



# **UME Administrative Monday**

September 27, 2021



UNIVERSITY OF  
MARYLAND  
EXTENSION

# Agenda:

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- 1) Jim Hanson - Associate Dean and Associate Director Update
- 2) Aly Valentine – Operations Update
- 3) Darren Jarboe – Ag & FS Update
- 4) Bill Hubbard – ENR & SG Update
- 5) Frank Coale – AGNR Strategic Initiatives
- 6) John Erwin – Chair, Plant Sciences and Landscape Architecture
- 7) Q&A

# AD Report

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## *Admin Monday Format*

- Padlet
- Campus Extension Programs
  - John Erwin, Chair, Plant Science and Landscape Architecture
- Strategic Initiatives
  - Frank Coale, Assistant Dean for Strategic Initiatives
- State of Extension, October 25, 2021

# AD Report

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## *Policies*

- Role of UMD and USM in policies affecting UME
- Telework
  - Dean's policy of one day per week with 2 days allowed for medical and/or ADA accommodation
- Thank you for your commitment to return to the workplace and for your patience as we navigate the ongoing pandemic

# Operations Updates

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## COVID – 19 Updates

- Unvaccinated faculty and staff must now wear a KN95 mask indoors.
- This is considered PPE and may be purchased using a UMD p-card.
- Unvaccinated individuals must test twice per week
- Testing must occur, even if on annual leave to remain compliant
- <https://umd.edu/4Maryland/covid-testing>
- Local masking mandates should be followed for City/County/REC offices

# Operations Updates

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## Volunteer Background Check Updates

- 700 + volunteers are non-compliant 60 days or more
- We will begin separating volunteers who are non-compliant 60 days or more
- Taylor preparing lists for county educators

# Ag & FS Updates

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## *Fruit Pulse Newsletter*

- Started in July
- Macarena Farcuh and Haley Sater
- Maturity assessment data and images
- Weekly in late summer and fall



## **FRUIT PULSE**

University of Maryland Extension &  
Department of Plant Science and Landscape  
Architecture, University of Maryland,  
College Park

# Ag & FS Updates

*MASCD Annual Meeting*



*Small Ruminant Field Day*



# Soybean Checkoff Research Field Day



# Ag & FS Updates

## *Delmarva Farmer: Maryland Researchers Hoping Triticale Can Boost State's Dairy Industry*

- Lyndon Miller, producer
- Wheat and rye hybrid
- Effect of soil fertility on yield and quality
- Nitrogen and sulfur — more protein
- Postharvest soil tests well below state limits



Photo: Jonathan Cribbs

# Ag & FS Updates

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## *Commercial Cut Flower Growers Seminar and Field Day, Everton*

- Stanton Gill, David Clement, Suzanne Klick, Andrew Ristvey, Chuck Schuster, Kelly Nichols, Alan Leslie, and Ginny Rosenkranz
- Capped at 80 people
- Association of Specialty Cut Flower Growers



# Ag & FS Updates

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## *Ornamental Horticulture Training Programs*

- MNLGA Field Day at Fieldstone Nursery
- IPM Diagnostics Session for Commercial Horticulture Scouts, July, August, and September



Photo: Stanton Gill

# Ag & FS Updates

## Hemp Field Day



# Ag & FS Updates

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Crops Twilight Barbecue  
and Ice Cream Social

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# Ag & FS Updates

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## *Announcements*

- Calvert Ag Listening Session, Prince Frederick, 3-4:30 p.m., October 12 hosted by Southern Maryland Cluster
- ALEI hired specialists Ellis Collier, UMES and Elizabeth Thilmany, UMD
- Martin Reuther, C. Castelino, and Emily Zobel; Knowledge transfer on organic farming and climate change in agriculture; U.S. Embassy in Ukraine; \$37,420

# Ag & FS Updates

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## *Maryland Soybean Board Invests in Production Research*

- Evaluating Drone for Cover Crop Seeding and Pesticide Applications, Andy Kness, \$3,474
- Evaluation of Growth-Promoting Products for Soybean Production in Maryland, Andy Kness, \$4,795





# Ag & FS Updates

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## *Maryland Soybean Board Invests in Production Research*

