

LET THE BEES BE



PACIFIC NORTHWEST
BEEKEEPING
CONFERENCE



JAMBORBEE

WSU HONEY BEE & POLLINATOR FACILITY, OTHELLO WA

OCTOBER 1-2, 2022

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Fundraising from this event will help support The WSU Honey Bee & Pollinator Research, Education and Extension Facility here in Othello, Washington

THANK YOU FOR HOSTING!

BIG THANKS TO OUR SPONSORS



INTRODUCTION

Welcome to the WASBA Pacific Northwest Beekeeping Conference of 2022! Thank you to all who purchased tickets in 2021 - we are so happy to be with you all!

Presented by the Washington State Beekeepers Association (WASBA)

WASBA'S MISSION

WASBA Serves WA Beekeepers in the Following Areas:

- To help maintain vibrant local beekeeping organizations
- To assist the agricultural community
- To improve relations between Beekeepers, Government Agencies, and the Public
- To promote Beekeeping and bee products in the State of Washington and abroad
- To promote and maintain industry connections at the state, national, and international level
- To collectively represent all Beekeepers of Washington State
- To promote and enhance beekeeping research in the State of Washington

**WASBA
MEMBERS!**

ANNUAL MEETING AFTER CONFERENCE

Sunday, October 2nd at 12:30pm

Zoom link available on [wasba.org/news](https://www.wasba.org/news)

PACIFIC NORTHWEST BEEKEEPING CONFERENCE



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WSU HONEY BEE & POLLINATOR FACILITY, OTHELLO WA
OCTOBER 1-2, 2022

AGENDA



Recordings of sessions will be available to attendees following the conference!

SATURDAY OCT. 1

8:30-8:45am

WASBA Opening Address & Intros

Alan Woods
WASBA President

8:45-9:00am

WSU Welcome Address

Laura Lavine,
WSU Entomology Chair



Morning refreshments provided by Ironworks Catering, Othello WA

SCIENCE TRACK

9:00-9:45am

Managing Varroa Mite Effectively
by Understanding its Biology &
Available Mite Treatments

*Dr. Ramesh Sagili,
Oregon State University*

9:45-10:30am

Is Varroa Control Possible
without Chemical Miticides?

*Dr. Jennifer Han,
Washington State University*

10:30-11:15am

Reducing Winter Loss

*Dr. Dewey Caron,
Oregon State University*

11:15-12:00pm

Working Toward Registration of a
Stabilized Oxalic Acid Treatment
for Varroa in Washington

*Dr. Brandon Hopkins,
Washington State University*

HOBBYIST TRACK

9:00-9:45am

Swarm Catching: Tips, Tricks &
Techniques to Capturing Swarms

*Ted McFall,
Master Beekeeper*

Pest Management

*Alan Woods,
WASBA President*

What Makes a Good Queen
a "Good Queen"?

*John Jacob,
Old Sol Apiaries*

Honey Bee Vaccine

*Amy Floyd,
Dalan Animal Health*

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OCTOBER 1-2, 2022

AGENDA



Recordings of sessions will be available to attendees following the conference!

12:00-1:00pm FOOD TRUCK LUNCH!

Stay here for lunch with full menus from 2 local food trucks!

lunch prices are set by and paid to food trucks

Hugo's Tacos
Royal City, WA



The Corndog Co.
Othello, WA

SCIENCE TRACK

1:00-1:45pm

Ethanol Processing of Treated Seeds & Impacts on Bees

Dr. Judy Wu-Smart,
University of Nebraska-Lincoln

1:45-2:30pm

Fungi as Bee Feed: From Idea to FDA Approval

Dr. Nicholas Naeger,
Washington State University

2:30-3:15pm

Varroa Populations & Integrated Pest Management

Dr. Kelly Kulhanek,
Washington State University

HOBBYIST TRACK

1:00-1:45pm

Preparing for the Winter

Alan Woods
WASBA President

The Game of Drones

Julia Mahood,
Master Craftsman Beekeeper

Reading Brood Frames

Dr. Dewey Caron,
Oregon State University

3:15-3:45pm

BREAK + MINGLE



Afternoon refreshments provided by Ironworks Catering, Othello WA



DON'T FORGET TO EXPLORE THE VENDOR BOOTHS!

