

HLA HAPPENINGS

Issue 23-28 / July 28, 2023



In this issue:

- [Ian Kelly's Summer Internship at Ball Horticulture](#)
- [Dr. Lori Hoagland and Cristian Salinas Traveled to Peru](#)
- [2023 Small Farm Education Field Day](#)
- [Dr. Krishna Nemali and Sangrak Son Visit Pure Green Farms](#)
- [Graduate Students Graduating in August](#)
- [Visit the Purdue Extension Master Gardener Booth at the Indiana State Fair](#)
- [Fatemeh Sheibani, Dr. Cary Mitchell and Colleagues Publishes New Article in Frontiers in Plant Science](#)
- [Miranda Purcell Presented at the Indiana Winery and Vineyard Association Summer Meeting](#)
- [Ariana Torres presented at 2023 Ag Economics Conference](#)
- [Southwest Purdue Agriculture Center Hosted Melon Trial Open House](#)
- [Kyle Daniel Will Attend Indiana Nursery and Landscape Association's Annual Summer Meeting](#)
- [Newsletters](#)

IAN KELLY'S SUMMER INTERNSHIP AT BALL HORTICULTURE



This summer **Ian Kelly** (Senior/Horticulture Production and Marketing) is a Young Plant Culture Research Intern at Ball Horticulture Company in West Chicago, IL.

The most rewarding part of this experience for Ian: Meeting so many important figures in the horticulture industry at events such as Cultivate! Despite having an area of focus, Ball Horticulture encourages interns to branch out to other departments in the company. Ian has worked in greenhouses, the main office, and recently in

the Research and Development department. "Even just a couple weeks into the experience, I've learned a lot and started my own research project looking at chilling injury of young plants in multiple species and already the preliminary results from my project have sparked interest from other people within the company to try their cold-resistant varieties."

Ian's biggest challenge was balancing his internship, summer classes, and life. "But it has definitely been a lot trying to output my best at the internship, get good grades in the summer classes, enjoy time with my new friends, and keep in touch with Purdue friends and family. That all being said, it's definitely achievable while keeping your sanity and I think it'll become rewarding once it's all said and done and I can look back and see what I accomplished this summer."

Ian's piece of advice to those considering an internship: "An internship is a great way to find out what you do and don't like doing; what we learn at college can broadly apply to different areas within the same major/field so getting a taste for the day-to-day life is invaluable. This is my second internship with my first being for the West Lafayette Parks and Recreation Department - I learned a lot of professional skills and personal development while working there but it also had my shift my career focus into something more like what Ball Horticultural does."

DR. LORI HOAGLAND AND CRISTIAN SALINAS TRAVELED TO PERU

HLA Professor and Co-Director of the Arequipa Nexus Institute (ANI) **Lori Hoagland** and ESE/HLA PhD student **Cristian Salinas** traveled to Arequipa, Peru to kick-off phase III of ANI, which will fund four interconnected projects focused on organic crop production, alpaca fiber quality, renewable energy, and regenerative tourism.

During their visit they met with their research partners at the University of San Augustin (UNSA) and the mayors of the three communities in the Colca River Valley where the phase III projects will focus their efforts. Hoagland and Dennis Macedo (UNSA Professor and ANI Co-Director) will co-lead the organic crop production project, working with local stakeholders to evaluate and improve the health of their soils and deal with contamination if present, integrate and better manage new high-value

vegetable crops in the region with fitotoldos (high-tunnel like structures), and develop a new MS program in Agroecology at UNSA. Salinas will investigate how science diplomacy can contribute to the development of sustainable solutions to agricultural and environmental challenges.



After a meeting with some of the faculty at UNSA who are part of the phase III projects at their new Technological Park, which was modeled after Purdue's Discovery Park.



Mario Pacheco (Mayor of Madrigal), Lori Hoagland, and Dennis Macedo inspect a field of garlic where contamination from a nearby abandoned mine is suspected.



Cristian Salinas receives a typical local garment from the Jose Saryasi (Mayor of Yanque) in appreciation for the visit and new partnership.



Rosa Cossio (ANI Program Manager; center in black) learns about some of the challenges vegetable growers are experiencing in fitotoldos.

