VIRGINIA AGRICULTURAL EXPERIMENT STATION
MIDDLEBURG 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

MIDDLEBURG

Agricultural Research and Extension Center

5527 Sullivans Mill Road, Middleburg, Virginia 20117 | (540) 687-3521
arec.vaes.vt.edu/arec/middleburg | MARECenter

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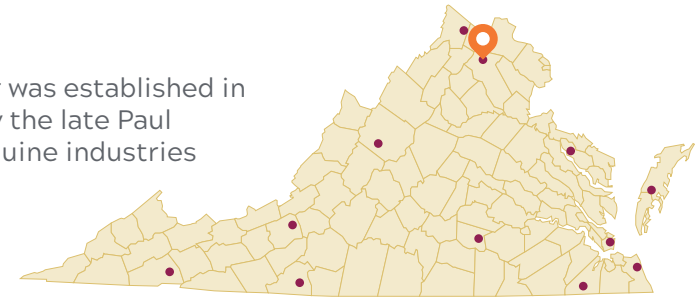
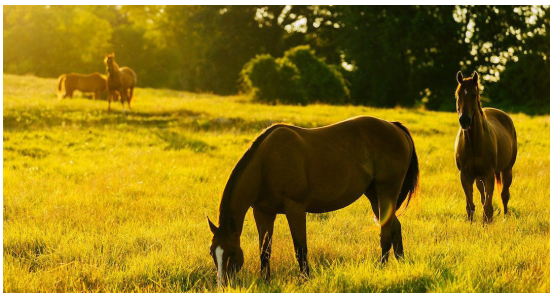
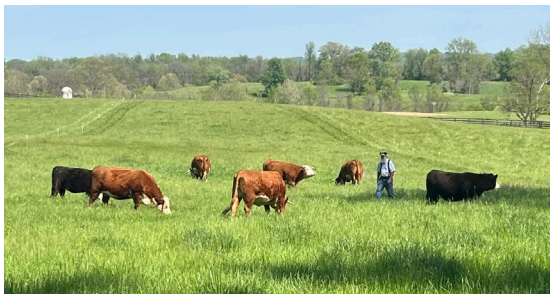
ABOUT THE MIDDLEBURG AREC

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

Supporting Virginia's $1.3 Billion Equine Industry: Research on grazing strategies and compostable bedding helps horse owners support animal health while reducing erosion and improving soil and pasture health.

Reducing Grazing Costs with Virtual Fencing: Early research shows virtual fencing can improve pasture use while reducing labor and fuel costs, giving livestock producers a practical tool to increase grazing efficiency and environmental stewardship.

LEARN MORE

bit.ly/48aCkCf

OUR COLLABORATORS INCLUDE: USDA, Virginia Working Landscapes, Loudoun SWCD Soil & Water Conservation District, VFGC, John Marshall Soil & Water Conservation District, Fauquier Agriculture Home Grown, Loudoun Virginia Economic Development, The Hill School Middleburg, Virginia – Est. 1926

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