

HORT INDIANA CONFERENCE & EXPO

January 22-23, 2024

Hendricks County Fairgrounds, Danville, IN

2024



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Horticulture and Landscape Architecture

www.IndianaHortConference.org





HORT INDIANA CONFERENCE & EXPO

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HORT INDIANA CONFERENCE & EXPO

Welcome to the 2024 Indiana Hort Conference and Expo!

This year's Conference will look a lot different than in the recent past — location, venue, and educational tracks have changed. The interruption of in-person meetings changed the way we exchange information and engage with one another. It also challenged the sustainability of large-venue conferences. As we move the Indiana Hort Conference and Expo into the future, we will rely on your input. All attendees will receive a survey after the Conference to provide feedback. We encourage you to use this time to tell us what you liked and what needs to be improved. Or email your suggestions to inhortconference@purdue.edu.

Despite the changes, some things remain the same. We have several educational sessions and posters full of great information for commercial fruit and vegetable growers. Please feel free to move among rooms and ask questions. PARP sessions will be offered at the end of each day. We are excited to continue the Apple Cider Contest this year with bragging rights on the line.

One of the most beneficial parts of this meeting is the informal conversations among attendees. To encourage this, we have arranged a social hour in the North and South Halls — complete with local beer, great food, and cornhole. This year's meeting also includes lunch and coffee breaks on both days. Take this time to meet someone new or catch up with old friends.

Finally, thank you to those who support the Conference through financial and in-kind contributions. For a list of this year's sponsors, see page 3. We also encourage you to visit the vendor booths and the silent auction in the North Hall. Thank you to the education session track leaders and presenters for sharing their time and knowledge. And thank you. We know your time is valuable, and we are grateful you are here.

Sincerely,

Stephen Meyers, Miranda Purcell,
and Nathan Deppe
*Indiana Horticultural Conference
and Expo Co-Chairs*
Purdue University
Department of Horticulture &
Landscape Architecture

Matt Chandler
Indiana Hort Society President
and
John Young
*Indiana Vegetable Growers Association
President*

2024 SPONSORS



CONFERENCE DETAILS

REGISTRATION

January 22 & 23 / 8:00 am - 5:00 pm / North Hall

Please stop by the registration desk to sign in and pick up your name badge and publications. Name badges must be worn to all sessions.

EXPO

January 22 & 23 / 9:00 am - 4:00 pm / North Hall

The Expo features a wide range of exhibitors including vendors of seed, agricultural supplies, and farm services. We encourage you to visit the exhibits.

SILENT AUCTION

January 22 & 23 / North Hall

A silent auction will be held to benefit the Fruit Research and Extension Fund and the Vegetable Research and Extension Fund. In addition to raising funds to help support these programs, the Silent Auction is a great opportunity for attendees to pick up useful, interesting and sometimes unusual items. If you would like to donate an item, please stop by the registration desk.

SOCIAL & NETWORKING EVENT

Monday, January 22 / 5:00 - 7:30 pm / North Hall

Please join us for the IHC Social & Networking event. Enjoy the company of fellow growers, exhibitors, and guests in an informal setting.

CIDER CONTEST

Tuesday, January 23 / 12:00 - 1:00 pm / North Hall

Our favorite Indiana cider makers will be bringing their cider to the 2024 Indiana Horticultural Conference & Expo for our traditional cider contest on Tuesday, January 23rd.

Ciders will be judged to determine the best cider produced by Indiana cider makers. Submit two 1 gallon jugs of cider to the Indiana Horticultural Conference registration desk personnel when you arrive at the Hendricks County Fairgrounds, 1900 E Main St, Danville, IN 46122.

CONFERENCE DETAILS

CREDITS

Certified Crop Advisor (CCA), Private Pesticide Applicator (PARP), and Commercial Pesticide Applicator (CCH) credits are available at this conference. Those seeking CCH should secure a Continuing Certification Record page in their first educational track. Those seeking CCA Continuing Education Units (CEUs) should sign the CCA-CEU sign-in sheet located at Registration at the end of each day. For more information about PARP requirements, see page 29.

MEET THE PARTNERS

The annual IHC is sponsored by Indiana horticultural associations, the Purdue University Departments of Horticulture and Landscape Architecture, Entomology, Botany and Plant Pathology, Food Science, Agriculture Economics, and the Purdue Extension.

