

CURRICULUM VITA

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EDUCATION

Ph.D. 1978 University of Wyoming, Laramie, Wyoming (Entomology)
M.S. 1975 University of Wyoming, Laramie, Wyoming (Entomology)
B.S. 1970 Eastern Mennonite University, Harrisonburg, Virginia (Biology)

PROFESSIONAL EXPERIENCE

2005 – Present. Professor, Department of Animal and Range Sciences, Montana State University. Academic Appointment: Extension Service 0.55, Agricultural Experiment Station 0.4, College 0.05

2001 – 2005. Professor and Head, Department of Entomology, Montana State University

1993 - 2001. Associate Professor and Department Head, Department of Entomology, Montana State University

1992 - 1993. Acting Head, Associate Professor, Entomology Research Laboratory, Montana State University.

1986 - 1992. Assistant Professor, Pesticide Education Specialist, Entomology Research Laboratory, Montana State University. Academic Appointment: 0.7 Extension Service, 0.3 Agricultural Experiment Station.

1982 - 1986. Research Associate, Department of Entomology, University of Nebraska, West Central Research and Extension Center, North Platte, NE.

1980 - 1982. Mosquito and Vector Control Specialist, Environmental Health Division, Boulder County Health Department, Boulder, CO.

1978 - 1980 Research Associate, Department of Entomology, University of California, Riverside, CA

RESEARCH INTERESTS

Ecology and management of arthropods affecting domestic livestock, wildlife and public health.

PUBLICATIONS

Refereed Publications

Rolston, M., **G. Johnson**, G. Hokit. 2016. A taxonomic checklist of the mosquitoes of Montana with notes on new geographic distributions. *J. American Mosq. Control Assoc.* 32(4): [in print].

Otranto, D., **G. Johnson**, K. Syvrud, S. Yoon, J. Hunter and S. Rehbein. 2016. Treatment and control of bovine hypodermosis with ivermectin long-acting injection (IVOMEC® GOLD). *Parasites & Vectors.* 551. DOI: 10.1186/s13071-016-1823-8.

Zuliani A., A. Massolo, T. Lysyk, **G. Johnson**, S. Marshall, K. Berger, S. Cork. 2015. Modelling the northward expansion of *Culicoides sonorensis* (Diptera: Ceratopogonidae) under future climate scenarios. *PLOS ONE.* DOI: 10.1371/journal.pone.0130294.

Johnson, G., C. Bahnson, P. Ishii, Z. Cochrane, G. Hokit, P. Plummer, L. Bartholomay, B. Blitvich. 2014. Monitoring sheep and *Culicoides* midges in Montana for evidence of Bunyamwera serogroup virus infection. *Vet Rec. Open.* 0:e000071. doi:10.1136/vetreco-2014-000071.

Hokit, G, S Alvey, J. Geiger, **G. Johnson**, M. Rolston, D. Kinsey, and N. Tall Bear. 2013. Using undergraduate reserachers to build vector and West Nile virus surveillance capacity. *Int. J. Environ. Res. Public Health.* 10: 3192 – 3202.

Friesen, KM and **GD Johnson**. 2013. Mosquito and West Nile virus surveillance in northeast Montana, 2005-2006. *Med Vet Entomol.* 27: 1 – 9.

Friesen, KM and **GD Johnson**. 2013. Evaluation of methods for collecting blood engorged mosquitoes (Diptera: Culicidae) from habitats within a wildlife refuge in northeast Montana. *J. American Mosq. Control Assoc.* 29: 102 – 107.

Friesen, KM and **GD Johnson**. 2013. Stable fly (Diptera: Muscidae) phenology in a mixed agricultural-wildlife ecosystem in northeast Montana. *Environ. Entomol.* 42: 49 – 57.

Johnson, G. D., H. B. Goosey, M. G. Rolston, W. L. Miller, D. G. Hokit, R. R. Redden, and R. J. Kott. 2013. Evaluation of mosquito responses to pyrethroid insecticides topically applied to sheep. 29:146 – 153.

Goosey, H. B., J. P Hatfield, M. G. Rolston, **G. D. Johnson**, and P. G. Hatfield. 2013.

- Hymenopteran parasitoid response to sheep grazing, tillage, and herbicides in wheat-fallow rotations. *J. Kansas Entomol. Soc.* 86:22 – 35.
- Friesen K. M. and **G. D. Johnson**. 2013. Reproductive Potential of Stable Flies (Diptera: Muscidae) Fed Cattle, Chicken, or Horse Blood. *J. Med. Ent.* 49:461-466.
- Johnson, G.** N. Panella, K. Hale and N. Komar. 2010. Detection of West Nile Virus in Stable Flies (Diptera: Muscidae) Parasitizing Juvenile American White Pelicans. *J. Med Ent.* 16: 1205 – 1211.
- Johnson, G.**, N. Nemeth, K. Hale, N. Lindsey, N. Panella and N. Komar. 2010. Surveillance for West Nile Virus in American White Pelicans, Montana, USA, 2006 – 2007. *Emerg. Infect. Dis.* 16: 406 – 411.
- Reeves, W., J. Lloyd, R. Stobart, C. Stith, M. Miller, K. Bennett and **G. Johnson**. 2010. Control of *Culicoides sonorensis* (Diptera: Ceratopogonidae) Blood Feeding on Sheep with Long-lasting Repellent Pesticides. *J. Am. Mosq. Contr. Assoc.* 26: 302 – 305.
- Miller, M., J. Brown, T. Cornish, **G. Johnson**, J. Mecham, W. Reeves and W. Wilson. 2010. Investigation of an Epizootic of Bluetongue Virus Serotype 17 in Sheep in Wyoming. *JAVMA.* 237: 955 – 959.
- Lenssen, A.W., U.M. Sainju, D.C. Cash, P.G. Hatfield, W.R. Grey, S.L. Blodgett, H.B. Goosey, D.R. Griffith, and **G.D. Johnson**. 2010. Yield, quality, water use, and nitrogen uptake of durum and annual forages in two-year rotations. *Agronomy Journal* 102:1261-1268.
- Lenssen, A.W., **G.D. Johnson**, S.L. Blodgett, and H.B. Goosey. 2007. Influence of tillage system, oilseed species, and seed treatment on flea beetle, *Phyllotreta cruciferae* (Coleoptera: Chrysomelidae) damage, oilseed production, and postharvest residue cover. *Journal of Entomological Science* 42:1-11.
- Lenssen, A.W., **G.D. Johnson**, and G.R. Carlson. 2007. Cropping sequence and tillage system influences annual crop production and water use in semiarid Montana, USA. *Field Crops Research* 100:32-43.
- Goosey, H., A. Lenssen, **G. Johnson**, S. Blodgett, G. Carlson, and K. Kephart. 2007. Evaluation of durum spring wheat susceptibility to wheat stem sawfly, *Cephus cinctus*. *J. Entomol. Sci.* 133 - 138.
- Chen, C., G. Jackson, K. Neill, D. Wichman, **G. Johnson**, D. Johnson. 2005. Determining the feasibility of early seeding canola in the northern Great Plains. *Agron. J.* 97: 1252 – 1262.
- Naugle, D. E., C. L. Aldridge, B. L. Walker, T. E. Cornish, B. J. Moynahan, M. J. Holleran, K. Brown, **G. D. Johnson**, E. T. Schmidtman, R. T. Mayer, C. Y. Kato, M. R. Matchett, T. J. Christiansen, W. E. Cook, T. Creekmore, R. D. Falise, E. T. Rinkes, and M. S. Boyce.

