VIRGINIA AGRICULTURAL EXPERIMENT STATION
HAMPTON ROADS AGRICULTURAL RESEARCH AND EXTENSION 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

HAMPTON ROADS
Agricultural Research and Extension Center

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arec.vaes.vt.edu/arec/hampton-roads | HAMPTONROADSAREC

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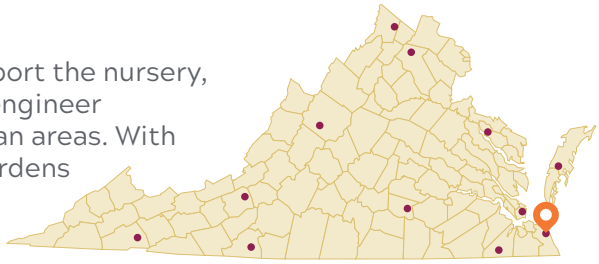
ABOUT THE HAMPTON ROADS AREC

Hampton Roads conducts research and extension programs that support the nursery, greenhouse, landscape, and small fruit industries. Their stormwater engineer examines best management practices and modeling of rainfall in urban areas. With over 100 Master Gardner and other volunteers, our demonstration gardens are open to the public year-round.



RESEARCH AND EXTENSION PROGRAMS

- Nursery crops
- Pest management
- Small fruit production
- Stormwater management
- Turfgrass maintenance
- Greenhouse Production

INDUSTRY PARTNERS

- Nursery industry
- Lawn care
- Landscape industry
- Strawberry producers
- Greenhouse Industry

FACILITIES

- 7 laboratories
- 8 greenhouses
- 3 classrooms
- Container and field research areas
- 10 Acres of Demonstration Gardens

INNOVATIVE TECHNOLOGIES

- Anaerobic soil disinfestation
- Digital image analysis
- Solar-heated greenhouse
- Stormwater modeling
- Use of drones

Expanding Hands-On Learning Facilities: More than $50,000 in successful grants support demonstration garden improvements, including educational signage, labels, road access, and new picnic tables for classes and events.

Protecting Soils as Solar Development Expands: Stormwater monitoring is guiding best management practices that minimize runoff, soil disturbance, and damage to agricultural and forest soils as utility-scale solar expands in Virginia.

Helping Nurseries Cut Production Costs: Research-based irrigation, substrate, and fertilization practices shared through grower workshops could save an estimated $40,000 per nursery – nearly $1 million in total economic impact if adopted.

OUR COLLABORATORS INCLUDE:

USDA
Virginia Turfgrass Foundation
Virginia Greenhouse Growers Association
Virginia Turfgrass Council
Horticultural Research Institute – The AmericanHort Foundation
VNLA Virginia Nursery & Landscape Association
AmericanHort

LEARN MORE
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VT/1026/AREC-297