Indigenous Soil Potassium (K) Supply, Fertilizer K Use-Efficiency and K Budgets in Indiana Corn and Soybean Production
Purpose: Evaluate the agronomic efficiency of currently recommended K fertilizer rates; evaluate theoretically improved soil K tests for the ability to predict soil K supply.
   Contacts: Sylvie Brouder, Niki De Armond

Sun Grant - Nitrogen Biomass Study
Purpose: To determine the ability of annual biomass like maize and sorghum crops to produce the various inputs and evaluate perennial biomass crops such as switchgrass, native prairie and miscanthus on marginal land.
   Contacts: Sylvie Brouder, Jeff Volenec, Ryan Dierking, Niki De Armond

Soybean Seeding Rate Trial
Purpose: Soybean seeding rate recommendations have been based on attaining 100,000 to 125,000 plants per acre by harvest. However, half of the on-farm research trials done to date demonstrate no yield difference from as low as 45,000 to 225,000 plants per acre. The goal of this study is to fine-tune soybean seeding rate recommendations across the state based on region or, if appropriate soil type(s) and determine the underlying factors for the various soybean responses (positive and none) to plant populations.
   Contacts: Shawn Castell, Andrew Westfall

High Yield Management Rotation Effects in Soybean and Corn
Purpose: The baseline for best management practices include variety/hybrid selection, planting date, fertility, pest management, and many more. Crop rotation is another source of improved yields in soybean and corn. Soybean-corn rotation blocks are being established for intense studies in following years.
   Contacts: Shaun Casteel, Andrew Westfall
Evaluation of Flowering Time in Switchgrass Mapping Populations
Purpose: Assess flowering time and biomass yield of switchgrass mapping populations and identify mechanisms controlling flowering time.
   Contacts: Yiewl Jiang, Zijian Sun, Jiang Lab

Bioenergy Warm-season Grass Evaluation
Purpose: Switchgrass, Big Bluestem and Indiangrass are possible candidates for use as a renewable energy source. Germplasm from various sources will be evaluated for yield and quality attributes.
   Contacts: Keith Johnson

Long-term Nitrogen (N) Rate Trial for Corn
Purpose: Evaluation of corn yield response to N rates and sidedress application times.
   Contacts: Robert Nielsen, Jim Camberato

Department of Biology
Surveying Indiana Soybean for Soybean Vein Necrosis Virus (SVNaV) and New Management Practices
Purpose: Gain more knowledge about SVNaV epidemiology in Indiana to quantify the level of threat and evaluate new management practices for Indiana soybean growers.
   Contacts: Punya Nachappa, Christian Krupke

Department of Botany & Plant Pathology
Implementation of New IPM Strategies for Summer Disease Control in Apple
Purpose: Evaluation of injection method and product for disease and insect control in apple.
   Contacts: Janna Beckerman

Fungicide Delivery by Injection for Control of Apple Scab Disease
   Contacts: Janna Beckerman

Herbicide Efficacy for Horseweed Control
Purpose: To evaluate carrier water pH and hardness on herbicide efficacy for Horseweed (Giant Ragweed) control.
   Contacts: Dratap Devkota, Bill Johnson

Weed Management with Sorghum Sudangrass
Purpose: Assess the effect of two different seeding rates and planting dates for summer cover crop on thistle and other weed populations.
   Contacts: Kevin Gibson, Carolina Zamorano

Effect of Sorghum Sudangrass Residues on Early Weed Management, Yields of Soybean
Purpose: Assess the effect of sorghum sudangrass residues on early weed management and yields of soybean.
   Contacts: Kevin Gibson, Carolina Zamorano
Fall Cover Crops
Purpose: Assess the effect on weeds of several cover crops either incorporated into the soil or cut and left on soil surface.
   Contacts: Kevin Gibson, Carolina Zamorano

Effect of Spatial Location on Competition between Weeds and Tomato
Purpose: Assess the effect of weed density and distance from the crop on crop yields.
   Contacts: Kevin Gibson, Carolina Zamorano