2004. West Nile virus: pending crisis for greater sage-grouse. *Ecol. Letters*. 7: 704-713.
- Ni, X., **G. D. Johnson**, and S. S. Quisenberry. 2002. Comparison of hindwing hamuli from five species of cereal aphids (Hemiptera: Aphididae). *Annals Ent. Soc. America*. 95 (1): 109-114.
- Rolston, M.G., M. A. Ivie and **G. D. Johnson**. 2002. *Tychius meliloti* Stephens, newly discovered in the United States (Coleoptera: Curculionidae). *Coleopterists Bulletin*: 220.
- Olfert, O., **G. D. Johnson**, S. A. Brandt, and A. G. Thomas. 2002. Diversity and abundance of arthropods as a function of cropping systems in the northern Great Plains. *J. Agronomy*. 94: 210-216.
- Morrill, W. L., D. K. Weaver and **G. D. Johnson**. 2001. Trap strip and field border modification for wheat stem sawfly management. *J. Entomol. Sci.* 35: 478-482.
- Tharp, C. I., **G. D. Johnson**, and J. Onsager. 2000. Laboratory and field evaluations of imidacloprid against the migratory grasshopper, *Melanoplus sanguinipes*, on small grains. *J. Econ. Entomol.* 93:293-300.
- Tharp, C. I., S. L. Blodgett, and **G. D. Johnson**. 2000. Susceptibility of the cereal leaf beetle to imidacloprid under greenhouse and field conditions in barley. *J. Econ. Entomol.* 93:38-42.
- Hatfield, P. G., S. L. Blodgett, **G. D. Johnson**, P. M. Denke, R. W. Kott, and M. W. Carroll. 1999. Sheep grazing to control wheat stem sawfly, a preliminary study. *Sheep & Goat Res. Journal*. 15:122-123.
- Brey, C. W., **G. D. Johnson**, and S. L. Blodgett. 1998. Survey of Montana grasses for wheat curl mite (Acari: Eriophidae), the vector of wheat streak mosaic virus. *J. Agric. Entomol.* 15: 173 - 181.
- Archer, T.L., F.B. Peairs, K. S. Pike, **G.D. Johnson**, and M. Kroening. 1998. Economic injury level of the Russian wheat aphid (Homoptera: Aphididae) on winter wheat in several climate zones. *J. Econ. Entomol.* 91: 741-747.
- Archer, T.L., **G.D. Johnson**, F.B. Peairs, K.S. Pike, and M. Kroening. 1998. Effect of plant phenology and climate on Russian wheat aphid (Homoptera: Aphididae) damage to winter wheat. *Environ. Entomol.* 27: 221-231.
- Blodgett, S. L., **G.D. Johnson**, and W. P. Kemp. 1997. Developing an extension pest management program using the needs-assessment process. *J. Exten.* 35: Feature article (electronic).

- Lajeunesse, S.E., **G.D. Johnson**, J.S. Jacobsen. 1997. A homeowner survey: Outdoor pest management practices, water quality awareness, and preferred learning methods. *J. Nat Res. and Life Sci. Ed.* 26: 43-48.
- Lajeunesse, S.E. and **G.D. Johnson**. 1992. Host acceptance and developmental time of the aphid parasitoid *Aphelinus* sp. nr. *varipes* (Hymenoptera: Aphelinidae). *J. Can. Entomol.*124:565-575.
- Johnson, G.D.**, J.B. Campbell, H.C. Minocha and A.B. Broce. 1991. Ability of the face fly, *Musca autumnalis* (Diptera: Muscidae), to acquire and transmit bovine herpesvirus-1. *J. Med. Entomol.* 28:841-846.
- Lajeunesse, S.E. and **G.D. Johnson**. 1991. New North American host records for *Aphelinus* sp. nr. *varipes* (Foerster) (Hymenoptera: Aphelinidae): the western wheat aphid, *Diuraphis tritici* (Gillette), and the Russian wheat aphid, *D. noxia* (Mordvilko) (Homoptera: Aphididae). *J. Can. Entomol.* 123:413-415.
- Johnson, G.D.** and J.B. Campbell. 1987. Evaluation of sticky traps for collecting face flies from different locations in an irrigated pasture. *Environ. Entomol.* 16: 190-194.
- Johnson, G.D.** and M.S. Mulla. 1984. Physical and chemical properties of water and bottom sediments in Silver Lakes, a residential-recreational community in southern California. *Bull. Soc. Vector Ecol.* 9:37-50.
- Johnson, G.D.** and M.S. Mulla. 1983. An aquatic macrophyte affecting nuisance chironomid midges in a warm-water lake. *Environ. Entomol.* 12:266-269.
- Johnson, G.D.** and M.S. Mulla. 1982. Suppression of nuisance aquatic midges with a (sic) urea insect growth regulator. *J. Econ. Entomol.* 75:297-300.
- Johnson, G.D.** and M.S. Mulla. 1982. Evaluation of emergence traps in assessing the impact of a macrophyte on the production of chironomid midges. *J. Amer. Mosq. Contr. Assoc.* (Mosquito News). 42:260-264.
- Johnson, G.D.** and M.S. Mulla. 1981. Chemical control of aquatic nuisance midges in residential-recreational lakes. *J. Amer. Mosq. Contr. Assoc.* (Mosquito News). 41: 495-501.

Book Chapters

- Johnson, G. D.** 2007. Cutworms. *In Handbook of Small Grain Insects.* G.D. Buntin, K. S. Pike, M. J. Weiss and J.A. Webster eds. APS Press. P 53-55.
- Hein, G.L. and **G. D. Johnson**. 2001 *Insect Management Production.* University of Nebraska Coop. Ext. 156. p. 81-116.

Johnson, G.D., X. Ni, M.E. McLendon. 1998. Impact of Russian wheat aphid (Homoptera: Aphididae) on drought-stressed spring wheat, p. 109 –121. *In* S. S. Quisenberry and F. B. Peairs (eds.), A Response Model for an Introduced Pest - The Russian wheat Aphid. ESA Thomas Say Publications in Entomology, Entomological Society of America, Lanham, MD.

Ni, X. and **G.D. Johnson**. 1998. Wing-coupling mechanism of Russian wheat aphid (Homoptera: Aphididae), p. 100 - 108. *In* S. S. Quisenberry and F. B. Peairs (eds.), A Response Model for an Introduced Pest - The Russian wheat Aphid. ESA Thomas Say Publications in Entomology, Entomological Society of America, Lanham, MD.

Web-Based

MSU-ES [Montana State University – Extension Service]. 2015. Montana Mosquito Surveillance. [Internet]. Bozeman, MT: Montana State University – Extension Service. Available from: <http://django.msu.montana.edu/MTmosquito/>.

Registration of Germplasm/Cultivars

Lanning, S.P., L.E. Talbert, and **G.D. Johnson**. 1993. Registration of Russian wheat aphid resistant hard red spring wheat germplasm. *Crop Sci.* 33:1420.

Reviewed Publications

Rolston, M and **G. Johnson**. 2012. Biology and impact of mosquitoes in Montana. MSU Extension Service MT 201204AG. 4 p.

Rolston, M and **G. Johnson**. 2012. Biology and impact of biting midges in Montana. MSU Extension Service MT 201205AG. 4 p.

Johnson, G. 2010. Management of Lice on Livestock. MSU Extension Service. MT201002AG.

Johnson, G. 2010. Ticks of Veterinary and Public Health Importance in Montana. MSU Extension Service. EB0198.

Johnson, G. 2010. Horn Flies on Cattle: Biology and Management. MSU Extension Service. MT200912AG.

Lloyd, J. E., **G. D. Johnson**, R. W. Kott, H. B. Goosey and D. E. Legg. 2007. Clean-up Pour-on insecticide with IGR to control sheep ked. *Arthropod Management Test* . Article # K1.

Schreder, P. G. Pirelli and **G. Johnson**. 2007. Beef Cattle Pests. PNW Insect Management

Handbook. 198 - 201.

Blodgett, S. L. and **G. D. Johnson**. 2001. Canola and mustard insects. *In* High Plains Integrated Pest Management Guide for Colorado, Western Nebraska, Montana & Wyoming. Bull No. 564A. XVI: 5-9.

Blodgett, S., **G. Johnson**, W. Lanier, and J. Wargo. 2000. Pale western and army cutworms in Montana. MontGuide. MT 200005.

Blodgett, S. L., **G. D. Johnson**, W. Morrill, H. Goosey, D. Waters, D. Weaver, and S. Sing. Wheat stem sawfly. MSU-Extension Service. MontGuide.

Blodgett, S.L., **G.D. Johnson** and C. Tharp. 1997. Insect pests of small grains in Montana. Proc. Montana/Wyoming Sugar Beet Symposium. 6pp.

