

# UNIVERSITY OF MARYLAND EXTENSION

TRUSTED RESEARCH DELIVERED BY LOCAL EXPERTS



## 2018 ANNUAL REPORT

University of Maryland  
Extension engages over

**250,000**

Marylanders with  
our faculty, staff, and

**5,000+**

volunteers, and over

**2,000**

partnerships.

University of Maryland Extension  
2018 Accomplishments  
[extension.umd.edu](http://extension.umd.edu)

## The University of Maryland Extension County, State, and Federal Partnerships



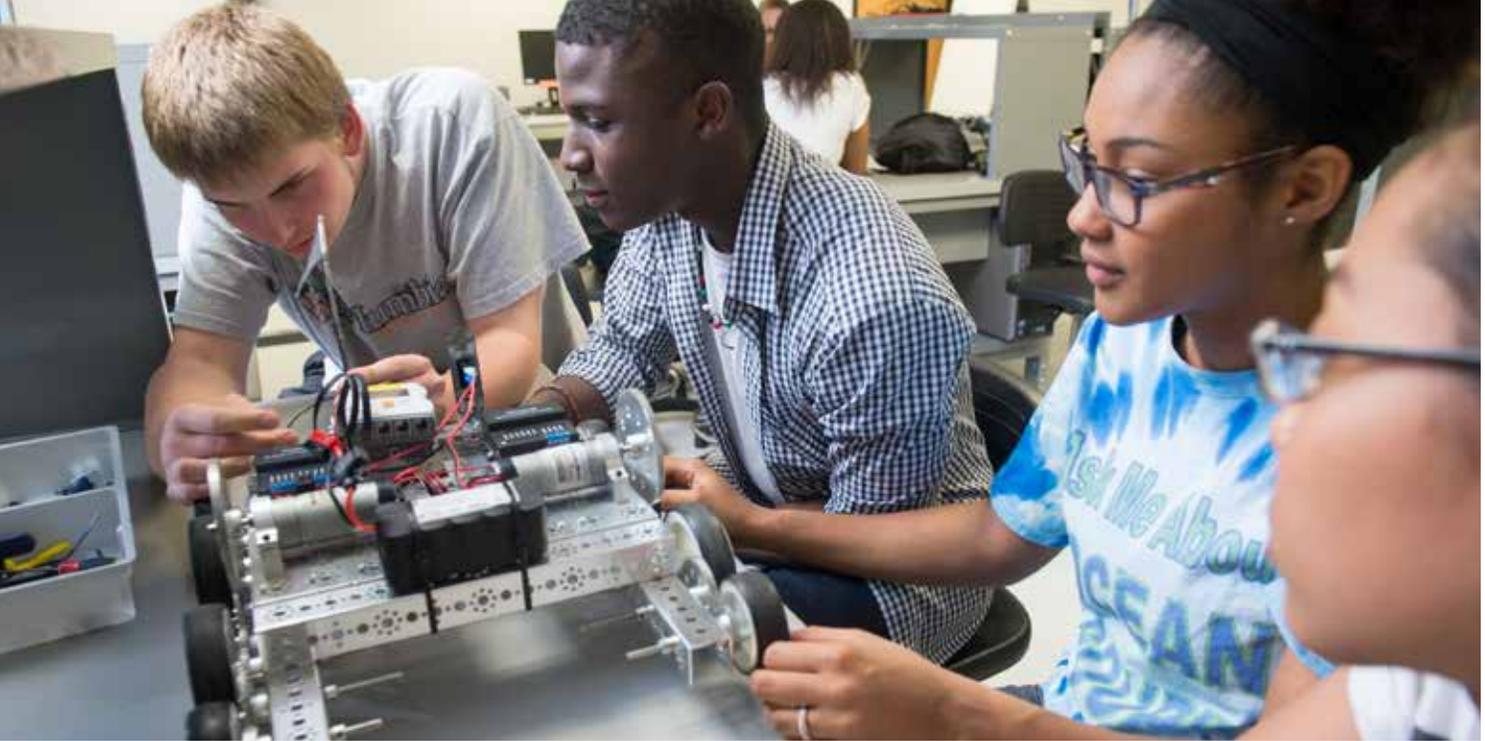
UNIVERSITY OF  
MARYLAND  
EXTENSION

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**The University of Maryland Extension** provides research-based, informal education to citizens of the state of Maryland through generous support from its county partners. Educational programs cover a range of topics, including agricultural production, watershed preservation, and natural resources, food safety, nutrition and healthy lifestyles, youth development, volunteer development, urban agriculture, and agricultural nutrient management. These educational and training programs

provide current, practical information through workshops, seminars, clinics, camps, displays, and newsletters.