- Soybean Fungicide Efficacy, Profitability, and Pest Resistance Over Time, Andy Kness, \$13,098
- Evaluating Earlier Planting Dates for Increased Soybean Yields, Nicole Fiorellino, \$9,767
- University of Maryland Soybean Variety Trials – Check Varieties, Nicole Fiorellino, \$11,391

# Ag & FS Updates

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## *Maryland Soybean Board Invests in Production Research*

- Evaluating Soybean Variety Performance and Response to Deer Grazing, Luke Macaulay, \$8,258
- Strategies for Controlling Herbicide Resistant Common Ragweed in Maryland, Sarah Hirsh, \$13,245

# Ag & FS Updates

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## *Tentative In-person Winter Meeting Dates for 2021-22*

- Southern MD Agronomy Meeting, Brandywine, 4 p.m.–8:30 p.m., Nov. 30
- Washington County Agronomy Day, Fairplay, 9:30 a.m.–2:30 p.m., Dec. 1
- Northern Maryland Field Crops Day, Upperco, 8 a.m.–1 p.m., Dec. 2
- Private Pesticide Recertification, Cambridge, TBD, Jan. 6
- Mid Winter Meeting, Westminster, 10 a.m.–2 p.m., Jan. 13
- Winter Agronomy Meeting, TBD, 9 a.m.–3 p.m., Jan. 19
- Central MD Vegetable Growers Meeting, Upperco, 8 a.m.–1 p.m., Jan. 27

# Ag & FS Updates

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## *Tentative In-person Winter Meeting Dates for 2021-22*

- So. MD Vegetable and Fruit Meeting, Brandywine, 8 a.m.–4 p.m., Feb. 10
- Harford County Mid-Winter Agronomy Meeting, Street, 9 a.m.–3 p.m., Feb. 15
- Eastern Shore Vegetable Growers Meeting, TBA, 8 a.m.–12:30 p.m., Feb. 16
- Caroline County Agronomy Meeting, Denton, 4:30 p.m.–9 p.m., Feb. 16
- Frederick County Agronomy Meeting, Urbana, 8:30 a.m.–3:30 p.m., Feb. 23
- Queen Anne's County Agronomy Meeting, Centreville, 8 a.m.–1 p.m., March 4
- Lower Shore Agronomy Day, Princess Anne, 10 a.m.–3 p.m., March 30

# ENRSG Updates

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**ANROSP**

Alliance of Natural Resource  
Outreach and Service Programs

Annual National  
Conference: Sept 28-30

**"Climate Stewardship: The Role of Outreach and Service Programs"**

The **Maryland Master Naturalist Program** is facilitating a featured workshop on Practical Steps for Making Programs More Equitable, Just, and Inclusive featuring case studies from the Maryland, Virginia, and Texas Master Naturalist Programs.

<https://anrosp.wildapricot.org/National-Conference>

There's still time to register: contact Joy Rafey at [jrafey@umd.edu](mailto:jrafey@umd.edu) for details

# ENRSG Updates



UNIVERSITY OF  
MARYLAND  
EXTENSION

[extension.umd.edu](http://extension.umd.edu)

EBR-59 | July 2021

## What Happens after Phragmites is Killed?

**An Experimental Study on the Role of Native Plantings in Marsh Restoration**

What is *Phragmites* and why is it a problem?

According to the U.S. Department of Agriculture, *Phragmites* now grows in all 50 states and most Canadian provinces. Although it first reached the U.S. East Coast from Europe in the 1800s, it has spread rapidly across the

## Watershed Protection & Restoration Program

- **Eric Buehl** provided grant and stormwater technical assistance to communities who received \$1.5 million to implement water quality best management practices (BMPs) on the Upper Choptank River.
- Expected **annual** reductions of 415 pounds of nitrogen, 262 pounds of phosphorus, and 471 tons of sediment from reaching the Chesapeake Bay.
- **Eric Buehl**, lead author a new Extension Publication: *“What Happens after Phragmites is Killed? An Experimental Study on the Role of Native Plantings in Marsh Restoration”*

# ENRSG Updates

## *Our Newest Signature Program: The Watershed Steward Academy (WSA) Updates*

- Howard County WSA
  - **Terry Matthews**, WSA Coordinator reports 7 cohorts this fall
  - Previous class graduating November 3<sup>rd</sup>, 2021.
- Harford County WSA
  - **Kesley Brooks** reports 9 cohorts in their WSA
- Salisbury WSA
  - **Jennifer Dindinger** reports a new WSA on the horizon to begin in spring of 2022

WANT TO HELP  
IMPROVE LOCAL  
WATER QUALITY?