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AGENDA



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SCIENCE TRACK

3:45-4:30pm

Tales from a Commercial
Queen Producer & Pollinator

*John Jacob,
Old Sol Apiaries*

4:30-5:15pm

The Reintroduction of Caucasian
Honey Bees: A Functional
Germplasm Repository Story

*Dr. Steve Sheppard,
Washington State University*

HOBBYIST TRACK

3:45-5:15pm

Healing Through Hives
Extended Session+ Q&A

*Beau Gromley
GardenRaised Bounty
(GRuB)*



5:15-6:30pm

SOCIAL HOUR & MEAD TASTING

Mead provided by



HIEROPHANT
MEADERY

6:30-7:30pm

DINNER & KEYNOTE ADDRESS

IRONWORKS

CAFE • MARKET

\$30 DINNER BUFFET

*Your choice of entree, two sides,
garden salad, and dinner roll*

DESSERT AUCTION TO FOLLOW!

+

KEYNOTE ADDRESS

48 Years Among The Bees - in
Deference to Dr. C. C. Miller

Dr. Steve Sheppard,
Thurber Professor, Dept. of Entomology
Washington State University

7:30pm-ON!

LIVE AUCTIONS & RAFFLE

See Page 8 to learn more about the Saturday Night Auctions & Raffle!

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WSU HONEY BEE & POLLINATOR FACILITY, OTHELLO WA
— OCTOBER 1-2, 2022 —

AGENDA

SUNDAY OCT. 2

8:30-9:00am

Welcome to Day 2

Alan Woods, *WASBA President*



Morning refreshments provided by Ironworks Catering, Othello WA

SCIENCE TRACK

9:00-9:45am

Integrated Pesticide Management
For Beekeepers: New Approaches
to Old Problems

*Dr. Judy Wu-Smart,
University of Nebraska-Lincoln*

9:45-10:30am

Pesticide Exposure to Honey Bees
& Impact During Pollination in
Northwestern U.S.

*Dr. Ge Zhang,
Washington State University*

10:30-11:15am

Understanding Impacts of Wildfires
on Honey Bees and Investigating
Value of Feeding Probiotics

*Dr. Ramesh Sagili,
Oregon State University*

HOBBYIST TRACK

9:00-9:45am

Future Plans for the WSU
Beekeeping Extension

*Dr. Kelly Kulhanek,
Washington State University*

Beekeeping Tips & Tricks

*Julia Mahood,
Georgia Master Beekeeper*

Accessible Beekeeping
Physiology: What Really Makes
a Queen a Queen?

*Dr. Nick Naeger,
Washington State University*

11:15-12:00pm

WSU Graduate Student Research Project Showcase

12:00-12:15pm

Closing Remarks - *Alan Woods, WASBA President*

12:30-2:30pm

WASBA MEMBER ANNUAL MEETING

Zoom link available on [wasba.org/news](https://www.wasba.org/news)

AUCTION INFORMATION



LIMITED RAFFLE
WIN AN ELECTRIC EXTRACTOR!

ONLY 20 TICKETS SOLD \$50 EACH

The winner will be drawn at the close of the
Conference on Sunday & posted on wasba.org

AFTER DINNER DESSERT AUCTION

COMBINE YOUR TABLES BIDS TO WIN YOUR CHOICE!



THE 2022 AUCTION will be **LIVE** at the Conference
following the Saturday Evening Dinner & Keynote Address!
So stretch your paddle-raising arm and get ready to bid on
some unique and exciting items like:

- Complete Hive Setup (includes equipment & NUCS!)
- Trip for 2 to Honey Capital of USA - North Dakota
- Trip for 2 to USDA Bee Lab in Tucson, Arizona
- A Handmade Bee-Themed Quilt
- Honey Bee Gift Baskets
- WSU Queen Bees
- & MORE!

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*Keep Yellowjackets
at Bay with*

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Learn more about our local clubs & businesses and
shop for the beekeepers in your life!