The University of Maryland Extension represents a partnership of county governments, the University of Maryland College of Agriculture and Natural Resources, and the U.S. Department of Agriculture. We are glad to share with you this summary of our 2018 activities and accomplishments that improve quality of life for the residents of Maryland.



## 4-H Youth Development

The UME 4-H Youth Development Program provides a supportive setting for youth to reach their fullest potential. Children learn beneficial cognitive and life skills through community-focused, research-based, experiential educational programs. Participation is open to all youth ages 5-18.

4-H has a 100-year tradition of voluntary action through strong public-private partnerships at federal, state, and community levels. Local volunteer leaders partner with UME faculty and staff to provide direct leadership and educational support to young people in urban, suburban, and rural communities.

4-H youth develop relationships that inspire people to voluntarily help themselves and others as they interact with caring adults and peers.

### 4-H Program Areas Include:

- Science, Engineering, and Technology
- Healthy Living
- Civic Engagement and Leadership
- Volunteer Development

### Maryland 4-H Six Priority Areas:

- Building community and civic engagement
- Developing leadership skills for life
- Nurturing social empowerment and resilience
- Improving college and workforce readiness
- Fostering exploration and creativity in arts and sciences
- Promoting healthy lifestyles and self-acceptance



## 2018 HIGHLIGHTS

### Total Enrollment

**74,441**

### Number of AGsploration Program Participants

Emphasis on Agriculture Literacy and STEM Skills

**3,290**

### Youth Enrolled in STEM Projects

**54,842**

### Youth Enrolled in Healthy Living Projects

**31,289**

### Certified 4-H Volunteer Hours

**3,100**





## 2018 HIGHLIGHTS

### Women in Agriculture Webinars (2014-2018)

**105** with  
**7,967** Registrants

### Updated Nutrient Management Plans

**5,028**

### Total Acres Covered by Nutrient Management Plans

**222,373**

### Educational Programs and One-on-One Consultations

**47,000+** including  
**15,000** Youth

### Training Participants Across Commercial Horticulture Industry

**2,000+**

## Agriculture

Agriculture is the largest private industry in the state, comprised of row-crop production, commercial horticulture, poultry, dairy, and other livestock. The University of Maryland Extension Agriculture and Food Systems Program serves Maryland producers and communities by translating fundamental research into applied research and education programs that Marylanders can use. The 37 agriculture educators have a physical presence in Maryland's 23 counties and Baltimore City. In 2018, these educators had over 47,000 direct contacts through educational programs and one-on-one consultations, 15,000 of which were youth.

### Highlights, Impacts, and Outcomes

- Agriculture Extension provides poultry biosecurity training to help producers manage risks such as avian influenza that could decimate the billion-dollar poultry industry.<sup>1</sup>
- A team from University of Maryland Extension, University of Delaware Extension, and Virginia Tech conducted applied research and educational programming on herbicide-resistant weed management throughout the region.
- Conducted training for over 2,000 participants from the commercial horticulture industry, which includes fruits and vegetables, ornamentals such as trees and shrubs, and landscaping.
- The Agricultural Law Education Initiative (ALEI), a collaboration of the University of Maryland Baltimore, the University of Maryland, College Park, and the University of Maryland Eastern Shore, identifies the legal needs of Maryland farm families and devises strategies to meet them. The ALEI is an MPowering the State program.

- Over the past 10 years, Annie's Project has served 631 women producers farming over 128,000 acres.
- Agriculture and Food Systems Extension and the Maryland Association of Soil Conservation Districts performed four Farmer Mental Health Management Workshops across Maryland to train frontline agricultural workers on how to get troubled farmers the assistance they need. Sponsored by the Rural Maryland Council and Franklin P. and Arthur W. Perdue Foundation.
- Agriculture and Food Systems Extension works with urban producers and agricultural entrepreneurs in Baltimore who need research-based educational programs geared toward the unique production, soil, and business challenges urban farmers face.

<sup>1</sup> Agriculture in Maryland Summary for 2017, USDA NASS





## Family and Consumer Sciences

University of Maryland Extension (UME) educators in Family and Consumer Sciences (FCS) deliver education and outreach programs to help ensure that all Maryland residents are healthy and economically successful at every stage of life. UME FCS engages in and facilitates innovative educational programs and applied research that improve health, well-being, and quality of life for Marylanders. In partnership with agencies and organizations, FCS educators are committed to providing research-based educational programs to consumers and families from diverse backgrounds. FCS also trains community health workers, state and local agency staff, human service providers, teachers, educators, and other professionals to increase their competencies to deliver educational programs for consumers.

