



Poultry

TEACHING & RESEARCH CENTER

Mission

To advance agriculture using multidisciplinary approaches to teach, generate, disseminate and apply knowledge in poultry biology and management.

Vision

The center will be utilized by dedicated faculty, staff and students to develop successful graduates, conduct innovative research and engage stakeholders.

Location

5252 E. Jolly Road
Lansing, MI 48910

Manager

Kevin Turner
517-203-6564
Turner67@msu.edu

STATISTICS & INFORMATION

The farm consists of a brooder barn, fertile hen barn, laying hen facility, turkey barn and three other versatile project buildings.

Home to:

- 750 laying hens for fertile egg production
- 4,800 commercial laying hens in laying hen facility

RESEARCH

The center is home to both applied and basic research projects. The research is designed to advance animal agriculture using multidisciplinary approaches to generate, disseminate and apply knowledge in poultry biology and management. Many of the ongoing research projects are funded by M-AAA or USDA.

Highlighted research:

- Impacts of floor laying prevention strategies on egg quality and hen responses (Janice Siegford, Ph.D.)
- Automated targeted interventions to reduce eggs laid in the litter (Janice Siegford, Ph.D.)
- Impact of litter training strategies on egg-laying, piling, and welfare of laying hens in aviaries (Janice Siegford, Ph.D.)
- A novel quantitative postmortem test for hypocalcemia in laying hens (Mayra Tsoi, DMV, Cara Robison, Ph.D.)
- Detection of imidacloprid residues in poultry products by liquid chromatography tandem mass spectrometry (LC-MS/MS) (Mayra Tsoi, DMV)
- Turkey breast muscle development: the biological response to thermal challenge in production birds (Gale Strasburg, Ph.D.)

TEACHING

The farm hosts students interested in poultry production and veterinary medicine. The farms' teaching focus is on basic poultry production, including but not limited to:

- Handling
- Health
- Reproduction
- Nutrition
- Egg quality
- Welfare assessment

OUTREACH

The center regularly provides resources and assistance for a wide range of outreach.

- Providing birds for MSU Extension to use in E-RAIL (Emergency Responder) trainings each year
- Providing ready-to-hatch eggs to classrooms, FFA, 4H and Farm Bureau Project RED events across Michigan

