

UME

Administrative Monday

June 26, 2023

UNIVERSITY OF
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EXTENSION

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Agenda

1. Associate Dean/Associate Director, Jinhee Kim
2. Operations, Aly Valentine
3. ENR, Bill Hubbard
4. AgFS, Darren Jarboe



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**Associate Dean/
Associate
Director**

Jinhee Kim, Ph.D.

Promotion – TTK Faculty

- Dr. Alex Chan - Senior Agent
- Ms. Vernelle Mitchell-Hawkins - Senior Agent
- Ms. Beverly Jackey - Senior Agent
- Ms. Neith Little - Senior Agent
- Ms. Becky Ridgeway - Senior Agent
- Dr. Cathy Liu - Principal Agent
- Dr. Jonathan Moyle - Principal Agent



Promotion-PTK Faculty

- Ms. Jennifer Dixon Cravens - Senior Agent Associate
- Ms. Michelle Feng - Senior Agent Associate
- Dr. Kate McClure - Senior Agent Associate
- Ms. Mikaela Boley - Principal Agent Associate
- Ms. Nicole Walker - Principal Agent Associate



UME Publications (May-June)

- *"Clients' Financial Issues Are Intertwined with Mental Health"* by Warnick, Nicholas; Chan, Dr. Alexander; Dill, Shannon
- "Know Your Foxtails" by Joseph, Dwayne D, Kerner, Leo
- *"Losing Your Trees to the Sea? Options for Maryland's Coastal Woodland Owners"* by McClure, Ph.D., Kate; Kedmenecz, Agnes
- "Keys to Identifying Palmer Amaranth and Waterhemp" by Vollmer, Kurt; Beale, Ben



Nutrient Management Update

- MDA Announcement on June 1
- Local nutrient management advisors discontinued while maintaining nutrient management specialists (4 FTE)
- Nutrient Management Taskforce
- [Dean's Letter on Nutrient Management Program](#)



Recognition of Nutrient Management Team

- Ashby Ruddle- Allegany County *
- Jessica McClurg- Allegany County*
- Maxine Yoon- Anne Arundel County
- Kayla Griffith- Anne Arundel County*
- Emileigh Lucas- Anne Arundel County*
- Duana Hunt- Baltimore County
- Emilee Smith-Baltimore County*
- Dan Carroll-Baltimore County*
- Lyndsie Gedney- Caroline County
- Craig Yohn- Caroline County*
- Kamil Rosales – Carroll County
- Samuel Covington- Cecil/Kent County
- Jenna Talbot – Cecil/Kent County*
- Francis Warring – Charles County
- Craig Yohn – Dorchester County
- Jill Hauser- Garrett County



Recognition of Nutrient Management Team

- Krista Mitchell –Howard County
- Natalia Salazar-Montgomery County*
- Amanda Laudwein- Montgomery County*
- Jeff Moore- Queen Anne’s County
- Brian Kalmabach-Talbot County*
- Samuel Harrison- Talbot County
- Craig Yohn- Talbot County*
- Keri Grant-Wicomico County
- Kiran Fnu- Worchester County*
- Nina May Lee- Somerset County*
- Kaitlyn Fuss- Frederick County*
- Tricia Hoopes –Harford County



Recognition of Nutrient Management Team

- Anne-Meredith Webster- Somerset County
- Jose Prieto-Figueroa- Dorchester County*
- Gregory Simpson –Saint Mary’s County
- Jessica Crabtree- Worchester County*
- Brian Sweeny- Washington County
- Casey Foreman- Queen Anne’s County*
- David Ruppert-College Park
- Elizabeth Abebe- College Park
- Christopher Dowell- Calvert/Prince George’s



UME Program Unit Review

- [University of Maryland Policy on the Review of Academic Units](#)
- Co-Chairs: Shannon Dill, Jon Traunfeld
- Highlights: Internal committee members, Approval of External reviewers, Self-study development including faculty and staff data collection, External reviewers' visits, and Final report by external reviewers.
- Timeline: Host external reviewers in early March 2024.



