

## Mississippi State University's Division of Agriculture, Forestry, and Veterinary Medicine, or DAFVM, is pivotal in meeting the national land-grant mission created by Congress in 1862 with the passage of the Morrill Act.

MSU was established in 1878 as the Agricultural and Mechanical College of the State of Mississippi. Its mission was to educate students in "agriculture, horticulture, and the mechanic arts." Although the university has greatly expanded its educational opportunities in a number of arts and sciences disciplines, its commitment to agriculture and natural resources has not diminished. With the passage of the Hatch Act in 1887 and the Smith-Lever Act in 1914, the Agricultural Experiment Station and the Extension Service were added as major components of the university.

Throughout the years, MSU scientific discoveries have helped to revolutionize agriculture globally. These are some examples:

- advancement of genetic studies on agriculturally important plants and animals,
- creation of anhydrous ammonia application technology,
- development of soybean, cotton, and grass varieties, and
- production and conversion of biomass to renewable energy.

To improve the lives of Mississippians, each of the division's six units focuses on the three components found on the university's official seal: learning, service, and research.

These functions are performed at MSU's main campus, four research and Extension centers, 16 branch stations, and Extension offices in all 82 counties. The clientele of the division include college students, agriculture and forestry producers, agribusiness firms, industrial firms, families, youth, local government entities, and numerous other organizations.

We are pleased to report that we are helping Mississippi grow: student enrollment in fall 2013 in the division's three colleges reached an all-time high of more than 3,100. We remain in the top 10 nationally among colleges and universities in research and development expenditures in the agricultural sciences. The farm-gate value of farm and forestry production reached a record high of \$7.6 billion in 2012.

Thank you for allowing us to work with and serve you.



Visit us online at [www.dafvm.msstate.edu](http://www.dafvm.msstate.edu).

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# DAFVM

## Division of Agriculture, Forestry, and Veterinary Medicine



MISSISSIPPI STATE UNIVERSITY™

## The College of Agriculture and Life Sciences

is home to eight departments and one school focused on teaching, research, and service. The college offers 15 majors and 47 concentrations for undergraduates, and 10 majors and 30 concentrations for graduate students. More than 2,100 students are enrolled in the college and earn nearly \$350,000 in scholarships annually.

## The College of Forest Resources

is the only nationally accredited program in the state for educating and developing future leaders in natural resources. Three departments—Forestry, Sustainable Bioproducts, and Wildlife, Fisheries, and Aquaculture—provide 11 different pathways for students to pursue, giving them the knowledge and skills needed to produce, manage, use, and sustain natural resources effectively. More than 500 students are enrolled in the college and earn nearly \$150,000 in scholarships annually.

## The College of Veterinary Medicine

is one of only 28 fully accredited colleges of veterinary medicine in the country. Faculty members integrate teaching and research to benefit their students and the people and animals they will serve. The CVM's research programs address urgent issues such as agroterrorism, bioterrorism, animal diseases, human diseases, environmental safety, food safety, and new or emerging disease pathogens. The large animal ambulatory service helps prepare students for practice in rural communities and makes more than 1,400 farm visits annually. The Animal Health Center treats almost 24,000 animals each year. Diagnostic labs in Starkville, Pearl, and Stoneville annually receive 68,000 submissions and conduct about 342,000 tests.

## The Forest and Wildlife Research Center

provides the only program of research in Mississippi focused on managing and using forest, wildlife, fisheries, and water resources while protecting and enhancing the natural environment associated with these resources. The Forest and Wildlife Research Center provides scientifically based solutions to many of the economic and environmental issues facing our state and nation.

## The Mississippi Agricultural and Forestry Experiment Station

takes pride in research efforts that benefit producers of livestock, row crops, and forages, to name a few. MAFES scientists are developing new energy sources from trees, grasses, sewage, and experimental crops. The National Science Foundation ranks MSU ninth among all institutions for agricultural science research and eighth for federally funded agricultural research expenditures. MAFES research focuses on economic development, improved nutrition, food safety, human health, and industry needs. About 80 percent of the university's patent income is from MAFES-patented turfgrass. The Rose Bowl field, the Arizona Diamondbacks field, and several prestigious golf courses use this turf.

## The MSU Extension Service

educates and empowers people to make intelligent decisions relating to their vocations, their families, and their environment. MSU's 4-H youth development program is one of the best in the nation with more than 100,000 youth enrolled. Each year, Extension hosts a wide variety of short courses and field days to provide guidance based on the most recent agricultural research findings. Extension personnel and volunteer groups are leaders in recovery efforts following disasters that impact the state, including tornadoes, hurricanes, flooding, and the Gulf oil spill.