- Does your neighborhood have a drainage or flooding problem?
- Are you a community leader interested in making positive change?

THE SALISBURY  
WATERSHED STEWARDS  
ACADEMY (WSA) MIGHT  
BE FOR YOU!

JOIN US OCT. 7 AT 5 P.M. VIA  
ZOOM TO LEARN ABOUT  
WSA, A STORMWATER  
TRAINING PROGRAM FOR  
ADULTS 18+

VISIT [HTTPS://GO.UMD.EDU/SBYWSA](https://go.umd.edu/sbywsa)  
AND CLICK ON "SALISBURY WSA" TO  
REGISTER FOR THE INFO SESSION  
AND TO DOWNLOAD THE PROGRAM  
APPLICATION.

THE SALISBURY WSA STARTS  
JANUARY 2022. APPLICATIONS ARE  
DUE NOVEMBER 12.

# ENRSG Updates

## *Forestry and Logger Education*

- **Agnes Kedmenecz** featured in Maryland Forests Association's (MFA) "Faces of Forestry" piece.
  - Agnes is our logger education and forestry specialist who works out of the Wye Center
  - <https://www.mdforests.org/blog>
- Maryland Competes in National Forestry 4H Invitational
  - **Agnes and Amy Lang** Coached, several Extension faculty members assisted with presentation
  - Congratulations to 4H'ers **Jonathan Eanes and Kallan Latham!**





# ENRSG Updates

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## *HGIC & MG*

- **Miri Talabac**, horticulture consultant will write the Baltimore Sun gardening column (HGIC has done continuously for the past 26 years).
- Congrats to **Dan Adler** who recently became a dad!
- **"Climate Change and Gardening"** stories for the website. **Christa Carignan** will lead the effort.



# ENRSG Updates

## HGIC & MG

- \$20K grant from the Network of the National Library of Medicine- "Healthy Garden, Healthy You: Providing Information and Tools on Links Between Gardening and Human Health." **Rachel Rosenberg Goldstein (PI) and Jon Traunfeld (Co-PI)**
- International Master Gardener Conference:
  - Talbot County MG Program Receives Award for Nurture Nature Initiatives
  - Garden Thyme Podcast Presentation – **Mikaela Boley, Rachel Rhodes, Emily Zobel**



### The Garden Thyme Podcast

*Teaching People How to Get Down and Dirty in the Garden*

Rachel Rhodes, Mikaela Boley, Emily Zobel

The University of Maryland Extension



# ENRSG Updates

## 2021 Bay-Wise Advanced Training:

- Hosted by Montgomery County
- 12 hours of online lectures + one in-person session
- Presenters included **Luke Macaulay, Wanda MacLachlan, Amanda Rockler, Andy Lazur and Lisa McCoy.**
- Technical assistance provided by: **Rachel Rhodes and Nancy Allred**
- 53 completed the training representing 11 counties
- 2021 Bay-Wise volunteer update:
  - **Wanda MacLachlan** reports 1,168 hours valued at \$34,588 and certified 45 sites.



# ENRSG Updates

[https://ras-n.org/wp-content/uploads/2021/02/2020-05-19\\_DemoFacilities\\_NCWMAC\\_08.mp4](https://ras-n.org/wp-content/uploads/2021/02/2020-05-19_DemoFacilities_NCWMAC_08.mp4)

## *Aquaculture Updates:*

- Shellfish Robotics Project Update
  - Horn Point Hatchery 4-H Project Leader Orientation
  - **Willie Lantz, Brad Hartle, Amy Lang, Phil Malone along with Allen Pattillo, Matt Parker and Don Webster**
- New USDA Sustainable Ag Grant: “Sustainable Aquaculture Systems Supporting Atlantic Salmon” SAS<sup>2</sup>
  - **Cat Frederick** will be Extension Lead along with help from **Jackie Takacs** and **Amy Lang**