Affiliated Organizations:

- Indiana Farm Marketing Association (IFMA)
- Indiana Horticultural Society (IHS)
- Indiana Hydroponics Growers Association (IHGA)
- Indiana Vegetable Growers Association (IVGA)
- Red Gold
- Safe Produce IN, Purdue Extension

QUESTIONS

Phone: (765) 494-1296

Fax: (765) 494-0391

ljollybr@purdue.edu

www.indianahortconference.org



CONFERENCE MAP



MONDAY, JANUARY 22, 2024

Today's Highlights

REGISTRATION & LIGHT BREAKFAST (North Hall)

8:00 am - 9:00 am

POSTER SET UP (Main Entry Corridor)

8:00 am - 9:00 am

EXPO TRADE SHOW (North Hall)

9:00 am - 4:00 pm

SILENT AUCTION (North Hall)

9:00 am - 4:00 pm

POSTER SESSION & COFFEE BREAK (Main Entry Corridor)

2:30 pm - 3:00 pm

PARP RECERTIFICATION (South Hall)

4:00 pm - 4:30 pm

INDIANA HORT CONFERENCE & EXPO

EVENING SOCIAL

5:00 - 7:30 pm

Hendricks County Fairgrounds

North and South Halls

Monday, January 22, 2024

Schedule at-a-glance

P = PARP Recertification Credits

Monday January 22	RAW PRODUCTS (Red Gold) <i>South Hall</i>	FRESH VEGETABLES <i>Classrooms A - C</i>
8:00-9:00	Registration & Light Breakfast (North Hall)	
9:00-9:30		No-Till Sweet Corn
9:30-10:00	Tomato Industry Update	Pumpkin IPM P
10:00-10:30	Recent Climate Trends and the National Climate Assessment	
10:30-11:00	Coffee Break and Refreshments (North Hall)	
11:00-11:30	Taking Care of Your Crop: It's OK with an emphasis on the K, tools and timing for pest management P	Sweet Potatoes P
11:30-12:00		Investigations Into Why Cantaloupes & Watermelons Wilt P
12:00-1:00	Lunch Break (North Hall)	
1:00-1:30	Adjuvants and Water Quality P	Hight Tunnel IPM
1:30-2:00		
2:00-2:30	Does Bee Pollination Improve Tomato Yield?	Phytophthora Blight in Peppers P
2:30-3:00	Coffee Break and Poster Session (Main Entry Corridor)	
3:00-3:30	Irrigation Workshop for Vegetable Growers (South Hall) P	
3:30-4:00		
4:00-4:30	PARP Recertification, Worker Protection Standards (South Hall) P	
5:00-7:30	<p><i>INDIANA HORT CONFERENCE & EXPO</i> SOCIAL & NETWORKING EVENT Hendricks County Fairgrounds North and South Halls</p>	

EXPO TRADE SHOW OPEN TODAY

9:00 am - 4:00 pm

FOOD SAFETY <i>Conference Rooms 1 & 2</i>	EXPO TRADE SHOW <i>North Hall</i>
Registration & Light Breakfast (North Hall)	
Introduction to SafeProduceIN and Available Food Safety Resources/Support	<p>9:00 am to 4:00 pm</p> <p>Don't forget to visit the SILENT AUCTION booth at the EXPO.</p>
Overview of the Indiana State Department of Agriculture	
Implementation of On-Farm Food Safety Programs	
Coffee Break and Refreshments (North Hall)	
Postharvest Sanitizers for Cantaloupe and Watermelon Processing	
Use of Various Wavelength of Lights for the Reduction of <i>E. coli</i> O157:H7 in Indoor Growing Operations	
Lunch Break (North Hall)	
Composition of Food Contact Surfaces and Impact on Food Safety	
Small Farm Adjustments for Food Safety	
Overview of the Food Entrepreneurship and Manufacturing Institute	
Coffee Break and Poster Session (Main Entry Corridor)	
Updates to the Indiana Home-Based Vendor (HBV) Rule	
PARP Recertification, Worker Protection Standards (South Hall) P	
<p><i>INDIANA HORT CONFERENCE & EXPO</i> SOCIAL & NETWORKING EVENT Hendricks County Fairgrounds North and South Halls</p>	

