



WATERMAN AGRICULTURAL AND NATURAL RESOURCES LABORATORY

Waterman is located less than a mile from Ohio State's Columbus campus. A 261-acre working farm and living laboratory, Waterman:

- encompasses a dairy farm with a 100-cow milking herd, 90 acres of research plots and demonstration gardens, a woodlot, and turfgrass research plots.
- features teaching, research, and outreach opportunities in agricultural systems management, apiculture, crop science, ecological engineering, entomology, floriculture, food sciences, forestry, horticultural and agronomic production, sustainable agriculture, and wetlands.
- is the future site of the Franklin County office of Ohio State University Extension, a new greenhouse, and a new multispecies animal facility.



HISTORY OF WATERMAN

Waterman Agricultural and Natural Resources Laboratory was originally owned by Joseph Waterman, a prominent pioneer and agricultural figure in Franklin County, Ohio. Joseph's widow, Anna, titled the property to Ohio State in 1923. At that time, the land held several barns, a corn crib, and the original Waterman home, which was located in the area currently occupied by the Rothenbuhler Honey Bee Research Laboratory. Since that original transfer, four smaller parcels have been added to the site.

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THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

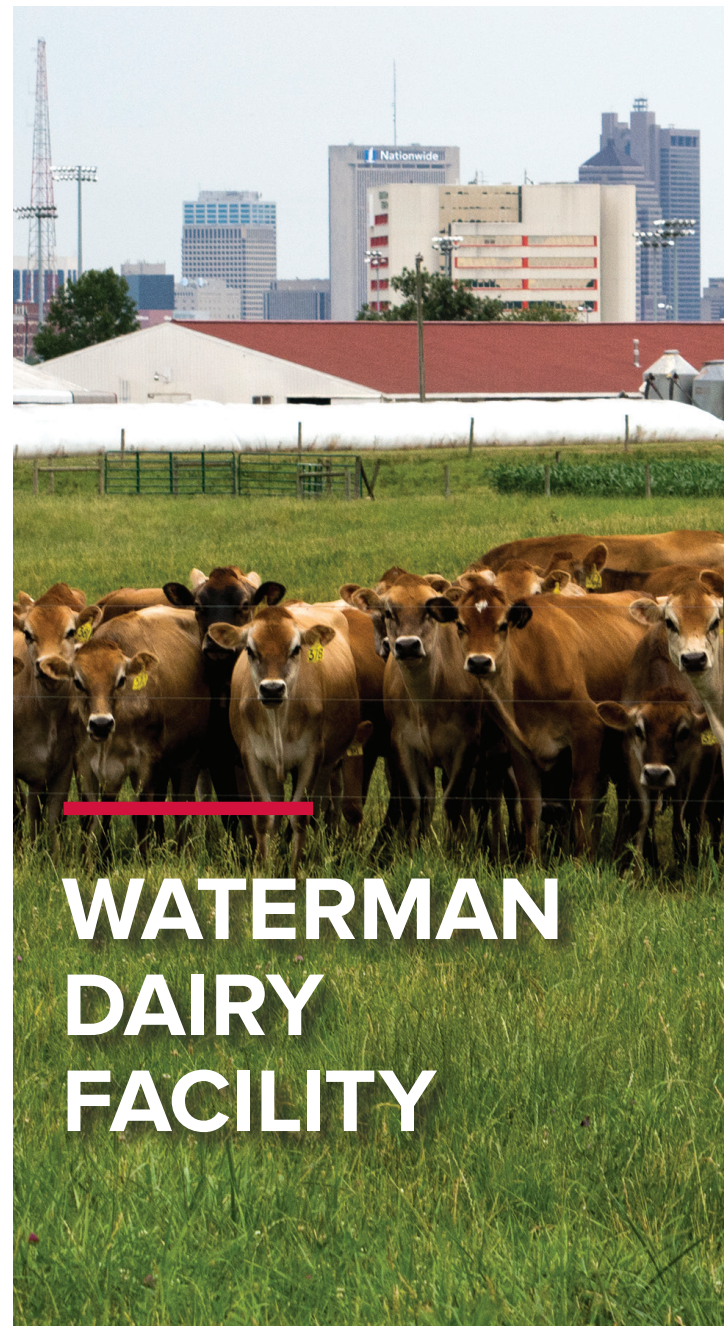
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OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
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WATERMAN DAIRY FACILITY