# ENRSG Updates

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## *Other shoutouts:*

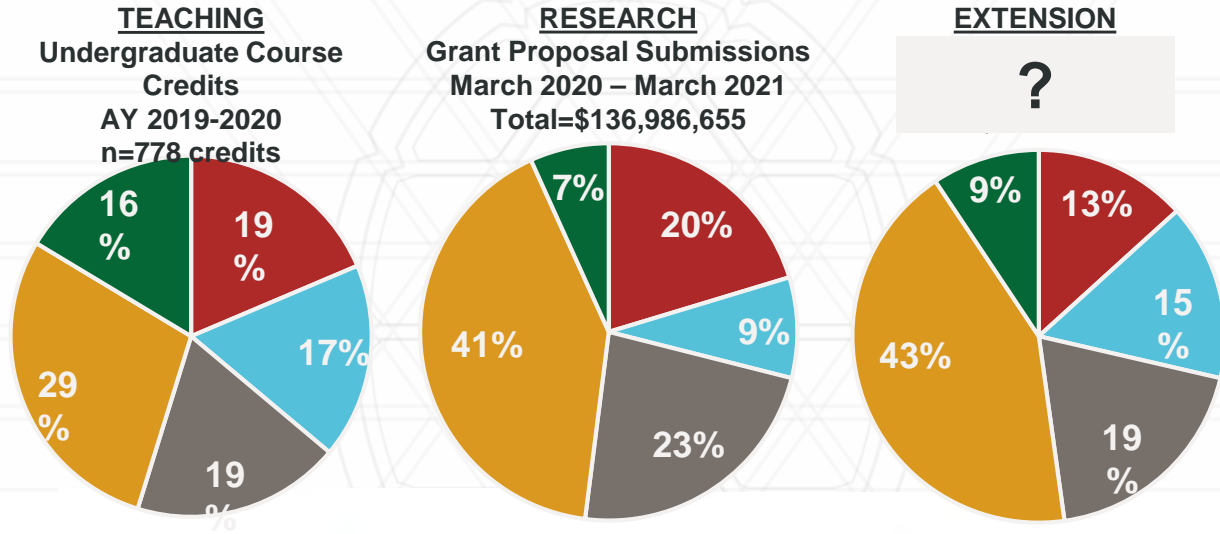
- **New Grant Award:** Increasing Awareness of Well Drinking Water Quality of the Farming Community in Maryland. Funding agency: NE SARE
  - PI's: **A. Lazur**, R. Goldstein (SPH), and five Ag Agents: **B. Beale, S. Dill, S. Hirsh, A. Leslie and K. Nichols**
- **New Peer Reviewed Journal Article:** “Towards attaining green sustainability goals of cities through social transitions: Comparing stakeholders’ knowledge and perceptions between two Chesapeake Bay watersheds, USA”
  - Debasmita Patra, Victoria Chanse, **Amanda Rockler**, Sacoby Wilson, Hubert Montas, Adel Shirmohammadi, Paul T. Leisnham
- **Best Student Presentation Award – Dr. Allen Pattillo**, Aquaculture America 2021 in San Antonio – “Performance of Aquaculture Effluent for Tomato Production in Outdoor Raised Beds”

# Frank Coale – AGNR Strategic Initiatives



# College of Agriculture & Natural Resources

## Strategic Initiative Implementation



Establish a Healthy Food System and Ensure Global Food and Nutritional Security

Ensure a Clean and Healthy Chesapeake Bay

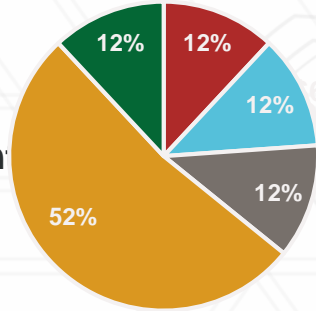
Advance Innovative, Profitable, and Sustainable Agricultural Production Systems

Improve Human, Animal, and Environmental Health

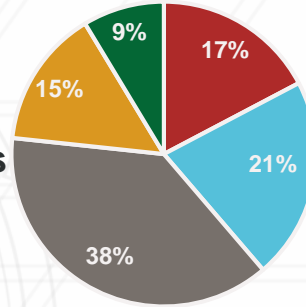
Optimize Urban Environments Through Design, Green Technology, and Community Engagement