Senior Admin Team Update



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Operations

Aly Valentine

USM Internal Audit

- Financial
- Personnel
- Grants
- Inventory
- Background Check processes
- EAC
- Schedule for local visits - TBD



Volunteer Background Checks

- Review – Tier System
- Sterling – 3 year review
- Upcoming Change to schedule



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COLA and Merit Increases

- Effective July 1
- Salary letters
- Eligibility



Workday Update

- Go Live – November 15th
- Training starts on July 17th
- Emails will be sent regarding the training
- Most employees will only need to be trained on timesheet completion



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ENRSG

Bill Hubbard

Promotions

Mikaela Boley – Home Horticulture Agent, Talbot County, Promoted to Principal Agent Associate

Kate McClure – Coastal Resiliency Specialist, Promoted to Senior Agent Associate

Cathy Liu – Seafood Technology Specialist, Promoted to Principal Agent



AGNR Faculty, Staff & Cornerstone Awards

University of Maryland Extension
Excellence Award: Don Webster, Regional
Specialist, Aquaculture

Off-Campus Professional Track Faculty
Excellence Award: Dr. Matt Parker,
Aquaculture Business Specialist

Cornerstone Award – Dr. Andrew Lazur,
State Extension Specialist – Water Quality



Welcome!!

Caroline DiGiovanni—
Watershed Education Specialist,
Calvert and St. Mary's Counties

Sarah Llewellyn— Home
Horticulture and Agriculture &
Food Systems Educator for
Allegany County



Maryland Day

HGIC and Master Gardener Displays –
Jon Traunfeld & Miri Talabac, Dave
Clements

Woodland Steward Information Table –
John Hooven





BAY-WISE

A MASTER GARDENER PROGRAM

2023 Western MD Bay-Wise Advanced Training

- 32 Master Gardeners
- 4 Western MD counties
- 15 hours of classroom & field training
- Instructors: Amanda Rockler, Andy Lazur, Lisa McCoy, Annette Cormany, Wanda MacLachlan
- 1606 trained since 1996
- 3,690 sites certified



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Home & Garden Information Center

Strategic planning-

- 465 survey responses! Thank you AGNR!
- May 31st staff retreat- thanks Jen Dindinger for fabulous facilitation!
- Plan will be finalized in late summer

Ask Extension questions are up 29% over last year. Many thanks to field faculty, staff, and MGs for great answers!

New series of short YouTube videos is super popular on social media!

(<https://www.youtube.com/@UMDHGIC/shorts>)

Most viewed UME web page in May was “Recommended Native Plants for Maryland” (14,781 views)

Maryland Grows blog had 48,373 views in May!



NEW SUSTAINABLE HORTICULTURE CERTIFICATE

- New asynchronous course developed by the UME MG State Office with expertise from Extension and UMD faculty and staff
- Developed with funds from a UMD TLTC grant
- Running a full pilot course with 26 people, had a full 20 people on the waitlist
- Students will complete a final project with guidance from MGs
- Course will be evaluated before the next offering

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SUSTAINABLE HORTICULTURE

CERTIFICATE COURSE

June 5 – August 14

Register at <https://go.umd.edu/sustainablehortcertificate>



Contact
statemg@umd.edu
for questions

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Frederick Master Gardeners Sponsored *Environmental Awareness Day*



Frederick Master Gardeners Demo Garden on



BEYOND THE GARDEN GATES GARDEN TOUR

Frederick County Master Gardener's Demonstration Garden 330 Montevue (University of Maryland Extension Office)

Developed and maintained by Frederick County Master Gardeners, this expansive space provides a comfortable and accessible place for the public to observe and learn about various horticultural and gardening techniques. The Bay-Wise certified garden is divided into several sections, including a Children's Garden, a "Grow It, Eat It" area, a Woodland Edge space with native Hedgerow, and a variety of building landscape beds. The Garden also includes a designated Pawpaw patch, herb spiral, keyhole garden, espaliered fruit trees, a bat house, native bee houses, and a patio area with numerous container plantings. The garden showcases several stormwater management features with potential residential applications. Open to the public daily from dawn to dusk, the Garden is also the site of several Master Gardener Seminars as well as Story Times in the Children's Garden. Signage and educational literature guide visitors, and certified Master Gardeners will be on site for garden related questions.



