Western SARE Professional Development Program Workshop  
Holiday Inn, 1100 5th Street S, Great Falls, MT  
March 7-8, 2019

Pheromones as Tools for Monitoring Crop Insect Pests in the Northern Plains - Instructive Tools for Agricultural Professionals

Aim/Goals: The purpose of this project/workshop is to build agricultural professional’s understanding of pheromone-based monitoring techniques in order to incorporate them into current integrated pest management programs.

Thursday March 7, 2019  
10:00AM – Registration

10:15AM – Welcome and Updates from DRC: Dr. Darrin Boss, Head Department of Research Centers, MSU, Bozeman, MT

10:20AM – 11:00PM: Western SARE programs and joint management of cheatgrass and wheat stem sawfly: Dr. Fabián Menalled, WSARE Regional Coordinator, MSU-Bozeman, MT

11:00PM – 12:00PM: Trapping wheat stem sawflies in western cropping systems using a pheromone lure: Dr. David K. Weaver, MSU-LRES, Bozeman, MT

12:00PM – 1:00PM: Lunch Provided

01:00PM – 02:00PM: Recent research on semiochemical-based monitoring of insect pests on the Canadian Prairies: pea leaf weevil, bertha armyworm and cutworms, and wheat midge: Dr. Maya Evenden, University of Alberta, Edmonton, CANADA

2:00PM – 3:00PM: Monitoring methods for the insect pests of quinoa: Dr. Boyd A. Mori, Agriculture and Agri-Food Canada, Saskatoon, CANADA

3:00PM – 3:30PM: Coffee Break and Refreshments
3:30PM – 4:30PM: **Pheromone traps for monitoring economic insect pests of field crops in North Dakota:** Dr. Janet Knodel, North Dakota State University, Fargo, ND

4:30PM – 5:30PM: **Using Pheromones to monitoring insects in canola: Current success and future needs:** Dr. John Gavloski, Manitoba Agriculture, Carman, CANADA

6:00 –7:00PM: Dinner Provided

**Friday March 8, 2019**

7:00AM – 8:00AM: Breakfast Provided

8:00AM – 9:00AM: **Monitoring and management of click beetles and wireworms in field crops:** Dr. Christine Noronha, Agriculture and Agri-Food Canada, Charlottetown, Prince Edward Island, CANADA

9:00AM – 10:00AM: **Pheromones: theory, types and applications:** Gadi V.P. Reddy and Anamika Sharma, MSU-WTARC, Conrad, MT

10:00AM – 11:00AM: **Monitoring tools and techniques for insect pests in Northern Plains:** Dr. Michael A. Ivie, MSU-Plant Science and Plant Pathology, Bozeman, MT

11:00AM – 12:00noon: **Research and extension work to update alfalfa weevil monitoring and management in the western region: should pheromones be considered?** Kevin Wanner, MSU-LRES, Bozeman, MT

12:15noon – 1:15PM: Lunch Provided

1:15PM – 2:00PM: Wrap up and Evaluation

Adjourned

**MDA CE credits approved-day one-6 credits and day two-4 credits in categories 30, 10 and 39.**

**Dr. Gadi V.P. Reddy**, Principal Investigator, **Dr. Anamika Sharma**, Co-Principal Investigator, Western SARE-PDP, Montana State University, Western Triangle Ag Research Center, 9546 Old Shelby Rd., P. O. Box 656, Conrad, MT 59425, USA

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Registration Form Western SARE Workshop

We thank you for your interest in participating in our Western SARE Workshop “Pheromones as Tools for Monitoring the Insect Pests in the Northern Plains”. Please fill in our Workshop Registration Form below to receive your name tag and the schedule of the entire event. We would like your pre-registration by Friday, March 1st, to help in planning for meals and handouts.

Attendee's Name
Will appear on Name Tag

Company/ Organization
Will appear on Name Tag

Phone

Email:

Mailing Address
Street Address
Street Address Line 2
City
Region
Zip Code

Workshop Participation
Attending:

☐ First day Sessions ☐ Second day Sessions ☐ All sessions ☐ Dinner Banquet

Do you require accommodations? (Rooms are blocked at Holiday Inn, Great Falls
☐ Yes ☐ No 406-727-7200 Meeting Code: WTA)

March 6th, March 7th, March 8th (Please circle dates needed)

Please send the registration form to Julie Orcutt, WTARC, Admin. Associate at julie.orcutt1@montana.edu
Phone: (406) 278-7707
FAX: (406) 278-7797