

South Dakota Pollinator Workshop

Pierre Regional Extension Center

July 15, 2016

8:30 Check-in

9:00 Pollinators and insecticides: What do we really know? – Adam Varenhorst

11:00 Finding Diversity in a Green Desert: How to conserve the pollinators that use crop fields – Matt O'Neal

12:00 Lunch

1:00 Building pollinator habitat: considerations for projects large and small – Amanda Bachmann

2:00 Field Visit, Oahe Downstream Recreation Area – Prairie Butterfly Garden

4:00 Evaluation

Speakers

Amanda Bachmann
Pesticide Education & Urban
Entomology Field Specialist –
SDSU

Adam Varenhorst
Assistant Professor & Extension
Field Crop Entomologist –SDSU

Matt O'Neal
Associate Professor – Iowa State
University

Location

Pierre Regional Extension Center
412 W. Missouri Ave., Pierre SD

Sponsored by SDSU Extension and North Central SARE
Registration: \$25. Please pre-register by July 11, 2016 at:
<http://igrow.org/events/south-dakota-pollinator-workshop/>.



Presentation abstracts



Pollinators and insecticides: what do we really know? – Adam Varenhorst

Broad-spectrum insecticides are known to have negative impacts on pest populations as well as beneficial insects present at the time of their application. In recent years, the focus of this topic has been the effect of neonicotinoid seed treatment insecticides on bees. In this session, we will review the evidence of the impacts of insecticides on pollinators and discuss the efforts that are underway to minimize pollinator exposure to these chemicals. Participants will get the chance to learn about labeling changes, sensitive site registry, and to reduce the impact of insecticides on pollinators.



Finding Diversity in a Green Desert: How to conserve the pollinators that use crop fields – Matt O'Neal

Although most of the economically important crops in the Midwest don't require insect pollination, bees use these crops for nectar and pollen resources. This allows for several species to survive in a landscape dominated by crops such as corn and soybeans. In this session, we will review the beneficial insects found in these crops, with a focus on the pollinator community that uses them. Participants will get a crash-course in insect identification to help them cue-in on some of the most important beneficial insects. Finally, we'll discuss some approaches to conserving pollinators.



Building pollinator habitat: considerations for projects large and small – Amanda Bachmann

Pollinators require floral resources (pollen and nectar), nesting sites, and water to be successful. Habitat loss is a factor in pollinator decline, and creating suitable habitat can assist local pollinator populations. In this session we will review strategies for establishing pollinator habitat on both large and small scales. Participants will learn about South Dakota native plants, how to select and establish plant material, site selection, and public outreach to promote and support created pollinator habitats. A tour of the Prairie Butterfly Garden at the Oahe Downstream Recreation Area will follow.

**If you have questions about this program, please contact
Amanda Bachmann (605-773-8120, amanda.bachmann@sdstate.edu) or
Adam Varenhorst (605-688-6854, adam.varenhorst@sdstate.edu).**

Registration is available online at: <http://igrow.org/events/south-dakota-pollinator-workshop/>.