SPARTANS WILL.

For research center programs and activities, contact:

**MSU AgBioResearch**
Michigan State University
446 W. Circle Drive
109 Justin S. Morrill Hall of Agriculture
East Lansing, MI 48824-1039
Phone: 517-355-0123
Email: info@agbioresearch.msu.edu

For center operations, contact:

**Land Management Office**
Michigan State University
535 Chestnut Road
246 Spartan Way
East Lansing, MI 48824-3005
Phone: 517-355-3272
Web: lmo.msu.edu

There are 18 research facilities located on the south MSU campus that allow scientists to perform research in the areas of animal science and production, plant production and protection, environmental and natural resources management, and renewable energy. State-of-the-art facilities and 2,738 acres of farmland and forest allow research to be performed close to campus and the opportunity to view a number of demonstration plots in one visit. Research focuses on a prosperous and healthy future for Michigan: more nutritious food, crops produced with fewer or no pesticides, clean water, wetland preservation, land use and techniques to detect food-borne illness.
More than 125 years after its formation, Michigan State University (MSU) AgBioResearch continues as a leader in food production and security, environmental protection and alternative energy. Working in both the field and the lab, our scientists remain committed to our original agriculture experiment station mission to conduct research and development projects on behalf of farmers.

Today, we support a vast network of on-campus laboratories, as well as 13 outlying research centers across the state. These locations span from Chatham in the Upper Peninsula to Benton Harbor in southwestern Michigan. Each provides an ideal setting to conduct research in varying climate and soil conditions and with results directly applied to nearby farms.

An integral part of the College of Agriculture and Natural Resources at the nation’s pioneer land-grant university, MSU AgBioResearch continues to build upon a strong agriculture experiment station tradition that began in 1888. With valuable insight on food, energy and the environment, we strive to enhance lives of people in Michigan, across the nation and around the world.

For more information, visit agbioresearch.msu.edu.
The Clarksville Research Center (CRC) hosts research on small fruits and tree fruits as well as potatoes, chestnuts and a variety of other crops. Research at the 440-acre site includes variety development, fruit thinning and growth regulators, dwarf rootstocks for fruit trees, integrated pest management, organic production systems and new pruning practices to help make production more profitable, efficient and environmentally friendly. CRC is a valuable site for inoculated potato late blight field trials because of its isolation from potato-growing areas.
DUNBAR FOREST
12839 S. Scenic Drive, Rt. 1, P.O. Box 179, Sault Ste. Marie, MI 49783
Phone: 906-786-1575

The 5,760-acre Dunbar Forest is the largest and second-oldest MSU off-campus facility. The forest hosts long-term genetics and silvicultural studies that have helped advance the science of forest management in Michigan and the Great Lakes region. For example, red pine is the most widely planted commercial forest species in Michigan, occupying more than 850,000 acres. Successful long-term management of this important resource is based, in large part, on research results from the Dunbar Forest.

FRED RUSS FOREST
20673 Marcellus Highway, Decatur, MI 49045 • Phone: 269-731-4597

Forest products and Christmas trees are among the top 20 agricultural crops in Michigan. The 939-acre Fred Russ Forest allows researchers to conduct long-term research on Christmas tree seed production and other projects aimed at preserving the diversity and abundance of Michigan forests. The forest also features a 14-acre park that is open to the public for hiking, biking, fishing, cross-country skiing and horseback riding.
LAKE CITY RESEARCH CENTER

5401 W. Jennings Road, Lake City, MI 49651 • Phone: 231-839-4608

The Lake City Research Center includes 810 acres of managed land and 180 beef cows in a geographic area suitable for forage-based livestock enterprises, potato production and bioenergy crop production. The center is a leader in potato breeding and genetics research, with more than 60,000 seedlings grown and evaluated each year. It also supports research on forage and beef production systems that are holistic, sustainable and profitable. The center’s mission is to bring about practical, common-sense solutions to agricultural sustainability obstacles using research- and knowledge-based problem solving with the assistance of industry partners and the community.