2023 SMALL FARM EDUCATION FIELD DAY



The Purdue Small Farm Education Field Day was held July 27 at the Purdue Student Farm. Around a hundred participants came out to learn about the latest research from Purdue Extension specialists and researchers to help small farmers in Indiana. **Petrus Langenhoven** and **Dennis Gustavo Toc Mo** ("High Tunnel Pepper Production and Variety Selection"), **Miranda Purcell** ("High Tunnel Table Grape Production"), **Steve Meyers** ("Silage Tarps and Their Potential Uses on Small Farms"), **Wenjing Guan**, **Emerson Luna**, **Wil Brown-Grimm** ("Growing Grains on the Small Farm - Dry Edible Bean Variety Trial") and the students from the **Purdue Student Farm** all presented at the field day. Colleagues from Entomology, Food Science, and Diversified Farming and Food Systems also presented.

NEMALI VISITS PURE GREEN FARMS, INDIANA



Dr. Krishna Nemali was invited by Pure Green Farms-a large greenhouse-based hydroponics facility in South Bend, Indiana, to assess their production protocols and help them improve their practices and crop yields. Nemali and his student, Sangrak Son, are seen inspecting plants. Thanks to Gaby Lin, a Purdue graduate student from ABE currently interning at the Pure Green Farms, for sharing her experiences and taking pictures

GRADUATE STUDENTS GRADUATING IN AUGUST

Congratulations to the following HLA's graduate students for successfully defended their theses, completed their degrees, and will graduate in August. We wish them all the best!

- **Fatemeh Sheibani**, Ph.D. Under Dr. Cary Mitchell
- **Emily Kuhn**, MS under Dr. Ying Li
- **Scott Benzinger**, MS under Dr. Josh Widhalm

VISIT THE PURDUE EXTENSION MASTER GARDENER BOOTH AT THE INDIANA STATE FAIR



John Orick, Karen Mitchell, and Pam Fisher traveled to Indianapolis to set up the **Purdue Extension Master Gardener Plant Info to Go** Booth at the Indiana State Fair. Master Gardener Volunteers will be on hand to answer lawn and garden questions, provide information about the Purdue Extension Master Gardener Program, and challenge fair attendees with their lawn weed knowledge. If you are at the fair, please visit the booth in the Purdue Extension Building (formerly the Farm Bureau Building) during the Indiana State Fair, July 28-August 20.

FATEMEH SHEIBANI, DR. CARY MITCHELL AND COLLEAGUES PUBLISHES NEW ARTICLE

Fatemeh Sheibani, Cary Mitchell, and industry collaborators published an article entitled "[Close-canopy lighting, an effective energy-saving strategy for overhead sole-source LED lighting in indoor farming](#)" in the journal *Frontiers in Plant Science*.

MIRANDA PURCELL PRESENTED AT THE INDIANA WINERY AND VINEYARD ASSOCIATION SUMMER MEETING



Miranda Purcell presented 'Wine Grape Varieties for Indiana from Grape to Glass' at the Indiana Winery & Vineyard Association Summer Meeting at Daniel's Vineyard on Tuesday, July 25th

ARIANA TORRES PRESENTED AT 2023 AG ECONOMICS CONFERENCE

Ariana Torres presented at the 2023 Ag Economics conference in Washington DC. Her presentation titled "Market Opportunities for Small Grains."

SOUTHWEST PURDUE AGRICULTURE CENTER HOSTED MELON TRIAL OPEN HOUSE

Indiana is one of the major watermelon and cantaloupe producing states. Variety selection based on yield, disease resistance, fruit quality is one of the critical decisions in production. Southwest Purdue Agricultural Center conducts watermelon and melon variety trials every year. We have 73 varieties in the trials this year. The trial results will be summarized and presented to melon growers later in the year. On July 26, we conducted a variety trial open-house. Groups from five seed companies visited the trials.

KYLE DANIEL WILL ATTEND INDIANA NURSERY AND LANDSCAPE ASSOCIATION'S ANNUAL SUMMER MEETING

Kyle Daniel will be attending the Indiana Nursery and Landscape Association's Annual Summer Meeting <https://inla1.org/summer-tour/>. He will be teaching nursery practices, weed control, and transplanting nursery stock during the morning and afternoon nursery tours.

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>

It is the policy of the Purdue University that all persons have equal opportunity and access to its educational programs, services, activities, and facilities without regard to race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability or status as a veteran. Purdue is an Affirmative Action Institution. This material may be available in alternative formats.

HLA Happenings © Purdue University - www.purdue.edu/hla/sites/hla-happenings

Editor: Pam Fisher | Department of Horticulture and Landscape Architecture, 625 Agriculture Mall Dr., West Lafayette, IN 47907