
2022 MEETING AGENDA – NORTH AMERICAN SPOTTED-WING DROSOPHILA BIOLOGICAL CONTROL WORKING GROUP

February 22nd, 2022

8:00 PST – Introduction

8:05 Lukas Seehausen, Riccardo Valenti, João Fontes, Michela Meier, Cristina Marazzi, Dominique Mazzi, Marc Kenis – Host specificity of *Ganaspis brasiliensis* in large-arena field cages and an update on the situation in Switzerland.

8:20 Marco Valerio Rossi Stacconi Gianfranco Anfora and Lorenzo Fellin (University of Trento, C3A); Alberto Grassi, Simone Puppato and Claudio Ioriatti (Edmund Mach Foundation, Technology Transfer Center) – First year of *G. brasiliensis* field releases in Italy.

8:35 Subin Neupane and Ashfaq Sial - Spotted-wing drosophila biological control update in Georgia, USA.

8:50 Elizabeth Beers, Dylan Beal, Peter Smytheman, Paul Abram, Rebecca Schmidt-Jeffris, Erica Moretti, Kent Daane, Chris Looney, Chia-Hua Lue, Matt Buffington - Asian SWD parasitoids found in Washington State: current status and future plans.

9:05 Jana Lee, Ryan Paul, Katerina Velasco Graham – Areawide project and Pachycrepoideus updates.

9:20 BREAK

9:30 K. M. Daane, X. G. Wang, A. Biondi and K. A. Hoelmer - Update on permitting process for *Ganaspis brasiliensis* releases in the USA.

9:45 Xingeng Wang, Marco Valerio Rossi-Stacconi, Amanda Stout, Lorenzo Fellin, Kent M. Daane, Antonio Biondi, Judith M. Stahl, Matthew L. Buffington, Gianfranco Anfora, Kim A. Hoelmer - Methods for rearing the parasitoid *Ganaspis brasiliensis*, a promising biological control agent for invasive *Drosophila suzukii*.

10:00 Matt Buffington - Updates on the taxonomy of *Leptopilina* and *Ganaspis*.

10:15 Chia-Hua Lue, Matthew Buffington, Jan Hrcek - DROP database tutorial: relational database, data types, tables, and applications.

10:30 Kim Hoelmer *et al* - *Ganaspis brasiliensis* genomics and strain delimitation/species concepts.

10:45 BREAK

11:00 Tracy Hueppelsheuser, Emily Grove, Sam Glasgow - Update on the berry field collections in British Columbia, Canada – methods and lessons learned in 2021.

11:15 Paul Abram, Jade Sherwood, Michelle Franklin, Pierre Girod, Juli Carrillo - Collections of overwintering parasitoids and monitoring/intercropping trials in Coastal BC.

11:30 Chandra Moffat, Tyler Nelson, Nathan Earley, Mairi Robertson - Update on Canadian non-target diversity and host-range testing, and adventive parasitoid ovipositor traits.

11:45 Rapid Fire Updates

(15 minutes for quick updates from those who do not want to take a 5-10 minute slot)

12:00 Discussion, wrap-up

Topics

- Accurate identification of natural enemies/parasitoids collected in surveys (is there any help available? where?, how?)
- Strategies to improve rearing of native and exotic parasitoids (focused on *G. brasiliensis*) for field releases
- Assessing if parasitoids are affecting SWD populations and bringing down the damage levels in crops. (How best to evaluate that? Are we seeing any signs of that yet in BC?)