

THROCKMORTON-PURDUE AGRICULTURAL CENTER
(INCLUDING THE MEIGS FARM)
RESEARCH AND DEMONSTRATION PROJECTS
2016

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Department of Agronomy

TPAC/AGRY/Brouder - Indigenous Soil Potassium (K) Supply, Fertilizer Use-efficiency and K Budgets in Indiana Corn and Soybean Production

Purpose: Evaluate the agronomic efficiency of current recommended K fertilizer rates as well as evaluating theoretically improved soil k and test for the ability to predict K supply.

Contacts: Sylvie Brouder, Niki De Armond

TPAC/AGRY/Brouder - CenUSA Nitrogen Biomass Study

Purpose: To determine the ability of annual biomass like maize and sorghum crops to produce the various outputs and evaluate perennial biomass crops such as switch grass, native prairie and miscanthus on marginal land.

Contacts: Sylvie Brouder, Jeff Volenec, Niki De Armond

TPAC/AGRY/Casteel - Potassium (K) Plots

Purpose: Continue to monitor yield levels of corn and soybean in K plots, taking soil samples and applying potash to reestablish a soil k gradient.

Contacts: Shaun Casteel, Jim Camberato, Peter Kovacs

TPAC/ARGY/Camberato - Effect of Starter Fertilizers and Biological Agents on Corn Rotting

Contacts: Jim Camberato, Bob Nielsen, Jason Lee

TPAC/ARGY/Jiang - Evaluation of Flowering Time in Switchgrass Population

Purpose: Assessment of flowering time and biomass yield of switchgrass and identify mechanisms controlling flowering time.

Contacts: Yiwei Jiang, Megan Taylor

Department of Agronomy (continued)

TPAC/ARGY/Jiang - Evaluation of Flowering Time in Perennial Ryegrass

Population

Purpose: Assessment of flowering time and identify mechanisms controlling flowering time.

Contacts: Yiwei Jiang

TPAC/ARGY/Nielsen - Responses of Corn to Biological Inoculants Applied In-furrow or on the Seed

Purpose: Evaluate a select number of products for their effects on corn

Contacts: Robert Nielsen, Jim Camberato, Jason Lee

TPAC/ARGY/Rainey - Cultivar Evaluation and Selection of Conventional Soybeans

Purpose: Evaluate cultivars of soybeans.

Contacts: Katy Rainey, Chris Hoagland, Curtis Brackett

TPAC/ARGY/Rocheford - Evaluation of Iso-Orange Corn Production in an Organic System - 2016

Purpose: Boosting nutritional value (specifically provitamin A carotenoids) in corn in an effort to benefit those in sub-Saharan Africa.

Contacts: Torbert Rocheford

Department of Botany & Plant Pathology

TPAC/BTNY/Alyer-Pascuzzi - Generation of Tomato Mapping Population for Bacterial Wilt - 2016

Purpose: TBD

Contacts: Anjali Iyer-Pascuzzi, Rucha Karve

TPAC/BTNY/Beckerman – Apple Cultivar Disease Evaluation Trial - 2016

Purpose: Adjuvant evaluation for Scab control in apples

Contacts: Janna Beckerman

TPAC/BTNY/Foster – Muskmelon Insect/Disease Trial - 2016

Purpose: Practices will be studied to manage striped cucumber beetles and bacterial wilt with neonicotinoids causing minimal harm to honey bees.

Contacts: Rick Foster

Department of Botany & Plant Pathology (continued)

TPAC/BTNY/Foster - Melon Insect/Disease Varietal Trial - 2016

Purpose: 12 varieties of melons will be planted and populations of striped cucumber beetles, incidence of bacterial wilt, and yield components will be measured.

Contacts: Rick Foster

TPAC/BTNY/Foster - Sweet Corn Insecticide Trial - 2016

Purpose: Experiment will determine the optimal time to initiate insecticide applications for management of corn earworms on sweet corn.

Contacts: Rick Foster

TPAC/BTNY/Foster - Sweet Corn Pesticide Spray Coverage Study - 2016

Purpose: Experiment will look at spray coverage with four different sprayer types.

Contacts: Rick Foster

TPAC/BTNY/Foster - Sweet Corn Insect and Sprayer Study - 2016

Purpose: Experiment will compare efficacy of corn earworm control using boom sprayer, boom with drop nozzles, and air blast sprayer.

Contacts: Rick Foster

TPAC/BTNY/Foster - Sweet Corn Insecticide Trial/2016

Purpose: Experiment will compare different insecticides for control of corn earworm.