Monday, January 22, 2024

Trade Show Hours: 9:00 am – 4:00 pm

Raw Products (Red Gold) / South Hall	
8:00 am – 9:00 am	Registration and Light Breakfast
9:30 am – 10:00 am	Tomato Industry Update <i>AJ Anderson, Red Gold</i>
10:00 am – 10:30 am	Recent Climate Trends and the National Climate Assessment: A roadmap for future Indiana agriculture <i>Beth Hall, Indiana State Climatologist, Purdue University</i>
10:30 am – 11:00 am	Coffee Break and Refreshments (North Hall)
11:00 am – 12:00 pm	Taking Care of Your Crop, it's OK - with an emphasis on the K, tools and timing for pest management P <i>David Francis, The Ohio State University, Red Gold Grower Panel</i>
12:00 pm – 1:00 pm	Lunch, provided (North Hall)
1:00 pm – 2:00 pm	Adjuvants and Water Quality P <i>Fred Whitford, Purdue University</i>
2:00 pm – 2:30 pm	Does Bee Pollination Improve Tomato Yield? Evaluating pollination services in processing tomatoes <i>Ella Stroh, Purdue University</i>
2:30 pm – 3:00 pm	Coffee Break and Poster Session (Main Entry Corridor)
3:00 pm – 4:00 pm	Irrigation Workshop for Vegetable Growers P (South Hall) <i>Younsuk Dong, Michigan State University, Wenjing Guan and Liz Maynard, Horticulture & Landscape Architecture, Purdue University</i>
4:00 pm – 4:30 pm	PARP Recertification, Worker Protection Standards P (South Hall) <i>Fred Whitford, Purdue Pesticide Program, Purdue University</i>
5:00 pm – 7:30 pm	Evening Social (North and South Halls) Hendricks County Fairgrounds

Monday, January 22, 2024

Trade Show Hours: 9:00 am – 4:00 pm

Fresh Vegetables / Classrooms A-C	
8:00 am – 9:00 am	Registration and Light Breakfast
9:00 am – 9:30 am	No-Till Sweet Corn <i>Liz Maynard, Horticulture & Landscape Architecture, Purdue University</i>
9:30 am – 10:30 am	Pumpkin IPM P <i>Dan Egel, Southwest Purdue Ag Center, Botany and Plant Pathology, Purdue University, Stephen Meyers and Liz Maynard, Horticulture & Landscape Architecture, Purdue University, Laura Ingwell, Entomology, Purdue University</i>
10:30 am – 11:00 am	Coffee Break and Refreshments (North Hall)
11:00 am – 11:30 am	Sweet Potatoes P <i>Emmanuel Cooper and Stephen Meyers, Horticulture & Landscape Architecture, Purdue University</i>
11:30 am – 12:00 pm	Investigations Into Why Cantaloupes and Watermelons Wilt P <i>Dan Egel, Southwest Purdue Ag Center, Botany and Plant Pathology, Purdue University</i>
12:00 pm – 1:00 pm	Lunch, provided (North Hall)
1:00 pm – 2:00 pm	High Tunnel IPM <i>Kacie Athey and Bronwyn Aly, University of Illinois Extension</i>
2:00 pm – 2:30 pm	Phytophthora Blight in Peppers P <i>Dan Egel, Southwest Purdue Ag Center, Botany and Plant Pathology, Purdue University</i>
2:30 pm – 3:00 pm	Coffee Break and Poster Session (Main Entry Corridor)
3:00 pm – 4:00 pm	Irrigation Workshop for Vegetable Growers P (South Hall) <i>Younsuk Dong, Michigan State University, Wenjing Guan and Liz Maynard, Horticulture & Landscape Architecture, Purdue University</i>
4:00 pm – 4:30 pm	PARP Recertification, Worker Protection Standards P (South Hall) <i>Fred Whitford, Purdue Pesticide Program, Purdue University</i>
5:00 pm – 7:30 pm	Evening Social (North and South Halls) Hendricks County Fairgrounds

