# SOUTHERN INDIANA PURDUE AGRICULTURAL CENTER
# RESEARCH AND DEMONSTRATION PROJECTS
# 2017

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https://ag.purdue.edu/arp/pac/Pages/sipac-home.aspx

**Evaluating the efficacy of different fly tags in beef cattle for Face and Horn fly control**

Contact: Ralph Williams, Entomology-Purdue University

**Monitoring the Effect of Annual Rye Grass on Fragipan Soils**

Contact: Lloyd Murdock, University of Kentucky, Princeton Station

**Monitoring Three Grazing Systems Utilizing Different Forage Base Under Similar Management and Stocking Rates**

Contact: Keith Johnson and Jason Tower, Purdue University
Patrick Keyser, University of Tennessee

**Effect of Sire on Gastro-intestinal Infection in Meat Goats**

Contacts: Mike Neary, Department of Animal Sciences-Purdue and Ken Andries, Kentucky State University

**Breeding Blight Resistance into American Chestnut Trees**

Contact: Jim McKenna, USDA-Forest Service (Hardwood Tree Improvement & Regeneration Center at Purdue University). Partners include: Department of Forestry & Natural Resources-Purdue University, Indiana State Chapter of the American Chestnut Foundation, and the Indiana Department of Natural Resources, Division of Forestry

**National Weather Service Station (NWS)**

Purpose: Manual collection of daily weather observations from this site are sent to the NWS via a web-based application known as WxCoder.

Contact: Mike Crow, NWS or SIPAC Staff

**Cage Culture of Tilapia in Existing Farm Ponds, For Fun, Profit or Both**

Contact: Bob Rode, Department of Forestry & Natural Resources-Purdue University

**Surveying Armyworm Populations**

To monitor collection of specific pests for Southern Indiana

Contacts: John Obermeyer, Entomology-Purdue University

**Surveying Corn Earworm Populations**

To monitor collection of specific pests for Southern Indiana

Contacts: Ricky Foster, Entomology-Purdue University

**Evaluation of z-traps for corn earworm monitoring**

Contact: Scott B. Williams, Spensa Technologies, Inc

## Forestry & Natural Resources - Research & Demonstration Projects

**Herbicide and Application Timing for Controlling Invasive Asian Bush Honeysuckle and Autumn Olive Using the Cut Stump Method**

Location: SIPAC - Woods E, PFP8

**Invasive Plant Control Project (IPCP)**

Location: SIPAC, Woods M (also replicated at other Purdue Agricultural Centers and Forestry & Natural Resouces properties)

**Prescribed Grazing Using Goats for Integrated Management of Non-native Invasive Vegetation**

Location: SIPAC, Woods D

**Prescribed Grazing Using Goats and Prescribed Fire for Regenerating Oak Forests**

Location: SIPAC, Woods I, N, P

**Growth and Yield of Upland Hardwoods**

Location: SIPAC, All tracts

**Integrating GPS-GIS Mapping with Stand Level Silvicultural Prescription Development in Forest Management**

Location: SIPAC, All tracts

**Landscape Level Non-native Invasive Species Management Demonstration**

Location: SIPAC, All tracts and fields

**Herbicide and Application Timing for Controlling Invasive Asian Bush Honeysuckle, Autumn Olive, Multiflora Rose, and Japanese Honeysuckle Using Foliar Spray with Five Herbicides Applied at Varying Rates**

Location: SIPAC – PFP14 and PFP16

**Hardwood Plantation and Young Natural Stand Management Demonstration**

Location: SIPAC, Woods E, F, I, and PFP1

**Overall Contact**: Ron Rathfon, Regional Extension Forester at SIPAC – Department of Forestry & Natural Resources-Purdue University