Partnerships & Extension

Co-organized by Luke Macaulay
and Quail Forever

Featuring Secretary of Maryland
Department of Natural
Resources Joshua Kurtz



PUBLIC LAND
&
PRIVATE PARTNERSHIPS

FOR

EARLY SUCCESSION HABITAT

JULY 20, 2023

NATIONAL WILDLIFE VISITOR CENTER
LAUREL, MARYLAND

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CHESAPEAKE BAY QUAIL FOREVER

Wildflower Identification Workshop at Wye Angus

Natural Resource Conservation
Service

MDA County Conservation
Planners

District Conservationists

Co-Instructor: Luke Macaulay

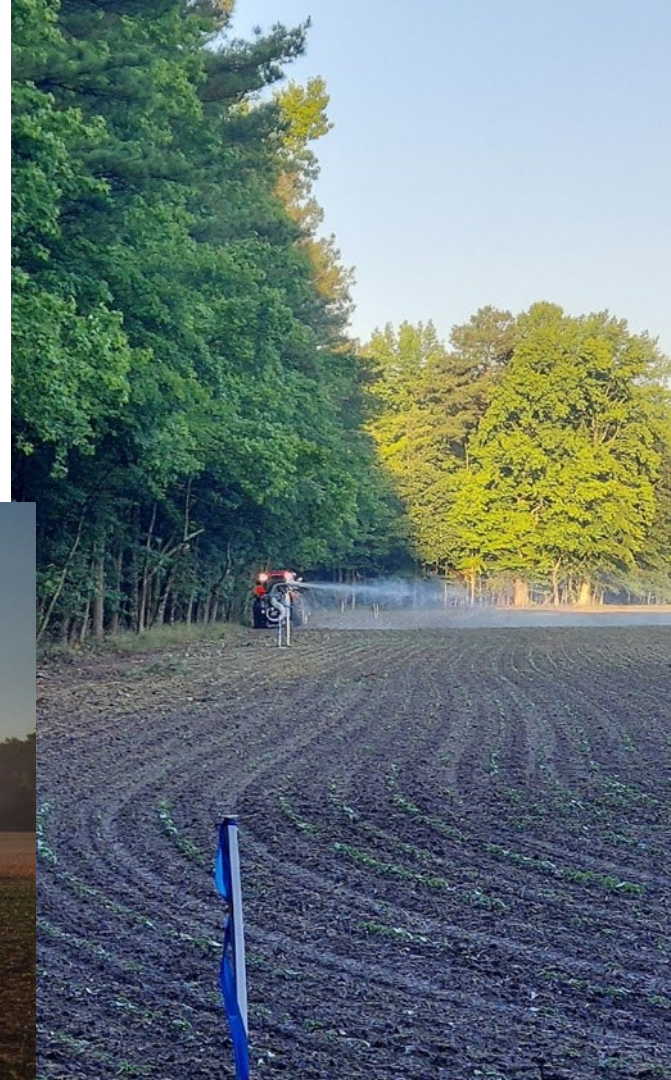


Repellents to reduce deer damage

First application 6-13-23

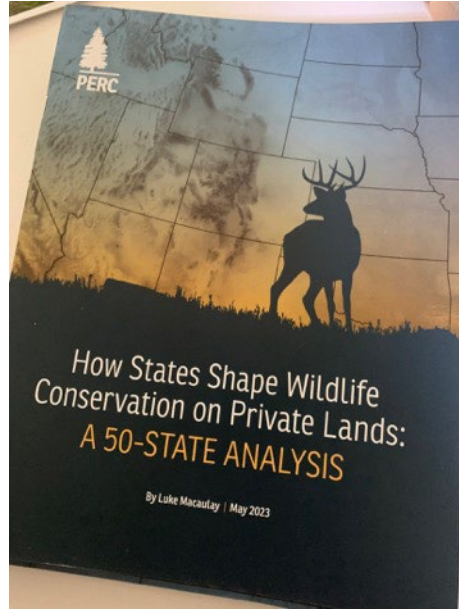
Cooperating Farmer

PI: Luke Macaulay



Wildlife Policy Analysis

Comparing state wildlife policies across 50 states.