University of Maryland Extension (UME) Planned Major Programs  
2020 IEPs, n=518

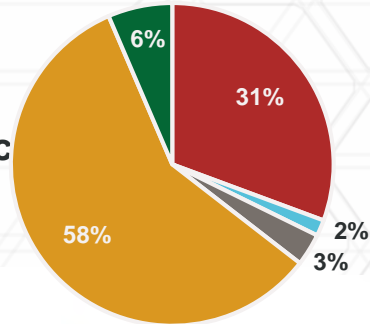
4-H Youth Development  
n=67



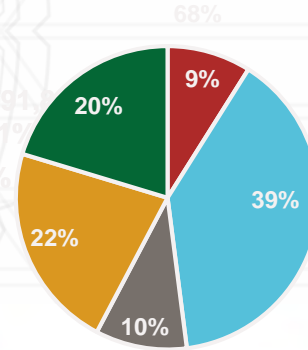
Agriculture & Food Systems  
n=266



Family & Consumer Science  
n=62

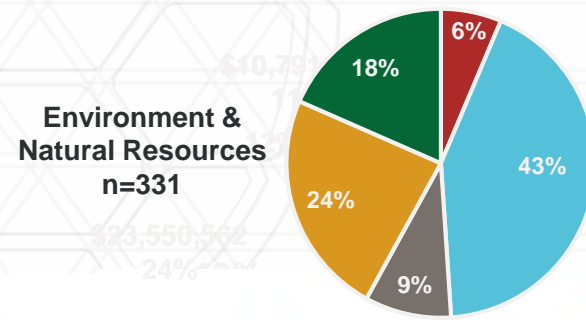
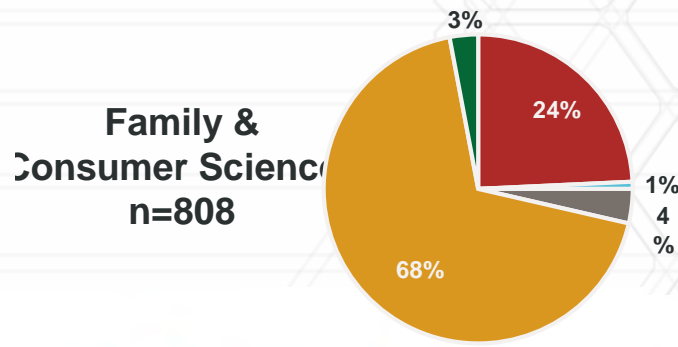
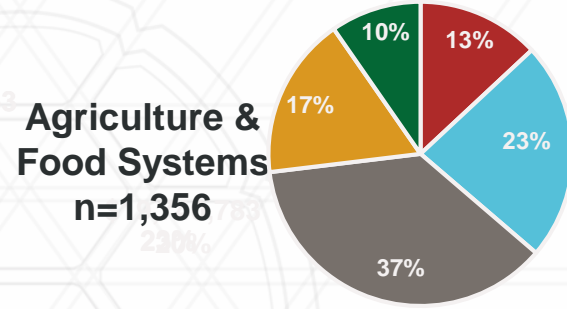
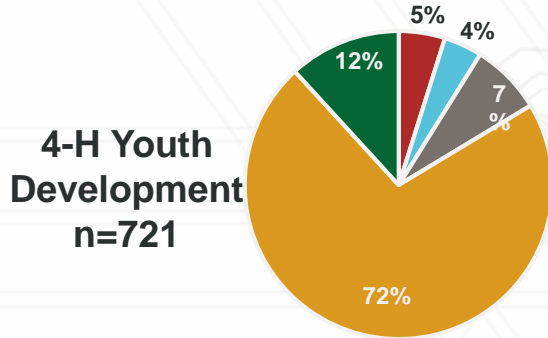