MONTCALM RESEARCH CENTER

4629 W. McBrides Road, Lakeview, MI 48850 • Phone: 989-365-3473

Michigan potato and dry bean producers are the main beneficiaries of the research conducted at the 57-acre Montcalm Research Center. The center also leases 40 additional acres for research and demonstration projects. Research activities include potato variety evaluation, cultural practices, fertility and weed, insect and disease control. Michigan ranks sixth in the nation in potato production value and is the No. 1 producer of chipping potatoes in the country. The center is adjacent to the Burt Cargill Potato Demonstration Storage facility which consists of two buildings that, combined, house nine 50,000-pound bulk potato storages. These storages allow researchers to study the commercial potential of new processing potato varieties as well as perform other post-harvest evaluations under simulated commercial evaluation.
MSU FOREST BIOMASS INNOVATION CENTER
6005 J Road, Escanaba, MI 49829 • Phone: 906-786-1575
The 1,745-acre MSU Forest Biomass Innovation Center in Escanaba is leading a number of initiatives to increase the sustainable use of wood in Michigan’s expanding bioeconomy. This wood will come from the surplus growing in the forests and from willow and poplar energy plantations on marginal farm land in the northern parts of the state. Work focuses on increasing yields, decreasing costs, reducing greenhouse gas and energy losses, retaining rural jobs, and improving supply chain efficiencies. Research at the center also focuses on forest genetics, silviculture and forested wetland management.

NORTHWEST MICHIGAN HORTICULTURAL RESEARCH CENTER
6686 S. Center Highway, Traverse City, MI 49684 • Phone: 231-946-1510
This 100-acre center sits in the five-county northwestern region that produces almost half of the U.S. supply of tart cherries and is responsible for 83 percent of sweet cherry production in Michigan. Founded through the efforts of the northwestern Michigan area fruit industry, the center is the premier research site for integrated pest management, horticultural production and handling, value-added processing, marketing and farm financial management practices for sweet and tart cherries, wine grapes, apples, plums and hops. In addition to creating and expanding knowledge through leading-edge research on cherries and other fruits, the center disseminates state-of-the-art information to the Michigan fruit industry and the public.
Most of the dry bean and sugar beet production in Michigan is located in the Thumb and Saginaw Valley areas. Michigan is the No. 1 producer of black beans, the No. 2 producer of all dry beans and the No. 4 producer of sugar beets in the country. Research at the center has allowed Michigan producers to be national leaders in sugar beet and dry bean production, offering growers the latest information on crop management and tillage techniques, new variety trials, and pest and weed control with minimal environmental impact. In addition to dry bean and sugar beet research, studies at the 310-acre site explore other important rotational crops including corn, wheat and soybeans.

The Southwest Michigan Research and Extension Center is located in Berrien County, which is centered in the most horticulturally diverse region of the state. Breeding several types of fruit and conducting variety evaluations of numerous fruits and vegetables are just part of the work done at the 350-acre site. Additionally, research at the center focuses on evaluating production practices, including the use of high tunnels for fruits and vegetables. Woody ornamental, Christmas tree and field crop projects add to the diversity of this facility’s research program. The center hosts several indoor educational meetings and field days each year, and viewing plots during daylight hours is encouraged.
Michigan fruit producers are in competition with more than 30 fruit pests that threaten to damage their crops. The primary objective of the 156-acre Trevor Nichols Research Center is to find the best ways to keep fruit pest-free in Michigan while preserving the environment and ensuring economic viability for the state’s fruit growers. Research topics include studying performance attributes of reduced-risk pesticides, optimizing delivery systems for crop protection materials, monitoring and controlling invasive and emerging pests, and developing novel pest management tactics. The center also supports IR-4, a United States Department of Agriculture project that works with specialty crop growers, registrants and the United States Environmental Protection Agency to register products for use on specialty crops, including reduced-risk pesticides.

The Upper Peninsula Research and Extension Center was established in 1899 and serves as the hub for integrated crop and livestock research for Michigan’s Upper Peninsula. Applied research on pasture-based cattle management practices and cropping rotations is conducted in the unique environment of the U.P. Grass-based beef finishing, utilization of cover crops, hoop house farming, and alternative soil analysis methods are keystone research elements on the farm. Outreach efforts focus on expanding knowledge of local food systems by educating producers and fostering market opportunities. Complementary agronomic studies at the 1,262-acre site focus on forages and small grains. The center also coordinates numerous field trials of biomass grasses, potato varieties and corn varieties throughout the Upper Peninsula region.
W.K. KELLOGG BIOLOGICAL STATION

3700 E. Gull Lake Drive, Hickory Corners, MI 49060 • Phone: 269-671-5117

World-renowned for its contributions to ecology, evolution and sustainable agriculture, the 3,014-acre W.K. Kellogg Biological Station (KBS) is MSU's largest off-campus research and education complex and among the most prominent inland field stations in North America. KBS has modern research laboratories, greenhouses and field laboratories, including the KBS Experimental Pond Laboratory and a state-of-the-art robotic milking dairy facility at the Kellogg Farm. KBS is one of 26 National Science Foundation Long-Term Ecological Research sites. The facility also includes the Kellogg Bird Sanctuary, the Manor House and the Conference Center, all of which are open year-round.