**VITAE: Dr. George D. Hoffman**

Current position:Research Associate, Dept. of Crop and Soil Science, Oregon State University

Mailing Address: 109 Crops Building, Oregon State University, Corvallis, OR 97331

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EDUCATION

Ph. D., Entomology, University of Wisconsin-Madison, December 1989.

M. S., Entomology, Oregon State University, March 1983.

B.A., Field Major in Biology, Univ. of California, Berkeley, December 1975.

PROFESSIONAL APPOINTMENTS

1999-present: Faculty Research Associate, PI status, Oregon State University.

1989-97: Post-doctoral Research Associate, University of Wisconsin-Madison.

1984-89: Graduate Research Assistant, University of Wisconsin-Madison.

1983-84: Visiting Scientist, Waite Agric. Research Institute, Univ. of Adelaide, S. Australia.

1978-83: Graduate Student, Oregon State Univ.; Research Assist., Oregon State University.

RECENT RESEARCH PROJECTS

Manager for SCRI funded, Project Integrate Crop Pollination involving blueberry production

Eriophyid mites on grapes: their biology and damage.

Biological and plant nutritional factors affecting *Epichloë typhina* (Choke) in orchardgrass

Slug control in grass seed production systems.

The effect of host plant and leaf age on cereal leaf beetle host use.

Factors contributing to the infestation of bent grass by the thrips species, *Chirothrips manicatus*.Assisted the meadowfoam oil seed industry in Oregon through agronomic trials, facilitated grower

initiated and executed on-farm meadowfoam management trials

Blue orchard bee pollination and reproduction on meadowfoam.

RESEARCH SKILLS

Data analysis- extensive knowledge of SAS statistical packages, statistical models,

Mathematica, programmed in Fortran and C++

Managing research station, and large scale on-farm trials

Pesticide consultant license

Plant microtechnique

Principle Investigator on four grants.

PROFESSIONAL ACTIVITIES AND AWARDS

Oregon State Univ. CAS Meadowfoam Advisory Committee.

PBESA IPM Team Award 2009. Western Cereal Leaf Beetle Team.

RECENT PUBLICATIONS.

Hoffman, G.D., and S. Rao. 2014. Fertilization of *Epichloë typhina* stromata by mycophagous slugs. Mycologia 106:1-7.

Anderson, N., G. Hoffman and A. Dreves. 2013. Effectiveness of iron chelate molluscide baits for control of gray field slugs (Deroceras Reticulatum M.) in grass and clover seed crops in Oregon. Journal of the National Association of County Agricultural Agents. 6(2): Online. <http://www.nacaa.com/journal/index.php?jid=266>

Hoffman, G.D., and S. Rao. 2013 Association of slugs with the fungal pathogen *Epichloë typhina* (Ascomycotina: Clavicipitaceae): potential role in stroma fertilization and disease spread. Ann Appl Biol. 162**:** 324–334

Rao, S., S. Alderman, J. Kaser, and G. Hoffman. 2012. Fertilization of *Epichloë typhina* in cultivated *Dactylis glomerata* by factors besides *Botanophila* flies. In:Young CA, Aiken GE, McCulley RL, Strickland JR, Schardl CL, eds. *Epichloë*, endophytes of cool season grasses: implications, utilization, and biology. Ardmore, OK, USA: The Samuel Roberts Noble Foundation.

Hoffman, G.D., and S. Rao. 2011. Cereal leaf beetle, *Oulema melanopus* (L.) (Coleoptera: Chrysomelidae) oviposition site selection: the effect of plant architecture, plant and leaf age, and the importance of tissue toughness and hardness in grasses. Entomologia experimentalis et applicata 141:232-244.

Anderson N.P., G.D. Hoffman, and A. J. Dreves. 2010. Evaluation of newly formulated molluscides for control of slugs in the western Oregon grass seed fields. *In* W.C. Young III (ed.) Seed Production Research at Oregon State Univ., pp. 15-18.

Rao S., G.D. Hoffman, J.M. Kaser, and S.C. Alderman. 2010. Fertilization of the choke pathogen in orchardgrass seed production fields in the Willamette Valley. *In* W.C. Young III (ed.) Seed Production Research at Oregon State Univ., pp. 11-14.