Monday, January 22, 2024

Trade Show Hours: 9:00 am – 4:00 pm

Food Safety / Conference Rooms 1 & 2

8:00 am – 9:00 am	Registration and Light Breakfast
9:00 am – 9:30 am	Introduction to SafeProduceIN and Available Food Safety Resources/Support <i>Amanda Deering, Food Science, Purdue University and Scott Monroe, Purdue University Extension</i>
9:30 am – 10:00 am	Overview of the Indiana State Department of Agriculture <i>Don Lamb, Director, ISDA</i>
10:00 am – 10:30 am	Implementation of On-Farm Food Safety Programs <i>Tony Phillips, Tony Phillips Consulting, LLC</i>
10:30 am – 11:00 am	Coffee Break and Refreshments (North Hall)
11:00 am – 11:30 am	Postharvest Sanitizers for Cantaloupe and Watermelon Processing <i>Amanda Deering, Food Science, Purdue University</i>
11:30 am – 12:00 pm	Use of Various Wavelength of Lights for the Reduction of E. coli O157:H7 in Indoor Growing Operations <i>Krishna Nemali, Horticulture and Landscape Architecture, Purdue University</i>
12:00 pm – 1:00 pm	Lunch, provided (North Hall)
1:00 pm-1:30 pm	Composition of Food Contact Surfaces and Impact on Food Safety <i>Scott Monroe, Purdue Extension</i>
1:30 pm – 2:00 pm	Small Farm Adjustments for Food Safety <i>Perry Kirkman, Wea Creek Orchard</i>
2:00 pm – 2:30 pm	Overview of the Food Entrepreneurship and Manufacturing Institute <i>Allie Kingery, Food Science, Purdue University</i>
2:30 pm – 3:00 pm	Coffee Break and Poster Session (Main Entry Corridor)
3:00 pm – 3:30 pm	Updates to the Indiana Home-Based Vendor (HBV) Rule <i>Tari Gary, Food Science, Purdue University</i>
4:00 pm – 4:30 pm	PARP Recertification, Worker Protection Standards  (South Hall) <i>Fred Whitford, Purdue Pesticide Programs, Purdue University</i>
5:00 pm – 7:30 pm	Evening Social Hendricks County Fairgrounds North and South Halls

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Monday, January 22, 2024

Trade Show Hours: 9:00 am – 4:00 pm

Poster Session

2:30 – 3:00 pm / Main Entry Corridor

Converting organic waste into agricultural products using *Hermetia illucens*

Milena Agila and Laura Ingwell, Entomology, Purdue University

The buzz about wild bees: Identifying Indiana's specialty crop pollinators

Ella Stroh, Ashley Leach, Zeus Mateos-Fierro, and Ian Kaplan, Entomology, Purdue University

Entomopathogenic nematodes for CPB management

Allison Zablah, Samantha Willden, and Laura Ingwell, Entomology, Purdue University

Mastering home food preservation

Karen Richey, Purdue University Extension Educator, Purdue Extension Food Safety Advisory Board, and Atina Rozhon, Purdue Extension Area Director, Purdue Extension Food Safety Advisory Board

Recruiting good bugs to high tunnel tomato: Companion plants vs. weeds

Samantha Willden, Robert Grosdidier, and Laura Ingwell, Entomology, Purdue University

From grasses to forbs: Enhancing arthropod-mediated ecosystem services with flowering cover crops

Zeus Mateos-Fierro and Ian Kaplan, Entomology, Purdue University, and Ashley Leach, Entomology, Ohio State University

Evaluating compatibility of entomopathogenic nematodes with high tunnel management practices

Julia Wooby, Samantha Willden, Laura Ingwell, and Ian Kaplan, Entomology, Purdue University

Sweet pepper variety performance in response to soil health management

Petrus Langenhoven, Horticulture and Landscape Architecture, Purdue University and Nathan L. Shoaf, Purdue University Extension

Each of us plays a part in preserving our land and protecting pollinators.

Visit our biodiversity and pollinator resources at BeeHealth.org

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TUESDAY, JANUARY 23, 2024

Today's Highlights

REGISTRATION & LIGHT BREAKFAST

8:00 am - 9:00 am

EXPO TRADE SHOW (North Hall)

9:00 am - 4:00 pm

SILENT AUCTION (North Hall)

9:00 am - 3:00 pm

CIDER CONTEST (North Hall)

12:00 pm - 1:00 pm

PARP RECERTIFICATION (South Hall)

4:00 pm - 4:30 pm

TUESDAY EDUCATION

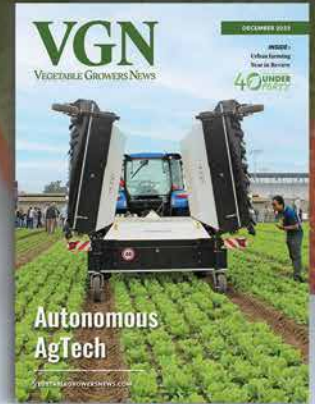
POST CONFERENCE

Your experience and feedback concerning the 2024 IHC conference is important to us!

Please watch your email in the coming days for a brief online survey to help us improve future conferences.

Your participation is voluntary and confidential.