**Food Supplement Nutrition Education (FSNE)** Maryland's SNAP-Ed program uses a comprehensive multilevel approach aimed to introduce youth and adults to healthy options and to support partnering sites to make changes to their policies, practices, and physical environments so that healthy choices are accessible to Maryland families. In FY18, FSNE made over 282,000 educational contacts and delivered multi-level interventions at 459 total sites.

**The Expanded Food and Nutrition Education Program (EFNEP)** is a nutrition education program funded by USDA/NIFA. EFNEP empowers food insecure families with children to make diet and physical activity-

related behavior changes to facilitate a healthy lifestyle and reduce chronic disease risk. In 2018, EFNEP reached 4,657 youth, 1,089 adults and 4,264 families. EFNEP worked with 112 partners, and the program was delivered at over 200 delivery sites.

### Priority Areas Include:

- **Chronic Disease Management and Prevention:** To help youth and adults learn how to prevent chronic diseases and manage them through nutrition and physical activity programs.
- **Food Safety and Food Preservation:** To prevent food born illnesses from occurring through workshops and training for consumers, processors, farmers, and growers.
- **Financial Literacy and Capability:** To help youth and adults increase savings, decrease debts, and achieve financial well-being by making informed financial decisions.
- **Health Literacy and Health Insurance Literacy:** To help consumers better choose and use their health insurance as well as access and manage their health care.
- **Healthy Living Environments:** To foster healthier and safer environments through educating home owners and training community health workers.

## 2018 HIGHLIGHTS

**Total Number of Low-income Food Supplement Nutrition Education (FSNE) Participants**

**34,616**

**Total Number of FSNE-Trained Collaborating Partners**

**1,500**

**Total Direct Contacts of Expanded Food and Nutrition Education Program (EFNEP)**

**30,426**

**Health Insurance Literacy Initiative Team Reach:**

**16** Workshops in Four States

**2** National Webinars reaching

**186** Consumers



## 2018 HIGHLIGHTS

### Master Gardener Volunteer Hours

**110,485**

### Total Value of Master Gardener Volunteer Hours

**\$3.04** million

### Master Naturalist Volunteer Hours

**29,530**

### Total Value of Master Naturalist Volunteer Hours

**\$647,067**

### Square Feet of Impervious Surface Space Treated by Master Watershed Stewards

**8,531**

## Environment and Natural Resources

Maryland's diverse environment ranges from the mountains of the west to the shorelines along the east, and from large urban landscapes to rural forests and lakes. UME's Environment, Natural Resources, and Sea Grant programs provide educational and technical support to residents who live, work, and play in these areas. Balancing the economic potential and value of these vastly diverse resources with the need to conserve and protect the future is accomplished through a mix of programs such as the Woodlands Stewards and the Master Gardener, Master Naturalist, and Master Logger Programs. In addition, Bay and Coastal residents benefit from Watershed Restoration Specialists and Seafood Industry expertise in safety, production, and business aspects.

### Highlights, Impacts, and Outcomes

- Hundreds of forest owners have learned about the economic and environmental potential of their woods through online correspondence courses or face-to-face programs such as the Maryland Woodland Stewards.

- The Master Naturalist program has trained over 1,200 individuals in subjects designed to improve their knowledge and ability to affect Maryland's natural areas in a positive way. These individuals have contributed more than 100,000 volunteer hours since 2010.
- Dozens of annual graduates of the Watershed Stewards Academies in the state provide assistance to towns and individuals with their pollution reduction goals through water management and reduction of nutrients into the Bay. These trainings and efforts result ultimately in treating or replacing impervious surfaces, planting native plants, building rain gardens, and installing rain barrels.
- UME's Master Gardener program is valued at \$3 million, featuring 21 county/city Master Gardener coordinators, 2,000 volunteers, and 500 trainees. The Home and Garden Information Center answered 6,300 garden and pest questions in 2018, making them the U.S. leader on Extension's *Ask an Expert* platform.





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# UNIVERSITY OF MARYLAND EXTENSION

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### **Carroll County**

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501 Court Lane, Room 208  
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### **Harford County**

Harford County Agricultural Center  
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### **Howard County**

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### **Somerset County**

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### **Washington County**

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### **Worcester County**

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### **Home & Garden Information Center**

12005 Homewood Road  
Ellicott City, MD 21042-1542  
Phone: 410-531-5556 (office)  
[extension.umd.edu/hgic](http://extension.umd.edu/hgic)

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