Do Differences in Competitive Ability Exist among Maize Cultivars?
Purpose: Assess the relative competitive ability of commercial and experimental corn cultivars with Common Lambsquarters.
   Contacts: Kevin Gibson, Carolina Zamorano

Vegetative and Reproductive Development of Common Waterhemp
   Contacts: Joey Heneghan, Bill Johnson

Observing Emergence Timing of Common Waterhemp
Purpose: Observe Common Waterhemp in no-till, one tillage, and two tillage situations. Emerged plants will be removed weekly so that counts can be repeated every week.
   Contacts: Joey Heneghan, Bill Johnson

Fall and Spring Residual Treatments for Common Waterhemp Control
Purpose: Various residual herbicides will be evaluated on their performance in controlling Common Waterhemp in both fall and spring applied situations.
   Contacts: Joey Heneghan, Bill Johnson

The Effect of Tillage on Waterhemp Control in Soybean
Purpose: Tow tillage treatments (no-till and conventional till) will be applied with two different herbicide programs to assess differences in control.
   Contacts: Joey Heneghan, Bill Johnson

Bulking Tomato Seed for Use in Identification of Bacterial Wilt Resistance Genes
Purpose: Identification of wilt resistance genes within 25 tomato lines.
   Contacts: Anjali Iyer-Pascuzzi, Fred Beckman

Herbicide Trial XXX-XXX-XXX-01
Purpose: Corn program approaches in low resistance environments.
   Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-02
Purpose: GWN 10293 Weed Control Combinations for corn.
   Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-03
Purpose: SL-573 for weed control in glyphosate and glufosinate tolerant corn.
   Contacts: Bill Johnson, Mike White
Herbicide Trial XXX-XXX-XXX-04
Purpose: Anthem/Anthem ATZ/Pre-Post in field corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-05
Purpose: Corvus, Balance Flexx, Capreno, Laudis, Liberty products in field corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-06
Purpose: Diflexx, Corvus, Balance Flexx products in field corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-07
Purpose: Pre & Post weed control programs in corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-08
Purpose: Bicyclopyrone: Acuron Herbicide for weed control and field corn tolerance for soils with less than 3% organic matter.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-09
Purpose: Proprietary for weed control in non-glyphosate and glufosinate tolerant field corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-10
Purpose: Impact sequential and 1-pass programs.
Contacts: Bill Johnson, Mike White

Industry Herbicide Trial XXX-XXX-XXX-11
Purpose: Weed control programs with Instigate herbicide.
Contacts: Bill Johnson, Mike White

Industry Herbicide Trial XXX-XXX-XXX-12
Purpose: Confidential: Weed control comparison trial in field corn.
Contacts: Bill Johnson, Mike White

Industry Herbicide Trial XXX-XXX-XXX-13
Purpose: SL-573 for weed control in field corn.
Contacts: Bill Johnson, Mike White

Industry Herbicide Trial XXX-XXX-XXX-28
Purpose: Post emergence weed control in popcorn with dpx-uku48
Contacts: Bill Johnson, Mike White

Industry Herbicide Trial XXX-XXX-XXX-30
Purpose: Confidential: EPOST and POST weed control programs in field corn.
Contacts: Bill Johnson, Mike White
Herbicide Trial XXX-XXX-XXX-41
Purpose: Valor Interaction with acetochlor herbicide.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-42
Purpose: Valor interaction with acetochlor herbicide.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-43
Purpose: Pretreatment herbicide programs in soybeans.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-44
Purpose: Verdict + PPO tolerance – Sharpen Sensitive.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-45
Purpose: Bare ground/cover crop/plant Back herbicide trial.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-46
Purpose: Confidential: Long term evaluation of resistance evolution in soybeans.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-47
Purpose: Spitfire soybean preplant intervals and impact of rainfall.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-48
Purpose: Soybean herbicide tolerance trial.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-49
Purpose: Panther + NUP- 14013 Weed Control
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-50
Purpose: Authority/Anthem/Cadet/Marvel/Pre/Post/glyphosate-tolerant programs in soybeans.
Contact: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-51
Purpose: Cadet/Marvel/Roundup/Soybean early post-emergence trial.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-52
Purpose: Confidential: Efficacy and selectivity of herbicide product when applied pre-emergence alone and in tank mix in soybeans.
Contacts: Bill Johnson, Mike White
Department of Botany & Plant Pathology (continued)