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Tuesday, January 23, 2024

Schedule at-a-glance

P = PARP Recertification Credits

Tuesday January 23	FRUIT <i>(South Hall)</i>	SMALLFRUIT <i>(Classrooms A - C)</i>
8:00-9:00	Registration and Light Breakfast	
9:00-9:30	Endangered Species Act Update	
9:30-10:00	Managing Woody Invasive Plants P	
10:00-10:30	Building Biopesticides Into Your Management Program P	
10:30-11:00	Coffee Break and Refreshments (North Hall)	
11:00-11:30	Doses, Lies & Comforts	
11:30-12:00		
12:00-1:00	Lunch Break & Cider Contest (North Hall)	
1:00-1:30	Economics of Airblast Spraying	
	TREE FRUIT	SMALL FRUIT
1:30-2:00	Wooly Apple Aphid & Plum Curculio Management in Apples P	Not So Latent Viruses for Grapes & Strawberries
2:00-2:30	Pedicle Genetics: Unveiling the Secrets of Apple Fruit Development	Updates on Monitoring Traps for Spotted Wing Drosophila in Small Fruit
2:30-3:00	Coffee Break and Refreshments (North Hall)	
3:00-3:30	Latent Viruses for Apples P	Cover Crops - A Weed Management Option in Plasticulture Strawberry Row Middles P
3:30-4:00	Rootstocks and Orchard Systems	Effects of cultivar and plastic mulch color on strawberry runner production and yield
4:00-4:30	PARP Recertification, Worker Protection Standards (South Hall) P	

TUESDAY EDUCATION

EXPO TRADE SHOW OPEN TODAY

9:00 am - 4:00 pm

BUSINESS & MARKETING <i>(Classrooms A - C)</i>	CONTROLLED ENVIRONMENT AG <i>(Conference Rooms 1 & 2)</i>	TRADE SHOW <i>(North Hall)</i>
Registration and Light Breakfast		
Succession Planning	Opportunities with Vertical Indoor Propagation	9:00 am to 4:00 pm SILENT AUCTION closes today at 3 pm!
Economics of Biological Control	Fertilizer Guidelines for Organic Lettuce Grown in Hydroponic Systems P	
The Power of App Marketing	Workshop on Low-cost Digital Sensors and Mobile Phone Apps for Monitoring Plants	
Coffee Break & Refreshments		
Lunch Break & Cider Contest (North Hall)		
	1:00 pm - 1:45 pm Producing Resilient Container Vegetables for Home Gardeners	
	1:45 pm - 2:30 pm Indoor Propagation and Storage of Strawberry Runner Tips	
2:30 - 2:45 pm Coffee Break and Refreshments (North Hall)		
	Minimizing Contamination of <i>E. coli</i> on Lettuce Grown in Indoor Production Systems	
	Concluding Remarks, Surveys	
PARP Recertification, Worker Protection Standards (South Hall) P		

TUESDAY EDUCATION

Tuesday, January 23, 2024

Trade Show Hours: 9:00 am – 4:00 pm

Fruit / South Hall	
8:00 am – 9:00 am	Registration and Light Breakfast
9:00 am – 9:30 am	Endangered Species Act Update <i>Dave Scott, Office of the Indiana State Chemist</i>
9:30 am – 10:00 am	Managing Woody Invasive Plants P <i>Lenny Farlee, Forestry & Natural Resources, Purdue University</i>
10:00 am – 10:30 am	Building Biopesticides Into Your Management Program P <i>Karly Regan, Certis Biologicals</i>
10:30 am – 11:00 am	Coffee Break and Refreshments (North Hall)
11:00 am – 12:00 pm	Doses, Lies & Comforts <i>Jason Deveau, Ontario Ministry of Agriculture, Food & Rural Affairs</i>
12:00 pm – 1:00 pm	Lunch and Cider Contest (North Hall)
1:00 pm – 1:30 pm	Economics of Airblast Spraying <i>Jason Deveau, Ontario Ministry of Agriculture, Food & Rural Affairs</i>

Tree Fruit / South Hall	
1:30 pm – 2:00 pm	Woolly Apple Aphid & Plum Curculio Management in Apples P <i>Elizabeth Long, Entomology, Purdue University</i>
2:00 pm – 2:30 pm	Pedical Genetics: Unveiling the Secrets of Apple Fruit Development <i>Jairam Danao, Horticulture and Landscape Architecture, Purdue University</i>
2:30 pm – 3:00 pm	Coffee Break and Refreshments (North Hall)
3:00 pm – 3:30 pm	Latent Viruses for Apples P <i>Janna Beckerman, Botany and Plant Pathology, Purdue University</i>
3:30 pm – 4:00 pm	Rootstocks and Orchard Systems <i>Peter Hirst, Horticulture and Landscape Architecture, Purdue University</i>
4:00 pm – 4:30 pm	PARP Recertification, Worker Protection Standards P (South Hall) <i>Presenter TBA</i>