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The Waterman Dairy Facility maintains a 100-cow Jersey herd. Profits from the sale of high-quality, Grade A milk help support the dairy, which encompasses 122 acres of corn for silage and 45 acres of pasture. Milking is done twice daily in a double-eight herringbone parlor, and milk cows are housed in a free-stall barn with access to pasture. Replacement heifers and dry cows are kept in loose housing or are able to feed on rotationally grazed pasture. All heifer calves are raised on the farm in calf hutches while being fed milk. Waterman cattle are recognized for their high genetic merit and type, and detailed records aid in research and management.



EDUCATION

Students at The Ohio State University have access to the Waterman Dairy Facility through classes, research, and employment. Student employees and interns assist with daily activities to gain experience in general-farm and dairy-herd management. The College of Food, Agricultural, and Environmental Sciences' Department of Animal Sciences—along with the Ohio State College of Veterinary Medicine—use the dairy for the following classes:

- Introduction to Animal Sciences
- Dairy Herd Management
- Grazing Management
- Manure Management
- Palpation Lab
- Dairy Cow Lab
- Dairy Judging Class
- Animal Handling Class

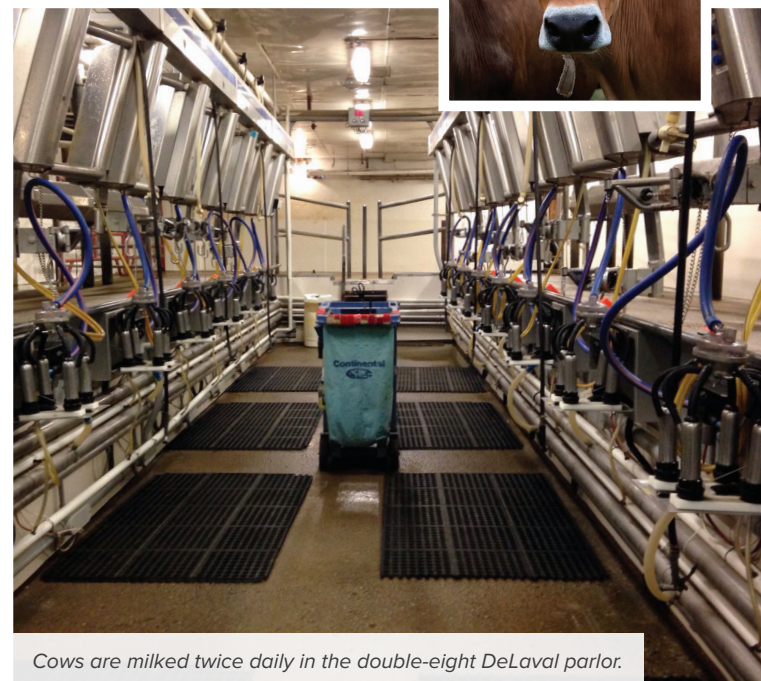
RESEARCH

Research at the Waterman Dairy Facility encompasses studies pertaining to nutrition, behavior, milk quality, heifer development, livestock emissions, reproduction, and cattle health.

OUTREACH

The Waterman Dairy Facility hosts 7,000–8,000 visitors annually. Elementary schools, youth groups, senior citizens, and industry professionals can tour the dairy to learn how Waterman manages its herd from calves to mature cows, and how parlor systems are used to comfortably and efficiently milk cows. Visitors also learn about integration of pasture management and heifer growing, as well as the future of the dairy industry.

- The dairy cattle are well accustomed to tours. Their comfort level, combined with their natural Jersey curiosity and docile temperament, allow for visitor-animal interaction.
- The dairy markets cattle through both private and public sales, selling cattle to dairy farms across the United States.



Cows are milked twice daily in the double-eight DeLaval parlor.



Aerial view of the Waterman Dairy Facility.



Milk cows enjoying fresh feed.