VIRGINIA AGRICULTURAL EXPERIMENT STATION
EASTERN VIRGINIA 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 VIRGINIA
Agricultural Research and Extension Center

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arec.vaes.vt.edu/arec/eastern-virginia | VTEVAREC | VT_EVAREC

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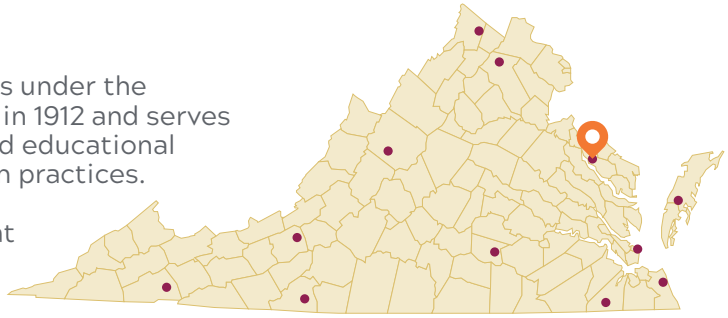
ABOUT THE EASTERN VIRGINIA AREC

Eastern Virginia AREC in Warsaw, Virginia, is one of 11 ARECs under the Virginia Agricultural Experiment Station. It was established in 1912 and serves Virginia's grain and soybean industries through research and educational programs leading to improved varieties and crop production practices. Our research objectives are to support Virginia's grain and soybean producers through applied agronomic research that enhances their bottom line, and to support the Virginia Tech small grain and soybean breeding programs.



RESEARCH AND EXTENSION PROGRAMS

- Soybean/wheat agronomics
- Corn/soybean/wheat variable rate fertility and seeding ROI
- Small grain breeding (soft red winter wheat, malting barley)
- Soybean breading for feed and food grade applications
- Agronomics of faba bean production

INNOVATIVE TECHNOLOGIES

- RTK GPS equipped tractors
- Drones and sensors for nutrient management and high throughout phenotyping
- In-field digital data collection
- Real-time weather data accessible via smartphone app

FACILITIES

- 215 acres of crop land
- Small plot equipment (planter, combine, etc)
- Modern seed lab and shop space

INDUSTRY PARTNERS

- Corteva Agriscience
- JoMar Seeds
- Virginia Crop Improvement Association
- Virginia Farm Bureau Grain Marketing

Finding the Right Time to Plant: Drone-based remote sensing helps growers adjust planting dates as climate variability changes traditional windows, with potential yield gains valued at $111 per acre.

Getting More from Fertilizer Investments: Research on variable-rate fertilization helps corn and soybean growers determine whether this developing precision-agriculture practice can deliver a worthwhile return.

Breeding Better Soybeans for Virginia: The soybean breeding program develops conventional and specialty varieties suited to Virginia growing conditions, helping farmers improve yield and quality while reducing production risks and costs.

Eastern Virginia Crop Talk

SCAN TO LISTEN

Listen on Spotify

OUR COLLABORATORS INCLUDE: USDA, VCPA, Virginia Soybean Association, Virginia Small Grains Board, VSB Virginia Soybean Board

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