**Herbicide Trial XXX-XXX-XXX-53**  
Purpose: Confidential: Herbicidal efficacy and selectivity of an herbicide applied post emergence to soybeans.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-54**  
Purpose: Efficacy and selectivity of Statement when applied pre-emergence to soybeans.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-55**  
Purpose: Industry nozzle/gallons per acre trial.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-56**  
Purpose: ADAMA soybean demonstration program-concepts.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-57**  
Purpose: ADAMA soybean concepts – Pre and Post-emergence programs.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-58**  
Purpose: ADAMA soybean grass herbicide (alone) crop safety trial.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-59**  
Purpose: ADAMA soybean grass herbicide (tank-mixed with glyphosate) crop safety trial.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-60**  
Purpose: Confidential – Herbicide tolerant soybean evaluation of an herbicide-based weed management program.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-61**  
Purpose: Confidential: Herbicide tolerance trial in soybeans.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-62**  
Purpose: Balance Bean Balance GT Soybean trial.  
Contacts: Bill Johnson, Mike White

**Herbicide Trial XXX-XXX-XXX-63**  
Purpose: Confidential: Comparing herbicide rates and formulations in pre-emergence applications on soybeans.  
Contacts: Bill Johnson, Mike White
Herbicide Trial XXX-XXX-XXX-64
Purpose: Confidential: Comparing herbicide formulations in pre-emergence applications in soybeans.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-65
Purpose: Confidential: Pre-emergence herbicide programs on weed control and soybean response.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-68
Purpose: Engenia Tank Contamination Symptomology.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-69
Purpose: Soybean sensitivity to other auxin herbicide combinations.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-70
Purpose: Herbicidal efficacy and selectivity when Harrow is fall-applied to field corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-71
Purpose: Soybean/Authority XL/Authority Maxx/Authority MTX/Split/Purdue.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-32
Purpose: Herbicidal efficacy and selectivity of Harrow and Crusher when applied pre-plant in field corn.
Contacts: Bill Johnson, Mike White

Herbicide Trial XXX-XXX-XXX-72
Purpose: Herbicidal efficacy and selectivity when Crusher is applied pre-plant to soybean.
Contacts: Bill Johnson, Mike White

Effects of Growth Regulator Herbicide Technology Dependency in Corn/Soybean.
Contact: Travis Legleiter, Bill Johnson

Corn Herbicide Carryover on Cover Crops
Contact: Travis Legleiter

Soybean Herbicide Carryover on Cover Crops
Contact: Travis Legleiter

Cover Crop Termination
Purpose: Termination of annual ryegrass cover crop with spring burndown applications.
Contact: Travis Legleiter
Vegetative and Reproductive Development of Palmer Amaranth
Contacts: Doug Spaunhorst, Bill Johnson

Efficacy of Seed Treatments in Corn
Purpose: Determine the efficacy of seed treatments on corn disease control and yield.
Contacts: Kiersten Wise, Jeffrey Ravellette

Charcoal Rot – Variety Screen
Purpose: Evaluate resistance to charcoal rot in high-yielding commercial soybean varieties.
Contacts: Kiersten Wise, Jeffrey Ravellette

Charcoal Rot – Epidemiology
Purpose: Assess the impact of Charcoal Rot on yield and determine epidemiology with soybeans in northern U.S.
Contacts: Kiersten Wise, Jeffrey Ravellette

Charcoal Rot Seed Treatment Trial
Purpose: Determine the efficacy of seed treatments on charcoal rot in soybeans.
Contacts: Kiersten Wise, Jeffrey Ravellette