SPEAKER ROSTER SCIENCE TRACK

12 PRESENTATIONS

Dewey Caron, Oregon State University, University of Delaware
Reducing Winter Loss (Session #3)

Jennifer Han, Washington State University
Is Varroa Control Possible Without Miticides? (Session #2)

Brandon Hopkins, Washington State University
Working Toward the Registration of a Stabilized Oxalic Acid Treatment for Varroa in Washington (Session #4)

John Jacob, Old Sol Apiaries
Tales from a Commercial Queen Producer & Pollinator (Session #8)

Kelly Kulhanek, Washington State University
Varroa Populations & Integrated Pest Management (Session #7)

Nicholas Naeger, Washington State University
Fungi as Bee Feed: From Idea to FDA Approval (Session #6)

Ramesh Sagili, Oregon State University
How to Manage Varroa Mite Effectively by Understanding its Biology & Available Mite Treatments (Session #1)
Understanding Impacts of Wildfires on Honey Bees and Investigating Value of Feeding Probiotics (Session #12)

Steve Sheppard, Washington State University
The Reintroduction of Caucasian Honey Bees: A Functional Germplasm Repository Story (Session #9)

Judy Wu-Smart, University of Nebraska-Lincoln
Ethanol Processing of Treated Seeds & Impacts on Bees (Session #5)
Integrated Pesticide Management For Beekeepers: New Approaches to Old Problems (Session #10)

Ge Zhang, Washington State University
Pesticide Exposure to Honey Bees & Impact During Pollination in Northwestern U.S. (Session #11)

SPEAKER ROSTER HOBBYIST TRACK

12 PRESENTATIONS

Dewey Caron, *Oregon State University, University of Delaware*
Reading Brood Frames (Session #7)

Amy Floyd, *Dalan Animal Health*
Honey Bee Vaccine (Session #4)

Beau Gromley, *Garden Raised Bounty (GRuB)*
Healing Through Hives Extended Session + Q&A (Session #8)

John Jacob, *Old Sol Apiaries*
What Makes a Good Queen a "Good Queen" (Session #3)

Kelly Kulhanek, *Washington State University*
Future Plans for WSU Beekeeping Extension (Session #9)

Julia Mahood, *Georgia Master Beekeeper, Founder MapMyDCA.com*
The Game of Drones (Session #6)
Beekeeping Tips & Tricks (Session #10)

Ted McFall, *WA Master Beekeeper, Mt. Baker Beekeepers Association*
Swarm Catching: Tips, Tricks & Techniques to Capture (Session #1)

Nicholas Naeger, *Washington State University*
Accessible Beekeeping Physiology: What Really Makes a Queen a Queen? (Session #11)

Alan Woods, *WASBA President, WA Master Beekeeper*
Pest Management (Session #2)
Preparing for the Winter (Session #5)

+ **BONUS!** TO FINISH OFF BOTH HOBBY & SCIENCE TRACKS

WSU Graduate Student Research Project Showcase

11:15am-12:00pm on Sunday, October 2

SPEAKER BIOS KEYNOTE SPEAKER

DR. STEVE SHEPPARD

Thurber Professor, Department of Entomology
Washington State University (WSU)



Dr. Steve Sheppard is the Thurber Professor of Apiculture of the WSU Department of Entomology. Steve's graduate research at the University of Illinois was on pollination biology, population genetics and evolution in honey bees. Before joining the WSU faculty, Steve was a research scientist for USDA-ARS, conducting studies on Africanized honey bees and the genetic processes accompanying insect range expansions.

Since 1996, Steve, his students, postdocs and research collaborators at WSU have conducted basic work on honey bee genetics and evolution, a long-term breeding program to select honey bees for northern conditions, and novel approaches to improve honey bee health. He and colleagues have researched the use of fungi as a biological control agent for parasitic mites, on the use of fungal extracts to potentially improve immune function in honey bees, and the use of controlled atmosphere storage for indoor wintering and mite control.

In collaboration with US queen producers, the WSU bee team has been involved in the importation and distribution of honey bee genetics from Old World source populations. Release of honey bee germplasm to commercial queen producers resulted in a significant increase in overall genetic diversity of US honey bee populations.

SESSIONS: **48 Years Among The Bees - in Deference to Dr. C. C. Miller**
KEYNOTE Saturday 6:30-7:30pm (during dinner)

The Reintroduction of Caucasian Honey Bees: A Functional Germplasm Repository Story
SCIENCE Session #9

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SPEAKER BIOS

DR. DEWEY CARON

**Emeritus Professor of Entomology &
Wildlife Ecology**

University of Delaware/OSU



Dr. Dewey Caron, an entomologist by profession, is also an avid beekeeper. He dedicates his life to sharing his knowledge with other beekeepers.