Blodgett, S.L., H. Goosey, D. Waters, C. Tharp, and **G. Johnson**. 1997. Wheat stem sawfly control on winter wheat, 1996. ESA Arthropod Management Tests. 22: 145.

Blodgett, S.L., **G.D. Johnson**, M.E. McLendon, and D.M. Wichman. 1996. Control of grasshopper species using a systemic seed treatment. ESA Arthropod management Tests. 319.

Lajeunesse, S.E., **G.D. Johnson** and J.S. Jacobsen. 1995. Nine steps to safe pesticide use: a guide for homeowners. MSU-Extension Service. EB 130.

Landon, M., J. Jacobsen and **G. Johnson**. 1995. Movement of pesticides in soil and water. MSU-Extension Service. EB 125.

Johnson, G.D. and M.E. McLendon. 1993. Evaluation of foliar treatments for Russian wheat aphid control. Insect. Acar. Tests. 18:141.

Johnson, G.D., M.E. McLendon, and D.M. Wichman. 1993. Control of Russian wheat aphid using a systemic seed treatment. Insect. Acar. Tests. 18:142.

Johnson, G.D. and M.E. McLendon. 1993. Suppression of flea beetles in canola. Insect. Ar Tests. 18:9.

Jensen, G.L., **G.D. Johnson**, and M.E. McLendon. 1993. Cereal leaf beetle control in wheat and barley. Insect. Acar. Tests. 18: 140.

Hendrickson, R.M. Jr., and **G.D. Johnson**. 1992. Montana insecticide use guide for field crops - 1992. Montana State University Extension Service. EB110.

Johnson, G.D. 1991. Pesticide use on sugar beets - 1990. Montana State University Extension Service. EB105.

Johnson, G.D. and K.J. Kammerzell. 1991. Control of sugar beet insect pest in Montana. Insect. & Acar. Tests. Vol. 16:232.

- Johnson, G.D.** and K.J. Kammerzell. 1991. Controlling Russian wheat aphid in winter wheat in Montana - 1990. *Insect. & Acar. Tests.* Vol. 16:240-241.
- Johnson, G.D.** 1990. Insecticide guide for controlling insects and ticks on horses. Montana State University Extension Service. EB77.
- Jacobsen, J.S. and **G.D. Johnson.** 1989. Water quality and agrichemicals in Montana. Montana State University Extension Service. EB51.
- Johnson, G.D.** 1989. The Russian wheat aphid: Identification, biology and management. Montana State University Extension Service. EB49.
- Johnson, G.D.,** J.F. Connor and J.E. Nelson. 1989. Pesticide use on field crops in Montana. Montana State University Extension Service. EB56.
- Johnson, G.D.,** K.J. Kammerzell and S. Hudson. 1989. Evaluation of foliar-applied insecticides for control of Russian wheat aphid. *Insect. & Acar. Tests.* Vol. 14:303304.
- Johnson, G.D.,** K.J. Kammerzell and S. Hudson. 1989. Evaluation of granular insecticides for control of sugar beet insect pests. *Insect. & Acar. Tests.* Vol. 14:282-283.
- Johnson, G.D.** and D.G. Lester. 1989. Planting time application of Di-Syston granules for suppressing brown wheat mites in dryland winter wheat. *Insect. & Acar. Tests.* Vol. 14:185.
- Johnson, G.D.** and D.G. Lester. 1989. Efficacy of foliar sprays against the brown wheat mite in irrigated barley. *Insect. & Acar. Tests.* Vol. 14:186.
- Johnson, G.D.** and D.G. Lester. 1989. Efficacy of selected chemicals against the brown wheat mite in dryland barley. *Insect. & Acar. Tests.* Vol. 14:186.
- Johnson, G.D.,** D.G. Lester and G.D. Jackson. 1989. Treating winter wheat with a liquid systemic insecticide at planting time for grasshopper control. *Insect. & Acar. Tests.* Vol. 14:304.
- Johnson, G.D.** and R. Linn. 1989. Maintaining, cleaning and storing ground sprayer equipment. Montana State University Extension Service. MontGuide. MT8917.
- Clark, S.M., **G. Johnson,** M. Ivie and G. Jensen. 1988. Common aphids on small grains in Montana. Montana State University Extension Service. EB 39.
- Johnson, G.D.** 1988. Russian wheat aphid: A threat to Montana grain production? Montana State University Extension Service. MontGuide MT8801.
- Johnson, G.D.** 1988. Pesticide recommendations for controlling insects and ticks on sheep. Montana State University Extension Service. EB 32.

- Johnson, G.D.**, K. Kammerzell and S. Hudson. 1988. Effectiveness of foliar-applied insecticides to control Russian wheat aphid in small grains. *Montana Ag. Res.* Vol. 5:2-8.
- French, R., **G. Johnson**, R. Linn, B. Mullin, L. Tuholske and B. White. 1987. Using pesticides safely: A homeowner's guide. Montana State University Extension Service. EB9.
- Johnson, G.D.** 1987. Cold weather storage and handling of liquid pesticides. Montana State University Extension Service. Montguide MT8706.
- Johnson, G.D.** 1987. Pesticide recommendations for controlling insect pests on cattle. Montana State University Extension Service. EB18.
- Johnson, G.D.** and J.B. Campbell. 1987. Efficacy of miticides against Banks grass mite and two-spotted mite on corn in west-central Nebraska. *Insect. & Acar. Tests.* Vol. 12:240.
- Johnson, G.D.** and J.B. Campbell. 1987. Comparison of three miticides applied in varying volumes of finished spray against two-spotted spider mite on corn in west-central Nebraska. *Insect. & Acar. Tests.* Vol. 12:241.
- Johnson, G.D.** and J.B. Campbell. 1987. Control of western bean cutworm in field corn in southwest Nebraska. *Insect. & Acar. Tests.* Vol. 12:242.
- Johnson, G.D.** and J.B. Campbell. 1987. Comparison of insecticides to control grasshoppers in non-cropland in west-central Nebraska. *Insect. & Acar. Tests.* Vol. 12:203.
- Johnson, G.D.**, D. Lindgren and J. Campbell. 1987. Reduction of onion thrips in transplanted and seedling onions. *Insect. & Acar. Tests.* Vol. 12:141.
- Johnson, G.D.** and J.R. Riesselman. 1986. Private pesticide applicator training and certification. Montana State University Extension Service. Montguide MT8374.
- Johnson, G.D.**, J.B. Campbell, D.D. Myran and J.T. Nichols. 1985. Comparison of Guardian, Ectrin and Fearing insecticide tags for face fly control. *Insect. & Acar. Tests.* Vol. 10:384.
- Johnson, G.D.** and M.S. Mulla. 1980. Investigations on nuisance midges in water percolation basins, Montclair, California. *Proceedings and Papers California Mosq. and Vector Control Assoc.* 48:118-120.
- Johnson, G.D.** 1978. Pre-adult Development and Survival of *Aedes* Mosquitoes Indigenous to Albany County, Wyoming and Other Selected Mosquitoes in Temperature Controlled Chambers and Semi-natural Habitats. Ph.D. Dissertation, University of Wyoming Library. 167 pp.
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Video Production

Lajeunesse, S.E., **G.D. Johnson**, and J.S. Jacobsen. 1997. Proactive pest management: using design and plant vigor to manage weeds, insects, and diseases. Montana State University.

Johnson, G.D. and S. Baril. 1994. Proper storage and disposal of pesticides and pesticide containers by farm applicators. Montana State University Extension. 11 min.

Johnson, G.D. 1993. Reading and understanding the pesticide label - Tordon 22K. Montana State University Extension Service. 12 min.

Lajeunesse, S.E., **G.D. Johnson**, J.S. Jacobsen, and K.G. Johnson. 1993. 9 steps to safe pesticide use: A guide for homeowners. Montana State University Extension Service. 13 min.

Johnson, G.D. 1992. Managing prairie dogs in Montana. Executive Producer. 23 min.

Baril, S. and **G.D. Johnson**. 1990. Montana pesticide laws and regulations. Montana State University Extension Service. 16 min.