Environment & Natural Resources  
n=123



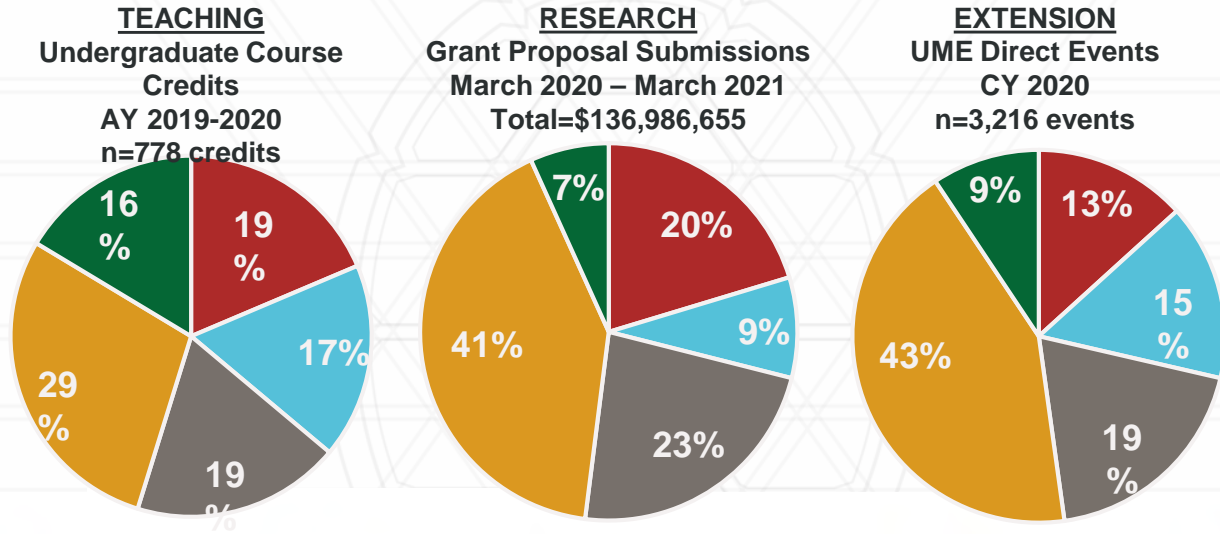


University of Maryland Extension (UME) Direct Events  
CY 2020, n=3,216



# College of Agriculture & Natural Resources

## Strategic Initiative Implementation



# John Erwin - PSLA

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Update from the Department of Plant Science and Landscape Architecture:



# Opportunities to Collaborate: Extension and the Department of Plant Science and Landscape Architecture



- 42 faculty and instructors
- 60 Graduate students
- 170 undergraduates
- 9 staff

Horticulture  
Agronomy  
Plant Biology  
Plant Pathology  
Landscape Architecture  
Food Safety



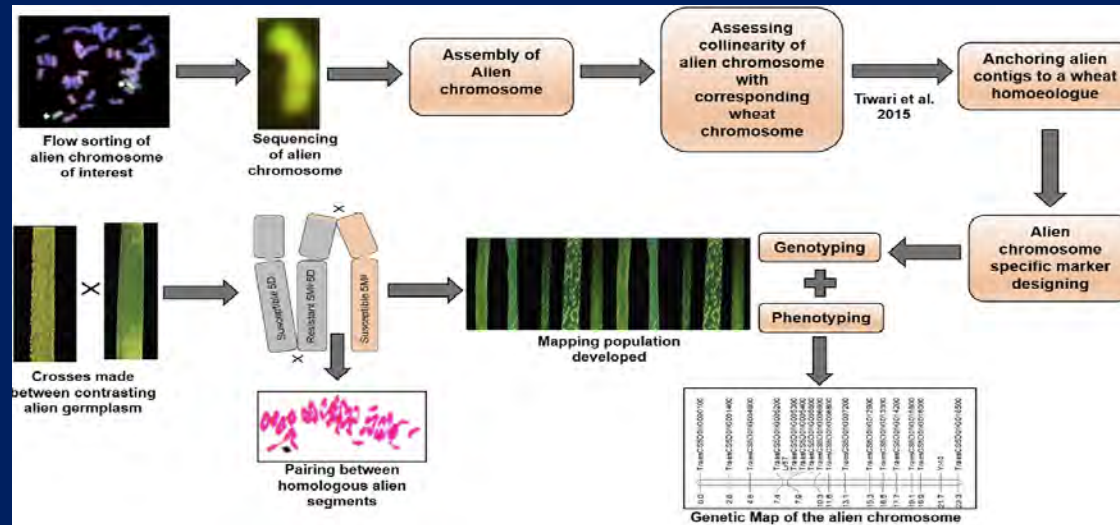




Grounded in a strong belief in the land grant philosophy – our primary responsibility is to connect with and help all Marylanders