Dr. Dewey Caron started with honey bees as teenager in Vermont and studied for his Ph.D. under Roger Morse at Cornell University. Dr. Caron is a past Chairman of the Board of the Eastern Apiculture Society and a past president of the Eastern Branch Entomological Society of America. He is currently the Master Beekeeper Advisor to the Eastern Apiculture Society and advisor to the Bee Informed Partnership with which he is heavily involved.

Dr. Caron is also a past president and current board member of the Western Apicultural Society. Dr. Caron has been involved in International Development in Panama, Central America, and Bolivia and was active in the MAAREC (Mid-Atlantic Research and Extension Consortium). Ever the educator, he has been the recipient of a number of prestigious teaching awards. Dr. Caron retired in 2009 but remains an active participant of state, local and regional bee meetings.

Dr. Caron is actively involved the Oregon Master Beekeeper Program as an advisor and instructor. He presents over 100 talks each year about such topics as pollinating insects, bees, and natural history topics around bees and pollinating insects.

SESSIONS:

Reducing Winter Loss

SCIENCE Session #3

Reading Brood Frames

SCIENCE Session #7

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AMY FLOYD

Field Technician and Beekeeper Relations
Dalan Animal Health



Amy is a field technician and leads beekeeper relations at Dalan. Previously, Amy spent 7 years with the USDA studying honeybee nutrition, microbiome, pathogens and toxin exposure. She holds a BS in Wildlife Conservation and Management and a MS in Entomology, both from the University of Arizona. Amy enjoys traveling the US in her self-converted camper van with her dog Mogli and tending to her personal honeybee hives. Her favorite book is *Nowhere for very long: The Unexpected Road to an Unconventional Life* by Brianna Madia.

SESSIONS:

Honey Bee Vaccine
HOBBYIST Session #4

BEAU GROMLEY

Community Food Solutions Program Manager
Garden Raised Bounty (GRuB)



Beau cares deeply about the environment, issues involving food insecurity, and asset-based community development. He has a BA in Sustainable Agriculture and is working towards his Masters in Environmental Studies. Beau is a proud veteran of both the US Marines and US Army and is passionate about helping veterans and their families transition back home and build community. He is excited to help enhance the Victory Garden Project, support the development of the Victory Farm, further develop the Food Investment Garden (FIG) program, and encourage emerging community food solutions.

SESSIONS:

Healing Through Hives
Extended Session + Q&A
HOBBYIST Session #8

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DR. JENNIFER HAN

Assistant Research Professor
Washington State University



My research program is centered on developing fungal based biological control agents for arthropod pests. Microbial based biopesticides can decrease agricultural chemical inputs into our food supply and are considered to be inherently less risky to humans and other vertebrates compared to traditional synthetic chemical pesticides. Biopesticides, however, are susceptible to a variety of abiotic factors including temperature, humidity, and UV. My current research is focused on developing fungal based solutions to honey bee health, specifically breeding a fungal biopesticide to control the Varroa mite and exploring fungal and botanical based solutions to honey bee nutrition and overall health.

SESSIONS: Is Varroa Control Possible Without Miticides?
SCIENCE Session #2

JOHN JACOB

Commercial Queen Producer
Owner/Operator of Old Sol Apiaries



John founded Old Sol Apiaries in 1997 and has specialized in bee breeding and finding innovative, sustainable agricultural solutions ever since. John's educational background includes a BS in biology, with minors in Chemistry and Economics from Southern Oregon State University. Old Sol is the largest commercial queen producer in the state of Oregon and their business endeavors include queens, nucs, commercial pollination, honey, and agrivoltaic consulting. John operates Old Sol with his family in the beautiful Rogue Valley of Southern Oregon.