Tuesday, January 23, 2024

Trade Show Hours: 9:00 am – 4:00 pm

Small Fruit / Classrooms A - C	
1:30 pm – 2:00 pm	Not So Latent Viruses for Grapes & Strawberries <i>Janna Beckerman, Botany and Plant Pathology, Purdue University</i>
2:00 pm – 2:30 pm	Updates on Monitoring Traps for Spotted Wing Drosophila in Small Fruit <i>Elizabeth Long, Entomology, Purdue University</i>
2:30 pm – 3:00 pm	Coffee Break and Refreshments (North Hall)
3:00 pm – 3:30 pm	Cover Crops – A Weed Management Option in Plasticulture Strawberry Row Middles P <i>Stephen Meyers and Jeanine Arana, Horticulture and Landscape Architecture, Purdue University</i>
3:30 pm – 4:00 pm	Effects of Cultivar and Plastic Mulch Color on Strawberry Runner Production and Yield <i>Wenjing Guan and Jeanine Arana, Horticulture and Landscape Architecture, Purdue University</i>
4:00 pm – 4:30 pm	PARP Recertification, Worker Protection Standards P (South Hall) <i>Presenter TBA</i>

Tuesday, January 23, 2024

Trade Show Hours: 8:00 am – 4:00 pm

Business & Marketing / Classrooms A - C

8:00 am – 9:00 am	Registration and Light Breakfast
9:00 am – 10:00 am	Succession Planning <i>Renee Wiatt, Ag Econ, Purdue University, Ed Farris and Kyle Weaver, Purdue University Extension</i>
10:00 am – 11:00 am	Economics of Biological Control <i>Jean Pierre Zavala and Ariana Torres, Horticulture & Landscape Architecture, Purdue University</i>
11:00 am – 12:00 pm	The Power of App Marketing <i>Matt Maudlin, Memo Marketing</i>
12:00 pm – 1:00 pm	Lunch and Cider Contest (North Hall)
4:00 pm – 4:30 pm	PARP Recertification, Worker Protection Standards  (South Hall) <i>Presenter TBA</i>

TUESDAY EDUCATION



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Tuesday, January 23, 2024

Trade Show Hours: 8:00 am - 4:00 pm

Controlled Environment Agriculture / Conference Rooms 1 & 2

8:00 am - 9:00 am	Registration and Light Breakfast
9:00 am - 9:45 am	Opportunities with Vertical Indoor Propagation <i>Sofía Gómez, Horticulture and Landscape Architecture, Purdue University</i>
9:45 am - 10:30 am	Fertilizer Guidelines for Organic Lettuce Grown in Hydroponic Systems P <i>Sangrak Son, Horticulture and Landscape Architecture, Purdue University</i>
10:30 am - 11:00 am	Coffee Break and Refreshments (North Hall)
11:00 am - 12:00 pm	Workshop on Low-cost Digital Sensors and Mobile Phone Apps for Monitoring Plants <i>Krishna Nemali, Horticulture and Landscape Architecture, Purdue University</i>
12:00 pm - 1:00 pm	Lunch and Cider Tasting (North Hall)
1:00 pm - 1:45 pm	Producing Resilient Container Vegetables for Home Gardeners <i>Michael Fidler, Horticulture and Landscape Architecture, Purdue University</i>
1:45 pm - 2:30 pm	Indoor Propagation and Storage of Strawberry Runner Tips <i>Lian Durón, Horticulture and Landscape Architecture, Purdue University</i>
2:30 pm - 2:45 pm	Coffee Break and Refreshments (North Hall)
2:45 pm - 3:30 pm	Minimizing Contamination of <i>E. coli</i> on Lettuce Grown in Indoor Production Systems <i>Krishna Nemali, Horticulture and Landscape Architecture, Purdue University</i>
3:30 pm - 3:45 pm	Concluding Remarks, Surveys
4:00 pm - 4:30 pm	PARP Recertification, Worker Protection Standards P (South Hall) <i>Presenter TBA</i>