Soybean In-furrow Trial
Purpose: Determine the efficacy of in-furrow fungicide applications on disease control and yield in soybeans.
Contacts: Kiersten Wise, Jeffrey Ravellette

Herbicide Trial-E002
Purpose: Confidential: Herbicide weed control programs in corn.
Contacts: Bryan Young, Julie Young

Herbicide Trial-E003
Purpose: Confidential: Herbicide programs for specific products.
Contacts: Bryan Young, Julie Young

Herbicide Trial-E005
Purpose: Confidential: Post-emergence herbicide trial for glyphosate-resistant Waterhemp control.
Contacts: Bryan Young, Julie Young

Herbicide Trial
Purpose: Trivence herbicide applied pre-emergence.
Contacts: Bryan Young, Julie Young

Herbicide Trial
Purpose: Trivence burndown programs.
Contacts: Bryan Young, Julie Young

Herbicide Trial 14-MGS-LL Programs
Purpose: Liberty Link weed control programs in soybeans.
Contacts: Bryan Young, Julie Young
Department of Botany & Plant Pathology (continued)

**Herbicide Trial 14-MGS-PantherRatios**  
Purpose: Panther + imazethapyr herbicide ratios.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-MGS-RosensPROG**  
Purpose: Evaluate pre-emergence herbicide products.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-MGS-RosensPOST**  
Purpose: Evaluate adjuvants with Cobra and Acifluorfen II herbicides.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-MGS-SyngentaAMARANTH**  
Purpose: Competitive herbicide products for Waterhemp control.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Confidential**  
Purpose: Confidential: Evaluate weed control from herbicide formulations.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Confidential**  
Purpose: Confidential: Evaluate weed control from herbicide formulations.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Confidential**  
Purpose: Confidential: Evaluate weed control from herbicide formulations.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Confidential**  
Purpose: Confidential: Evaluate Weed control from herbicide formulations.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Confidential**  
Purpose: Confidential: United Suppliers adjuvant evaluation with provided product.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-DupontGR**  
Purpose: Evaluation of an herbicide in corn.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Confidential**  
Purpose: Confidential: Evaluate corn response to an herbicide with provided adjuvants.  
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Precision Labs 2,4-D + Durango**  
Purpose: Evaluation of Precision Labs adjuvants with 2,4-D plus Durango herbicides.  
Contacts: Bryan Young, Julie Young
Department of Botany & Plant Pathology (continued)

**Herbicide Trial 14-THP-Precision Labs Dicamba + Roundup PowerMax**
Purpose: Evaluation of Precision Labs adjuvants with dicamba plus glyphosate herbicides.
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Precision Labs Residual Adjuvant**
Purpose: Evaluation of Precision Labs Adjuvants Soil Residual herbicides.
Contacts: Bryan Young, Julie Young

**Herbicide Trial 14-THP-Shadow Adjuvant Evaluation**
Purpose: Evaluation of Winfield Solutions Adjuvants with Shadow for Corn Control.
Contacts: Bryan Young, Julie Young

Department of Entomology

**Translocation of Clothianidin Seed Treatments on Maize Seed and the Influence of Varying Rates of Application**
Purpose: Investigation on how clothianidin moves into the corn plant from seed treatments.
Contacts: Adam Alford, Larry Bledsoe, Christian Krupke

**Cooperative Ag Pest Survey (CAPS) for Exotic Insect Pests of Soybean and Corn**
Purpose: Trap array for exotic insect pests of soybean and corn.
Contact: Larry Bledsoe

**Harnessing Farm Wildlife for Weed Management: Measuring Suppression by Rodents and Insects**
Purpose: Evaluate the effects of both vertebrate (rodents) and invertebrate (crickets and ground beetles) seed predators on weed growth.
Contacts: Carmen Blubaugh, Ian Kaplan

**Timing of Infection of Muskmelons with Bacterial Wilt**
Purpose: Plots planted on days 0, 7, and 14. Three Plots will be covered with row covers. Beetles will be added to one plot for each planting date on day 14.
Contacts: Rick Foster, Kira Albright

