PURDUE UNIVERSITY | Horticulture and Landscape Architecture

HLA HAPPENINGS

Issue 22-42 / November 11, 2022

In this issue:

BRIEFS

1869 TREE PLANTING MASTER PLAN WAS FOCUS FOR THIS YEAR'S PURDUE DAY OF SERVICE

A group of volunteers planted 325 trees for the **1869 Tree Planting Master Plan** at the Purdue Horticulture Park during this year's Purdue Day of Service: Volunteers Plant 325 Trees During Second Purdue Day of Service

BEHIND THE RESEARCH: BECKY STEVENSON

Agricultural Research and Graduate Education's "Behind the Research" spotlighted **Becky Stevenson**'s role in helping to further HLA's research mission.

DR. YING LI RECEIVES GRANT

Dr. Ying Li has received a BSF grant (US-Israel Binational Science Foundation) to study the role of epigenetics in the post harvest storage of grape fruits.

EMMANUEL COOPER RECEIVES TRAVEL AWARD

Emmanuel Cooper, graduate student in the Horticulture Crops Weed Science Lab, received a Travel Award from the North Central Weed Science Society. The competitive award is given to up to six graduate student attending the North Central Weed Science Society's Annual Meeting for the first time. Congratulations, Emmanuel!

DR. AARON PATTON AWARDED FELLOW OF THE CROP SCIENCE SOCIETY OF AMERICA

Dr. Aaron Patton was awarded Fellow of the Crop Science Society of America earlier this week at their annual meeting. Fellows are nominated based on their professional achievements and meritorious service. Congratulations to Dr. Patton for receiving this honor!

CENTER FOR COMMUNITY AND ENVIRONMENTAL DESIGN (CCED) SERVICE LEARNING PROJECT WINS AWARD

A **Center for Community & Environmental Design (CCED)** service learning project wins the 2022 Accelerate Indiana Municipalities (AIM) Placemaking Award. The renovation of J Long Memorial Second Street Park is a unique collaboration involving local government, residents, and civic organizations of Connersville, Indiana, along with Purdue Extension and the Landscape Architecture Program. The park design, led by **Dr. Aaron Thompson**, engaged nineteen students in landscape architecture during the fall 2019 semester and was supported by the CCED-National Park Service partnership to assist Connersville residents in agreeing to a vision for this future space. The rehabbed park is currently under construction, overseen by landscape architects with Rundell Ernstberger Associates, and is expected to open to community residents in spring 2023. More about this unique partnership between Purdue classroom and extension programming is available in the award video available here: https://fb.watch/gF2afd6_Hm/

TURF STUDENTS VOLUNTEERED AT SEMINOLE GOLF CLUB

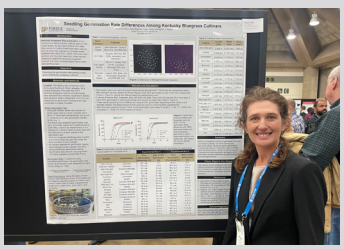
Austin Cline, **Eli Ziliak**, and **Max Schimmel**, turf management and science undergraduates, were up before dawn volunteering at the Jackson T. Stephens Cup over Purdue's fall break. The event was held at the Seminole Golf Club in Juno Beach, Florida.

TURF GRADUATE STUDENTS WIN AWARDS AT CROP SCIENCE SOCIETY OF AMERICA ANNUAL MEETING

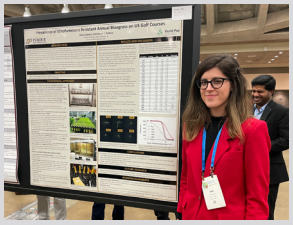
Jada Powlen, Amanda Folck, and Vera Vukovic.

Several of our graduate students in Turfgrass Science placed in graduate student research poster presentations at the Crop Science Society of America Annual Meeting earlier this week.

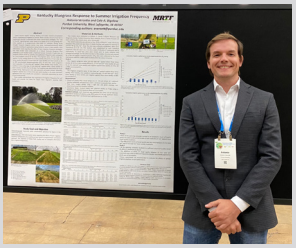
Jada Powlen, 1st place, in the Crop Science Society of America, Turfgrass Science Division (C-5), graduate student research poster presentation contest, industry section, 2022. Baltimore, MD.



Amanda Folck, 1st place, in the Crop Science Society of America, Turfgrass Science Division (C-5), graduate student research poster presentation contest, general turf section, 2022. Baltimore, MD.