Maryland Deer Damage Summit, May 11, 2023, Annapolis, MD

Crop Damage Update – Dr.
Luke Macaulay



Pollinator & Quail Establishment Study

Left: Disked & broadcast seeding

Right: Native seed drill



Stormwater Best Management Practice (BMP) Maintenance

- Watershed Specialist Eric Buehl assisted Caroline and Cecil Counties with maintenance training on BMPs.
- Cecil County Master Watershed Stewards developed an improvement plan for an older BMP including plant removal and replacement.
- Caroline County Planning & Codes staff learned about what native plants to keep and what invasive plants to remove at multiple BMPs in Greensboro.



Image: Leslie Grunden



Image: Marshall McSorley

Corsica River Watershed Accelerated Urban Nutrient Management Effort

- Funding provided by AGNR Healthy Watersheds and the Chesapeake Bay Strategic Initiative mini-grant.
- Project leads are Rachel Rhodes and Eric Buehl.
- Augmenting Bay-Wise Advanced training with additional information on residential stormwater and assessments.
- Several trainings during the month of May.
- Next steps involve reviewing soil testing results.



Image: Rachel Rhodes

Social Marketing: Behavior Change for Public Good

Amanda Rockler (arockler@umd.edu) and Jennifer Dindinger (jdindinger@umd.edu)

Using social science and marketing principles to influence target audience behaviors.

Level of Investment to Change Behavior

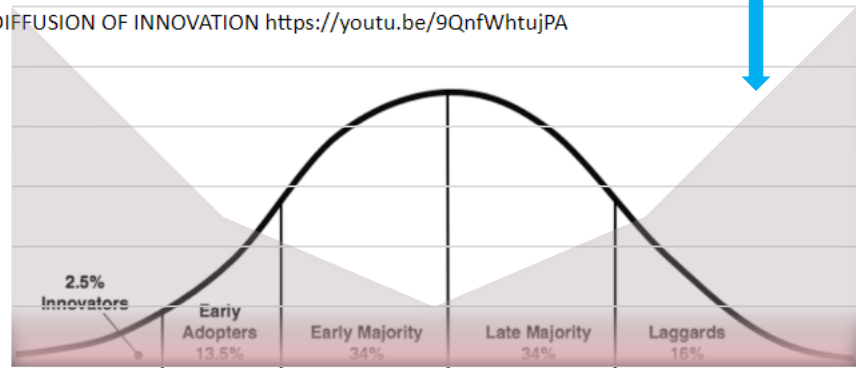
Behavior Change MYTHS

1. WE PRIMARILY NEED TO EDUCATE PEOPLE
2. IF PEOPLE WANT TO CHANGE, THEY JUST NEED TO DECIDE TO DO SO
3. CHANGE OF ATTITUDES WILL CHANGE BEHAVIOR
4. GOOD COMMUNICATION WILL CHANGE BEHAVIOR

KNOWING AND DOING ARE DIFFERENT, AND THEY ARE NOT NECESSARILY CONNECTED!

BEHAVIOR CHANGE THEORIES

DIFFUSION OF INNOVATION <https://youtu.be/9QnfWhtujPA>



Info & Educ.
"Show Me"

Social Marketing
"Help Me"

Regs and Legal
Intervention
"Make Me"



Collaborative Wellness Event: Low Income Senior Apartment Community

- **Taught and assisted** 150 residents with planting 160+ containers
- **Donated** a variety of 950+ vegetable and herb plants
- **Demonstrated** a fruit and green salad tasting with 100 residents



Maddie Potter
Agent Associate, Horticulture & Master Gardener Coordinator

- **Included** translators and translations in Farsi, Korean, Mandarin, and Russian
- **Partnered** with 7 organizations



Razan Sahuri
Senior Agent Associate,
MD SNAP-Ed Nutrition





Wye Research and Education Center iTree Survey and Assessment

Inventory the existing trees at WREC to:

- 1) Assess future planning needs
- 2) Assess future planting needs
- 3) Create an assessment of sustainability and other benefits of trees to campus
- 4) Establish a baseline to monitor tree health and vitality

Funding provided by **UMD Sustainability Fund**



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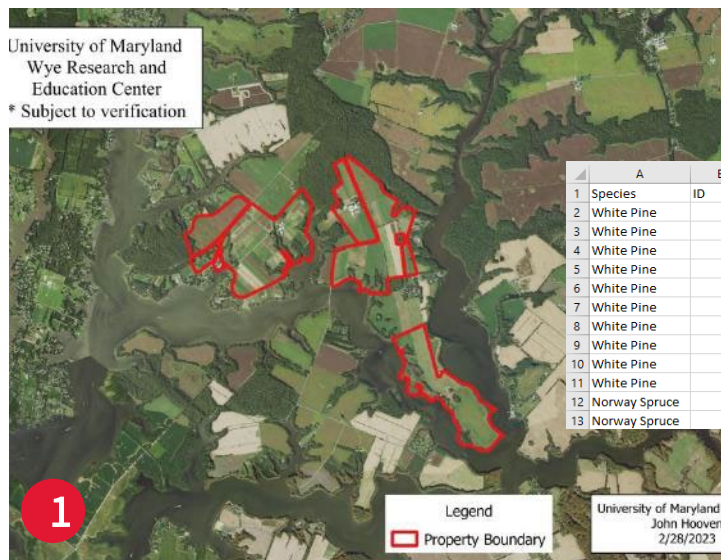
Wye Research and Education Center
iTree Survey and Assessment 2023





WREC FORESTRY UPDATE

- 1 Using interns from UMD, inventory existing trees at WREC
- 2 Data entered into iTree and GIS platforms
- 3 Generate a report for management; produce a GIS tree layer for future analysis and consideration



	A	B	C	D	E	F
1	Species	ID	Latitude	Longitude	DBH (inch)	Tree Condition
2	White Pine	1	38.91201672	-76.1516578	27	Fair
3	White Pine	2	38.91216235	-76.15168033	26	Poor
4	White Pine	3	38.91216309	-76.15169069	29	Fair
5	White Pine	4	38.91220803	-76.15160461	24	Fair
6	White Pine	5	38.91225358	-76.15157974	32	Fair
7	White Pine	6	38.9123859	-76.15147174	32	Good
8	White Pine	7	38.9123859	-76.15147174	25	
9	White Pine	8	38.9124979	-76.15137654	27	Poor
10	White Pine	9	38.91249123	-76.15133332	25	Good
11	White Pine	10	38.91252772	-76.15130426	24	Poor
12	Norway Spruce	11	38.91257783	-76.15139121	16	Poor
13	Norway Spruce	12	38.91261483	-76.15130035	28	Fair

2

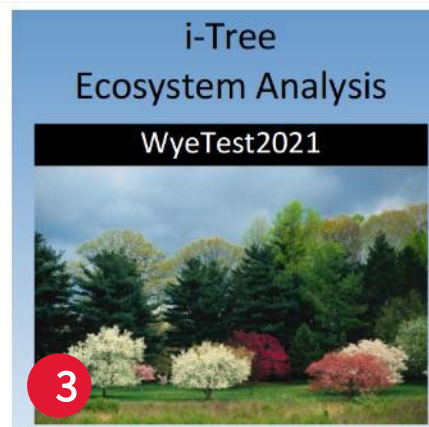




WREC FORESTRY UPDATE

- 1 Data collected will be analyzed by iTree software and Maryland Forest Service
- 2 iTree remotely compiles and generates a report based on provided data
- 3 iTree report prepared, distributed to administrators, managers, etc.

