

Minutes of the Technical Committee for Cooperative Regional Research Project W4185

Biological Control in Pest Management Systems of Plants Grouse Mountain Lodge, Whitefish, Montana, October 10-12, 2018

Technical Committee Members and Visitors Present

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Business meeting (additional notes)

Discussion of location and date for 2019 meeting. Paul Ode, Colorado State University, is the chair for the next W-4185 annual meeting that will be held in Fort Collins, CO on a date in October 2019 to be determined.

Houston Wilson, UC-Riverside, became the Secretary for 2019 and Steve Novak, Boise State University is Member-At-Large.

Below is the Agenda/Program for the meeting.

BIOLOGICAL CONTROL W-4185 ANNUAL MEETING OCTOBER 10-12, 2018

GROUSE MOUNTAIN LODGE, WHITEFISH, MONTANA
2 FAIRWAY DRIVE, WHITEFISH MT 59937

October 10, 2018

Registration 5-7 p.m.

Registration Fee: \$150.00

Cash and checks accepted

No Host Cocktails 5-7 p.m.

Dinner: Individual arrangements

Food available on site

Montana was designated as a territory on May 26, 1864 and entered into statehood on November 8, 1889 as the 41st state in the union.

FOR QUESTIONS AND INFORMATION

CONTACT: GADI V.P. REDDY

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OR JULIE ORCUTT

Welcome to Big Sky Country! Also known as “The Last Best Place!”

11-Oct-18

Bitterroot—The Montana State flower



Breakfast available on site

08:00AM Welcome to Whitefish, Montana

08:20AM W-4185 update from Dr. Laura Lavine

08:40AM Robert M. Nowierski—USDA-NIFA: The Status of Classical Biological Control of Weeds: One Step Forward and Two Steps Back

09:00AM Robert S. Pfannenstiel—USDA-APHIS:

09:20AM Lincoln Smith—USDA-EBCL: European Biological Control Laboratory - recent highlights

09:40AM Norman C Leppla—University of Florida: *Ephestia kuehniella* larval diets affect host egg and parasitoid quality but not selection of eggs for parasitism by *Trichogramma brassicae*

10:00-10:25 Morning break—refreshments sponsored by:

10:30AM Hariet L. Hinz—CABI Bioscience Switzerland: Update of work at CABI

10:50AM John Gaskin—USDA-ARS, Sydney: Genetic insights to weed invasion: Dyer's wood and hybrid trees

11:10AM Mark S. Hodel—University of California, Riverside: Leaning In: The Case for Proactive Bio-control

11:30AM Jeff Littlefield—Montana State University: Establishment and potential impact of the rush skeleton weed root moth in Idaho

11:50AM Ross H. Miller—University of Guam: Update on the biological control program in Guam

Lunch provided 12:10—1:00 in the great room

01:00PM Paul Pratt—USDA-ARS, Albany: The arrival of *Aceria genistae* in California: distribution, damage to Scotch broom and ecological host range

01:20AM Paul Ode—Colorado State University:

01:40AM Adler R. Dillman—University of California, Riverside: Entomopathogenic nematodes in biological control

02:00PM Dan Bean—Colorado Department of Agriculture:

02:20PM Kent M. Daane—University of California:

02:40PM David Morgan—California Department of Food & Agriculture: Update on Asian Citrus Psyllid Biological Control Activities in California

Glacier National Park was established by President Taft in 1910

3:00-3:25 Afternoon break—refreshments sponsored by:

03:30PM Zeynep Ozsoy—Colorado Mesa University: Another tamarisk specialist: Taxonomy and biology of *Coniatus* (sp. found in North America)

03:50PM Arash Rashed—University of Idaho: Soil type mediates the efficacy of entomopathogens against wireworms

04:10PM Govinda Shrestha—Montana State University: Biological control of wheat midge and pea leaf weevil

04:30PM Anamika Sharma—Montana State University: Biological control of wireworms and canola insect pests

04:50PM Ramandeep Kaur Sandhi—Montana State University: Exploring the possibilities of using entomopathogenic nematodes for wireworm management

Dinner provided

5:30-7:30 pm

Guest speaker Pat Hagen :

“Grizzly Details”

6:30 pm in the dining hall

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Picture



Montana has the largest migratory elk herd in the nation

Thank you to our sponsors:

Montana State University, College of Agriculture/Montana Agricultural Experiment Stations



12-Oct-18

Breakfast provided in the great room 7-8:30

08:40AM Alex Gaffke—Montana State University—Chemical ecology of *Diorhabda carinulata* and the biological control of saltcedar in Montana

09:00AM John Kaltenbach—Colorado Department of Agriculture: Emerald Ash Borer biological control

09:20AM Massimo Cristofaro—BBCA, Italy:

09:40AM Francesca Marini—BBCA, Italy:

10:00-10:25 Morning break—sponsored by:

10:30AM speaker—topic

10:50AM speaker—topic

11:10AM speaker—topic

11:30AM speaker—topic

11:50AM speaker—Business meeting

Concluding remarks, discussion and announcements.



Montana is the nations 3rd largest state at 145,552 square miles.