Vera Vukovic, 2nd place, in the Crop Science Society of America, Turfgrass Science Division (C-5), graduate student research poster presentation contest, industry section, 2022. Baltimore, MD.



Antonio Verzotto, 2nd place, in the Crop Science Society of America, Turfgrass Science Division (C-5), graduate student research poster presentation contest, water conservation section, 2022. Baltimore, MD.

SOUTHERN FFA CHAPTER VISIT TO HLA

Several FFA Chapters visited the College of Agriculture and toured several departments while attending the National FFA Convention in Indianapolis, Indiana. Dr. Stacy Eckels, Department Chair-Agricultural Science and Southern FFA Advisor, stopped by with several members of the Southern FFA Chapter to learn more about the undergraduate programs in horticulture and landscape architecture. **Dr. Michael Dana** and **Robin Tribbett** hosted this very talented group of FFA members from Southern High School, Harwood, Maryland.

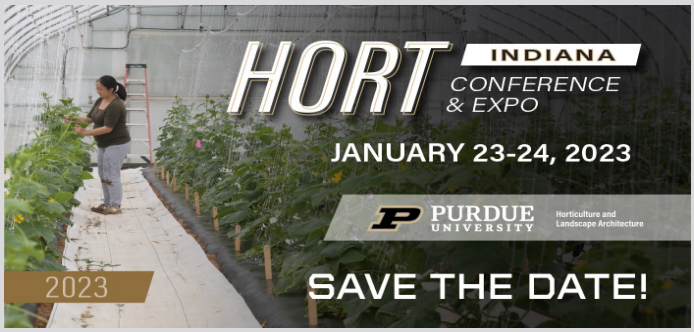
PETER HIRST HOSTED THIRD GRADERS

Peter Hirst hosted 7 classes of 3rd graders from West Lafayette Elementary School at the Meigs farm. As well as learning about apples, the kids learned about genetics, mitosis, math, health, and nutrition. Thanks to Chloe Richard, Paul Howard and Jay Young at Meigs for their able assistance.

WORKSHOP ON HYDROPONICS AND FLORICULTURE PRODUCTION

There was a great turn-out for the Hydroponics and Floriculture Workshop, held on November 3 and led by **Dr. Krishna Nemali**. Thanks to everyone involved for making it a successful workshop.

SAVE THE DATE: INDIANA HORT CONFERENCE 2023



Newsletters

- Facts for Fancy Fruits: https://fff.hort.purdue.edu/
- Vegetable Crops Hotline: https://vegcropshotline.org/
- Purdue Landscape Report: https://www.purduelandscapereport.org/
- Greenhouse and Indoor Production of Speciality Crops: https://mdc.itap.purdue.edu/newsearch.asp?sub-CatID=425%20&CatID=10

HLA BOWLING TEAM THIS WEEK

Our team **Split Happens** played against Eamus Catuli Monday afternoon at Mike Aulby's Arrowhead Bowl for Week 11 of the Purdue Staff and Students league. We won 2 out of 8 points, placing our team in 5thplace.

In the Women's Category, **Alexandra Jewell** placed 1st with scratch game scoring a 226, placed 1st with scratch series scoring a 578, placed 2nd with handicap game scoring a 282, and placed 1st with handicap series scoring a 746.

Ashley Adair tied for 7th with handicap game scoring a 251 and placed 4th with handicap series scoring a 717.

No placements in the Men's Category this week.

2022 HLA FALL SEMINAR - DR. SAM E. WORTMAN

Dr. Sam E. Wortman, Associate Professor Department of Agronomy & Horticulture, University of Nebraska-Lincoln

Thursday November 17th, at 3:30pm

VIRTUAL ONLY

"Developing a biobased fabric mulch system for high-density specialty crops"

Abstract: Mulch films and fabrics are critically important weed management tools in organic specialty crop production but are not practical for use in high-density crops like carrot, leafy greens, and matted-row strawberry. Instead, hand weeding is common in these crops, but the cost and scarcity of labor limits the sustainability of organic production. Our recent research efforts have been focused on leveraging the unique characteristics of biobased fabrics to develop a production system where compost is spread on top of the mulch membrane and vegetable seeds or strawberry runners root directly through it. The goal of this research is to use biobased fabrics to eliminate hand weeding and increase the climate resilience of specialty crops by reducing evaporative soil water loss and moderating extreme root zone temperatures. Results from greenhouse and field trials from the past four years will be shared, including lessons learned about the effects of biofabric composition on weed suppression, soil moisture and temperature, nitrogen availability, microbial dynamics, and crop establishment and yield.

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