

COOPERATIVE REGIONAL PROJECT W4185
Biological Control in Pest Management Systems of Plants Annual Meeting
Pacific Branch Meeting of the Entomological Society of America
April 12, 2022
Santa Rosa, CA

2022 W4185 Program and Minutes

The W4185 traditionally meets for 2 days in the fall in a location that fosters a somewhat remote environment excellent for networking and focused discussion. Travel issues related to Covid-19 restrictions required the group to hold the annual meeting at the Pacific Branch meeting for the Entomological Society of America. The group contributed a symposium session followed by their business meeting.

Biological Control in Pest Management Systems of Plants: Symposium and Meeting of the Western Region Multistate Research Project, W4185

Tuesday, April 12, 2022

8:00 AM - 12:00 PM

Hyatt Regency Sonoma Wine Country - Alexander Valley Ballroom III

Description

W4185 is a multistate research project utilizing biological control to manage the arthropods, mites, and weedy plants causing severe economic harm in the western United States. Participants in this symposium will present updates on their collaborations and research projects related to accomplishing the goals and objectives of the W4185 project.

Organizer: Stephen Novak , Boise State University

Presentations

8:00 AM

W4185 updates, Sanford Eigenbrode, University of Idaho, Moscow, ID

8:20 AM

International consortium for the biological control of tree of heaven (*Ailanthus altissima*): A representative example of the research activities at BBKA during 2020 and 2021

Francesca Marini¹, Philip Weyl², Harriet Hinz², Chandra Moffat³, Hester Williams³, René Sforza⁴, Marie-Claude Bon⁴, Javid Kashefi⁴, Tatjana Cvrković⁵, Biljana Vidovic⁶, Radmila Petanovic⁶, Enrico de Lillo⁷ and Massimo Cristofaro¹, ¹Biotechnology and Biological Control Agency, Rome, Italy, ²CABI, Delémont, Switzerland, ³Agriculture and Agri-Food Canada, Summerland Research and Development Centre, Summerland, BC, Canada, ⁴USDA - ARS, Montferrier-sur-Lez, France, ⁵Institute for Plant Protection and Environment, Belgrade, Serbia, ⁶University of Belgrade, Belgrade, Serbia, ⁷University of Bari Aldo Moro, Bari, Italy

8:40 AM

An overview of current weed projects at the CDFA Biological Control Program
Christopher Borkent¹, Viola Popescu², Mike Pitcairn¹, Charlie Pickett¹, Ricky Lara³ and Vincent Maiquez³, ¹CA Department of Food and Agriculture, IPC, Sacramento, CA, ²California Department of Food and Agriculture, Sacramento, CA, ³CDFA, Sacramento, CA

9:00 AM

Inclusion of chemical ecology in environmental safety assessments of biological weed control candidates: How meaningful are the data?

Mark Schwarzlaender, Karuna Nepal, Anjila Thapa, Jessica Fung and Ikju Park, University of Idaho, Moscow, ID

9:20 AM

Population growth and dispersal of the shoot tip-galling fly, *Parafreutreta regalis*, a biological control of Cape-ivy in California Scott Portman¹, Patrick Moran¹ and Kyra Santacruz², ¹USDA - ARS, Albany, CA, ²University of California-Berkeley, Berkeley, CA

10:00 AM

Break

10:35 AM

Parasitoids of Scolytinae in Hawaii

David Honsberger and Mark Wright, University of Hawai'i, Honolulu, HI

10:55 AM

A new ant parasitoid on the big island (Hymenoptera: Eucharitidae) – what is it and how will it do?

