

# **SOUTHERN INDIANA PURDUE AGRICULTURAL CENTER RESEARCH AND DEMONSTRATION PROJECTS 2019**

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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 and Festulolium 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, Jason Tower and Nick Minton, Purdue University  
Patrick Keyser, University of Tennessee

## **Evaluation of Hair Sheep Production in Southern Indiana**

Contacts: Mike Neary, Department of Animal Sciences-Purdue

## **Understanding Parasite Resistance in Hair Sheep Flocks**

To explore the possibility of genetic differences in animals to be tolerant of internal parasites.

Contact: Joan Burke, USDA, ARS Dale Bumpers Small Farms Research Service, Booneville, AR

## **Evaluation of Non-Prussic Acid Producing Sorghum Sudan Grass**

To evaluate animal performance and grazing preference of a BMR non-prussic acid producing sorghum sudangrass.

Contact: Mitch Tuinstra, Shelby Gruss, Keith Johnson, Agronomy Department, Purdue

## **Evaluation of Meat Goat Production in Southern Indiana**

Contacts: Mike Neary, Department of Animal Sciences-Purdue

## **Provide Finished Meat Goats for Animal Sciences class ANSC 30100, Animal Growth, Development and Evaluation**

Contact: Stacey Zuelly, Department of Animal Sciences – Purdue

## **Establishment and Evaluation of water tolerant forage species for flood prone pastures**

To look at alternative forages to reeds canary grass for flood prone pastures

Contact: Keith Johnson, Agronomy Department, Purdue

## **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

### **Purdue Automated Weather Station**

Purpose: to collect weather data that can be accessed real time via the internet.

Contact:

### **Surveying Earworm Populations**

To monitor collection of specific pests for southern Indiana

Contacts: John Obermeyer, Entomology-Purdue University

### **Surveying Corn Rootworm Populations**

To monitor collection of specific pests for southern Indiana

Contact: Laura Ingwell, Entomology – Purdue University

## **SOUTHERN INDIANA PURDUE AGRICULTURAL CENTER FORESTRY RESEARCH AND DEMONSTRATION PROJECTS 2019**

Ron Rathfon, Forestry & Natural Resources

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**Title:** Prescribed fire for invasive species management

**Location:** SIPAC, Woods E, Woods Q, PFP8, PFP16

**Title:** Prescribed fire for oak woodland development and maintenance

**Location:** SIPAC, PFP1

**Title:** Bayer – Aminocyclopyrachlor herbicide as foliar spray application for controlling invasive Asian bush honeysuckle.

**Location:** SIPAC, Woods M

**Title:** Bayer – Aminocyclopyrachlor and aminopyralid herbicide as foliar spray application and application timing for controlling invasive Asian bush honeysuckle, autumn olive, and multiflora rose.

**Location:** SIPAC, PFP10, PFP11, PFP15, Woods E, Woods G, Woods N

**Title:** Invasive plant control project (IPCP)

**Location:** SIPAC, Woods M (also replicated at other PAC and FNR properties)

**Title:** Blight resistant American chestnut progeny screening trial

**Location:** SIPAC, Field 11

**Title:** Prescribed grazing using goats for integrated management of non-native invasive vegetation

**Location:** SIPAC, Woods D

**Title:** Prescribed grazing using goats and prescribed fire for regenerating oak forests  
**Location:** SIPAC, Woods I, N, P

**Title:** Oak shelterwood and prescribed fire for regenerating oak demonstration  
**Location:** SIPAC, Woods Q

**Title:** Growth and yield of upland hardwoods  
**Location:** SIPAC, All tracts

**Title:** Integrating GPS, GIS mapping with stand level silvicultural prescription  
Development in forest management  
**Location:** SIPAC, All tracts

**Title:** Landscape level non-native invasive species management demonstration  
**Location:** SIPAC, All tracts and fields