Jacobsen, J.S., **G.D. Johnson** and P.K. Fay. 1990. Agrichemicals and water quality. Montana State University Extension Service. 18 min.

Johnson, G.D. and K.J. Johnson. 1990. Laundering pesticide contaminated clothing. Montana State University Extension Service. 8 min.

Johnson, G.D. 1989. Understanding pesticide labels. Montana State University Extension Service. 12 min.

Johnson, G.D. 1989. Biology and control of the Russian wheat aphid in Montana. Montana State University Extension Service. 22 min.

Technical Reports, Proceedings, Popular Publications

Johnson G.D. 1999. Sustainable pest management in dryland wheat. Project history. 1-2.

Lenssen, A.W. H. Goosey, **G.D. Johnson**, D. Wichman and S. L. Blodgett. 1999. Influence of selected tillage systems on flea beetles, oilseed production and postharvest residue cover. Pacific Northwest Oilseeds Conference.

Olfert, O. and **G. D. Johnson**. 1999. Arthropods in dryland cropping systems of the Northern Great Plains. Agronomy Abstracts.

- Weaver, D. K., R.J. Bartelt, W. L. Morrill, and **G.D. Johnson**. 1999. Chemical ecology of the wheat stem sawfly. Proceedings, 2nd Annual National Wheat Industry Research Forum. P. 62.
- Johnson, G.**, S. Blodgett, D. Weaver, W. Morrill, and A. Lenssen. 1999. Development and implementation of integrated management strategies for the wheat stem sawfly. Montana Wheat and Barley Committee Annual Report.
- Blodgett, S. L., P. M. Denke, and **G.D. Johnson**. 1998. Montana field crop arthropod research and demonstration trials. MSU-ES and MSU-MAES Bulletin. 21 p.
- Hatfield, P.G., S.L. Blodgett, **G.D. Johnson**, P. M. Denke, and M.W. Carroll. 1998. Sheep grazing to control wheat stem sawfly. Proc. Western Section Amer Soc. Animal Sci., vol. 50. Provo UT.
- Johnson, G.D.**, S.L. Blodgett, W. Morrill, and D. Weaver. 1998. Wheat stem sawfly, pale western cutworm and army cutworms: detection and management in the northern Great Plains. Nat. Assoc. Wheat Growers.
- Johnson, G.D.** 1998. Development and implementation of integrated management strategies for the wheat stem sawfly. Prog. Rept to MW&BC.
- Blodgett, S. L., **G.D. Johnson**, and C. Tharp. 1997. Insect pests of small grains in Montana. Proc. Montana/Wyoming Sugar Beet Symposium. 6 p.
- Johnson, G.D.** 1997. IPM programs for wheat growers. Proc. 3rd National IPM Workshop. pp. 188-190.
- Blodgett, S.L., **G.D. Johnson**, B. Maxwell, R. Stougaard, and W. Kemp. 1997. Integrated pest management in Montana cereal grains cropping systems. Proc. 3rd National IPM Workshop. p.
- Petroff, A.P. and **G.D. Johnson**. 1997. Pesticide use on barley -1994. National Agricultural Pesticide Impact Assessment Program. Special Project 93-EPIX-1-0135. 18 p.
- Johnson, G.** 1996. Implementing IPM in dryland small grain cropping systems: What are the research and education issues? Proceedings of the ESA Pacific Branch Meeting, Big Sky Mont. 56 p.
- Brooks, L. S., S. Amosson, G. Hein, **G. Johnson**, D. McBride, W. Massey, W. Morrison, F. Peairs, and J. Schultz. 1993. Economic impact of the Russian wheat aphid in the western United States: 1990 -1991. Great Plains Agricultural Council Publication 143. 16 p.
- Johnson, G. D.**, J. Wargo, and P. Johnson. 1993. Pesticide use on canola. Montana State University Extension Service. 14 p.

- Johnson, G.D.** ed. 1991. Proceedings of the fourth Russian wheat aphid workshop. Montana State University. 189 p.
- Johnson, G.D.** and K.J. Kammerzell. 1991. Impact of RWA on winter wheat tiller production and winter hardiness. Proc. 45h RWA Workshop. pp. 46-49.
- Johnson, G.D.** and K.J. Kammerzell. 1991. Seasonal performance of selected insecticides against RWA in Montana. Proc. 4th RWA Workshop. pp. 143-149.
- Kammerzell, K.J. and **G.D. Johnson**. 1991. Evaluation of different seeding dates to reduce RWA damage in wheat in Montana. Proc. 4th RWA Workshop. pp. 63-74.
- Lajeunesse, S.E. and **G.D. Johnson**. 1991. An indigenous natural enemy of RWA in central Montana - *Aphelinus* sp. nr. *varipes* (Hymenoptera: Aphelinidae). Proc. 4th RWA Workshop. pp. 174-175.
- Gilstrap, F.E., S.E. Halbert, G.L. Hein, **G.D. Johnson**, G.J. Michels, F.B. Peairs and C.M. Smith. 1991. Russian wheat aphid: A progress report to the National Association of State Departments of Agriculture. 21 p.
- Johnson, G.D.** 1991. Proper pesticide storage. Farm Bureau Association.
- Hein, G., F. Baxendale, L. Brooks, **G. Johnson**, W. Massey, D. McBride, W. Morrison, F. Peairs and J. Schultz. 1990. Economic impact of the Russian wheat aphid in the western United States: 1988-1989. Great Plains Agricultural Council.
- Weaver, K., M. Goetting, **G. Johnson**, S. Karahan, A. Pagenkopf, D. Sharpe, V. Shelhamer, E. Strohmeyer, B. Taylor, M. Watts and G. Wheeler. 1990. Report of the extended activities study group on outreach. Montana State University
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- Lajeunesse, S.E., **G.D. Johnson** and R.L. Gillespie. 1989. Natural enemies of the Russian wheat aphid in central and south-central Montana. Proc. 2nd RWA Workshop. p. 3738.
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- Johnson, G.D.** 1987. Investigations on the biology and management of the brown wheat mite, *Petrobia latens* (Muller), in barley in north-central Montana. Montana Wheat and Barley Committee.
- Johnson, G.D.** 1987. Report on insect research. Department of Entomology Annual Report.
- Johnson, G.D.** 1987. Horn flies: A major summer cattle pest. Montana Farmer Stockman. May 1987. pp. 24-25.
- Johnson, G.D.** 1987. Arthropod vectors of livestock diseases. Montana Farmer Stockman. October 1987. pp. 30-33,
- Johnson, G.D.**, J.B. Campbell, D.D. Myran and J.T. Nichols. 1986. Efficacy of insecticide impregnated tags attached to three body locations on cattle against the stable fly, *Stomoxys calcitrans* (L.). Proc. West Central Mosq. and Vector Control Assoc. 11: 3036.
- Johnson, G.D.** and M.J. Jackson. 1986. Montana Pesticide Training Manual. Montana State University Extension Service. 395 p.
- Keith, D., L. Peters, J. Witkowski, F. Baxendale, J. Campbell, A. Hagen, **G. Johnson**, K. Jarvi and S. Danielson. 1985. Field crop insect control guide for Nebraska corn and sorghum. Nebraska Cooperative Extension Service. EC 85-1509. 28 p.
- Keith, D., L. Peters, J. Witkowski, F. Baxendale, J. Campbell, A. Hagen, **G. Johnson**, K. Jarvi and S. Danielson. 1985. Field crop insect control guide for Nebraska alfalfa, soybeans, and small grains. Nebraska Cooperative Extension Service. EC 85-1511. 25 p.
- Johnson, G.D.** and J.B. Campbell. 1983. Bionomics of a face fly population in west central Nebraska. Proc. North Central Branch Entomological Society of America. p. 237.

Johnson, G.D. and J.B. Campbell. 1983. Integrated pest management in feedlots in Nebraska. Proc. West Central Mosq. and Vector Control Assoc. 8:14.

Johnson, G.D. and J.E. Lloyd. 1975. An evaluation of the insect growth regulator methoprene against *Aedes dorsalis* and *Ae. melanimon* in flooded pastures and artificial mosquito ponds in Wyoming. Proc. West Central Mosq. and Vector Control Assoc. 1 :47-52.

