

FELDUN-PURDUE AGRICULTURAL CENTER RESEARCH AND DEMONSTRATION PROJECTS 2021

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Indiana Beef Evaluation Program (IBEP)

Purpose: Provide a common environment for growing young bulls from cooperators in Indiana as well as surrounding states. To provide a source of superior, performance tested bulls to commercial cattlemen intent on improving their herds.

Contact: Nick Minton, Department of Animal Sciences

Forest Inventory Studies

Purpose: Provides location for woodland research activity across the 234 acres of forest at the Feldun-Purdue Agricultural Center. Current effort includes forest inventory. Feldun-PAC possesses mature woods with a long data base history dating back to the early 1950's.

Contact: Don Carlson, Department of Forestry & Natural Resources

Purdue Automated Agricultural Weather Station (PAAWS)

Purpose: Automated collection of weather data from this site is sent to the Indiana State Climate Office at Purdue University - data can be observed at: <http://climate.agry.purdue.edu>

Contact: Beth Hall, Department of Agronomy

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. Data has been recorded at Feldun since 1893.

Contact: Brad Herold, National Weather Service

U.S. Surface Climate Reference Network (USCRN)

Purpose: Provide a continuous series of climate observations for monitoring trends in the nation's climate and for supporting climate-impact research

Contact: National Centers for Environmental Information.

Corn and Soybean Disease Sentinel Plots

Purpose: To monitor for the on-set of various diseases in corn and soybeans throughout the growing season.

Contact: Darcy Telenko, Department of Botany and Pathology

Insect Pest Monitoring Network

Purpose: Monitor insect pests of corn, soybean, wheat, and pastures.

Contact: John Obermeyer and Laura Ingwell, Department of Entomology

Black Vulture Monitoring

Purpose: Gain a better understanding of black vulture behavior in order to reduce or prevent livestock depredation and conflict with humans.

Contact: Pat Zollman and Marian Wahl – Department of Forestry and Natural Resources

Effectiveness of Annual Ryegrass to mitigate negative effects of fragipan soils.

Purpose: Establishment of annual ryegrass on fragipan soils and measure differences in soybean production as compared to no ryegrass treatment. Measure fragipan depths overtime.

Contact: Brad Shelton – Feldun Purdue Ag Center; Claire Phillips – USDA/ARS – Ames, IA

Comparison of corn and brachytic forage sorghum for silage.

Purpose to evaluate both for tonnage, forage quality, and cost of production to determine if forage sorghum could be a comparable replacement to corn for silage.

Contact: Nick Minton – Department of Animal Sciences