Contacts: Rick Foster

TPAC/BTNY/Ingwell - Bacterial Wilt in High Tunnel Study - 2016

Purpose: Exploring effects of insect screen on bacterial wilt in cucumbers and melons in high tunnels.

Contacts: Laura Ingwell, Ian Kaplan

TPAC/BTNY/Ingwell - Bacterial Wilt (*Erwinia tracheiphila*) in Vegetables Study - 2016

Purpose: Grafting cucumber and cantaloupe plants onto pumpkin, squash and watermelon rootstocks and then evaluating their susceptibility to cucumber beetles and the pathogen (*Erwinia tracheiphila*) they transmit.

Contacts: Laura Ingwell

TPAC/BNTY/Johnson - 16S-TPAC-Corn 03/2016 Herbicide Trial

Purpose: One pass programs for conventional till corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn 04/2015 Herbicide Trial

Purpose: Two pass programs for conventional till Corn.

Contacts: Bill Johnson, Joe Ikley

Department of Botany & Plant Pathology (continued)

TPAC/BNTY/Johnson - 16S-TPAC-Corn-05/2016 Herbicide Trial

Purpose: Two pass Balance programs for conventional till corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-06/2016 Herbicide Trial

Purpose: Corn tolerance to Post-emergence applications of DiFlexx.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-07/2016 Herbicide Trial

Purpose: Anthem programs for weed control in corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-08/2016 Herbicide Trial

Purpose: Post-emergence Solstice programs in corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-16/2016 Herbicide Trial

Purpose: One vs Two-Pass programs for weed control in corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-17/2016 Herbicide Trial

Purpose: Dicamba herbicide safety in corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-18/2016 Herbicide Trial

Purpose: Armezon tank-mix partners for conventional till corn.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-22/2016 Herbicide Trial

Purpose: Industry-supported trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-23/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-24/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-26/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

Department of Botany & Plant Pathology (continued)

TPAC/BNTY/Johnson - 16S-TPAC-Corn-27/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-28/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-29/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-Corn-30/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-POP-02/2016 Herbicide Trial

Purpose: Popcorn hybrid sensitivity to Acuron herbicides.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-01/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-09/2016 Herbicide Trial

Purpose: Authority herbicide programs in Liberty-Link soybeans.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-10/2016 Herbicide Trial

Purpose: Liberty + Cobra herbicide tank mixes in Liberty-Link soybeans.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-11/2016 Herbicide Trial

Purpose: Fierce herbicide programs for weed control in Xtend soybeans.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-12/2016 Herbicide Trial

Purpose: Fierce herbicide programs in Liberty-Link soybeans.

Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 15S-TPAC-SOY-14/2016 Herbicide Trial

Purpose: Burndown herbicide programs for control of Giant Ragweed in soybeans.

Contacts: Bill Johnson, Joe Ikley

Department of Botany & Plant Pathology (continued)

TPAC/BNTY/Johnson - 15S-TPAC-SOY-15/2016 Herbicide Trial

Purpose: Engenia program for control of Giant Ragweed in Xtend soybeans.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-19/2016 Herbicide Trial

Purpose: Two-pass herbicide programs for weed control in Xtend soybeans.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-20/2016 Herbicide Trial

Purpose: Weed control programs in BOLT system.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-21/2016 Herbicide Trial

Purpose: Double crop Xtend soybean programs.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-25/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-31/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-SOY-32/2016 Herbicide Trial

Purpose: CONFIDENTIAL herbicide trial.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson - 16S-TPAC-VC-13/2016 Herbicide Trial

Purpose: Programs for volunteer corn control.
Contacts: Bill Johnson, Joe Ikley

TPAC/BNTY/Johnson – Waterhemp Trial

Purpose: Spray deposition on Waterhemp.
Contacts: Bill Johnson, Travis Legleiter

TPAC/BNTY/Johnson - Arylex Soybean Burndown Programs

Purpose: Evaluate burndown herbicide products in soybeans.
Contacts: Bill Johnson, Nick Harre, Marcelo Zimmer

TPAC/BNTY/Johnson - Spray Deposition on Horseweed Trial

Purpose: Evaluate herbicide spray deposition on Horseweeds.
Contacts: Bill Johnson, Travis Legleiter

Department of Botany & Plant Pathology (continued)

TPAC/BTNY/Olaya-Arenas - Monarch Butterfly Study

Purpose: Non-Target effects of Neonicotinoid seed treatment on Milkweeds and Monarch Butterflies.

