***Research Updates:***

**SCRI update: Developing and implementing sustainable strategies to manage spotted-wing Drosophila in United States fruit crops.**

Hannah Burrack (hjburrac@ncsu.edu)1, Ashfaq Sial2, Rufus Isaacs3, Frank Zalom4, Brian Gress4, Philip Fanning3, Steven Van Timmeren3, Nathan Spaulding2, Joseph Disi2, Oscar Liburd5, Frank Drummond6, Kelly Hamby7, Cesar Rodriguez8 and Lauren Diepenbrock1, 1North Carolina State University, Raleigh, NC, 2University of Georgia, Athens, GA, 3Michigan State University, East Lansing, MI, 4University of California, Davis, CA, 5University of Florida, Gainesville, FL, 6University of Maine, Orono, ME, 7University of Maryland, College Park, MD, 8Rutgers University, Chatsworth, NJ

Tuesday, November 13, 2018

01:35 PM - 01:50 PM

**OREI Update: Development and implementation of systems based organic management strategies for spotted-wing Drosophila.**

Ashfaq Sial (ashsial@uga.edu)1, Rufus Isaacs2, Matt Grieshop2, Christelle Guédot3, Kelly Hamby4, Vaughn Walton5, Mary Rogers6, Oscar Liburd7, Donn Johnson8, Frank Zalom9, Hannah Burrack10, Jana Lee11 and Tracy C. Leskey12, 1University of Georgia, Athens, GA, 2Michigan State University, East Lansing, MI, 3University of Wisconsin, Madison, WI, 4University of Maryland, College Park, MD, 5Oregon State University, Corvallis, OR,6University of Minnesota, St. Paul, MN, 7University of Florida, Gainesville, FL, 8University of Arkansas, Fayetteville, AR, 9University of California, Davis, CA, 10North Carolina State University, Raleigh, NC, 11USDA - ARS, Corvallis, OR, 12USDA - ARS, Kearneysville, WV

Tuesday, November 13, 2018

01:50 PM - 02:05 PM

**Overwintering biology of spotted-wing Drosophila: The effect of gradual cooling on physiogenesis and survival outcomes.**

Dara Stockton (dara.stockton@cornell.edu) and Gregory Loeb, Cornell University, Geneva, NY

Tuesday, November 13, 2018

02:05 PM - 02:20 PM

**Spatial and temporal distribution of *Drosophila suzukii* in raspberries.**

Benjamin Jaffe (bjaffe2@wisc.edu) and Christelle Guédot, University of Wisconsin, Madison, WI

Tuesday, November 13, 2018

02:20 PM - 02:35 PM

**Protected high tunnel systems for spotted-wing drosophila: IPM advantages of poly and exclusion netting strategies.**

Mary Rogers, Andrew Petran, Eric C. Burkness, Claire Flavin and William D. Hutchison, University of Minnesota, St. Paul, MN

Tuesday, November 13, 2018

02:35 PM - 02:50 PM

**Excluding *Drosophila suzukii* from New York raspberries and blueberries with netting.**

Gregory Loeb (gme1@cornell.edu)1, Stephen P. Hesler1, Dara Stockton1, Anna K. Wallingford1 and Tracy C. Leskey2, 1Cornell University, Geneva, NY, 2USDA - ARS, Kearneysville, WV

Tuesday, November 13, 2018

02:50 PM - 03:00 PM

**Break (& refreshments)**

Tuesday, November 13, 2018

03:00 PM - 03:30 PM

**Impact of pruning on crop microclimate and *Drosophila suzukii***

Kelly Hamby (kahamby@umd.edu)1, Daniel Dalton2, Vaughn Walton2, Andrew Petran3, Mary Rogers4, Lauren Diepenbrock5, Heather Leach6, Steven Van Timmeren7, Philip Fanning7, Rufus Isaacs7, Brian Gress8, Mark Bolda9, Frank Zalom8, Craig Roubos10, Richard Evans10 and Ashfaq Sial10, 1University of Maryland, College Park, MD, 2Oregon State University, Corvallis, OR, 3Univ. of Minnesota, St. Paul, MN, 4University of Minnesota, St. Paul, MN, 5North Carolina State University, Raleigh, NC, 6Pennsylvania State University, University Park, PA, 7Michigan State University, East Lansing, MI, 8University of California, Davis, CA, 9University of California, Watsonville, CA, 10University of Georgia, Athens, GA

