As a land-grant university, Clemson is part of a national system created by the U.S. Congress to improve the quality of life for citizens in every state through teaching, research and Extension. The university’s statewide Public Service and Agriculture (PSA) network conducts research, Extension and regulatory programs that improve and protect economic prosperity and well-being for all South Carolina citizens.

Clemson PSA’s six Research and Education Centers develop relevant, unbiased, research-based knowledge.

Clemson’s Experiment Station is part of a nationwide system of research facilities and scientists working to improve the quality of life for people in their home state, the nation and the world.

Clemson Experiment Station comprises six research and education centers strategically located in South Carolina’s distinct soil and climate regions where scientists develop relevant, research-based knowledge to strengthen the agriculture, forestry and natural resources industries.

Cooperative Extension delivers science-based information through a system of offices and agents covering all 46 counties in South Carolina.

Livestock Poultry Health safeguards the health and safety of livestock/poultry industries and companion animals, and protects the food supply and public health of South Carolinians.

Regulatory Services ensures the safe, effective use of fertilizers and pesticides, and the quality of seeds and plants grown in the state, and conducts programs that prevent agroterrorism.

Clemson University’s LaFleche Dairy Farm unveiled a DeLaval VMS V300 fully robotic milking system that will serve as a training, research and educational facility supporting the state’s dairy industry. “The dairy of the future” comes at a time when the dairy industry is suffering from low profitability caused by a number of factors, including high labor costs.

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EXTENSION
100,141: youth and families reached through 4-H programming
10,999: total Extension programs given through SC
2,811,857: unique hits to Clemson Extension’s Home & Garden Information Center website
LIVESTOCK-POULTRY HEALTH
914: inspections at livestock auction markets, after-hours markets, dealers and miscellaneous sales
252: letters issued enabling international poultry exports
92,887: tests and procedures performed by Veterinary Diagnostic Center
REGULATORY
4,223: samples processed by Plant Pest Diagnostic Clinic
59,171: samples tested by Agricultural Services Laboratory
98: percentage of the state’s seed lots inspected in the field
EXPERIMENT STATION
130: number of research proposals funded externally
123: number of graduate students recruited and retained
32,000: total acreage of Research and Education Centers
$14.17 million: total research dollars awarded to Experiment Station faculty and faculty with Experiment Station appointments

Eighty-two percent of people participating in Extension educational programming report seeing a significant gain in knowledge.

Extension Emerging Leadership Initiative (EELI) grooms Clemson Cooperative Extension Agents to become statewide leaders and influencers in the agribusiness, natural resources and youth development program areas and industries.
Natural resource-based sectors contribute $33.4 billion in economic activity annually to the S.C. economy and are responsible for 218,719 jobs. Forests cover 13 million acres, including 7.2 million acres of private non-corporate forestland owned and managed by 207,000 family forest owners. S.C.’s growing population and increased urbanization and the sustainable management of these natural resources requires quality research and effective Extension programs designed to impart the latest science-based information to forestland owners across all regions of the state. The requested funding will be used to hire Extension personnel tasked with broadening the scope and strengthening the capacity of Clemson Extension’s natural resources youth programs and expanding expertise to maintaining and increasing the competitiveness of S.C. fruit and vegetable growers.

**STATEWIDE FORESTRY AND WILDLIFE EXTENSION**

#3 RECURRING REQUEST: $767,800

Clemson PSA’s six Research and Education Centers (RECs) are home to teams of scientists performing transformative research that helps build the S.C. agribusiness economy, conserve the state’s environment and natural resources, and improve the nutritional quality and safety of the food supply. In order to fulfill its research mission, Clemson PSA must add talented and accomplished graduate students. The requested funding will allow Clemson PSA to add new housing for students and visiting scientists and renovate existing housing currently available at each of the RECs across S.C.

**SANDHILL REC RESEARCH AND EXTENSION BUILDING REPAIRS**

#3 NONRECURRING REQUEST: $990,000

Sandhill Research in Education Center in Columbia, was established in 1926 to conduct agricultural research in the Sandhill Region of the state. Today, research efforts at the Sand Hill REC continue to support the state’s $41.7 billion agribusiness industry. The requested funds will be used for needed upgrades and repairs to one of the REC’s original 1920s buildings to allow the building to be used for integrative office space for its research, Extension and regulatory activities.

**FACILITY RENOVATION FOR WATER RESEARCH**

#4 NONRECURRING REQUEST: $2 MILLION

Clemson University’s South Carolina Water Resources Center (SCWRC) is a multi-disciplinary, cross-college research organization focusing its efforts on understanding the real-time fluctuation of S.C. water resources and providing state agencies with information they need to make unbiased, research-based decisions about S.C. water resources policy. The requested funding will be used to complete a renovation that will make possible overall building repairs and renovations and feature new laboratory and computer equipment for water quality analysis, sensor development and monitoring and technology for virtual meetings, on-site trainings and webinars across the state and with Southeast-partnering universities.

**STATEWIDE COMPREHENSIVE EXTENSION PROGRAM SUPPORT**

#1 RECURRING REQUEST: $1.127 MILLION

Our request includes operating funds that will allow Clemson Cooperative Extension to serve a growing South Carolina population and add agents in critical areas such as forage-based livestock, sustainable agriculture, controlled-environment agriculture and an organic farm manager.

**CRITICAL FRUIT & VEGETABLE RESEARCH**

#2 RECURRING REQUEST: $1.44 MILLION

Advancing the state’s fruit and vegetable economy requires agricultural scientists committed to conducting innovative research to meet fluctuating market demands and constituent needs. Clemson agricultural scientists are also the foundation of successful applications for research grants and contracts with the USDA, state commodity boards, the Environmental Protection Agency and other key groups. These funds will be used to hire scientists and research technicians with expertise to address key challenges to maintaining and increasing the competitiveness of S.C. fruit and vegetable growers.

**PEE DEE REC GREENHOUSE CONSTRUCTION**

#2 NONRECURRING REQUEST: $2 MILLION

Clemson’s Pee Dee Research and Education Center conducts research focused on developing new crop cultivars with genetic traits adapted to S.C. and Southeast growing conditions. These improved cultivars are drought and pest tolerant and allow farmers to maximize crop yields while reducing inputs such as water, fertilizer and pesticides. The requested funds will be used to build three research quality greenhouse facilities specifically designed to support Clemson’s plant breeding programs and allow Clemson University scientists to continue making plant technology breakthroughs.

**RESEARCH AND EDUCATION CENTER GRADUATE SCHOOL HOUSING**

#1 NONRECURRING REQUEST: $4 MILLION

Clemson PSA’s six Research and Education Centers (RECs) are home to teams of scientists performing transformative research that helps build the S.C. agribusiness economy, conserve the state’s environment and natural resources, and improve the nutritional quality and safety of the food supply. In order to fulfill its research mission, Clemson PSA must add talented and accomplished graduate students. The requested funding will allow Clemson PSA to add new housing for students and visiting scientists and renovate existing housing currently available at each of the RECs across S.C.