SESSIONS: Tales from a Commercial Queen Producer & Pollinator
SCIENCE Session #8

What Makes a Good Queen a "Good Queen"
HOBBYIST Session #3

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DR. BRANDON HOPKINS

Assistant Research Professor
Washington State University



I received my B.A.E. and M.S. from Eastern Washington University. During my time at EWU, I worked on developing assistive reproductive techniques for captive breeding of endangered frog species. I worked part time as a high school science teacher while completing my Master's degree focusing on cryopreservation. The opportunity to work on cryopreservation of honey bee semen late in my Masters program instilled a strong interest in continuing work with the amazing species. I continued to work on cryopreservation and other assistive reproductive techniques in honey bees during my PhD. As part of that work I helped build the first germplasm bank for honey bees. Cryopreserving germplasm from 4 subspecies in their native ranges through Europe and western Asia. The goal being to provide bee breeders tools to aid in bee breeders in selection and contribute the conservation of valuable genetic diversity. While I continue to work in this area, I am also highly driven by the supportive community of beekeeping that have helped add various research areas and interests. The immediate needs for solutions to issues around Varroa control and improved management practices have inspired a large part of my research efforts. I want to develop and deliver practical solutions to commercial beekeepers and the agricultural industries reliant on them for pollination services. I like to take input from stakeholders and then collaborate to find solutions; working on interactions between genetics, environment, and management practices.

SESSIONS: Working Toward the Registration of a Stabilized Oxalic Acid Treatment for Varroa in Washington

SCIENCE Session #4

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DR. KELLY KULHANEK

**Assistant Professor of Pollinator Health
Research and Extension**

Washington State University



Kelly completed her Ph.D. in Entomology in Dr. Dennis vanEngelsdorp's Bee Lab at the University of Maryland. She joined the WSU Bee Program as a postdoctoral researcher in 2020 and recently began a new role as Assistant Professor. She plans to build a program based on regular communication with Washington stakeholders, and to address needs such as locally specific best practices for bee management and crop pollination, and extension programs that will put the latest research into the hands of stakeholders.

SESSIONS:

Varroa Populations & Integrated Pest Management

SCIENCE Session #7

Future Plans for WSU Beekeeping Extension

SCIENCE Session #9

DR. LAURA LAVINE

Professor & Chair, Department of Entomology

Washington State University



The main focus of my research is investigating the genetic and physiological mechanisms underlying adaptive phenotypes in insects. My research efforts have shown that the insulin signaling pathway is the link between an insect's ability to sense its nutrition environment to either produce an enormous weapon of sexual selection (male rhino beetle horns) or to develop wings and fly away when nutrition conditions are poor (brown rice planthopper). Laura moved to WSU Pullman in 2001 from University of Wisconsin-Madison where she was a USDA funded postdoctoral research fellow.

SESSIONS:

WSU Welcome Address

SAT @ 8:45-9:00am

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JULIA MAHOOD

Georgia Master Craftsman Beekeeper
Founder MapMyDCA.com



Master Beekeeper, Julia Mahood, has been keeping bees since 2004 at her home in Atlanta, Georgia, and has long been fascinated by the secret life of drones. After frustrating failures to locate DCAs using the helium balloon method, she devised a method using an UAV. Julia is active in the Metro Atlanta Beekeepers Association and the Georgia Beekeepers Association. In 2018, she was named the GBA Beekeeper of the Year. Julia teaches beekeeping at Lee Arrendale State Prison, the largest women's prison in Georgia, through the GBA/UGA prison beekeeping program.

SESSIONS:

The Game of Drones

HOBBYIST Session #6

Beekeeping Tips & Tricks

HOBBYIST Session #11

TED MCFALL

Washington Master Beekeeper
Mount Baker Beekeepers Association



Ted McFall is a 3rd generation Master Beekeeper and Texas transplant, residing in Custer, WA for the past five years. Ted learned the art of beekeeping from his father who instilled in Ted the best all-natural and organic beekeeping techniques. Ted loves passing on these same wonderful beekeeping experiences to his own children by including them in the fascinating world of beekeeping. Ted has been interviewed by numerous media outlets and happens to be the 2021 President of the Mount Baker Bee Club – Whatcom County's local bee club.

SESSIONS:

Swarm Catching: Tips, Tricks & Techniques to Capturing Swarms

HOBBYIST Session #1

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DR. NICK NAEGER

Assistant Research Professor
Washington State University



Nick Naeger is a molecular biologist who has been studying bees for over two decades. His research focuses on understanding the effect of pathogens on bee health and finding innovative ways to help bees fight these diseases. This includes investigating how viruses interact with diet and nutrition to impact the immune system of bees and their overall health. His research group is working to develop fungal-based nutritional supplements for bees and fungal biocontrol agents against Varroa mites.

SESSIONS: Accessible Beekeeping Physiology: What Really Makes a Queen a Queen? **SCIENCE** Session #11

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Commercial Beekeepers. BeeHero is accepting bees for Almond Pollination 2023.

