VIRGINIA AGRICULTURAL EXPERIMENT STATION
EASTERN SHORE 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

EASTERN SHORE
Agricultural Research and Extension Center

33446 Research Drive, Painter, VA 23420 | (757) 807-6586
arec.vaes.vt.edu/arec/eastern-shore

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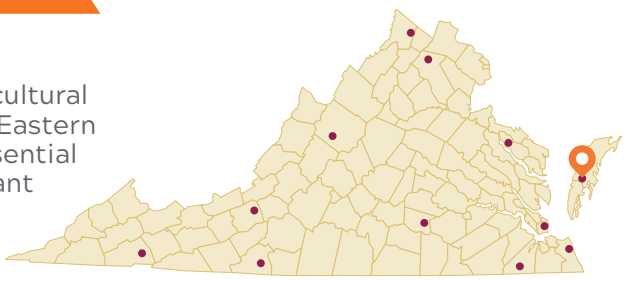
ABOUT THE EASTERN SHORE AREC

Established in 1956, the Eastern Shore AREC grows more than 25 agricultural crops annually for research and Extension studies. To ensure that the Eastern Shore remains a leader in commercial agricultural production, it is essential that new, state-of-the-art applied research is conducted that is relevant to local large and small-scale farming operations.



RESEARCH AND EXTENSION PROGRAMS

- Soils & Nutrient Management
- Weed Management Technologies
- Integrated Pest Management
- Horticultural Cropping Systems
- Vegetable and Grain Disease Epidemiology

INDUSTRY PARTNERS

- Commercial Fruit and Vegetable Producers and Packers
- Potato, Vegetable, Corn, Small Grains and Soybean Associations
- Agricultural Fertilizer, Technology, and Chemical Companies
- Virginia Master Gardeners
- USDA-Natural Resources Conservation Services
- Soil & Water Conservation Districts

FACILITIES

- 220-acre farm
- 7500 sq. ft. Modern Equipment Building
- 2700 sq. ft. Renovated Greenhouse
- 3 Biosafety Level 2 Laboratories
- Onsite Student Housing

INNOVATIVE TECHNOLOGIES

- Unmanned Aerial Vehicles (UAVs) for assessing plant health & weed management
- Fertilizer source and application technologies
- Molecular Identification of Plant Pathogens
- Advanced Pollinator Habitats
- Sensor Based Irrigation Technologies

Detecting Crop Disease Before Losses Escalate: Plant pathology diagnostics helped avoid an estimated $1.6 million in potato losses and $2 million in snap pea losses, while updated disease recommendations support Virginia's $184 million specialty-crop industry.

Recycling Nutrients to Cut Fertilizer Costs: Research on using cover crops to cycle soil nutrients in grain systems could save an estimated $21 million annually in fertilizer costs across Virginia.

LEARN MORE

bit.ly/3MyayHC

OUR COLLABORATORS INCLUDE: USDA, Loudoun SWCD Soil & Water Conservation District, Extension Master Gardeners

Virginia Agricultural Experiment Station is a partnership of Virginia Tech and the U.S. Department of Agriculture (USDA) and is an equal opportunity employer. For the full non-discrimination statement, please visit https://www.vaes.vt.edu/accessibility.html.

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