

# Robert Grosdidier

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## EDUCATION

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Kansas State University, Manhattan, KS

Expected: May 2020

**Bachelor of Science in Fisheries, Wildlife, and Conservation Biology**

GPA: 3.85

Minor: Entomology

Specializations: Wildlife Ecology and Management  
Biodiversity and Conservation

## RESEARCH EXPERIENCE

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Nov 2017 – Current

### Biological Science Aide

USDA/ARS Center for Grain and Animal Health Research

Supervisor: Dr. Rob Morrison

Responsibilities: Conducted research focused on insect behavioral ecology. Collected and entered data. Prepared and maintained stored product pest insect colonies. Cleaned and organized lab equipment. Wrote up and presented research.

Focus of research: Investigated the possibility of *Trogoderma variabile* to be used as a behavioral surrogate for *Trogoderma granarium* through the use of dual-choice, trapping, mini wind tunnel, and arrestment assays using commonly available semiochemical attractants as independent variables.

## WORK EXPERIENCE

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**Inventory Associate/Inventory Counter**, WIS International, Kansas City, KS

June-August 2017

- Took inventory at various department stores in the Midwest.

**Student Caller**, Ruffalo Noel Levitz, Manhattan, KS

April-May 2017

- Raised over \$5000 for Kansas State University in three weeks at the K-State Telefund.

## PEER-REVIEWED PUBLICATIONS

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Accepted Morrison III, W.R., **R. Grosdidier**, F. Arthur, S. Myers, M. Domingue. Attraction, arrestment, and preference by immature *Trogoderma variabile* and the invasive khapra beetle, *Trogoderma granarium* (Coleoptera: Dermestidae) to commercially available lures. *Journal of Pest Science*, accepted.

## PRESENTATIONS

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Nov. 2019 Morrison, III W.R., R. Wilkins, H. Quellhorst, **R. Grosdidier**, C. Albin. Can we afford to stop IPM after harvest? Farm to Fork IPM programs to improve the sustainability of pest management for the entire agricultural supply chain. National Entomological Society of America: Advocating for IPM in a Dynamic Agricultural World, St. Louis, MO. (*Invited*)

- Apr. 2019 **Grosdidier, R.**, W.R. Morrison III, F. Arthur, and M. Domingue. *Trogoderma variable* is not an adequate surrogate species for the behavioral response of the invasive stored product pest, *Trogoderma granarium* (Coleoptera: Dermestidae). Virtual Poster Presentation, 2019 International Branch Virtual Symposium, Entomological Society of America.
- Mar. 2019 **Grosdidier, R.**, W.R. Morrison III, F. Arthur, and M. Domingue. *Trogoderma variable* is not an adequate surrogate species for the behavioral response of the invasive stored product pest, *Trogoderma granarium* (Coleoptera: Dermestidae). Poster Presentation, 95<sup>th</sup> Kansas Entomological Society Annual Meeting, Johnson County Community College.
- Mar. 2019 Morrison, III W.R., **R. Grosdidier**, F.H. Arthur, C. Athanassiou, S. Myers, and M. Domingue. From lab studies to the field: How the behavioral ecology of post-harvest insects can inform monitoring, management, and quarantine programs. 74th Annual Meeting of the North-Central Branch of the Entomological Society of America, Cincinnati, OH. (*Invited*)
- Dec. 2018 **Grosdidier, R.**, W. R. Morrison III, M. Domingue, and F. Arthur. *Trogoderma variable* is not an adequate surrogate species for the behavioral response of the invasive stored product pest, *Trogoderma granarium* (Coleoptera: Dermestidae). Poster Presentation, 3<sup>rd</sup> Annual Undergraduate Research Experience in Entomology Poster Symposium, Kansas State University.
- Nov 2018 **Grosdidier, R.**, W.R. Morrison III, M. Domingue, and F.H. Arthur. *Trogoderma variable* is not an adequate surrogate species for the behavioral response of the invasive stored product pest, *Trogoderma granarium* (Coleoptera: Dermestidae). Joint Annual Meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, Vancouver, Canada.
- Apr. 2018 **Grosdidier, R.**, W. R. Morrison III, F. Arthur, and M. Domingue. The potential of the *Trogoderma variable* to act as a behavioral surrogate species for the invasive stored product pest, *Trogoderma granarium* (Coeloptera: Dermestidae). Poster Presentation, Division of Biology's 19<sup>th</sup> Annual Undergraduate Research Forum, Kansas State University.
- Apr. 2018 **Grosdidier, R.**, W. R. Morrison III, F. Arthur, and M. Domingue. The potential of the *Trogoderma variable* to act as a behavioral surrogate species for the invasive stored product pest, *Trogoderma granarium* (Coeloptera: Dermestidae). Virtual poster presentation, 2018 International Branch Virtual Symposium, Entomological Society of America.
- Mar. 2018 Morrison, III W.R., **R. Grosdidier**, M. Domingue, F.H. Arthur. Assessing attractants for potential inclusion in behaviorally-based monitoring and management strategies for the warehouse and khapra beetle. 73rd Annual Meeting

of the North-Central Branch of the Entomological Society of America, Madison, WI.

- Dec. 2017 **Grosdidier, R.**, W. R. Morrison III, F. Arthur, and M. Domingue. Assessing *Trogoderma variabile* as a behavioral surrogate for the quarantine pest, *Trogoderma granarium* (Coleoptera: Dermestidae), through dual choice assays. Poster presentation, 2<sup>nd</sup> Annual Undergraduate Research Experience in Entomology Poster Symposium, Kansas State University.

### **AWARDS**

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- Mar. 2019 2<sup>nd</sup> Place in the Undergraduate Poster Presentation Competition, Kansas Entomological Society, 95<sup>th</sup> Kansas Entomological Society Annual Meeting
- Dec. 2018 Best Presentation Award, Kansas State University Department of Entomology, 3<sup>rd</sup> Annual Undergraduate Research Experience in Entomology Poster Symposium
- Dec. 2017 Dean's Scholarship (**\$100**), Kansas State University Department of Entomology, 2<sup>nd</sup> Annual Undergraduate Research Experience in Entomology Poster Symposium
- Dec. 2017 Best Experiment Award, Kansas State University Department of Entomology, 2<sup>nd</sup> Annual Undergraduate Research Experience in Entomology Poster Symposium

### **MEMBERSHIPS**

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- Aug. 2018-Present Ecological Society of America
- Feb. 2018-Present Entomological Society of America
- Sep. 2018-Present The Kansas State University Chapter of the Wildlife Society
- Aug. 2018-Present Popenoe Entomology Club

### **RELEVANT COURSEWORK**

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- Biometrics I and II
- Fisheries/Wildlife Conservation Biology
- Fundamentals of Ecology
- General Entomology
- Mammalogy
- Modern Genetics
- Organismic Biology
- Ornithology
- Principles of Conservation Biology
- Taxonomy of Flowering Plants
- Wildlife Management and Techniques

### **SERVICE AND LEADERSHIP ROLES**

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- Aug. 2019-Present Vice President of the KSU Wildlife Society
- Aug. 2018-May. 2019 Research Chairman of the KSU Wildlife Society
- Aug. 2018-Dec. 2018 Member, Department of Entomology Taskforce to assess the need for a separate undergraduate entomology organization, KSU