Contacts: Paola A. Olaya-Arenas, Laura Ingwell, Ian Kaplan

TPAC/BNTY/Young - Amway Adjuvants with Assure II/2016 Trial

Purpose: Evaluation of Amway Adjuvants with Assure II in Soybeans.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Amway Adjuvants with Callisto/2016 Trial

Purpose: Evaluation of Amway Adjuvants with Callisto in Corn.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/YOUNG - Amway Adjuvants with Touchdown HiTech in Corn/2016 Trial

Purpose: Evaluation of Amway Adjuvants with Touchdown HiTech in corn.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/YOUNG - Amway Adjuvants with Touchdown HiTech in Soybean/2016 Trial

Purpose: Evaluation of Amway Adjuvants with Touchdown HiTech in soybeans.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - IT-1402 Corn/2016 Trial

Purpose: Influence of IT-1402 on weed control with Glyphosate and Corn Yield.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - IT-1402 Soybean/2016 Trial

Purpose: Influence of IT-1402 on weed control with Glyphosate and Soybean Yield.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Adjuvants Combinations in Corn/2016 Trial

Purpose: Rosen's adjuvant combinations in corn.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Adjuvants Combinations in Soybean/2016 Trial

Purpose: Rosen's adjuvant combinations in soybean.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Glufosinate Adjuvants/2016 Trial

Purpose: Rosen's Adjuvant with Glufosinate.

Contacts: Bryan Young, Nick Harre

Department of Botany & Plant Pathology (continued)

TPAC/BNTY/Young - Roundup Powermax + Cleanse Adjuvant-Nozzle Combinations/2016 Trial

Purpose: Evaluation of Adjuvant-nozzle interactions with Roundup Powermax + Cleanse in soybeans.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Realm Q Adjuvant-Nozzle Combinations/2016 Trial

Purpose: Evaluation of adjuvant-nozzle interactions with Realm Q in corn.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - AnthemMaxx/2016 Trial

Purpose: Anthem Maxx Tank-mixtures with Future Roundup Xtend and Enlist Duo Programs.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Balance GT/2016 Trial

Purpose: Confidential: Balance GT/Balance Bean Evaluation.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Waterhemp/2016 Trial

Purpose: Dicamba adjuvants on Waterhemp control.

Contacts: Bryan Young, Nick Harre, Jamie Long

TPAC/BNTY/Young - DuPont Dicamba Programs/2016 Trial

Purpose: Dicamba in no-till two-pass DCP Programs for Roundup Ready 2X soybeans.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Soybean/2016 Trial

Purpose: Confidential herbicide trial.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Soybean/2016 Trial

Purpose: FMC Fall soybean programs.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Soybean/2016 Trial

Purpose: Efficacy of IT-1402 with Dicamba and Glyphosate on Glyphosate-resistant weeds.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Corn/2016 Trial

Purpose: Liberty herbicide rate evaluation in Liberty Link corn.

Contacts: Bryan Young, Nick Harre

Department of Botany & Plant Pathology (continued)

TPAC/BNTY/Young - Liberty + PPO Herbicides/2016 Trial

Purpose: Evaluation of Liberty herbicide applied with PPO-inhibiting herbicides.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young – Panther Pro/2016 Trial

Purpose: Panther Pro formulation validation.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Residual Herbicide Length/2016 Trial

Purpose: Length of soil residual herbicide activity.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - UPI KFD 240-01/2016 Trial

Purpose: Evaluation of KFD 240-01.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Enlist Duo Adjuvants/2016 Trial

Purpose: Evaluation of adjuvants with Enlist Duo herbicide.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Status and Roundup Powermax Adjuvants/2016 Trial

Purpose: Evaluation of Adjuvants with Status + Roundup Powermax.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Warrant Xtend/2016 Trial

Purpose: Acetochlor + Dicamba formulation development for soybeans.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Weed Size Demonstration/2016 Trial

Purpose: Demonstration of herbicide efficacy applied at various weed heights.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Xtend Soybean Demonstration/2016 Trial

Purpose: No-till RR2 Xtend herbicide demonstration.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young - Xtend Photoperiod/2016 Trial

Purpose: Photoperiod effect on herbicide efficacy in Xtend soybeans.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young – Roundup Ready 2 Xtend Variety Demonstration/2016 Trial

Purpose: Pioneer RR2 Xtend variety demonstration.

Contacts: Bryan Young, Nick Harre

Department of Botany & Plant Pathology (continued)

TPAC/BNTY/Young/Roundup Ready 2 Xtend vs. Competitors/2016 Trial

Purpose: RR2 Xtend soybean system compared to competitors.