Johnson, G.D. and J.E. Lloyd. 1974. A novel approach to mosquito control. Cow Country. 102:10.

Other

- Montana Crop Health Report, 1987-1994 (Biweekly contributions; April-September)
- Pesticide News and Views, 1986-1991 (Bimonthly newsletter)
- Russian Wheat Aphid Hotline, 1988-1991 (Weekly updates; April - October)
- Popular press releases (over 200 articles appearing in 40+ Montana and regional newspapers)
- Radio and TV PSA's (average 5 per year)

GRANT AND CONTRACT ACTIVITY

Year	Project Title	Amount
2016	BLM-MT, West Nile Virus Threats Surveillance in the Sagebrush Focal Area of North Central Montana, Hi-Line/Central Districts. Montana BLM. 5 yr. (PI).	\$75,000
2014	Influences of incentive based rest rotation grazing on food insects of sage grouse, rangeland pollinators, and vectors of WNV. NRCS. (Co-PI)	\$50,000
2013	Study of Montana infectious disease ecology. NIH-HHMI. 5 yr. (Co-PI)	\$1.2M
2012	Influence of livestock grazing on arthropods serving as food items of sage-grouse chicks, Non-game migratory birds and WNV vectors. Montana FWP. (Co-PI).	\$99,000

2011	Degree day modeling of targeted sheep grazing influence on crop pests, beneficials, and plant community structure. WSARE (Co-PI).	\$206,700
	Evaluation of insecticide ear tags for horn fly and face fly control. Y-TEX.	\$5,000
2010	Evaluation of methoprene in loose mineral and mineral tubs for horn fly control. Wellmark International.	\$33,500
	Evaluation of insecticide ear tags for horn fly and face fly control. Various industries.	\$7,000
2009	Evaluation of insecticide ear tags for horn fly and face fly control. Various industries.	\$5,000
	Field Evaluation of Larvivorous Fish Mosquitoes Management in the Powder River Basin, Wyoming. Wyoming Game and Fish.	\$25,000
	Effectiveness of a Single Subcutaneous Injection of Ivermectin 3.15% (w/v) Long-Acting Injection Formulation Against Infestations of the sucking louse, <i>Solenopotes capillatus</i> on cattle. Merial Limited.	\$150,650
2008	West Nile virus surveillance and research activities in Montana - 2007. CDC and Montana Department of Public Health and Human Services.	\$23,000
2007	West Nile virus surveillance and research activities in Montana - 2007. CDC and Montana Department of Public Health and Human Services.	\$23,000
	Efficacy of an endectocide against <i>Hypoderma lineatum</i> and <i>H. bovis</i> . Merial Limited	\$155,000

2005	West Nile virus surveillance and research activities in Montana - 2007. CDC and Montana Department of Public Health and Human Services.	\$80,000
2004	West Nile virus surveillance and research activities in Montana - 2007. CDC and Montana Department of Public Health and Human Services.	\$80,000
2003	Epidemiology Study of Bluetongue and <i>Culicoides sonorensis</i> USDA-APHIS-VS	\$20,000
	Exploring Linkages between West Nile Virus and Sage Grouse in Coal Bed Methane and Non-Coal Bed Methane Sites. Montana BLM	\$35,000
2002	Sustainable pest management in dryland wheat. USDA/ARS Special Grant	\$400,000
2001	Sustainable pest management in dryland wheat. USDA/ARS Special Grant	\$400,000
2000	Development and implementation of integrated management strategies for the wheat stem sawfly. (With Blodgett, Lenssen Morrill, Weaver)	\$85,335
1999	Development and implementation of integrated management strategies for the wheat stem sawfly. (With Blodgett, Lenssen Morrill, Weaver)	\$80,000
	Sustainable pest management in dryland wheat. USDA/ARS Special Grant	\$400,000
	Pacific northwest canola world wide web-based information system. PNW Canola Research Program	\$10,000
	Entomological demonstration research. Various industries.	

1998	(Principal Investigator)	\$10,000
	Sustainable pest management for dryland wheat production. USDA CSREES Special Grants. (Project Coordinator)	\$400,000
	Pacific Northwest regional canola research program. USDA CSREES. (Project Coordinator)	\$78,813
	Western SARE professional development program. USDA CSREES. (Project Coordinator)	\$ 9,500
	Development of an integrated management program for the wheat stem sawfly. MW&BC. (Project Coordinator)	\$ 80,000
	Comparison of pest management interactions in spring wheat-cover crop and spring wheat-fallow cropping systems. USDA, CSREES, SARE Western Region. (Co-Principal Investigator)	\$150,964
	Influence of selected tillage systems on flea beetles, oilseed production and post harvest residue cover. Pacific Northwest Canola Research Program. (Co-Principal Investigator)	\$ 19,000
1997	Entomological demonstration research. Various industries. (Principal Investigator)	\$ 12,000
	Comparison of pest management interactions in spring wheat cover crops and spring wheat fallow systems. (Co-Principal Investigator)	\$168,464
	Pest recommendation delivery to remote users. Western Region IPM. (Co-Principal Investigator)	\$ 28,194
	Pacific Northwest Regional Canola Research Program USDA CSREES. (Project Coordinator)	\$ 78,813
	Development of an integrated management program for the wheat stem sawfly. MW&BC. (Project Coordinator)	\$ 80,000
	Western SARE professional development program. (Project Coordinator)	\$ 9,500
	Sustainable pest management for dryland wheat production. (Project Coordinator)	\$200,000
1996	Selected insect pests of small grains: wheat curl mites and barley thrips. MW&BC. (S. Blodgett and G. Johnson co-principal investigators)	\$ 23,000
	Ecology and management of the wheat stem sawfly. MW&BC.	

	(W. Morrill and G. Johnson co-principal investigators)	\$ 52,000
	Sustainable agriculture professional development. Western Region SARE. (G. Johnson and J. Johnson co-principal investigators)	\$ 12,000
	Entomological research. Various chemical companies.	\$ 10,500
	Sustainable pest management in dryland wheat. USDA-CSREES Special Grants. (Principal investigator)	\$200,000
1995	Evaluation of chemical and nonchemical strategies to reduce flea beetle damage in canola. USDA-CSREES-NAPIAP. (Principal Investigator)	\$ 6,422
	Development, implementation, and evaluation of pest management strategies towards reducing wheat stem sawfly losses in wheat. MWBC. (Principal Investigator)	\$ 22,576
	Pest management strategies for dryland wheat systems in the northern Great Plains and mountain farm production regions. USDA-CSREES Competitive Grants Program. (with S.S. Quisenberry, J.B. Campbell, M.J. Brewer, M.P. McMullen, and P.O. Johnson)	\$ 19,840
	Entomological research. Various chemical companies. (Principal Investigator)	\$ 24,000
	Sustainable agriculture implementation program. Western Region S.A.R.E. Program. (with J.B. Johnson)	\$ 12,000
1994	Developing methods for prevention and control of the wheat curl mite and wheat streak mosaic virus Montana Wheat and Barley Committee. (with Drs. J. R. Riesselman, S. Blodgett, P. Bruckner, and L. Talbert)	\$ 44,000
	Pesticide research and demonstration. Various private industries. (Principal Investigator)	\$ 18,500
	Outreach Pest Recommendation network. MSU Burns Telecommunication Center. (Co-Principal Investigator)	\$ 16,900
	Evaluation of management strategies for early season pests in spring canola. Pacific Northwest Regional Canola Research Program. (Principal Investigator)	\$ 12,588
	Assessment of strategies for managing the flea beetle, <i>Phyllotreta crucifer</i> , in canola. National Pesticide Impact Assessment	\$ 6,128