Hoffman, G.H., and S. Rao. 2010. Cereal leaf beetle, *Oulema melanopus* (L.) (Coleoptera: Chrysomelidae), attraction to oat plantings of different ages. J. Entomol. Soc. British Columbia 107: 57-66.

Gavin, W.E., G.D. Hoffman, and G.M. Banowetz. 2009. Cost and benefit in control of the grey field slug in western Oregon. *In* W.C. Young III (ed.) Seed Production Research at Oregon State Univ., pp. 21-24.

Gavin, W.E., G.D. Hoffman, and G.M. Banowetz. 2008. Control of the gray field slug during annual ryegrass establishment. *In* W.C. Young III (ed.) Seed Production Research at Oregon State Univ., pp. 71-76.

Hoffman, G.D., and S. Rao. 2006. Cereal leaf beetle egg laying on oat plants and leaves of different ages. *In* W.C. Young III (ed.) Seed Production Research at Oregon State Univ., pp. 39-41.

Hoffman, G.D., S. Rao, and D.T. Ehrensing. 2005. Cereal leaf beetle attraction to oat plantings of different ages. *In* W.C. Young III (ed.) Seed Production Research at Oregon State Univ., pp. 65-67.

Hoffman, G.D., and G.D. Jolliff. 2005. Two Pteromalid parasitoids recovered from meadowfoam fly (*Scaptomyza apicalis*) puparia in the Willamette Valley, Oregon; with notes on three years of parasitism rates. Pan-Pac Entomol. 81:94-96.

Hoffman, G.D., D. Duerst, and G.D. Jolliff. 2002. Farmer – university collaboration with meadowfoam research. p. 201-204. In: J. Janick and A. Whipkey (eds.), Trends in new crops and new uses. ASHS Press, Alexander, VA.

Jolliff, G.D., and G.D. Hoffman. 2002. Meadowfoam Industry Update. p. 192-200. In: J. Janick and A. Whipkey (eds.), Trends in new crops and new uses. ASHS Press, Alexander, VA.

MANUSCRIPTS: In preparation

Hoffman, G.D., and S. Rao. Orchardgrass infected with choke disease by ascospores vectored in slug frass..

Hoffman, G.D., Peterson, S.S., Bosch, J., and KempW. Ranching the orchard pollinator *Osmia lignaria* (Hymenoptera: Megachilidae) on commercial meadowfoam *Limnanthes alba* (Brassicales: Limnanthaceae).

RECENT FIRST AUTHOR PROFESSIONAL PRESENTATIONS

Hoffman, G.D., and S. Rao. 2015. Project Integrate Crop Pollination in Oregon blueberries. 74th Ann PNW Insect Management Conference. Portland, OR. Jan 12-13

Hoffman, G.D. 2014. Grape rust mite (*Calepitrimerus vitis*) densities and the development of short shoot syndrome in the Willamette Valley, Oregon. Entomol. Soc. America Ann. Meeting. Portland, OR 16-19.

Hoffman, G.D., and S. Rao. 2011. Slugs – Accidental or intentional predators of insects. Entomol. Soc. America Ann. Meeting. Reno NV Nov. 13-16.

Hoffman, G.D., and S. Rao. 2008. Cereal leaf beetle host selection: The effect of plant architecture and plant and leaf age. Entomol. Soc. America Ann. Meeting. Reno NV Nov. 16-19.

Hoffman, G.D., and S. Rao. 2007. Cereal leaf beetle host selection: the effect of plant and leaf age. Entomol. Soc. America, Pac. Br. Meeting. March 25-28, Portland OR.

RECENT GROWER PRESENTATIONS

Clover Seed Commission. A new Look at an old pest: Clover Root Borer. January 29, 2013

Willamette Valley Research & Technical Group Meeting. Rust mite research. July 10th, 2012,

Hyslop Field Day. Choke research in orchard grass: role of slugs and varieties. May 25, 2011

Orchardgrass Commission Annual Meeting 2011.

Hyslop Field Day. Slugs, bugs and alien *Epichloe*. May 26, 2010.

Orchardgrass Commission Annual Meeting 2010.