



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 2,700 undergraduate, graduate, and professional students within 68 unique programs of study.



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

LEARN MORE



MIDDLEBURG

Agricultural Research and Extension Center

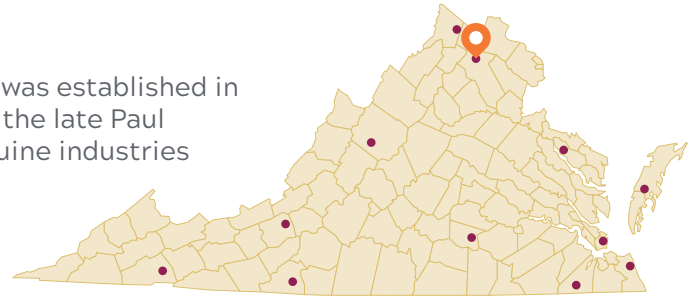
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VIRGINIA AGRICULTURAL EXPERIMENT STATION
MIDDLEBURG AGRICULTURAL
RESEARCH AND EXTENSION CENTER
VIRGINIA TECH

ABOUT THE MIDDLEBURG AREC

The Middleburg Agricultural Research and Extension Center was established in 1949 through the generous donation of land and facilities by the late Paul Mellon. Our mission is to serve Virginia's agricultural and equine industries through state-of-the-art research based education, applied science, youth engagement and community support.



RESEARCH AND EXTENSION PROGRAMS

- Land stewardship
- Natural resource conservation
- Ecosystem management
- Beef Cattle Health and Disease
- Forage Management
- Equine and beef cattle pasture management
- Equine nutrition, exercise physiology
- Equine health and disease

INNOVATIVE TECHNOLOGIES

- Wearable technology for livestock
- Virtual fencing
- Soil and Forage analysis

FACILITIES

- 420 acres
- Exercise and nutrition barns
- 55 acres of wildlife habitat
- Pollinator habitat and native warm season grass meadows
- Office and conference space

INDUSTRY PARTNERS

- Beef Cattle Nutritionists
- Agriculture Technology Companies
- Agricultural Land Management Companies
- Local school, government, and conservation non-profit groups

Educating the Next Generation of Natural Resource Stewards: Partnerships with 16 local schools and youth programs promote environmental protection through hands-on learning, including stream restoration and pollinator habitat projects.

Practical Support for Producers and Horse Owners: In 2024, we provided guidance to 1,140 Virginia farmers and horse owners, helping them maintain productivity and economic viability amid rising costs.

Supporting a \$1.3 Billion Equine Industry: Demonstrations for federal and state employees and equine owners promote healthier body condition, joint health, hooves, and digestion in horses statewide.

LEARN MORE



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OUR COLLABORATORS INCLUDE:



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