	A	B	C	D	E	F
1	Species	ID	Latitude	Longitude	DBH (inch)	Tree Condition
2	White Pine	1	38.91201672	-76.1516578	27	Fair
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13	Norway Spruce	12	38.91261483	-76.15130035	28	Fair



ID	Crew	Survey Date	Species	Land Use	Photo ID	DBH 1 (in)	DBH Height
1			White pine (Dacrycarpus dacrydioides)	Institutional		27.0	
2			White pine (Dacrycarpus dacrydioides)	Institutional		26.0	
3			White pine (Dacrycarpus dacrydioides)	Institutional		29.0	
4			White pine (Dacrycarpus dacrydioides)	Institutional		24.0	
5			White pine (Dacrycarpus dacrydioides)	Institutional		32.0	
6			White pine (Dacrycarpus dacrydioides)	Institutional		32.0	
7			White pine (Dacrycarpus dacrydioides)	Institutional		29.0	
8			White pine (Dacrycarpus dacrydioides)	Institutional		27.0	
9			White pine (Dacrycarpus dacrydioides)	Institutional		26.0	
10			White pine (Dacrycarpus dacrydioides)	Institutional		24.0	
11			Norway spruce (Picea abies)	Institutional		16.0	
12			Norway spruce (Picea abies)	Institutional		28.0	
13			Norway spruce (Picea abies)	Institutional		25.0	
14			Norway spruce (Picea abies)	Institutional		10.0	

* In addition, foresters from **Maryland Forest Service** will compile a forest stewardship plan for forested areas for administrators' consideration of the woodlands at the center over the next 15 years



Results

- Document existing tree and forest inventory
- Benchmark existing conditions of landscape trees and forest stands for ecosystem services
- Assess campus benefits of trees
- Make suggestions for future plantings
- Cost savings analysis on energy savings of existing landscape trees and future plantings
- Manage natural resources for carbon sequestration and maximize institutional benefits





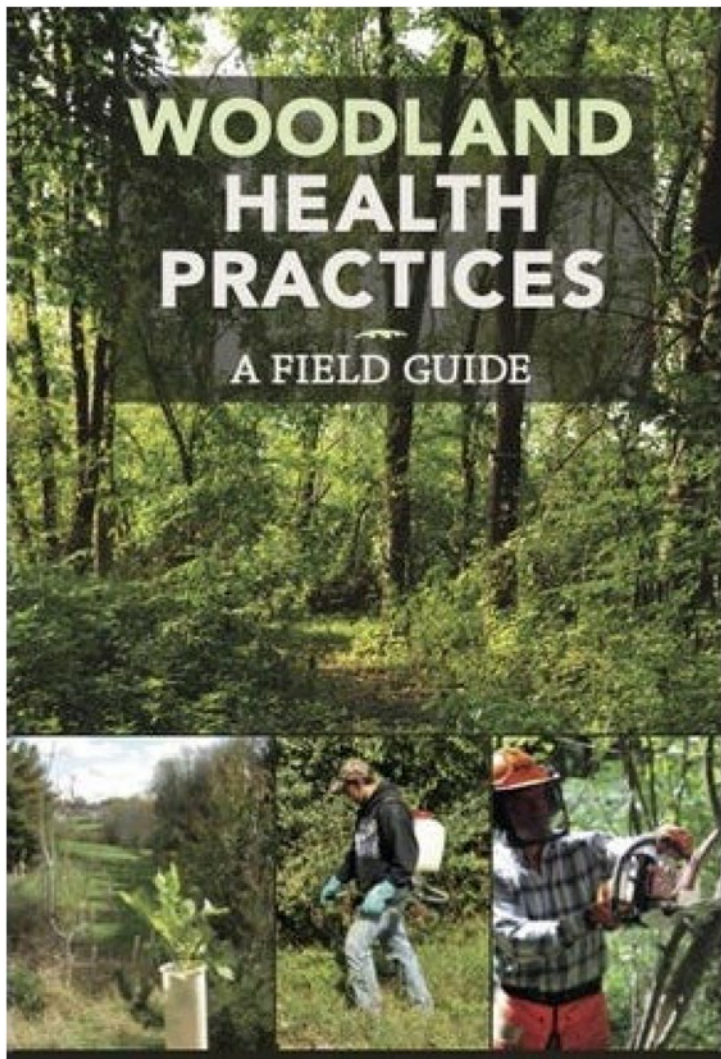
Aquaculture Update

- Cathy and Don along with MDH personnel conducted HACCP Training for producers getting Shellfish Shipper licenses on Apr 13 and 27
- Conducted a tour of a large-scale oyster seed remote setting facility in Talbot County for 14 NRCS personnel from five states and the DC on May 17
- Assisted UM Engineering faculty in field trials for developing robotic technology for oyster aquaculture at a farm on May 23 and 24