**Neonicotinoid Presence in Cantaloupe Pollen**
Purpose: Plots treated with various neonicotinoids with different application methods to determine the concentration of pesticide residue in the flower pollen.
Contacts: Rick Foster, Kira Albright, Mohammadie

**Tomato Observation Plot**
Purpose: Obtain photos of insect and diseases that may attack tomatoes grown without pesticides.
Contacts: Rick Foster, Kira Albright

**Sweet Corn Insecticide Trial**
Contacts: Rick Foster, Kira Albright
Department of Entomology (continued)

Comparison of Thresholds for Corn Earworm on Sweet Corn
Purpose: Plots sprayed based on thresholds of 1 or 10 moths per night and evaluated for damage and number of sprays needed.
  Contacts: Rick Foster, Kira Albright

Actigard for Management of Striped Cucumber Beetles and Bacterial Wilt on Muskmelons
Purpose: Actigard will be investigated for its effect on beetles and disease in muskmelons.
  Contacts: Rick Foster, Kira Albright

Collection Site for Striped cucumber Beetles
Purpose: Collecting striped cucumber beetles for use in other studies, from two varieties of squash.
  Contacts: Rick Foster, Kira Albright, Mohammadie

Evaluate Efficacy of Thiamethoxam on Soybean Pest
Purpose: Evaluate efficacy of thiamethoxam on soybean pests.
  Contacts: Rick Foster, Kira Albright

Insect Bio Control in High Tunnels
Purpose: Predaceous and parasitic insects will be released in high tunnels. Different mechanisms will be tested to retain them in tunnels.
  Contacts: Laura Ingwell, Ian Kaplan

Hornworm Preference for Solanaceous Crops and Weeds
Purpose: Evaluate the preferences of hornworm caterpillars and their parasitic wasp for different solanaceous crop and weed species in common garden.
  Contacts: Ian Kaplan, Michael Garvey

Plant Volatile Effects on Tomato Pest Resistance
Purpose: Tomato seedings will be transplanted and exposed to several volatile chemicals that induce resistance against caterpillars and aphids.
  Contacts: Ian Kaplan, Elizabeth Rowen

Tomato Tolerance to Insect Damage
Purpose: Test the ability of different tomato cultivars/species to tolerate experimental defoliation to stimulate insect pest damage.
  Contacts: Ian Kaplan, Juli Carrillo

Floral Volatiles for Pollinator Attraction
Purpose: Watermelon cultivars will be screened for floral volatiles and visitation by bees.
  Contacts: Ian Kaplan

Dissertation Research: Does Fear Beget Fear?
Purpose: Evaluate the role an intraguild predation between weed and seed biological control agents. This knowledge will clarify the roles of diverse seed predators in weed population dynamics.
  Contacts: Ian Kaplan, Carmen Blubaugh
Department of Entomology (continued)

**Corn Rootworm Trap Crop**
Purpose: A late-planted trap crop in 2013 to provide an enhanced test area in 2014.
Contacts: Christian Krupke, Larry Bledsoe

**Efficacy of Commercial and Experimental Insecticides Used to Control Corn Insect**
Purpose: Evaluate new products and generate data for Extension recommendations.
Contacts: Christian Krupke, Larry Bledsoe

**Evaluate Efficacy of Various Rates of Poncho on Corn Rootworm and Yield**
Purpose: Evaluate efficacy of various rates of Poncho insecticide on corn rootworm.
Contacts: Christian Krupke, Larry Bledsoe

**Evaluate Refuge in Bag Technology**
Purpose: Efficacy of refuge in bag (RIB) technology against corn rootworm.
Contacts: Christian Krupke, Larry Bledsoe

**Corn Rootworm Production Experiment Tents**
Purpose: Evaluate genetically modified organism effect on corn rootworm adult production.
Contacts: Christian Krupke, Larry Bledsoe

**Evaluating Corn Rootworm Mating Behavior**
Purpose: Investigate the mating behavior of corn rootworm in refuge configurations.
Contacts: Christian Krupke, Larry Bledsoe