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SPEAKERS LIST

Emmanuel Cooper
Purdue University

Amanda Deering
Purdue University

Jason Deveau
Ontario Ministry of Agriculture
Food & Rural Affairs

Younsuk Dong
Michigan State University

Lian Durón
Purdue University

Dan Egel
Purdue University

Ed Farris
Purdue University

Lenny Farlee
Purdue University

Michael Fidler
Purdue University

David Francis
Red Gold Grower Panel

Tari Gary
Purdue University

Sofia Gómez
Purdue University

Wenjing Guan
Purdue University

Beth Hall
Indiana State Climatologist, Purdue
University

Peter Hirst
Purdue University

Laura Ingwell
Purdue University

Allie Kingery
Purdue University

Perry Kirkman
Wea Creek Orchard

Don Lamb
Director, ISDA

Elizabeth Long
Purdue University

Matt Maudlin
Memo Marketing

Liz Maynard
Purdue University

Stephen Meyers
Purdue University

Scott Monroe
Purdue University

Krishna Nemali
Purdue University

Tony Phillips
Tony Phillips Consulting, LLC

Karly Regan
Certis Biologicals

Dave Scott
Office of the Indiana State Chemist

Sangrak Son
Purdue University

Ella Stroh
Purdue University

Ariana Torres
Purdue University

Kyle Weaver
Purdue University

Fred Whitford
Purdue University

Renee Wiatt
Purdue University

Jean Pierre Zavala
Purdue University

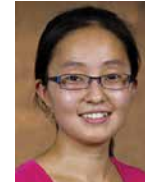
PURDUE HLA EXTENSION SPECIALISTS



Ashley Adair
Organic Agriculture



Kyle Daniel
Landscape &
Nursery Production



Wenjing Guan
Specialty Crop



Peter Hirst
Tree Fruit



**Petrus
Langenhoven**
Horticulture &
Hydroponics



Liz Maynard
Vegetable



Stephen Meyers
Horticulture Crops
Weed Science



Karen Mitchell
Consumer
Horticulture



Krishna Nemali
Horticulture &
Hydroponics



John Orick
Master Gardener
State Coordinator



Aaron Patton
Turfgrass



Miranda Purcell
Viticulture



Ariana Torres
Specialty Crops
Marketing

PRIVATE APPLICATOR RECERTIFICATION PROGRAM (PARP)

A Private Applicator Recertification Program (PARP) is being offered for those who currently have Private Applicator permits and need recertification. A person with a Private Applicator license must attend at least three recertification programs in five years in order to maintain certification. A maximum of two recertification programs per year can be credited toward recertification. There are two recertification sessions during the Indiana Hort Conference (Monday and Tuesday afternoons). Individuals could receive two recertification program credits at IHC.

In order to receive your recertification credit you must:

- Attend 90 minutes equivalent of qualifying presentations indicated by a **P** in the program (sessions vary from 30 to 60 minutes).
- Make sure you collect vouchers at the end of the presentations.

Then:

- Attend the PARP recertification session on Monday, January 22 or Tuesday, January 23 at 4:00 pm.
- At the conclusion of either of these sessions, present the vouchers from the previous sessions you attended the same day to the Purdue Extension Educator in charge of the session. You will need your private applicators license number. There is a \$10 fee for receiving PARP credit. Cash or check only please.

Be sure to bring:

- ****PARP**** Vouchers
- Cash or check for \$10.00 fee
- Private applicator license number



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For more information, visit your county Purdue Extension office or the Extension website –

<https://extension.purdue.edu/>



EXHIBITORS

Certis Biologicals

Ivan Wollenmann
Regional Sales Manager
8827 147th Place
Noblesville, IN
iwollenmann@certisusa.com

Fowler's Mill, LLC

Bill Buehl-Reichard
Owner
12500 Fowler's Mill Road
Chardon, OH
bill@fowlers-mill.com

Fresh Connect Central

Isis Villegas Eynon
Sr. Supply Manager
3737 Waldemere Ave.
Indianapolis, IN 46241

Great Lakes Ag Labor Services, LLC

Misty DeBoer
7373 W Saginaw Hwy
PO Box 30960
LANSING, MI
lherryg@michfb.com

HM Clause

Casey Reagan
Technical Sales Representative
13618 Fawn Lane
Grand Haven, MI
casey.reagan@hmclause.com

Indiana AgrAbility / Purdue Agricultural Safety & Health

Ed Sheldon
Outreach Coordinator
225 South University Street
West Lafayette, IN
ejsheldo@purdue.edu

Indiana Irrigation Co., Inc.