Forest Resources

- Pocket guide for woodland and home owners, municipalities, arborists, landscapers and forestry professionals
- Latest research-based information on land-care practices
- Quick reference format:
 - Converting lawn to natural areas
 - Improving wildlife, privacy, beauty and recreational opportunities
 - Controlling undesirable plants/encouraging natives
- <https://extension.psu.edu/woodland-health-practices-field-guide>



Aquaculture Update – Seed to \$\$\$ Workshop

- UME Workshop led by Dr. Matt Parker
- NOAA Sea Grant funded effort
- Presentations on risk, economics, regulations, consumer presentations, nutrient trading, NRCS cost-share programs and other topics
- Presentations recorded and available – Contact Matt for more information.



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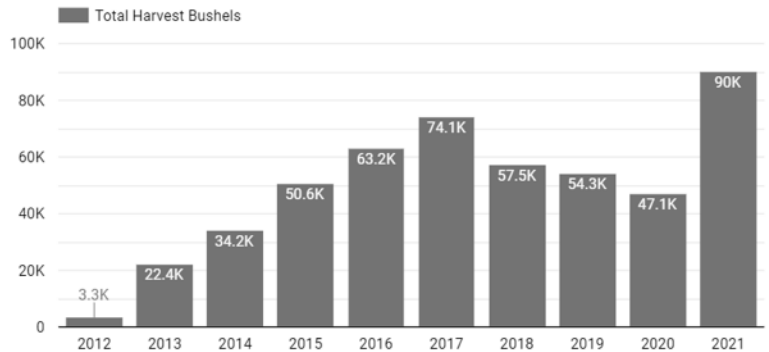


Total Harvest

- Leasing Summary
- Map of Submerged Land Leas...
- Map of Water Column Leases...
- Bottom Culture and Water Col...
- Bottom Culture Harvest by M...
- Water-column Harvest by Mo...
- Bushel Value Summary
- Individual Value Summary
- Total Dockside Value of MD A...

Maryland Oyster Aquaculture Industry Summary

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Since 2012

Total Harvest Bushels
496,859

Estimated Pounds of Nitrogen Removed from Chesapeake Bay*
29,812

Estimated Pounds of Phosphorus Removed from Chesapeake Bay*
4,969

Year	Total Harvest Bushels	Estimated Pounds of Nitrogen Removed from Chesapeake Bay*	Estimated Pounds of Phosphorus Removed from Chesapeake Bay*
1. 2021	90,028.61	5,401.72	900.29
2. 2020	47,080.8	2,824.85	470.81
3. 2019	54,324.95	3,259.5	543.25
4. 2018	57,542.85	3,452.57	575.43

<https://go.umd.edu/OysterAquacultureDashboard>

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AgFS

Darren Jarboe

Promotions

Neith Little, AgFS Baltimore City,
promoted to senior agent with
tenure

Jon Moyle, AgFS state poultry
specialist, promoted to principal
agent



Photos: University of Maryland



Creating Leadership & Professional Development Through Extension Internships

Nine interns

Six different schools

13 Extension faculty mentors

Attended AgFS Summer In-Service and MACAA Annual Meeting

2nd Annual Extension Internship Campus Mixer



Creating Leadership & Professional Development Through Extension Internships



Photos: Extension student interns

Maryland Association of County Agricultural Agents Annual Meeting

New board officers elected

Tour of Baltimore City and Anne Arundel County urban agriculture

Spring Forward

Allen AME Church



Maryland Association of County Agricultural Agents Annual Meeting

Atwaters' Big Kitchen Farm

BLISS Meadows Backyard
Basecamp

Gambrills Flower Farm

Anne Arundel Extension Office



Kenya Study Abroad Class

AREC 306

Poultry production

Sand dam construction

Vegetable production for the local market



Queen Anne's County 6th Annual Agriculture Awareness Days

April 12-13

Used Next Generation Science and
Maryland Environmental Literacy
Standards

600+ 7th graders

Over 75 volunteers



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Photos: Queen Anne's County Extension

