

## CURRICULUM VITAE

GABRIEL G. FOOTE

### Address

University of California-Davis  
Dept. of Entomology and Nematology  
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### Contact

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### Education

Ph.D., Entomology, University of California, Davis California, Davis	2019-present
M.S., Forestry, Oregon State University Corvallis, OR	2016-2018
B.S., Entomology, University of Wisconsin-Madison Madison, WI	2011-2015

### Professional experience

Graduate (Ph.D.) Student Researcher Thesis: <i>Conservation and management guidelines for insect pollinators and bark beetle pests in coniferous forests of the southwestern US</i> Department of Entomology and Nematology University of California-Davis Advisor: Dr. Hugh Safford	9/2019-present
Forest Pollinator Research Assistant Project: <i>Effects of stand harvest on local bee diversity in Douglas-fir forests of the Oregon Coast Range</i> Department of Forest Ecosystems and Society Oregon State University, Corvallis, OR Supervisor: Dr. James Rivers	4/2019-8/2019
Bee Taxonomist Project: <i>Phenology of the urban-bee community in Portland, Oregon</i> Department of Horticulture Oregon State Univ. Supervisor: Dr. Gail Langellotto	1/2019-4/2019

**Professional experience (cont.)**

Graduate (M.S) Student Researcher 7/2016-12/2018  
Thesis: *Interactions between wild bee communities and Douglas-fir beetle populations in Douglas-fir forests of the Intermountain West*  
Dept. of Forest Ecosystems and Society  
Oregon State Univ.  
Advisor: Dr. Darrell Ross

Invasive Insect Field Technician 6/2015-6/2016  
Project: *Monitoring for invasive insect pests in specialty crops*  
Illinois Natural History Survey, Urbana, IL  
Supervisor: Kelly Estes

Student Research Assistant: 9/2014-5/2015  
Project: *Bumblebee polyethism and foraging behavior in cranberry fields*  
Department of Entomology  
University of Wisconsin, Madison, WI  
Supervisor: Dr. Claudio Gratton

Laboratory and Field Technician 1/2014-8/2014  
Project: *Native bee pollination services in apple orchards*  
Dept. of Entomology, UW-Madison  
Supervisors: Dr. Claudio Gratton, Dr. Rachel Mallinger

Student Research Assistant: 8/2013-12/2013  
Department of Entomology  
Project: *Effects of landscape composition on bumblebee colony productivity*  
University of Wisconsin, Madison, WI  
Supervisor: Dr. Claudio Gratton

Laboratory and Field Technician 10/2011-12/2012  
Project: *Insect community responses to climate change in aspen forests*  
Department of Forest Wildlife and Ecology  
University of Wisconsin, Madison, WI  
Supervisors Dr. Phil Townsend, Dr. John Couture

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## **Publications**

Foote, G.G., N.E. Foote, J.B. Runyon, D.W. Ross, and C.J. Fettig. 2020. Changes in the summer wild bee community following a bark beetle outbreak in a Douglas-fir forest. *Environmental Entomology* 49(6):1437-1448.

Foote, G.G., C. J. Fettig, D. W. Ross, J. B. Runyon, T. W. Coleman, M. L. Gaylord, A. D. Graves, J. D. McMillin, L. A. Mortenson, and A. Mafra-Neto. 2020. A biodegradable formulation of MCH (3-methylcyclohex-2-en-1-one) for protecting *Pseudotsuga menziesii* from *Dendroctonus pseudotsugae* (Coleoptera: Curculionidae) colonization. *Economic Entomology*. 113:1858-1863.

Foote, G. G. 2019. Voucher specimens deposited in the Oregon State Arthropod Collection for Master of Science Dissertation, forest pollinators (Hymenoptera, Apiformes). *Catalog: Oregon State Arthropod Collection*. 3: 1–2.

