

# Pasture Dairy Center

## The Kellogg Farm History

W.K. Kellogg deeded the Kellogg Farm in 1928 with the intention that MSU would "...operate this farm under a most modern system of farm management so that it may serve as an object lesson to the people of the region in which it is located."

## Hours & Events

- ◆ The Pasture Dairy Center is open seven days a week, dawn to dusk.
- ◆ Outreach programs for agricultural professionals, farmers, and educators are ongoing.
- ◆ Open house events are free and open to the public June through August.
- ◆ For more information, dates, and times go to [pasturedairy.kbs.msu.edu](http://pasturedairy.kbs.msu.edu) or [facebook.com/kelloggfarmanddairy](https://facebook.com/kelloggfarmanddairy)

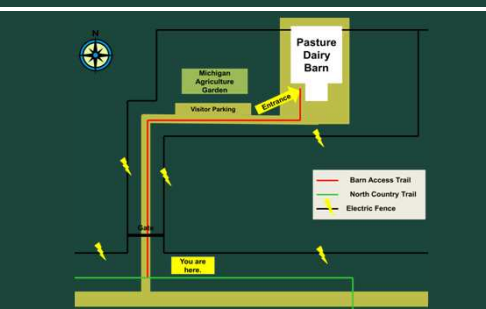
## Visitor Guidelines

To protect research, animal health, and the safety of farm staff and visitors, the dairy established the following visitor guidelines:

- ◆ If you have been out of the country in the past 14 days, do not enter the farm.
- ◆ Stay in designated areas.
- ◆ Pets are not allowed in dairy facilities.
- ◆ Watch for farm equipment and stay away from electric fences.
- ◆ Wash or sanitize your hands before leaving the farm.

## Leadership in Energy and Environmental Design (LEED)

This facility is the first agricultural operation in the U.S. to earn a LEED Silver certification from the U.S. Green Building Council. The KBS dairy facility is 38 percent more energy efficient than comparable facilities.



## Welcome!

The Kellogg Farm-Pasture Dairy Center supports research in cropping systems and pasture dairy management with a focus on the productivity and sustainability of agricultural systems for the long-term benefit of Michigan farmers and communities.

### Barn

The LEED-certified building is energy-efficient, and contains many unique features that benefit cow performance and contribute to overall productivity.



### Automatic Milking System (AMS)

The AMS collects herd data on cow health and milk quality that is used to measure the efficiency of milk production.

### Research

The Pasture Dairy Center serves as a research center for faculty and students from a broad range of disciplines and contributes to the knowledge base of dairy management. This helps farmers make informed decisions about alternative animal production practices. Multidisciplinary approaches provide opportunities to address a broad range of questions about ecological, social and economic topics for sustainable agricultural and food system practices.



### Pasture Irrigation



### Irrigation

The K-Line irrigation system is a low-input watering system that reduces water evaporation, run-off and promotes water conservation.

### Weather Station



Irrigation is based on monitoring soil moisture at four weather stations located within the 160 acres of pasture. Water is applied when soil moisture is less than 22%.

### Pasture

During the grazing season, lactating cows harvest much of their own feed from the pasture and deposit manure back on the pasture. During the winter, the cows are fed silage from the pasture and other crops grown at KBS.

### Cows

The dairy has about 160 lactating cows, plus dry cows and heifers. Most are US Holsteins, averaging 1400 lbs. The rest are New Zealand Friesians, averaging 800 lbs. Different sized cattle allows researchers to study the effect of cow size on milk yield, feed intake, grazing performance, and environmental impact.