

SOUTHERN INDIANA PURDUE AGRICULTURAL CENTER RESEARCH AND DEMONSTRATION PROJECTS 2023

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

Demonstration of Establishment of Annual Forages in to Fescue Pastures

Contact Jason Tower - Purdue University

Demonstration of Grain Sorghum for Winter Grazing

Seed provided by Mike Laird - Winfield
Contact Jason Tower, Purdue University

Monitoring for the arrival of Asian Long Horn Ticks in Indiana

Contact Doug Ginder, Indiana Department of Health

Establishment of a Weeds Toxic to Livestock Garden

Contact Dr. Grant Burcham, Purdue University ADDL, Dr. Keith Johnson, Purdue University, Molley Hasenour, Purdue Extension

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

Contact: Ralph Williams, Entomology-Purdue University

Sheep GEMS' Project (Genetics, Environment, Management and Society)

Contact: Luiz Brito, Purdue University, Ron Lewis, University of Nebraska-Lincoln

Monitoring the Effect of Annual Rye Grass and Festululium 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

Contacts: Keith Johnson, Jason Tower and Nick Minton, Purdue University
Patrick Keyser, University of Tennessee

Evaluation of Hair Sheep Production in Southern Indiana

Contact: Mike Neary, Department of Animal Sciences-Purdue

Evaluation of Meat Goat Production in Southern Indiana

Contact: 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: Cliff Goff, NWS or SIPAC Staff

Purdue Automated Weather Station

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

Contact: Beth Hall - Purdue

Surveying Armyworm Populations

To monitor collection of specific pests for southern Indiana

Contacts: John Obermeyer, Entomology-Purdue University

SOUTHERN INDIANA PURDUE AGRICULTURAL CENTER FORESTRY RESEARCH AND DEMONSTRATION PROJECTS 2023

Ron Rathfon, Forestry & Natural Resources

11371 Purdue Farm Road

Dubois, IN 47527

812-678-5049

ronr@purdue.edu

Title: Monitoring Wildlife Diversity and Abundance through Camera Trapping

Location: SIPAC, All Forests

Purpose: Monitoring mammalian wildlife diversity and abundance using camera trapping in Purdue and FNR managed woodlands.

Contact: Jarred Brooke, Forestry and Natural Resources, Purdue

Title: Forestry for the Birds: Avian Response to Forest Management

Location: SIPAC, All Forests

Purpose: Monitoring avian species diversity in response to different management practices in Purdue and FNR managed woodlands.

Contact: Jarred Brooke, Lenny Farlee, and Rod Rathfon, Forestry and Natural Resources, Purdue

Title: FNR Student intern program

Location: SIPAC, All Forests

Purpose: To give 3 to 4 students hands on applies timber stand improvement and data collection experience

Contact: Ron Rathfon

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

Location: SIPAC, PFP10, PFP14

Title: Pre-emergent herbicide application for Japanese stiltgrass control

Location: SIPAC, Fields 1b, 4, 7, 12b, 17, Woods F, G

Title: Oak shelterwood with underplanting demonstration
Location: SIPAC, Woods K

Title: Three-dimensional, baited electric fence for excluding deer from oak underplantings
Location: SIPAC, Woods K

Title: Bayer – Testing Aminocyclopyrachlor herbicide for injection and drill-and-fill treatment of hardwood stems.
Location: SIPAC, Woods Q, K

Title: Prescribed fire for invasive species management
Location: SIPAC, Woods E, G, M, Q, PFP8, PFP16

Title: Prescribed fire for oak woodland development and maintenance
Location: SIPAC, PFP1

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: 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