Contacts: Bryan Young, Nick Harre

TPAC/BNTY/Young/Dicamba Adjuvant Volatility/2016 Trial

Purpose: Evaluate effect of adjuvants on dicamba volatility.

Contacts: Bryan Young, Nick Harre, Jamie Long

Department of Entomology

TPAC/ENTY/Bledsoe - Cooperative Ag Pest Survey (CAPS) for Exotic Insect Pests of Soybeans, Corn, and Oak

Purpose: Trap array for exotic insect pests of soybeans, oak, and corn.

Contacts: Larry Bledsoe

TPAC/ENTY/Krupke - Evaluate Efficacy of Thiamethoxam on Soybean Pollinators

Purpose: Evaluate efficacy of a type of neonicotinoid on pollinators in soybeans.

Contacts: Christian Krupke, Larry Bledsoe

TPAC/ENTY/Krupke - Evaluate Rootworm Mating Biology in Transgenic Corn Rootworm Mating

Purpose: Study mating probabilities in resistant vs. susceptible rootworm populations.

Contact: Christian Krupke, Larry Bledsoe

TPAC/ENTY/Krupke - Soybean Efficacy Study

Purpose: Evaluate efficacy of pest management products on soybean pests.

Contact: Christian Krupke, Larry Bledsoe

TPAC/ENTY/Krupke - Corn Rootworm Trap Crop

Purpose: A late-planted trap crop in 2016 to provide an enhanced test area in 2017.

Contact: Christian Krupke, Larry Bledsoe

TPAC/ENTY/Krupke - Efficacy of Commercial and Experimental Insecticides used to Control Corn Insects

Purpose: Evaluate new products and generate data for Extension recommendations.

Contacts: Christian Krupke, Larry Bledsoe

Department of Entomology (continued)

TPAC/ENTY/Foster - Sweet Corn Insecticide Trial

Purpose: Experiment will compare different insecticides for control of corn earworm.
Contacts: Rick Foster

TPAC/ENTY/Foster - Comparison of sprayer Types for Control of Corn Earworms in Sweet Corn

Purpose: Compare efficacy of corn earworm control using boom sprayer, boom with drop nozzles, and air blast sprayer.
Contacts: Rick Foster

TPAC/ENTY/Foster - Spray Coverage on Sweet Corn with Different Sprayer Types

Purpose: Experiment will look at spray coverage with four different sprayer types.
Contact: Rick Foster

TPAC/ENTY/Foster - Sweet Corn/2016 Study

Purpose: Determine the optimal time to initiate insecticide applications for management of corn earworms on sweet corn.
Contacts: Rick Foster

TPAC/ENTY/Foster – Muskmelon Insect/Disease/2016 Study

Purpose: Susceptibility of melon varieties to striped cucumber beetles and bacterial wilt.
Contacts: Rick Foster, Mohammadi

TPAC/ENTY/Foster – Muskmelon Insect/Disease/2016 Study

Purpose: Study practices to manage striped cucumber beetles and bacterial wilt with neonicotinoids causing minimal harm to honey bees.
Contacts: Rick Foster

TPAC/ENTY/Foster – Raspberry Insect Control/2016 Study

Purpose: Test insecticides for control of spotted wing drosophila on raspberries.
Contact: Rick Foster, Bruce Bordelon, Ben Savage

TPAC/ENTY/Ingwell - High Tunnel/2016 Study

Purpose: Exploring effects of insect screen on bacterial wilt in cucumbers and melons in high tunnels.
Contacts: Laura Ingwell, Ian Kaplan

TPAC/ENTY/Olaya-Arenas - Seed Treatment/2016 Study

Purpose: Non-target effects of neonicotinoid seed treatment on milkweeds and monarch butterflies.
Contacts: Paola A Olaya-Arenas, Laura Ingwell, Ian Kaplan

Department of Forestry and Natural Resources

TPAC/FNR/McKenna - Northern Red Oak, Black Walnut (BC3), and Chestnut Tree/2016 Studies

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

TPAC/HORT/Bordelon – Wine Grape Varietal/2016 Study

Purpose: Replicated variety and advanced selection trial, advanced selection observations, and bulk rows for miscellaneous vineyard studies.

Contacts: Bruce Bordelon, Paul Howard

TPAC/HORT/Bordelon - Small Fruit/2016 Trial

Purpose: Variety of small fruits selections to use for teaching in horticultural classes.

Contacts: Bruce Bordelon, Paul Howard

TPAC/HORT/Bordelon - Paw Paw/2016 Trial

Purpose: Paw Paw tree varietal trial to collect data - to be shared regionally.

