

Dairy Cattle Teaching & Research Center



What's New?

- ◆ The herd size has grown from 250 cows to 630 cows.
- ◆ 2 robotic milkers were added in addition to our new double 12 sided parallel parlor to expand teaching & research opportunities.
- ◆ Increased our staff with 21 full time and temporary employees, and 40+ student employees.
- ◆ Added a manure barn with a sand separator that allows sand in the free stalls to be reclaimed, reducing costs and promoting sustainability.
- ◆ The barn is equipped with a custom ventilation system that automatically monitors humidity and temperature to maintain optimal cow comfort.
- ◆ The facility features two classrooms and a conference room for on-site student learning and event/meeting reservations.

Straight from the Farm

Welcome to this first edition of the MSU Dairy Cattle Teaching and Research Center Newsletter. This newsletter is designed to keep you all connected with the Dairy Cattle Teaching and Research Center. Since moving into the new facility last August, it has been an exciting period, though not without its challenges. Thanks to the dedication and hard work of our staff, many of these challenges have been successfully addressed. I would like to extend my sincere appreciation to all our team members for their commitment and service to the operation.

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A LOOK INTO THE NEW FACILITY



These are a few examples of the progress we have made since last fall:

- Decreased Somatic Cell Count from 180,000 to the current 50,000
- Milk Production in the mid 80 lb. range with a 4.6% butterfat test
- 31% annualized cull rate even after purchasing almost 400 cows to fill the facility - 55 % of the herd is pregnant currently
- Utilizing 100% reclaimed sand to bed free stalls.
- Received a Bronze Milk Quality Award at the recent MMPA Annual Meeting

These are exciting and historic times at the MSU Dairy Cattle Teaching and Research Center. If you have not yet had the opportunity to visit, I would encourage you to do so.

~ Jim Good, Farm Manager



STUEVER FAMILY CONFERENCE ROOM



SOUTH CLASSROOM



**THANK YOU TO SOME
OF OUR DONORS!
CHAPIN FAMILY FARMS
SANBORN & SONS DAIRY
PRESTON DAIRY
DUANE STUEVER**

Research



Dr. Pedro Henrique Esteves Trindade is conducting a research study to investigate long-term impacts on pain, health and production in heifer calves.

Dr. Bradford will be managing another project feeding two doses of a polyphenol extract from cherry pits to see whether it can help cows recover from endotoxin-induced mastitis.

Dr. Zheng Zhou's latest research project revolves around evaluating whether celery by-products can reduce methane emissions and improve feed efficiency in mid-lactation dairy cows (in collaboration with Dr. Mike VandeHaar).

Dr. Richard Pursley is organizing a study on embryo transfers.

**DR. BARRY BRADFORD
DR. MIKE VANDEHAAR**

Impact of feed additives on productivity & methane production

Dr. Bradford and Dr. Vandehaar are investigating whether Rumensin and Bovaer, two feed additives that decrease methane emissions, have any interactions when fed in combination.

DR. ADAM LOCK

Feeding for Success: Aligning Dairy Nutrition with Genetic Potential for Milk Fat

Dr. Lock's research centers on fatty acid digestion and metabolism, with an emphasis on how diet influences rumen function, nutrient partitioning, and milk fat synthesis.

DR. PAMELA RUEGG

Evaluate impact of treatment with Meloxicam on bacteria in cows that received SpectramastDC

Implementing treatment of Meloxicam to reduce inflammation and expected rise in shedding of resistant bacteria in fresh lactating dairy cows.

**3965 N. College Road
Lansing, MI 48910**

CANR MSU Extension Dairy.

STUDENT SPOTLIGHT



Owen Newland is a student that works here at the farm. He is majoring in Agribusiness Management and minoring in Agronomy. He chose MSU because of the connections and opportunities in the Agriculture Field. Outside of school and work, Owen enjoys spending time with his brothers from Alpha Gamma Rho, helping on his family's farm, and being with his friends and family. After graduation, he wants to enter the ag field in business or sales with a retailer or supplier, and farm part-time as well.

SAVE THE DATE

OPEN HOUSE

SATURDAY, JUNE 13TH, 2026

1:00 – 5:00 PM

There are a series of planned open houses throughout the summer. If you can't make this one, please stay tuned to our Facebook page for other dates.

TOURS

The farm is not currently open to the public. If you are interested touring the farm, please scan the QR code below, or email slavikky@msu.edu, and we will do our best to make the accommodations.

HOST YOUR NEXT TEAM MEETING OR EVENT HERE!

Scan the QR code to reserve a classroom, conference room, or a tour of the farm.



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Support the Dairy
slavikky@msu.edu