**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

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**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](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Person/55965) **,** Boise State University

**Presentations**

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[W4185 updates](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157772) , **Sanford Eigenbrode**, University of Idaho, Moscow, ID

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[International consortium for the biological control of tree of heaven (*Ailanthus altissima*): A representative example of the research activities at BBCA during 2020 and 2021](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157654)

**Francesca Marini**1, Philip Weyl2, Hariet 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

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[56 An overview of current weed projects at the CDFA Biological Control Program](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157860)

**Christopher Borkent**1, Viola Popescu2, Mike Pitcairn1, Charlie Pickett1, Ricky Lara3 and Vincent Maiquez3, 1CA Department of Food and Agriculture, IPC, Sacremento, CA, 2California Department of Food and Agriculture, Sacramento, CA, 3CDFA, Sacramento, CA

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[57 Inclusion of chemical ecology in environmental safety assessments of biological weed control candidates: How meaningful are the data?](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/158091)

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

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[Population growth and dispersal of the shoot tip-galling fly, *Parafreutreta* *regalis*, a biological control of Cape-ivy in California](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157773)

**Scott Portman**1, Patrick Moran1 and Kyra Santacruz2, 1USDA - ARS, Albany, CA, 2University of California-Berkeley, Berkeley, CA

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[59 Manipulation of shoot growth aids establishment of the shoot tip-galling wasp *Tetramesa romana*, a biological control agent on giant reed (*Arundo donax*) in northern California](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157800)

**Patrick Moran**1, D. Valle Rogers1 and Ellyn Bitume2, 1USDA - ARS, Albany, CA, 2USDA - Forest Service, Hilo, HI

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[Break](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157859)

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[60 Seasonal phenology of *Ferrisia gilli* and its natural enemies in California pistachio](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157659)

**Nathan Mercer**, Judith Stahl and Kent Daane, University of California Berkeley, Parlier, CA

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[Parasitoids of Scolytinae in Hawaii](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157721)

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

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[62 A new ant parasitoid on the big island (Hymenoptera: Eucharitidae) – what is it and how will it do?](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157815)

**John Heraty**, University of California, Riverside, CA

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[63 CDFA's advances in classical biological control of agricultural pests in California](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/157862)

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

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[Plot size effects on non-target organism ecology in cotton](https://esa.confex.com/esa/2022pb/meetingapp.cgi/Paper/156261)

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

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

1. Status of project. Discussion and overview of the current project and future goals.

2. Nominations and election of new Secretary and Member-at-Large

3. Termination report – individual reports due date and Termination report completion

4. Location of next meeting and discussion about past and future venues (issue of co-locating or continuing a stand-alone meeting). Results of member survey on meeting issues.