Chestertown Christian Academy Agriculture Day

Kent and Queen Anne's County Extension

Maryland Grain Producers Utilization Board

Educational interactive stations



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Photos: Queen Anne's and Kent County Extension

Commercial Horticulture Research and Training

Maryland IPM Scout Training Seminar

Drone applying mural fungicide, Naughty Pine Nursery, Dickerson

Fungus gnat trial



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Photos: Stanton Gill

Blackberry Trial Planted

Led by Haley Sater

WMREC

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Photo: Bryan Butler

Tractor Training Workshop

10 participants: students, postdocs, NM advisors, and MAES staff

Basic safety concepts

Tested with hands-on learning with different equipment

CMREC-Clarksville



LEAD Maryland Class XII Seminar

Carroll County

Ornamental horticulture and the
grain industries

Lindsay Thompson, MGPUB

Jessica Todd, Clear Ridge Nursery

Lippy Brothers Farms



ECOcity Incubator Farm Visit



Photos: Darren Jarboe

Strawberry Twilight at Wye REC



Maryland Arborists Association Training



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Photos: Darren Jarboe

Delmarva Chicken Association Booster BBQ



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Photos: Darren Jarboe

2023 Maryland Small Grains Field Day at Wye REC



Diversify Your Cover Crops: On-Farm Series

Three Eastern Shore field-days on three farms in March

How to get more benefits out of a cover crop

Collaborators: Million Acre Challenge, Future Harvest, and Sustainable Chesapeake

Funding support from NFWF and USDA NRCS



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Photos: Sarah Hirsh

Maryland Department of Agriculture Maryland Agricultural Commission Tour

Dorchester and Wicomico Counties

Baywater Trading Company and
Baywaters Farm

Wrights Market

Luthy Farm

Johnny Shockley Blue Oyster
Environmental



Photos: Darren Jarboe

Maryland Department of Agriculture St. Mary's County Farm Tour

Loveville Produce Auction

Valentine's Delight, Jamie Raley

George Beavans Farm

Hollywood Oyster Co.

The Barns at New Market

Corteau Vineyards



Photos: Darren Jarboe

AgFS Outreach

Dean Beyrouty presented the land-grant university system to LEAD Maryland Class XII



The Crossvines Open House,
Poolesville, Montgomery County

Dill and Rhodes hosted Ohio State
University Extension Study Tour



AgFS Summer In-Service

Harnessing the Power of AI and
Large Language Models

Maryland Food System Resiliency
Council

New Campus Specialist Program
Overviews

How the Poultry Industry Is Using
Virtual Reality for Education

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Photo: Darren Jarboe

AGNR Faculty and Staff Excellence Awards

Off-Campus Staff Excellence Award: John Draper, MAES and Pam Thomas, UME

On-Campus Professional Track Faculty Excellence Award: Dr. Jose-Luis Izursa, ENST

Faculty Research Award: Dr. Tom Porter, ANSC

Integrated Research and Extension Excellence Award: Rohan Tikekar, NFSC



AGNR Cornerstone Awards

Sustainable Agricultural Production Systems:

External award: Maryland Public Television-Maryland Farm & Harvest TV Series

Internal award: UMD Poultry Team-Dr. Jon Moyle, Ms. Jenny Rhodes, Dr. Nat Tablante, Dr. Mostafa Ghanem, Ms. Maegan Perdue

Human, Animal, and Environmental Health:

External award: Maryland Farm Bureau

Internal award: Close Encounters with Agriculture-Nutrition Track; Dr. Mona Habibi, Kelly Nichols, Anna Hamann



Grant

Amanda Grev, 2023, A Comparison of Forage Production, Livestock Performance, Soil Health, and Economics Between Perennial and Perennial/Annual Combination Forage Systems, SARE, \$99,899.



Andrew Ryan Potts

Born April 5th



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Photo: Sarah Potts

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