	Program - CSRS Special Research Grants Program. (Principal Investigator)	
	Russian wheat aphid: Development of small grain resistant varieties and impact on drought stressed grains. Montana Wheat and Barley Committee. (with Drs. L. Talbert, P. Bruckner and T. Blake)	\$ 20,000
	Private Applicator Training Funds. USDA Extension Service - EPA. (Principal Investigator)	\$ 24,230
	Develop an extension statewide strategic plan in sustainable agriculture. USDA Sustainable Ag Research and Education. (Principal Investigator)	\$ 10,000
	Worker protection standard education program. Montana Department of Agriculture	\$ 9,129
1993	Benefits of insecticide management of flea beetles in canola. CSRS Special Grants Program. (Principal Investigator)	\$ 6,422
	Russian wheat aphid: Determination of economic injury levels to spring grains and development of small grain resistant varieties. Montana Wheat and Barley Committee. (with Drs. T. Blake, L. Talbert, and P. Bruckner)	\$ 30,000
	Insecticide efficacy and economic benefit of flea beetle management in canola. InterMountain Canola. (Principal Investigator)	\$ 6,615
	Pesticide use on barley in Montana. ES-NAPIAP. (Principal Investigator)	\$ 10,000
	Pesticide research and demonstration. Various private industries. (Principal Investigator)	\$ 29,500
	Quantification of flea beetle damage on Montana grown canola. InterMountain Canola. (Principal Investigator)	\$ 7,500
	Pesticide Applicator Training Program. USDA-Extension Service. (Principal Investigator)	\$ 22,198
1992	Evaluation of insecticides to reduce flea beetle damage in Canola in Montana. CSRS Special Grants Program. (Principal Investigator)	\$6,422
	Pesticide educational program for homeowners and retailers. Montana Department of Agriculture. (Principal Investigator)	\$ 10,000

	Quantification of flea beetle damage on Montana grown Canola. InterMountain Canola. (Principal Investigator)	\$ 15,000
	Pesticide Applicator Training Program. US Department of Agriculture/Extension Service. (Principal Investigator)	\$ 21,821
	Development of management strategies for Russian wheat aphid. Montana Wheat and Barley Committee. (with Drs. T. Blake, L. Talbert, and P. Bruckner)	\$ 30,000
	Evaluation of selected insecticides against flea beetles in canola. InterMountain Canola. (Principal Investigator)	\$ 4,525
	Prevalence of sugar beet leaf hopper and curly top virus in Montana. Western Sugar Company. (Principal Investigator)	\$ 7,500
	Pesticide research and demonstration. Various private industries. (Principal Investigator)	\$ 21,250
1991	Evaluation of systemic insecticides to reduce wheat stem sawfly damage in spring wheat. CSRS Special Grants Program. (Principal Investigator)	\$ 6,422
	Pesticide Research and Demonstration. Various Private Industries. (Principal Investigator)	\$ 23,400
	Development and evaluation of strategies for management of the Russian wheat aphid in Montana. Montana Wheat and Barley Committee. (with Drs. T. Blake, L. Talbert, and G. Hockett)	\$ 60,000
	Pesticide use in canola in Montana. NAPIAP Special Grants Program. (Principal Investigator)	\$ 7,700
	Prevalence of sugar beet leaf hopper and curly top virus in Montana. Western Sugar Company. (Principal Investigator)	\$ 5,925
	Development of the Montana Agrichemical Ground Water Protection Act – General Management Plan. Montana Department of Agriculture. (Co-Principal Investigator with Dr. J. Jacobsen)	\$ 20,500
	Pesticide Applicator Training. USDA-CES/EPA Pass Through Funds. (Principal Investigator)	\$ 31,876
1990	Russian wheat aphid decision making process over the aphid's geographic distribution within the United States. Western Regional IPM Special Grants Program. (Funded for three years with Drs. T. Archer, F. Peairs, K. Pike and C. Summers)	\$336,973

	Development and evaluation of agronomic practices for management of Russian wheat aphid in Montana. Montana Wheat and Barley Committee. (with Drs. T. Blake, J. Littlefield, R. Nowierski, D. Sands, A. Taylor and L. Talbert)	\$ 80,000
	Pesticide Research and Demonstration. Various Private Industries. (Principal Investigator)	\$ 9,650
	Agronomic practices to reduce Russian wheat aphid in winter wheat. CSRS Special Grants Program. (Principal Investigator)	\$ 6,422
	Pesticide use on sugar beets in Montana. National Pesticide Impact Assessment Special Grants Program. (Principal Investigator)	\$ 8,000
	Pesticide Applicator Training. USDA-CES/EPA Pass Through Funds. (Principal Investigator)	\$ 20,732
	Pesticide Impact Assessment Program. USDA CES/EPA Pass Through Funds. (Principal Investigator)	\$ 16,419
	Water quality education-pesticide and agri-chemical use in Montana. USDA-CES. (Co-Principal Investigator, with Dr. J. Jacobsen)	\$ 3,000
	Development and evaluation of agronomic practices for management of Russian wheat aphid, <i>Diuraphis noxia</i> (Mordvilko) in Montana. Montana Wheat and Barley Committee. (with Drs. D. Sands, T. Blake, A. Taylor, R. Nowierski and L. Talbert)	\$ 75,000
1989	Pesticide Research and Demonstration. Various Private Industries. (Principal Investigator)	\$ 16,500
	Agronomic practices to reduce Russian wheat aphid in winter wheat. CSRS Special Grants Program. (Principal Investigator)	\$ 6,422
	Pesticide Applicator Training. USDA-CES/EPA Pass Through Funds. (Principal Investigator)	\$ 20,732
	Pesticide Impact Assessment Program. USDA- CES/EPA Pass Through Funds. (Principal Investigator)	\$ 16,419
	Initial entomological and agronomic investigations for control of the Russian wheat aphid, <i>Diuraphis noxia</i> (Mordvilko). Montana Wheat and Barley Committee. (with Drs. D. Sands, G.A. Taylor and T. Blake)	\$ 38,000
	Persistence of pesticides in soil and barley and effects on selected arthropods. CSRS Special Grants Program. (Principal	\$ 6,422

Investigator)		
1988	Pesticide Research and Demonstration. Various Chemical Companies. (Principal Investigator)	\$ 13,750
	Pesticide Applicator Training. USDA-CES/EPA Pass Through Funds. (Principal Investigator)	\$ 20,732
	Pesticide Impact Assessment Program. USDA CES/EPA Pass Through Funds, (Principal Investigator)	\$ 16,419
	Small grain aphids of Montana: detection, identification and temporal distribution. MAES Personal Services Program. (with Michael A. Ivie and Gary L. Jensen)	\$ 20,000
	Develop survey methodology for detecting and sampling the brown wheat mite, <i>Petrobia latens</i> , in small grains in Montana. Cooperative National Plant Pest Survey and Detection Program (A.P.H.I.S.). (Principal Investigator)	\$ 2,500
	Investigations on the biology and management of the brown wheat mite, <i>Petrobia latens</i> (Muller), in barley in north-central Montana. Montana Wheat Research and Marketing Committee. (with Dr. J. Wayne Brewer)	\$ 8,150
	Pesticide Research and Demonstration. Various Chemical Companies. (Principal Investigator)	\$ 2,975
1987	Persistence of pesticides in soil and barley and effects on selected arthropods. CSRS Special Grants Program. (with Dr. J. Wayne Brewer)	\$ 6,422
	Pesticide Applicator Training. USDA-CES/EPA Pass Through Funds. (Principal Investigator)	\$ 14,703

RESIDENT INSTRUCTION, GRADUATE STUDENT ADVISEMENT, OUTREACH PROGRAMS

Resident Instruction

COURSE: ENTO 500 Pesticide Topics

Aleamoni Student Evaluations 1 = very poor, 6 = excellent

<u>Year</u>	<u>Enrollment</u>	<u>Content</u>	<u>Instructor</u>	<u>Course</u>
1987	5	5.00	5.00	4.67

COURSE: ENTO 301 Natural Resource Entomology (team taught with Dr. Bob Nowierski)

Aleamoni Student Evaluations 1 = very poor, 6 = excellent

<u>Year</u>	<u>Enrollment</u>	<u>Content</u>	<u>Instructor</u>	<u>Course</u>
1996	15	5.40	5.70	5.40
1997	9	5.57	5.57	5.43
1998	10	5.57	5.57	5.57

