VIRGINIA AGRICULTURAL EXPERIMENT STATION
REYNOLDS HOMESTEAD FOREST
RESOURCES RESEARCH CENTER
VIRGINIA TECH

Virginia Cooperative Extension
Virginia Tech • Virginia State University

Building on the land-grant commitment to develop leaders, share knowledge, and invest in ecological resilience with hands-on applications to help Virginia thrive, the College of Agriculture and Life Sciences strives to enhance:

Workforce Development for Economic Prosperity. Drive economic resilience with student learning experiences, educating career-ready graduates who support Virginia's #1 industry: agriculture.

Resource Stewardship. Protect Virginia's vital natural resources through evidence-based stewardship, leaving healthier land, water, and air for future generations.

Human and Ecological Health. Improve health and resilience of people, communities, plants, and animals across Virginia from the scientific front line.

Understanding and Communication. Confront Virginia's most pressing challenges through research in agriculture, life sciences, and community engagement.

CALS supports a collaborative network of:

11 Agricultural Research and Extension Centers (AREC), 107 Virginia Cooperative Extension offices, and six 4-H educational centers throughout Virginia in cooperation with Virginia Agricultural Experiment Station and Virginia Cooperative Extension.

10 Academic Departments for 3,600 associate, undergraduate, and graduate students in 68 unique programs of study.

Over $500,000 in **public-private partnership** support annually.

LEARN MORE

cals.vt.edu

REYNOLDS HOMESTEAD

Forest Resources Research Center

407 Homestead Lane, Critz, VA 24082 | (276) 694-4135
arec.vaes.vt.edu/arec/reynolds-homestead

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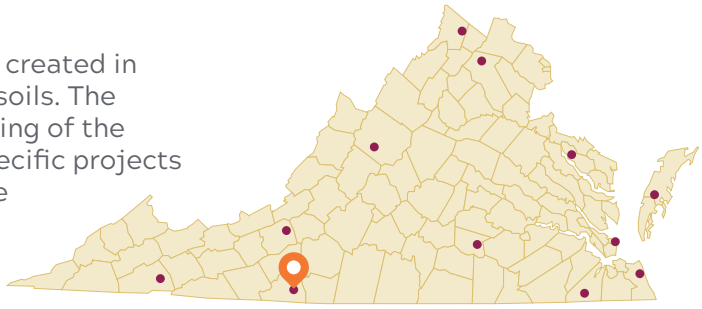
ABOUT THE REYNOLDS HOMESTEAD FRRC

The Reynolds Homestead Forest Resources Research Center was created in 1969 to study forest biology, including genetics, physiology, and soils. The AREC was founded to serve a void that existed in our understanding of the biological and physical relationships of the forest ecosystem. Specific projects include harvesting to increase forest health and productivity, site preparation, forest fertilization, loblolly pine physiology, and forest herbicide testing.



RESEARCH AND EXTENSION PROGRAMS

- Silviculture
- Forest genetics
- Forestry BMP's
- Christmas trees

INDUSTRY PARTNERS

- Forest productivity coop
- Forestry herbicide industry
- Tree farmer associations

FACILITIES

- 780 contiguous acres
- 2 greenhouses, slat house, coolers, cold frame, and tractor sheds
- Lab space, offices, student, and superintendent housing

INNOVATIVE TECHNOLOGIES

- Plant canopy analyzer
- Tree genomics

Improving Pine Productivity with Better Data: Regionwide loblolly pine data help forest managers choose optimal varieties and planting densities, improving profitability while supporting better environmental outcomes.

Smarter Weed Management for Forestry: Research on new weed-management products helps forest companies accelerate tree growth while reducing environmental impacts across a $20 billion industry.

LEARN MORE

bit.ly/47Q2wC8

OUR COLLABORATORS INCLUDE: USDA, CORTEVA agriscience, FOREST PRODUCTIVITY COOPERATIVE

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