

facts about . . .

North Carolina Agricultural Research Service

College of Agriculture and Life Sciences

North Carolina State University

The mission of the NCARS is to develop the knowledge and technology needed to:

- Improve productivity, profitability and sustainability of industries in agriculture and the life sciences;*
- Conserve and improve the state's natural resources and environment;*
- Improve the health, well-being and quality of life of North Carolina's citizens;*
- Provide the science base for research and extension programs.*

Scope

- Federal: 1887 legislation links N.C. State to the land-grant system and USDA-Cooperative State Research, Education and Extension Service; NCARS collaborates with USDA's Agricultural Research Service
- State: the principal agency for research in agriculture and the life sciences, in partnership with N.C. A&T State University, the N.C. Department of Agriculture and Consumer Services and UNC-Greensboro
- College: coordinating research in 18 departments, 18 centers and working in partnership with college extension and teaching programs

Facilities

- Research laboratories, greenhouses, Phytotron, Biological Resources Center, Pesticide Residue Laboratories, Genomic Sciences Laboratory, the Animal and Poultry Waste Management Center, Feed Mill, Aquaculture Facility, Land Application and Structural Pest Training Center, Metabolomics and Proteomics Laboratory, Plant Transformation Laboratory, Fruit and Vegetable Science Institute (N.C. Research Campus)
- 10 field laboratories — six near campus and others at Butner, Aurora, Hillsborough and Wallace

Facilities off-campus

- Regional research and extension centers at Mills River (formerly Fletcher), Plymouth, Kinston and Castle Hayne
- 18 research stations across North Carolina — six owned by NC State and 12 by the N.C. Department of Agriculture and Consumer Services
- Center for Environmental Farming Systems at Goldsboro in cooperation with the N.C. Department of Agriculture and Consumer Services and N.C. A&T State University

Personnel

- 1,172 full-time equivalent positions involving scientists, graduate students, researchers, technicians, clerical workers and bookkeepers

Priorities

- Innovation in crop production to create a competitive advantage
- Applied genomics in plant and microbial systems
- Structural biology, metabolomics and systems biology
- Quantitative, computational biology and bioinformatics
- Plant breeding and applied genomics
- Aquaculture, fisheries and livestock biology and genomics
- Integrated crop protection systems
- Bioprocessing and value enhancement of crops
- Ornamentals, turfgrasses, small fruits and vegetables
- Food quality, safety and security
- Animal nutrition
- Sustainable and organic farming systems
- Ecology and animal welfare, including behavioral biology
- Conservation and protection of natural resources

For more information

Visit us on the Web at www.cals.ncsu.edu, e-mail us at cals_research@ncsu.edu or call 919.515.2717