John Heraty, University of California, Riverside, CA

11:15 AM

CDFA's advances in classical biological control of agricultural pests in California

Ricky Lara¹, Charlie Pickett², Christopher J. Borkent³, Viola Popescu³ and Vincent Maiquez⁴, ¹CDFA, Sacramento, CA, ²CA Department of Food and Agriculture, IPC, Sacramento, CA, ³California Department of Food and Agriculture, Sacramento, CA, ⁴California State University, Sacramento, CA

11:35 AM

Plot size effects on non-target organism ecology in cotton

Isadora Bordini¹, Peter Ellsworth¹ and Steven Naranjo², ¹University of Arizona, Maricopa, AZ, ²USDA - ARS, Maricopa, AZ

W4185 Administrative Meeting. Steve Novak (Meeting Organizer and past Chair), Ruth Hufbauer (Chair), Sanford Eigenbrode, Adviser.

1. **Status of project.** After opening welcome statements by both Steve Novak and Adviser, Sanford Eigenbrode, a summary of the status of the Renewal submission was presented. The Renewal (now document W-5185 Temp) was submitted in January and is currently out for external review. Once those are in, comments will be distributed for our response. Before the Renewal was submitted, everyone was contacted and encouraged to resubmit their Appendix E should they wish to be a member of the next project cycle. In the past, the project would be approved and then a call would be distributed for those interested in participating. Thanks were extended to all the members that became part of the “renewal team”.
2. **Nominations and election of new Secretary and Member-at-Large.** We will be emailing the group in the coming few months to get nominations for the next Secretary and Member-at-Large. We do have a few names but would like to add to the list. These officers will be responsible for meetings in the next 2 years. Ruth Hufbauer (CO State), our current Secretary, sent information to Steve Novak to assist the discussion about the next meeting location and dates (below).
3. **Annual/Termination report** – individual reports due date and Termination report completion. The deadline for Annual Reports is 90 days after the official Annual meeting, so a deadline for individual reports will be June, 1, 2022.
4. **Location of next meeting** and discussion about past and future venues (issue of co-locating or continuing a stand-alone meeting). Ruth Hufbauer relayed the results of the survey she conducted earlier in the year concerning how and when we should meet next. Results showed the group wished to continue with stand-alone meetings in the fall vs. co-locating with another group. Simply holding a symposium limits the interaction a group of our size and diversity requires. Our normal 2 day meeting allows for members who travel farther distances to justify a comprehensive experience. Ruth is suggesting a repeat trip (last held in 2011) to the YMCA of the Rockies near Estes Park, CO, for October of this year (the next fiscal year). This puts us back on schedule after Covid-19 disrupted our meetings for the past 2 years. We will send details within a month for more input and to get rates and availability.

Participants

Name	Affiliation
LeBeck, Lynn	Assoc. Natural Biocontrol Producers
Johnson, Marshall	UC-Riverside
Novak, Steve	Boise State, Boise, Idaho
Schwarzlaender, Mark	U. of Idaho
Samikshya Aryal	U. of Idaho
Eigenbrode, Sanford	U. of Idaho
Wilson, Houston	UC-Riverside
Borkent, Chris	CDFA
Marini, Francesca	BBCA
Hoddle, Mark	UC-Riverside
Smith, Lincoln	USDA

Miller, Ross	U. of Guam
Naranjo, Steve	USDA- Phoenix
Wright, Mark	U. of Hawaii
Baur, Matt	Western IPM Center (CA)
Heraty, John	UC-Riverside
Daane, Kent	UC- Berkeley
Krugner, Rodrigo	USDA, ARS, Parlier, CA
Price, Joel	Oregon Dept. of Agriculture
Moran, Patrick	USDA-ARS, Albany, CA
Mercer, Nathan	UC-Berkeley
Serrano, Jacqueline	USDA-ARS, Wapato, WA
Wong, Warren	U. of British Columbia
Stahl, Judith	UC-Berkeley
Schurkman, Jacob	UC-Riverside
Reiser, Cassandra	UPL
Reger, Joshua	UC-Riverside
Becerra, Savana	UC-Riverside
Mauck, Kerry	UC-Riverside
Joyce, Andrea	UC-Merced
Brit, Kadie	UC-Riverside