MARK TORKELESON
Vice President
12 Main ST
Onward, IN
inirrigation@gmail.com

Indiana State Department of Agriculture

Tyler Hale
1 N Capitol Ave
Indianapolis, IN
THale@health.in.gov

Miller Chemical and Fertilizer

Kate Wray
Territory Manager
3100 Cumberland Blvd, Suite 600
Atlanta, GA
katelynwray@millerchemical.com

Monte Package Company

Mitch Mammina
3752 Riverside Road
PO Box 128
Riverside, MI
mitch.mammina@montepkg.com

Nutrien Ag Solutions

Stuart Brenneman
Manager
840 south 550 west
Tipton, IN
stuart.brenneman@nutrien.com

PathStone Corporation

Brandon Lien
Deputy of Community Development Programs
420 S High St. STE 101
Muncie, IN
blien@pathstone.org

EXHIBITORS

Rispens Seeds

Ryan Kingma
MDW Sales Rep
88 W Clear Lake Ln
Westfield, IN
ryan@rispensseeds.com

Rupp Seeds

Barry Rupp
Marketing Communications Lead
17919 County Road B
Wauseon, OH
barryr@ruppseeds.com

SEEDWAY, LLC

Kevin Hosey
Director of Marketing
PO BOX 250
1734 Railroad Place
Hall, NY
khosey@seedway.com

Southern Indiana Chemical, Inc

Pete Slowik
Owner
358 E 900 N
Washington,
pandkslowik@gmail.com

Stoller

Nicole Mercer
4478 S Northtown Pike
Greenfield, IN
nmercera@stollerusa.com

USDA - Farm Services Agency

Angie Stuehrenberg
5981 Lakeside Blvd, Indianapolis, IN
Indianapolis, IN
angie.stuehrenberg@usda.gov

USDA - Natural Resources Conservation Service (NRCS)

Brianne Lowe
Acting Outreach Coordinator
6013 lakeside Blvd
Indianapolis, IN
brianne.lowe@usda.gov

USDA - Rural Development (RD)

Anthony Kirkland
Business Programs Director
788 West Connexion Way, Suite E
Columbia City, IN
anthony.kirkland@usda.gov

USDA-NASS Great Lakes Region

Nathaniel Warenski
State Statistician
USDA- NASS Great Lakes Region
3001 Coolidge Rd., Suite 400
East Lansing, MI
nathaniel.warenski@usda.gov

USDA/RMA

Meredith Penczek
Risk Management Specialist
3500 Wabash Ave
Springfield, IL
meredith.penczek@usda.gov

USDA/Risk Management Agency (RMA)

Jennifer Dammerman and
Meredith Penczek
Risk Management Specialists
3500 Wabash Ave
Springfield, IL
jennifer.dammerman@usda.gov
meredith.penczek@usda.gov

ONLINE RESOURCES

PURDUE HORTICULTURE & LANDSCAPE ARCHITECTURE (HLA) EXTENSION WEB LINKS

Horticulture & Landscape Architecture Extension Home Page.
ag.purdue.edu/hla/extension/Pages/Home.aspx

Commercial Nursery and Landscape
hort.purdue.edu/greenindustry

Consumer Horticulture (Indiana Yard & Garden)
hort.purdue.edu/ext/

Controlled Environment Agriculture
purdue.edu/hla/sites/cea/

Horticulture Business
purdue.edu/hla/sites/hortbusiness/

Pest & Crop
extension.entm.purdue.edu/pestcrop/

Purdue Master Gardener Program
hort.purdue.edu/mg

HLA EXTENSION NEWSLETTERS & BLOGS

Facts for Fancy Fruit
hort.purdue.edu/fff/fff.shtml

In The Grow
purdue.edu/hla/sites/yardandgarden/publication/in-the-grow/

Purdue Greenhouse Newsletter
purdue.edu/hla/sites/cea/home/extension/purdue-greenhouse-newsletter/

Purdue Landscape Report
www.PurdueLandscapeReport.org

Turf Tips
purdueturftips.blogspot.com/

Vegetable Crops Hotline
ag.purdue.edu/hla/Extension/vegcropshotline/Pages/Home.aspx

Yard & Garden Calendar
www.purdue.edu/hla/sites/yardandgarden/publication/gardening-calendars/

Yard & Garden News
www.purdue.edu/hla/sites/yardandgarden/publication/yard-and-garden-news/

ONLINE RESOURCES (continued)

HLA EXTENSION SOCIAL MEDIA

Consumer Horticulture (Indiana Yard & Garden)
facebook.com/purduehomehort/

Purdue Extension NWCH Twitter
twitter.com/NWCH

Purdue Hort Extension Facebook
facebook.com/PurdueHortExt?ref=hl

Purdue Hort Extension Twitter
twitter.com/PurdueHortExt

Purdue Landscape Report
www.facebook.com/PurdueLandscapeReport
www.twitter.com/PurdueLandscape

Purdue Master Gardener Program
twitter.com/purduemg
www.facebook.com/purduemastergardener/

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Horticulture and Landscape Architecture

www.IndianaHortConference.org