Foote, G.G., J.B. Runyon, C.J. Fettig, N.E. Foote, and D.W. Ross. Wild bee response to application of the Douglas-fir beetle antiaggregation pheromone, 3-methylcyclohex-2-en-1-one. *Economic Entomology*: In review.

## **Grants and awards**

U.S Forest Service Special Technology Development Program. 2021. \$22,000  
USFS and University of California-Davis

Henry A. Jastro Graduate Research Award. 2020. \$3,000  
Department of Entomology and Nematology, University of California-Davis.

U.S Forest Service Special Technology Development Program. 2020. \$27,000  
USFS and University of California-Davis

College of Forestry Fellowship Recipient. 2018. \$1,000  
Department of Forest Ecosystems and Society, Oregon State University

College of Forestry Fellowship Recipient. 2017. \$1,000  
Department of Forest Ecosystems and Society, Oregon State University

## **Oral presentations**

11/2020

Natural Areas Conference, Reno, NV

Speaker, pollinator symposium: *Wild bee diversity increases following a bark beetle outbreak in a Douglas-fir forest*

11/2019

Entomological Society of America, St. Louis, MO

Invited speaker (Dr. Justin Runyon presenting), pollinator symposium: *Managing for Douglas-fir beetle (Dendroctonus pseudotsugae) in high risk stands: implications for the forest-associated bee community*

## **Oral presentations (cont.)**

4/2019

Western Forest Insect Work Conference, Anchorage, AK

Invited speaker (Dr. Darrell Ross presenting), forest pollinator symposium: *Community level responses of forest dwelling bees to a Douglas-fir beetle outbreak in Idaho*

3/2018

Western Forest Insect Work Conference, Denver, CO

Invited speaker, pollinator symposium: *Influences of the Douglas-fir beetle (Dendroctonus pseudotsugae) and forest habitat structure on associated bee communities within Douglas-fir (Pseudotsuga menziesii) forests of Idaho*

11/2017

Entomological Society of America, Denver, CO

10-minute student paper competition: *Does a semiochemical tool widely used for protecting trees from Douglas-fir beetle (Dendroctonus pseudotsugae) infestation affect the associated bee community?*

5/2017

Western Forest Insect Work Conference, Jackson, WY

Invited speaker, forest pollinator symposium: *Observations on bee diversity and abundance in Douglas Fir Forests in Eastern Idaho*

## **Poster Presentations**

11/2019

California Forest Pest Council Meeting, Davis, CA

Title: *Community level responses of forest dwelling bees to a Douglas-fir beetle outbreak in Idaho*

4/2018

Western Forest Insect Work Conference, Denver, CO

Title: *Efficacy of a novel formulation of the anti-aggregation pheromone 3-methylcyclohex-2-en-1-one (MCH) for managing Douglas-fir beetle (Dendroctonus pseudotsugae) in high risk stands*

11/2017

Entomological Society of America Annual Meeting, Denver, CO

Title: *3-methylcyclohex-2-en-1-one: Development of a novel formulation for tree protection and assessment of ecological risks to forest pollinators*

5/2017

Western Forest Insect Work Conference, Jackson, WY

Title: *MCH: Development of a Novel Formulation for Tree Protection and Assessment of Ecological Risks to Forest Pollinators*

11/2016

Society of American Foresters National Convention, Madison, WI

Title: *MCH: Development of a Novel Formulation for Tree Protection and Assessment of Ecological Risks to Forest Pollinators*

**Teaching experience**

Teaching Assistant, Introductory Biology  
Dept. Ecology and Evolution, UC-Davis

Winter 2019 & 2020, Summer 2020

Teaching Assistant, Introductory Ecology  
Dept. Ecology and Evolution, UC-Davis

Spring 2020

Teaching Assistant, Introduction to Apiculture  
Dept. Entomology and Nematology, UC-Davis

Spring 2020

Teaching Assistant, Forest Entomology  
Dept. of Forest Ecosystems and Society, Oregon State Univ.

Spring 2018 & 2019