COURSE: ENTO 410 Veterinary Entomology

<u>Year</u>	<u>Enrollment</u>	<u>Content</u>	<u>Instructor</u>	<u>Course</u>
2003	15	5.78*	5.78	5.89
2004	9	5.57	5.57	5.43
2005	10	5.57	5.57	5.57
2006	14	5.58	5.75	5.58
2007	13	Missing		
2008	14	5.75	5.75	5.75
2010	26	3.90**	3.83	3.80
2012	48	4.72***	4.48	4.84
2014				
2016	28	4.36	4.29	4.32

* (1 to 6 scale, 1 = poor...6 = excellent)

** Knapp Instructor Eval. (1 to 4 scale, 1 = poor...4 = excellent)

*** (1 to 5 scale, 1 = poor...5 = excellent)

GRADUATE STUDENT ADVISEMENT

Name	Degree	Responsibility
Anna Zuliani	M.S.	Committee Member
Kristina Hale	Ph.D.	Major Advisor (Completed 2011)
Egidijus Zilinskas	Ph.D.	Graduate Representative
Cecil Tharp	Ph.D.	Committee Member
Hayes Goosey	Ph.D.	Co-major Advisor (Completed 2009)
Melissa Dougherty	M.S.	Major Advisor (Completed 2007)
Kristina Hale	M.S.	Major Advisor (Completed 2007)
Carleen Gonder	M.S.	Committee Member (Completed 2008)
Ruth O'Neill	M.S.	Committee Member (Completed 2004)
Jonathan Giersch	M.S.	Committee Member (Completed 2001)
Peter Jensen	M.S.	Committee Member (Completed 1999)
Carin Miller	M.S.	Committee Member (Completed 1998)
Justin Runyon	M.S.	Committee Member (Completed 2000)
Sharlene Sing	Ph.D.	Co-Major Advisor (Completed 2002)
Will Lanier	M.S.	Committee Member (Completed 1998)
Christopher Brey	Ph.D.	Co-Major Advisor (Completed 1998)
Hayes Goosey	M.S.	Major Advisor (Completed 1999)
Cecil Tharp	M.S.	Major Advisor (Completed 1998)
Matthew Carroll	M.S.	Committee Member (Completed 1998)
Marni Rolston	M.S.	Committee Member (Completed 1997)
Vicki Bradley	M.S.	Committee Member (Completed 1991)
Robert Gillespie	Ph.D.	Committee Member (Completed 1992)
Kurt Kammerzell	M.S.	Major Advisor (Completed 1992)
Sherry Lajeunesse	M.S.	Major Advisor (Completed 1991)
Elizabeth Nance	M.S.	Major Advisor (Completed 1994)

Eric Storlie	M.S.	Committee Member (Completed 1991)
Sumil Tiwari	Ph.D.	Graduate Representative
Xinrong Zhou	Ph.D.	Graduate Representative
Bruce Walcheck	Ph.D.	Graduate Representative
Phillip Battle	Ph.D.	Graduate Representative
Brian Metzger	Ph.D.	Graduate Representative

**SUMMARY OF MSU-EXTENSION SERVICE / OFF-CAMPUS EDUCATIONAL PROGRAMS
(No entries made after 2009)**

<u>Year</u>	<u>Workshop</u>	<u>Meetings</u>	<u>Attendance</u>	<u>Contact Hours</u>
2009	Livestock Insect Pest Management	10	245	8
2008	Livestock Insect Pest Management	2	45	2
2007	West Nile Virus	6	75	4
	Bluetongue	2	45	3
2006	Livestock Insect Pest Management	2	60	2
2005	Livestock Insect Pest Management	3	45	2
2004	West Nile Virus	8	125	16
	Livestock Insect Pest Management	4	80	8
2003	West Nile Virus and Mosquitoes	12	300	30
	Bluetongue	2	75	3
2000	Livestock and Small Grain Insect Pests	11	245	11.0
1999	Livestock and Small Grain Insect Pests	13	430	20.2
	Cropping Systems Field Tours	2	250	5.0
	Montana Ag Live	1	---	1.0
1998	Pesticide Applicator Training (Livestock Pests)	8	460	8.5
1997	Small Grain Insect Pests	8	150	5.0
1996	Small Grain Insect Pests	4	290	5.9
	Small Grain Insect Pests	4	---	5.0

<u>Year</u>	<u>Workshop</u>	<u>Meetings</u>	<u>Attendance</u>	<u>Contact Hours</u>
1995	Montana Ag Live	2	---	2.0
1994	Pesticide Applicator Training	2	90	1.25
	Small Grain Insect Pests	4	335	5.5
	Montana Ag Live (TV)	6		6.0
1993	Small Grain Insect Pests	7	111	4.3
1992	Pesticide Applicator Training	9	615	5.25
	Small Grain Insect Pests	17	672	18.25
1991	Pesticide Applicator Training	8	237	27.0
	Small Grain Insect Pests	5	76	11.0
1990	Crop and Pest Management School	2	70	4.0
	Pesticide Applicator Training	15	1,164	90.0
	Small Grain Insect Pests	24	868	25.75
1989	Pesticide Applicator Training	22	1,366	132.0
	Small Grain Insect Pests	19	796	19.25
	Weed School	4	71	8.0
1988	Pesticide Applicator Training	27	916	162.0
	Stored Grain/Small Grain Insect Pests	19	649	33.5
1987	Pesticide Applicator Training	14	552	84.0
	Small Grain Insect Pests	13	201	17.75
1986	Pesticide Applicator Training	13	364	78.0
	Livestock/Mosquito Updates	3	42	2.5

Extension Instructor Evaluations

MSU Extension Evaluation Form (1 = poor, 5 = excellent)

<u>Year</u>	<u>Location</u>	<u>Program content</u>	<u>Instructor Evaluation</u>
2000	MSU-Bozeman	Crop Pest Management School	4.75

<u>Year</u>	<u>Location</u>	<u>Program content</u>	<u>Instructor Evaluation</u>
1999	Hysham (5)	Small grain/livestock pests	4.73
	Baker (42)	“ ” “ ”	4.58
	Miles City (29)	“ ” “ ”	4.78
	Wibaux (9)	“ ” “ ”	4.59
	Terry (9)	“ ” “ ”	4.41
	Broadus (28)	“ ” “ ”	4.70
1998	Helena (58)	Pesticide Applicator Training (Livestock insect pests)	4.60
	MSU (19)	Crop Pest Management School (Small grain insect pests)	4.67
1997	Ft. Benton (42)	Small grain insect pests	4.69
	Harlowton (22)	Pesticide Applicator Training (Livestock insect pests)	4.63
1996	MSU	Crop Pest Management School (Small grain insect pests)	4.20
	MSU	Crop Pest Management School (Pesticide policy and regulations)	4.03
1994	MSU	Crop Pest Management School (Small grain insect pests)	4.30
	Lewistown	Agronomic Principles Workshop	4.25
1991	MSU	Crop Pest Management School (Small grain insect pests)	1.28*
	Harlowton	Pesticide Applicator Training (Small grain insect pests, pesticide selection and use)	4.45

*1 = very useful, effective....4 = not useful, less prepared

HONORS AND AWARDS

- ESA Extension Presentation Award, ESA National Meeting 1994
- Annual Extension Award ESA Pacific Branch 1992
- Alpha Zeta
- Gamma Sigma Delta
- Sigma Xi
- Who's Who Among American Universities and Colleges
- Entomology Club, University of Wyoming - President, 1973-74
- Nebraska Independent Crop Consultants Association - Honorary Member, 1985
- U.S. Army Medal of Commendation, 1972

PROFESSIONAL SOCIETIES AND ACTIVITIES

- Entomology Society of America, 1975 – Present
- ESA Pacific Branch Awards Canvassing Committee, 1990
- ESA Pacific Branch, Abstracts Committee Chair, Publicity Committee Chair
- ESA North Central Branch, Pacific Branch Session Moderator
- ESA Pacific Branch Site Selection Committee
- ESA Pacific Branch Pest Detection, Evaluation, and Prediction Committee
- ESA Pacific Branch Abstracts Committee Chair
- ESA Pacific Branch Publicity Committee Chair
- Manuscript Reviewer, Environmental Entomology, Journal Economic Entomology, American Entomologist, Medical Entomology
- West Central Mosquito and Vector Control Association, 1973 – 1983
 - Treasurer, 1981-1983
 - Conference Coordinator, West Central Mosquito and Vector Control Association Meeting, Boulder, CO. February, 1981
- Entomological Society of Canada, 1986 - 1992
- American Mosquito Control Association, 1973 – 1983
- Society of Vector Ecologist, 1997 – Present
- South Carolina Entomological Society, 1995 - 2000