- We offer the best bonus payment program in the industry!
- On time, every time payment.
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- If you contract your bees with us, you get paid. Period.
- Staging yards with forklifts available.
- Precise drop maps from the convenience of your phone.

Come meet our team at this years WASBA booth and get signed up today.



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Destiny Camden
209-541-6582



Stephanie Payne
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DR. RAMESH SAGILI

Associate Professor - Apiculture
Oregon State University



Dr. Ramesh Sagili is a NIFA-funded researcher who serves as an associate professor at Oregon State University. He is originally from India, which is highly dependent on agriculture. His grandparents were farmers, so he had the opportunity to witness the challenges and plight of agriculture/farmers face from a young age. His formal interest in agriculture started after enrolling into a Bachelor of Science degree in an agriculture program in India. Entomology (especially apiculture) was his passion, while pursuing my bachelor's degree. He later enrolled at Texas A&M University to pursue a doctoral degree in entomology, focusing on honey bee research. After completing his Ph.D. and a short post-doctoral stint, he joined Oregon State University as an assistant professor in 2009. His current research program aims to address current and emerging problems pertaining to commercial beekeeping industry. The three focus areas of his research are honey bee nutrition, honey bee health, and pollination.

SESSIONS: How to Manage Varroa Mite Effectively by Understanding its Biology & Available Mite Treatments

[SCIENCE](#) Session #1

Understanding Impacts of Wildfires on Honey Bees and Investigating Value of Feeding Probiotics

[SCIENCE](#) Session #12

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**WASBA
MEMBERS!**

ANNUAL MEETING AFTER CONFERENCE

Sunday, October 2nd at 12:30pm

Zoom link available on [wasba.org/news](https://www.wasba.org/news)

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ALAN WOODS

Washington Master Beekeeper

Washington State Beekeepers Association



Alan Woods began his life in Texas, moved to Washington and retired after a military career. He is a certified Master Beekeeper in both Washington and Montana and also teaches beekeeping education and certification classes through his business Woods Bee Co. which he owns and operates with his wife Beverly. He currently serves as the President of the Washington State Beekeepers Association (WASBA) where he is working to upgrade the Masters Program alongside WSU and partner with Hives to Heroes, GRUB and other organizations who serve our veteran community

SESSIONS:

WASBA Opening Address & Introductions SAT @ 8:30am

Pest Management HOBBYIST Session #1

Preparing for the Winter HOBBYIST Session #5

DR. JUDY WU-SMART

Extension & Research Entomologist

University of Nebraska-Lincoln



Dr. Judy Wu-Smart is an Assistant Professor and Extension Specialist at the University of Nebraska-Lincoln (UNL). She leads the UNL pollinator health program which seeks to understand the underlying stressors in bee health and their interactions with environmental toxicants. She also has taught beekeeping workshops and pesticide certification courses. She conducts research related to bee health and engage with beekeepers, farmers, policy makers and the public about the importance of bees and ways to promote healthy bee systems.

SESSIONS:

Ethanol Processing of Treated Seeds & Impacts on Bees

SCIENCE Session #5

Integrated Pesticide Management For Beekeepers:

New Approaches to Old Problems SCIENCE Session #10

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DR. GE ZHANG

Postdoctoral Researcher

Washington State University



Ge has been beekeeping and studying bees for the past ten years. He received his PhD from Iowa State University and completed his first post-doc project at New Mexico State University. He is now studying how honey bee health is affected when they are moved from California to Washington State for pollinating specialty crops such as almond, blueberry, apple and canola.

SESSIONS: Pesticide Exposure to Honey Bees & Impact During Pollination in Northwestern U.S.

SCIENCE Session #11

ACKNOWLEDGMENTS **THANK YOU TO:**

The WASBA Conference Planning Committee

Alan Woods, Ellen Miller, Martina Graves,
Margo Buckles, Kevin Oldenburg, Sandy Fanara,
Laura Lavine, Brandon Hopkins, & Steve Sheppard

**WSU Department of Entomology • Hierophant Meadery
Ironworks Cafe & Market • Othello Quality Inn
The Corndog Company of Eastern WA • Hugo's Tacos**

CONTACT WASBA



PO BOX 4824, SPOKANE, WA 99220

f www.wasba.org

Martina Graves, Executive Director

(509) 855-8604

info@wasba.org

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NOTES



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