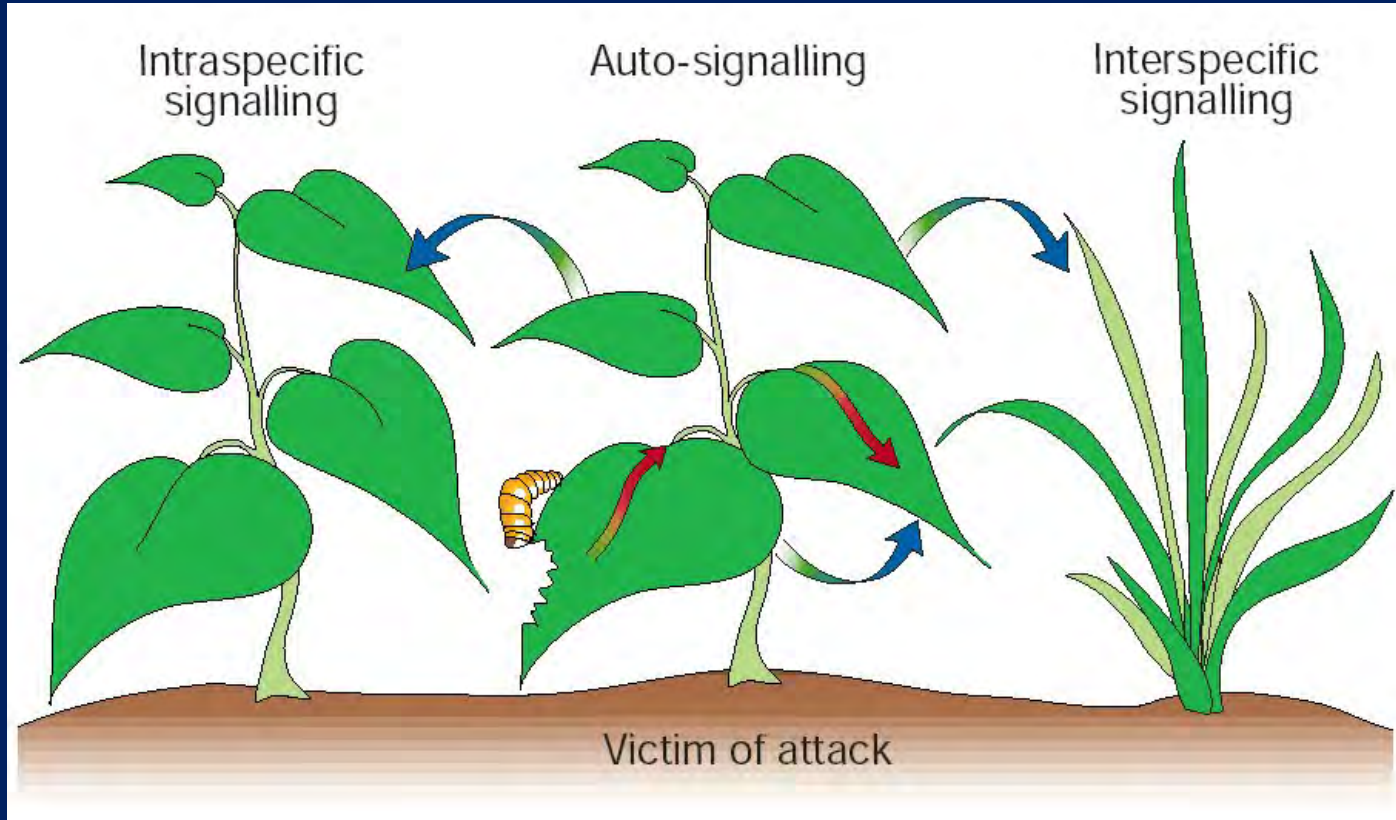


We focus on applied and translational research – work that takes advances in basic science and applies them in new ways to improve production systems.



