

# **Erin E. Burns**

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## **EDUCATION:**

Doctor of Philosophy, Plant Sciences (2012-Present)  
Montana State University, Bozeman, MT 59717

Master of Science, Plant Sciences (June 2012)  
North Dakota State University, Fargo, ND 58102

Bachelor of Arts, Biology (May 2009)  
College of Saint Benedict, Saint Joseph, MN 56374

## **RESEARCH EXPERIENCE SUMMARY:**

North Dakota State University and Montana State University  
2010-2012 and 2012-Present  
Graduate Research Assistant

Design and implement field, greenhouse, and laboratory research. Analyze data using SAS and R statistical programs. Compile data and information to produce research reports using Microsoft software programs. Present research to a variety of audiences including: producers, land managers, industry, and academic individuals.

## **TEACHING EXPERIENCE SUMMARY:**

Teaching Assistant, Montana State University  
Spring 2013, Fall 2014

Teaching assistant for General Genetic 375 and Land Resources Environmental Sciences 110. Assisted in the design and grading of homework assignments, quizzes, and exams. Additionally, aided students by answering questions in and outside of lecture and holding open office hours.

Teaching Assistant, College of Saint Benedict/Saint John's University  
Spring 2008-2009

Teaching assistant for Introduction to Evolution, Ecology, and Diversity, a sophomore/junior-level laboratory class supplementing Biology 222. Responsible for laboratory set-up and implementation, provided student performance evaluations on laboratory activities, mentored students in all facets of laboratory function. Designed and administered laboratory practicals.

## **SELECTED UNIVERSITY SERVICE AND AWARDS:**

Weed Science Society of America Graduate Student Travel Award (2012)  
Phi Kappa Phi Honor Society (2011-2012)  
Charles and Linda Moses Presidential Graduate Fellowship, NDSU (2011-2012)  
NDSU Plant Sciences Graduate Student Association Philanthropy Chair (2010-2011)  
Presidents Scholarship, College of Saint Benedict (2005-2009)

## **PUBLICATIONS and PRESENTATIONS:**

Keith B. K., E. A. Lehnhoff, E. E. Burns, F. D. Menalled, and W. E. Dyer. 2014. Characterization of *Avena fatua* L. populations with resistance to multiple herbicides. *Weed Res.* (in press).

Burns E. E., W. E. Dyer, F. Menalled, E. A. Lehnhoff, and B. K. Keith. 2014. Impact of environmental and biological stressors on the demography and ecological fitness of multiple herbicide resistant Wild oat (*Avena fatua*). *Proc. West. Weed Sci.* 67:60.

Burns, E. E., D. A. Prischmann-Voldseth, and G. Gramig. 2013. Integrated management of Canada thistle (*Cirsium arvense*) with insect biological control and plant competition under variable soil nutrients. *Invasive Plant Sci Manag.* 6:512-520.

Burns, E. E. Integrated Weed Management of Canada thistle (*Cirsium arvense* L.). 2012. Master's thesis.

Prischmann-Voldseth, D. A., G. Gramig, and E. E. Burns. 2012. Home on the range: establishment of a Canada thistle biological control agent. *Rangeland J.* Vol. 34:2-5.

Burns, E. E., G. Gramig, and D. A. Prischmann-Voldseth. 2012. Integrating weevil herbivory, a native cover crop, and soil nutrients for Canada thistle (*Cirsium arvense* L.) control. *Proc. Weed Sci. Soc. Am.* 52:50.

Burns, E. E., G. Gramig, and D. A. Prischmann-Voldseth. 2011. Effects of native cover crop, introduced weevil herbivory, and soil nutrients on Canada thistle (*Cirsium arvense* L.). *Proc. West. Weed Sci.* 64: 20.