Contacts: Bruce Bordelon, Paul Howard

TPAC/HORT/Hoagland - Hops Establishment and Variety/2016 Trial

Contacts: Lori Hoagland, Judith Martin

TPAC/HORT/Hoagland - Organic Tomato Breeding/2016 Trial

Contacts: Lori Hoagland, Judith Martin

TPAC/HORT/Daniel - NC-7 Ornamenta/2016 Trial

Purpose: Evaluation of woody plants.

Contacts: Kyle Daniel

TPAC/HORT/Hirst – Evercrisp Apple Tree Management/2016 Trial

Purpose: To evaluate and define management systems for Evercrisp apples.

Contacts: Peter Hirst

TPAC/HORT/Hirst/2014 NC-140/2016 Trial

Purpose: To evaluate selected new apple rootstocks.

Contacts: Peter Hirst

Department of Horticulture and Landscape Architecture (continued)

TPAC/HORT/Hirst - 2010 NC-140/2016 Trial

Purpose: To evaluate selected new apple rootstocks.

Contacts: Peter Hirst

TPAC/HORT/Hirst - Flowering in Honeycrisp Apple Tree/2016 Study

Purpose: To evaluate and understand flowering physiology in Honeycrisp apples.

Contacts: Peter Hirst

TPAC/HORT/Hirst - Magnum Gala/2016 Study

Purpose: Gala apple genotype evaluation.

Contacts: Peter Hirst

TPAC/HORT/Hirst - Collection of New Apple Cultivars/2016

Purpose: Multi-purpose collection of 20 newer apple cultivars.

Contacts: Peter Hirst

TPAC/HORT/Hirst/Cherry Planting/2016 Study

Purpose: Training system trial of sweet cherries.

Contacts: Peter Hirst

TPAC/HORT/Hirst - Evaluation on Honeycrisp Apple Tree Selections/2016

Contacts: Peter Hirst, Mokhles Ahmed Mokh Elsysy

TPAC/HORT/Hirst - Documenting Trees Structure Growth for Developing Automated Tree Pruner Software/2016

Contacts: Peter Hirst, Biying Shi

TPAC/HORT/Janick - AppleTrees/2016 Selection Study

Purpose: Identify advanced selections and maintain scion collection.

Contact: Jules Janick, Anna Whipkey

TPAC/HORT/Langenhoven - Melon/2016 High Tunnel Study

Purpose: Increase market share of Indiana melon growers by increasing product range and production window. Show how high tunnels and greenhouses will get melons to market earlier.

Contacts: Petrus Langenhoven

TPAC/HORT/Sicillano - Purdue Arboretum Indiana Native Plant Study/2016

Purpose: Promote ethical and sustainable use of native plants in Indiana landscape.

Contacts: Paul Sicillano, Bryce Patz

Department of Horticulture and Landscape Architecture (continued)

TPAC/HORT/Schortgen - Dandelion Control/2016 Study

Contacts: Geoff Schortgen, Dr Aaron Patton

TPAC/HORT/Weller - Weed Control Tolerance in Hops/2016 Study

Contacts: Steve Weller

TPAC/HORT/SWeller/Anthem MAXX Shipping Sweet Corn Trial Pre-emergence/ Early Post-emergence Timing/2016 Trial

Purpose: Observe crop injury and weed control by Anthem MAXX versus Bicep II Magnum on typical Sweet Corn production soil when applied Pre-emergence and Early Post-emergence.

Contacts: Steve Weller

TPAC/HORT/SWeller/Anthem MAXX Processing Sweet Corn Trial Pre-emergence/Early Post-emergence Timing/2016 Trial

Purpose: Observe crop injury and weed control by Anthem MAXX versus Bicep II Magnum on typical Sweet Corn production soil when applied Pre-emergence and Early Post-emergence.

Contacts: Steve Weller

USDA-ARS-NSERL – Department of Agronomy

TPAC/USDA/Chuang – Nutrient Runoff Study

Purpose: Identify strategies to minimize P stratification and P runoff.

Contacts: Chi-Hua Huang, Katelin Fisher

TPAC/USDA/Gonzalez - Erosion Study

Purpose: Quantify effects of tillage and crop rotation on yield and soil quality

Contacts: Javier Gonzalez, Brenda Hofmann

Throckmorton Purdue Agricultural Center

Field Management of Fields O and B2 at the Meigs Horticultural Facility

Purpose: A management strategy developed for the Organic fields at the Meigs Farm to build soil fertility, reduce weed production, and limit financial impact on total farming operations.

Contacts: Jay Young, Tristand Tucker, & Nate Linder