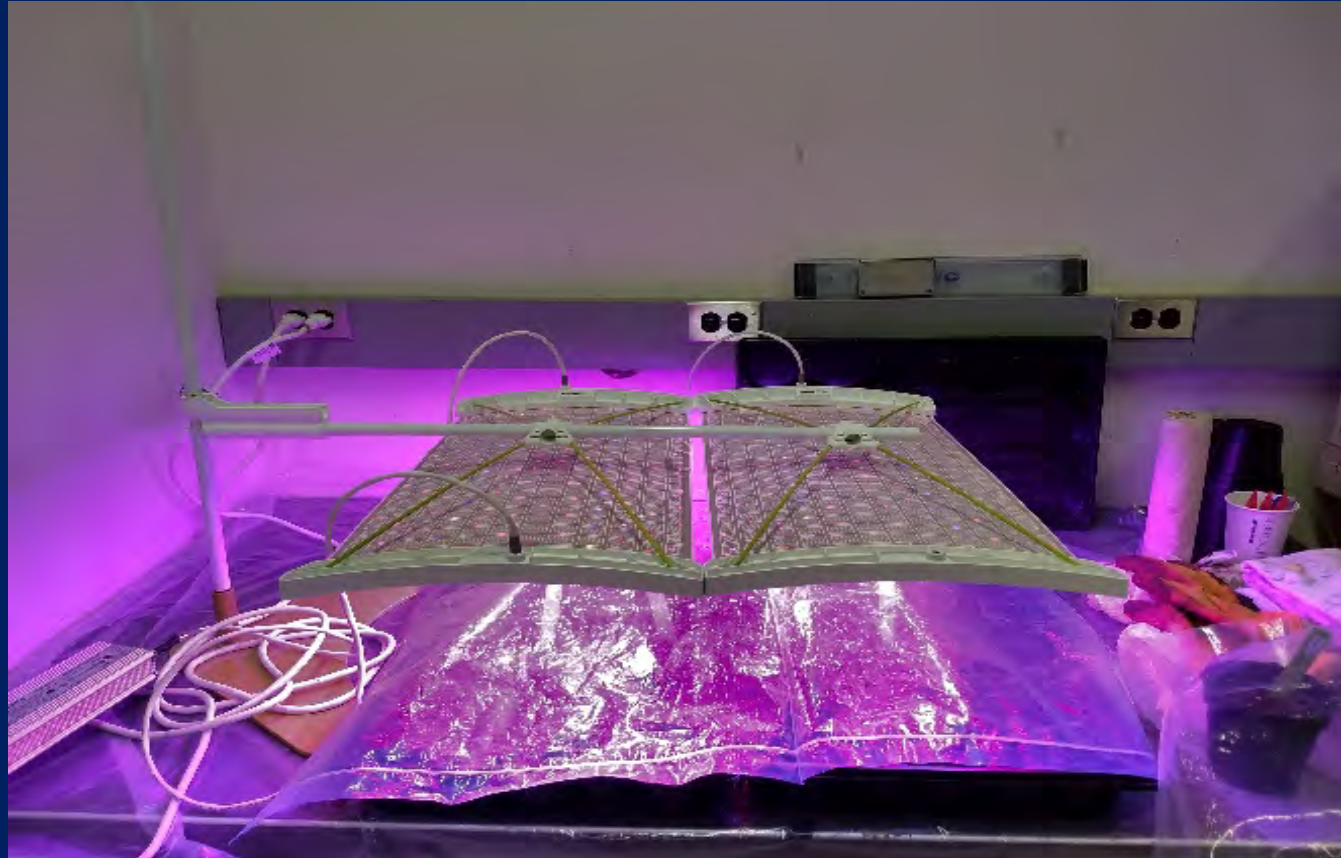


# Airborne interplant signalling for plant defence





# Modular Solar/Battery/LED/Charge-Back System



Wildtype Arabidopsis  
leaves in the presence  
of Fusarium



Transformed Arabidopsis including the Fusarium  
resistance gene in a solution containing Fusarium

# Where is PSLA going . . . ?



- Mitigating negative effects of climate change
  - Biotic and abiotic stress tolerance – special emphasis on disease, salt and high temperature tolerance,
- Food security
  - Diversification of the supply chain,
  - Increasing the nutritional value of food
  - Maximizing food safety
- Addressing inequities in food access
  - Bringing food production into non-traditional spaces
  - Collaboratively working with underrepresented communities to provide access to foods that they desire.
  - Reducing the price of fresh, nutritious foods.

# We need help!



- Outreach with traditionally underserved and new communities in non-traditional places
  - Farmers markets, churches, grocery stores, parks
- Working with new constituencies
  - Restaurateurs
  - Government
  - Kids!
- Working with traditional constituencies
  - I am finding that the relationship between traditional Ag and UMD-CP needs to be repaired and strengthened.

# Fermentation Science





Questions?





COLLEGE OF  
AGRICULTURE &  
NATURAL RESOURCES

Thank you