NC State Research + Extension

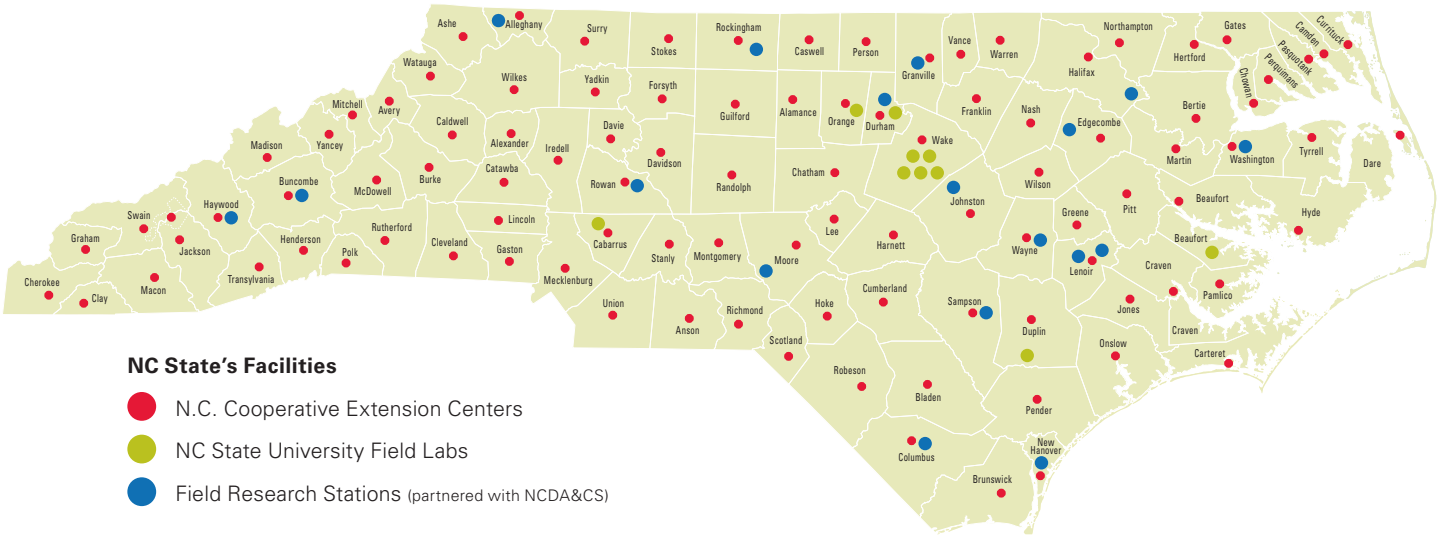
We Grow North Carolina

We don't stop at the lab.
We put research into action at field labs and Extension offices across the state.

We improve N.C.'s top cash crops

— including sweet potatoes, peanuts, blueberries, cucumbers, peaches and Christmas trees —

adding billions to N.C.'s economy.



NC State's Facilities

- N.C. Cooperative Extension Centers
- NC State University Field Labs
- Field Research Stations (partnered with NCDA&CS)

AG RESEARCH + EXTENSION = IMPACT ON NC

every $1
spent on research
= $19.90
in economic benefit

1,058 strong
across N.C. create
$2.1B
in economic impact

11,200
jobs generate
$560M
in wages

NC STATE UNIVERSITY College of Agriculture and Life Sciences

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Competitive Research: The Capacity to Think and Do

Thank you for your enhanced support.

Saving Our Sweet Potatoes

When a microscopic worm, known as the Guava Root-Knot Nematode (GRKN), took root in the soils of North Carolina and threatened the nation's largest source of sweet potatoes, NC State researchers and Extension specialists launched an aggressive training and infected-crop identification program that's helping save our state's $350 million sweet potato industry.
go.ncsu.edu/GRKN

Blueprint for Better Blueberries

North Carolina is the nation's sixth largest producer of blueberries, and thanks to a USDA-NIFA grant, genomics researchers at NC State could soon provide our farmers a blueprint for better berries. The research will use DNA-based information to develop solutions that increase blueberry production while also improving consumer-focused quality attributes like firmness, flavor, shelf life and appearance.
go.ncsu.edu/BetterBlueberries

The Gift of Christmas Tree Research

Genetics research on a Christmas tree orchard at the Upper Mountain Research Station will provide North Carolina growers with a reliable source of certified Fraser fir seeds. Christmas tree growers will be able to select seeds based on the characteristics that consumers and farmers want, which stands to provide a major boost to the state's $86 million Christmas tree industry.
go.ncsu.edu/ChristmasTrees

Transforming Sludge into Energy

What if sludge from swine lagoons could be used not only as fertilizer, but also for renewable energy? Because sludge is made up of organic matter that was not fully broken down during treatment, it has the potential to be utilized as a bioenergy feedstock. In two-year's time, we will develop and evaluate economic systems for sludge removal and drying, and characterize the dried sludge as a fertilizer and a combustion feedstock.
go.ncsu.edu/Sludge2Bioenergy

Improving Agriculture Through Plant Science Innovation

Partnering with commodity groups, agribusinesses, startups and government agencies, the N.C. Plant Sciences Initiative is bringing together bright minds from all disciplines to increase crop yields, enhance sustainability and grow profitability.
cals.ncsu.edu/psi