Tuesday, November 13, 2018

03:30 PM - 03:45 PM

**An update on insecticide resistance monitoring for SWD in berry crops**

Rufus Isaacs (isaacsr@msu.edu)1, Ashfaq Sial2, Frank Zalom3, Brian Gress3, Steven Van Timmeren1, Nathan Spaulding2, Joseph Disi2, Oscar Liburd4, Frank Drummond5, Kelly Hamby6, Cesar Rodriguez7, Lauren Diepenbrock8, Hannah Burrack8 and Nupur Sarkar4, 1Michigan State University, East Lansing, MI, 2University of Georgia, Athens, GA, 3University of California, Davis, CA, 4University of Florida, Gainesville, FL, 5University of Maine, Orono, ME, 6University of Maryland, College Park, MD, 7Rutgers University, Chatsworth, NJ, 8North Carolina State University, Raleigh, NC

Tuesday, November 13, 2018

03:45 PM - 04:00 PM

**Modeling SWD population dynamics: Insights into biology and management.**

Vaughn Walton (vaughn.walton@oregonstate.edu)1, Daniel T. Dalton1, Serhan Mermer1, Gabriella Tait2, Dalila Rendon1, Cherre Bezerra Da Silva1, Kyoo Park1, Marco Valerio Stacconi1, Alberto Grassi3, Claudio Ioriatti3, Gianfranco Anfora3 and Ferdinand Pfab4, 1Oregon State University, Corvallis, OR, 2Udine University, Udine, Italy, 3Edmund Mach Foundation, San Michele all'Adige, Italy, 4Trento University, Trento, Italy

Tuesday, November 13, 2018

04:00 PM - 04:15 PM

**Effect of non-nutritive sugar formulations on spotted-wing Drosophila and honeybee.**

Man-Yeon Choi (mychoi@ars.usda.gov)1, Jana Lee1 and Ramesh Sagili2, 1USDA - ARS, Corvallis, OR, 2Oregon State University, Corvallis, OR

Tuesday, November 13, 2018

04:15 PM - 04:25 PM

**Current advances on Sterile Insect Technique for *Drosophila suzukii*.**

Annabelle Firlej (annabelle.firlej@irda.qc.ca), Institut de Recherche et de Développement en Agro-environnement, St-Bruno-de-Montarville, QC, Canada

Tuesday, November 13, 2018

04:25 PM - 04:35 PM

**Intercropping for spotted-wing Drosophila management: Research outcomes and potential approaches.**

Juli Carrillo (juli.carrillo@ubc.ca) and Chelsea Gowton, Univ. of British Columbia, Vancouver, BC, Canada

Tuesday, November 13, 2018

04:35 PM - 04:45 PM

***Concluding Remarks & Business Meeting Minutes:***

Dr. Hutchison thanked the speakers for their excellent presentations, and all those in attendance, including numerous graduate students and post-doctoral scholars. Attendance averaged ~80 researchers during the meeting.

Administrative advisor, Dr. Laura Lavine (Washington State University) made comments regarding the value of the WERA 1021 research, as well collaborations at the national and international levels more broadly. She also gave an update regarding USDA and NIFA funding trends.

Following a brief discussion, Drs. Mark Asplen (MN) and Jana Lee (OR) were selected as Chair and Vice-Chair, respectively, for 2019.

Following a brief discussion, St. Louis, MO, the site of the 2019 Annual ESA meeting, was selected for next year’s meeting.

Dr. Kelly Hamby (MD) was thanked for her excellent assistance to Hutchison in planning the meeting, and for arranging for refreshments to be served during the meeting.

The 2018 WERA 1021 meeting was adjourned at 5:00 PM.