N to cash crops in multiple cropping systems.
   Contact: Shalamar Armstrong and Corey Lacey; Agronomy

**Corn Response to Cereal Rye Cover Crop and Stater Fertilizer Interactions**
Purpose: To evaluate corn response to cover crop and starter fertilizer treatments
   Contact: Shalamar Armstrong and Houston Miller; Agronomy

**Corn Response to Fungicide Applications**
Purpose: To evaluate corn response to fungicide applications at different growth stages
   Contact: Darcy Telenko; Agronomy

**Soybean Response to Fungicide Applications**
Purpose: To evaluate soybean response to fungicide applications at different growth stages
   Contact: Darcy Telenko; Agronomy
Soybean Variety x Seeding Rate Trial
Purpose: To fine-tune soybean seeding rate recommendations for Indiana growers.
Contact: Shaun Casteel; Agronomy

Long-term Impact of Winter Peas on Corn Nutrient Uptake, Yield and N Application Rate
Purpose: To evaluate corn response to a winter pea cover crop and variable N application rates
Contact: Shalamar Armstrong; Agronomy

Purdue Automated Agricultural Weather Station (PAAWS)
Purpose: Automated collection of weather data from this site is sent to the Indiana State Climate Office at Purdue University - data can be observed at: http://climate.agry.purdue.edu
Contacts: Rich Grant & Ken Scheeringa; Agronomy

Beck’s Hybrids Corn Maturity Demonstration
Purpose: To evaluate varying corn maturity groups in a late planting situation.
Contacts: Stephen Boyer, NEPAC

Department of Entomology

Soybean Aphid Suction Trap Network
Purpose: Monitor flight of soybean aphids.
Contact: Christian Krupke; Entomology

Specialty Crops Research Initiative (SCRI) - Impact of Neonicotinoid Insecticides on honey bee pollinators of melons.
Purpose: Evaluate the effects of neonicotinoid insecticides on honey bee pollinators
Contact: Laura Ingwell, Christian Krupke, Rick Foster, Larry Bledsoe, Entomology

Insect Pest Monitoring Network
Purpose: Monitor insect pest levels of corn, soybeans and wheat.
Contact: John Obermeyer; Entomology

Halothane Research Survey
Purpose: Use DNA samples from Heliothine moths (Corn earworm) collected weekly throughout the United States to determine the phenology and distribution of a group of viruses known to infect those moths and determine how to use those viruses in IPM strategies.
Contact: Paul Baker, Bruce Webb UKY and John Obermeyer; Entomology

Cooperative Ag Pest Survey (CAPS) for Exotic Insect Pests
Purpose: Monitor exotic insect pest levels of corn, soybeans and oak.
Contact: Larry Bledsoe; Entomology