**Effects of Landscape Intensification on Soil Biota**
Purpose: Effects of change from a relatively unmanaged to managed (conventional corn) system on soil biota and soil quality.
Contacts: Madeline Spigler, Christian Krupke, Larry Bledsoe

Department of Forestry and Natural Resources

**Progeny Testing of Northern Red Oak, Black Walnut, and BC3 American Chestnut Trees**
Purpose: Develop improved fine hardwood planting stock for Indiana in particular and the Central Hardwood Region in general.
Contact: Jim McKenna

Department of Horticulture and Landscape Architecture

**Experimental Wine Grape Vineyard**
Purpose: Evaluation of wine grape cultivars.
Contacts: Bruce Bordelon, Paul Howard

**Small Fruit Tree Teaching Block**
Purpose: Variety of small fruits selections to use for teaching in horticultural classes.
Contacts: Bruce Bordelon, Paul Howard
Raspberry Planting
Purpose: Study integrated pest management strategies on Spotted Winged Drosophila.
Contacts: Bruce Bordelon, Paul Howard

Evaluation of Root Pruning on Growth of Containerized Plants in the Midwest
Purpose: Containers will be grown and evaluated in shade house at Throckmorton-PAC.
Contacts: Kyle Daniel

Herbicide Screen for Turf and Landscape Field Day
Purpose: Evaluate phytotoxicity in container-grown plants - will be held in shade house at Throckmorton-PAC for use at mid-summer field event.
Contact: Kyle Daniel

NC-7 Regional Ornamental Trials: Evaluation of Woody Plants
Contact: Kyle Daniel

Comparison of Foliar Applied and Slow Release Fertilizer on Maple Trees in the Landscape
Contact: Kyle Daniel

Evaluation of Transgenic Tomato Lines
Purpose: Evaluate transgenic tomato lines for agronomic performance.
Contacts: Avtar Handa, Tatsiana Datsenka

Evaluation on Honeycrisp Apple Tree Selections
Contacts: Peter Hirst, Mokhles Ahmed Mokh Elsysy

Documenting Trees Structure Growth for Developing Automated Tree Pruner Software
Contacts: Peter Hirst, Biying Shi

Testing the Effects of Pruning on Apple Trees in Sub Freezing Temperatures
Contact: Peter Hirst

Crop Systems Trial
Purpose: On-going gene-environment trials
Contacts: Lori Hoagland, Natasha Cerruti

Sweet Potato – Mulch Trial
Purpose: Repeat of 2013 mulch trial.
Contacts: Lori Hoagland, Natasha Cerruti

Organic Tomato Breeding Trial
Purpose: Small plots – same as in 2013.
Contacts: Lori Hoagland, Natasha Cerruti

Hops Establishment and Variety Trial
Contacts: Lori Hoagland, Natasha Cerruti
Malting Barley Variety Trial
Contacts: Lori Hoagland, Natasha Cerruti

Evaluation of Disease Resistant Apple Trees
Purpose: Identify advanced selections and maintain scion collection.
Contact: Jules Janick

High Tunnel Bedding Plant Production Using Megatubing Solar Heating
Contacts: Roberto Lopez, Garrett Owen

Purdue Arboretum Indiana Native Plant Study
Purpose: Promote ethical and sustainable use of native plants in Indiana landscape.
Contacts: Paul Sicillano, Kirby Kalbaugh, Andrea Brennan

Department of USDA-ARS-NSERL/Agronomy

Stratification of Herbicides, Nutrients, and Carbon in the Soil as Influenced by Three Rotations and Four Tillage Practices
Purpose: Evaluation of how long term rotations and tillage impacts herbicide, nutrient and carbon stratification in the soil.
Contact: Janae Bos, Javier Gonzalez

Throckmorton-Purdue Agricultural Center
& Department of Horticulture & Landscape Architecture

Strawberry Plasticulture Trial
Purpose: Determine the effectiveness of strawberry plasticulture production in Indiana and evaluate planting date for various varieties.
Contacts: Tristand Tucker, Bruce Bordelon