SCIENTIFIC AND SOCIETY MEETING PRESENTATIONS

<u>Meeting and Location</u>	<u>Date</u>
West Central Mosq. & Vector Contr. Assoc., Ft. Collins, CO	1975
Entomological Soc. of America Annual Mtg., Honolulu, HI	1976
West Central Mosq. & Vector Contr. Assoc., Laramie, WY	1977
Entomological Soc. of America Annual Mtg., Wash. D.C.	1977
Calif. Mosq. & Vector Contr. Assoc., Burlingame, CA	1979
West Central Mosq. & Vector Contr. Assoc., Albuquerque, NM	1979
Univ. of CA Annual Conf. of Entomology, Riverside, CA	1979
Entomological Soc. of America Annual Mtg., Denver, CO	1979
Calif. Mosq. & Vector Contr. Assoc., Anaheim, CA	1980
West Central Mosq. & Vector Contr. Assoc., Boulder, CO	1981
Entomological Soc. of America Annual Mtg., Toronto, CN	1982
West Central Mosq. & Vector Contr. Assoc., Scottsbluff, NE	1983
Entomological Soc. of America Branch Mtg., St. Louis, MO	1983
Entomological Soc. of America Branch Mtg., Wichita, KS	1984
Entomological Soc. of America Annual Mtg., San Antonio, TX	1984
Entomological Soc. of America Annual Mtg., Ft. Myers, FL	1985
West Central Mosq. & Vector Cont. Assoc., Ft. Collins, CO	1986
Entomological Soc. of America Branch Mtg., Minneapolis, MN	1986
Entomological Soc. of America Annual Mtg., Boston, MA	1987
Russian Wheat Aphid Workshop, Denver, CO	1988

Entomological Soc. of America Annual Mtg., Louisville, KY	1988
PIAP/IR-4 Western Regional Meeting. Anchorage, AK	1989
Russian Wheat Aphid Conference, Albuquerque, NM	1989
Western Region Pesticide Coordinators Meeting, Reno, NV	1990
Russian Wheat Aphid Workshop, Bozeman, MT	1990
Entomological Soc. of America Annual Mtg., New Orleans, LA	1990
Russian Wheat Aphid Workshop, Ft. Worth, TX	1992
Pacific Northwest Canola Development Meeting, Spokane, WA	1993
Entomological Soc. of America Annual Mtg., Dallas, TX	1994
Pacific Northwest Canola Association, Coeur d'Alene, ID	1995
Entomological Soc. of America Annual Mtg., Las Vegas, NV	1995
ESA Pacific Branch Mtg., Big Sky, MT	1996
Pacific Northwest Canola Association, Great Falls, MT	1996
3 rd National IPM Symposium, Washington, DC	1996
Entomological Soc. of America Annual Mtg. Nashville, TN	1997
Pacific Northwest Canola Association, Spokane, WA	1998
Agronomy Society of America, Salt Lake City, UT	1999

(Stopped recording in 2000)

Other conference activities

- _ 3rd National IPM Workshop, Symposium organizer, Washington D.C., 1996
- _ PNW Canola Association Annual Meeting, Program Chair, 1995, 1996
- _ Western Region Pesticide Coordinator Meeting. Reno, NV. May, 1990 (Program Chair).
- _ Fourth Russian Wheat Aphid Conference. Bozeman, MT. October, 1990 (Conference Coordinator).
- _ Integrated Pest Management Workshop. North Platte, NE. May, 1986.

MONTANA STATE UNIVERSITY MAJOR COMMITTEE PARTICIPATION

Departmental

- Leon Johnson Hall Space Committee, 1993 - present
- Entomology Curriculum Committee, 1987
- Entomology Awards Committee, 1991
- Integrated Crop and Pest Management Advisory Committee, 1987-present
- Animal Plant Health Inspection Service Advisory Committee, 1987-present
- Total Quality Management Workshop, USDA/ARS – Rangeland Insect Lab

College of Agriculture

- _ Water Quality Task Force, 1988-1992
- _ Strategic Planning Conference, 1988
- _ Russian Wheat Aphid Task Force, 1988-1989
- _ Extension Consulting Review Committee, 1989

- College of Agriculture Faculty Council Representative
- Sustainable Agriculture Coordinator, 1994
- Bioscience Building Committee, 1996
- Western Region SARE, Coordinator, 1994 - 99
- Coordinator PNW Canola Research Program, 1994 - present
- College of Agriculture Strategic Planning Committee, 1998
- MAES Project reviewer, 1991 - present
- GPRA Coordinator, MAES, 1994 - 1998

University

- Water Initiative Committee, 1991
- Extended Activities Study Group on Outreach, 1990
- Faculty Council (1990-1993)
- Alfalfa Leafcutting Bee Advisory Committee, 1994
- PNW Canola Technical Advisory Committee, 1994
- Russian Wheat Aphid Task Force, Great Plains Agricultural Committee, 1994
- ESA Pacific Branch Pest Detection, Evaluation, and Prediction Committee, 1994
- Faculty Council, 1994
- Employee Recognition Program Committee, 1994
- University Outreach Council

Search Committees

- Superintendent, MSU-SARC, Huntley, 1997
- Extension IPM Specialist, 1994
- Extension Noxious Weed Specialist, 1993
- Extension News and Publications Editor, 1991
- Extension Soil Fertility Specialist, 1990
- Plant Quarantine Officer - Entomology Research Laboratory, 1988
- Area I Supervisor - Montana Cooperative Extension Service, 1988
- Entomology Research Laboratory Head - Search Committee Chair, 1988

STATE, REGIONAL AND NATIONAL COMMITTEES

Committee

Standing Applicator Certification Committee-Chair

Commercial Pesticide Training Committee

Investigative Committee on Russian Wheat Aphid

Endangered Species Task Force

Russian Wheat Aphid Task Force, Great Plains Agricultural Council

Agency/Organization

Montana Dept. of Ag.

Montana Dept. of Ag.

Great Plains Ag. Council

Montana Dept. of Ag.

GPAC

Committee	Agency/Organization
Western Region Pesticide Coordinators Committee	USDA/CES
Western Region PIAP/IR-4 Coordinators Committee	USDA/CES
Alfalfa Leafcutting Bee Advisory Committee	Montana Dept. of Ag.
Site Selection Committee - ESA Pacific Branch	Ent. Soc. of Amer.
NASULGC 1995 Farm Bill Working Group	ECOP
PNW Regional Canola Technical Advisory Committee	AES
PNW Oilseed Association, Board of Directors	AES
Pesticide Waste and Container Disposal Committee	Montana Dept. of Ag.
Coordinator PNW Regional Canola Research Program	NCRP
GPRA, National Strategic Planning Committee	CSREES

PROFESSIONAL DEVELOPMENT

- _ Administrative Development Workshop, University of Nebraska, June 2000
- _ USDA/CSREES NRI Grant Writing Workshop, Denver October 2000
- _ Risk Assessment of Agricultural Technologies, MSU-Bozeman, October 2000
- _ Northcentral Government Performance Results Act Workshop, Madison, April 1997
- _ National Government Performance Results Act Workshop, Memphis, December, 1996
- _ ESCOP/ACOP Leadership Development Course, completed May 1995
- _ Academic Chairpersons Conference, Orlando, FL, 1993
- _ National Pesticide Applicator Training Workshop, Arlington, VA, 1991
- _ National Pesticide Applicator Training Workshop, St. Louis, MO, 1987
- _ Stored Grain Pest Management Workshop, St. Paul, MN, 1987
- _ Fly-In Spray Check Workshop, Pullman, WA, 1986