

CURRICULUM VITAE

NAME Dannele E. Peck

ADDRESS

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CONTACT INFORMATION

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ACADEMIC POSITIONS

- 2012 - present Associate Professor, Department of Agricultural and Applied Economics, University of Wyoming
Job Description: (Oct 2014-present) 47% teaching, 25% research, 20% extension, 5% service, 3% advising; (2012-Oct 2014) 47% teaching, 45% research, 5% service, 3% advising
Research Foci: Agricultural production under uncertainty, such as irrigation management under climate change, and disease management at the wildlife-livestock interface.
- 2006- 2012 Assistant Professor, Department of Agricultural and Applied Economics, University of Wyoming

EDUCATION

- 2007 Ph.D. Agricultural and Resource Economics, Oregon State University
Dissertation: "Economics of drought preparedness and response in irrigated agriculture"
Major Advisor: Dr. Richard Adams
- 2002 M.S. Agricultural and Applied Economics, University of Wyoming
Concentration: Environment & Natural Resources
Thesis: "Opportunity costs of short-term water leasing in the Laramie Basin, Wyoming: irrigation, instream flow and wetland considerations"
Major Advisor: Dr. Donald McLeod
- 2000 B.S. Wildlife Biology and Management, University of Wyoming
Minor: Economics

AWARDS & HONORS

Recipient, Undergraduate Teaching Award (for less than 10 years of experience), Western Agricultural Economics Association (2014)

Recipient, 'Top Prof' Award, Cap and Gown Chapter of the Mortar Board, University of Wyoming (2010, 2012)

Recipient, Editors' Citation for Excellence in Refereeing for *Water Resources Research* (2011)

Recipient, Best AJARE Article, Australian Agricultural & Resource Economics Society (2010) for [Peck and Adams, "Farm-level impacts of prolonged drought: is a multiyear event more than the sum of its parts?" *Australian Journal of Agricultural and Resource Economics* 54:43-60.]

Recipient, North American Colleges and Teachers of Agriculture Teaching Award of Merit, College of Agriculture, University of Wyoming (2009)

Nominee, John P. Ellbogen Meritorious Classroom Teaching Award, University of Wyoming (2014)

Nominee, James C. Hurst "Each Student – A Person" Award, Nominated by UW students via Cowboy Parents (University of Wyoming Parents & Family Association) (2014)

Nominee, College of Agriculture and Natural Resources Outstanding Advisor Award, University of Wyoming (2011)

Nominee, Lawrence Meeboer Outstanding Teacher Award, University of Wyoming (2009, 2010, 2012)

Keynote Speaker, 'Welcome address.' 12th & 13th Annual McNair Scholars Research Symposium, University of Wyoming (Aug 3, 2010 & Aug 2, 2011).

Keynote Speaker, 'Have you ever wondered why or how?' Laramie Women in Science Conference, University of Wyoming, May 8, 2007.

PUBLICATIONS

In Review

Kim, C., R. Adams, D. Peck, and S. Suttles. Farm management under multiyear drought: multiyear discrete stochastic programming with a fuzzy semi-Markov process. *Natural Resource Modeling* (In review)

Bashaasha, B., R. Laker-Ojok, D. Peck, M. Owor^{*}, J. Norton. Adoption and impacts of conservation agriculture in East Africa. *Journal of Soil and Water Conservation* (Revise & resubmit)

Articles in Refereed Journals (* Indicates co-author is a former graduate student.)

- Dohna, H., D.E. Peck, B.K. Johnson, A. Reeves, B.A. Schumaker. 2014. Wildlife-livestock interactions in a western rangeland setting: quantifying disease-relevant contacts. *Preventive Veterinary Medicine* 113(4):447-456. <http://dx.doi.org/10.1016/j.prevetmed.2013.12.004>.
- Peck, D. and J. Peterson (Guest Eds.). 2013. Introduction to the special issue on 'Climate Variability and Water-Dependent Sectors: Impacts and Potential Adaptations' *Journal of Natural Resources Policy Research* 5(2-3):73-77.
- Roberts, T.W.* , D.E. Peck and J.P. Ritten. 2012. Cattle producers' economic incentives for preventing bovine brucellosis under uncertainty. *Preventive Veterinary Medicine* 107(3-4):187-203. Available at: <http://dx.doi.org/10.1016/j.prevetmed.2012.06.008>.
- Bastian, C.T., D.E. Peck, M.A. Smith and J.J. Jacobs. 2012. Sagebrush control: at what canopy cover is it economically justified? *Rangeland Ecology and Management* 65(4):351-361.
- Bastian, C.T., S.T. Gray, D.E. Peck, J.P. Ritten, K.M. Hansen, J.M. Krall and S.I. Paisley. 2012. The nature of climate science for the Rocky Mountain West: implications for economists trying to help agriculture adapt. *Western Economics Forum* 10(2):23-32.
- Schumaker, B.A., D.E. Peck and M.E. Kauffman*. 2012. Brucellosis in the Greater Yellowstone Area: disease management at the wildlife-livestock interface. *Human-Wildlife Interactions* 6(1):48-63.
- Kauffman, M.E.* , B.S. Rashford and D.E. Peck. 2012. Unintended consequences of bovine brucellosis management on demand for elk hunting in northwest Wyoming. *Human-Wildlife Interactions* 6(1):12-29.
- Peck, D.E. and R.M. Adams. 2011. A reply to 'Multiyear vs. single-year drought: a comment on Peck and Adams.' *Australian Journal of Agricultural and Resource Economics* 55:454-457.
- Peck, D.E. 2011. Book review: Gopalakrishnan, Chennat and Norio Okada (eds). *Water and Disasters*. London UK: Routledge, 2007, 136 pp., \$45.00 (paperback) *American Journal of Agricultural Economics* 93(1):244-245.
- Peck, D.E. 2010. Bovine brucellosis in the Greater Yellowstone Area: an economic diagnosis. *Western Economics Forum* 9(1):27-41.
- Strauch, B.A.* , D.E. Peck, and L.J. Held. 2010. A case study of fall versus spring calving for the Rocky Mountain West. *Journal of the American Society of Farm Managers and Rural Appraisers* 73(1):74-84.
- Peck, D.E. and R.M. Adams. 2010. Farm-level impacts of prolonged drought: is a multiyear event more than the sum of its parts? *Australian Journal of Agricultural and Resource Economics* 54:43-60.
- Adams, R.M. and D.E. Peck. 2008. Effects of climate change on water resources. *Choices* 23(1):12-14.

Peck, D.E., D.M. McLeod, J.P. Hewlett, and J.R. Lovvorn. 2004. Irrigation-dependent wetlands versus instream flow enhancement: economics of water transfers from agriculture to wildlife uses. *Environmental Management* 34(6):842-855.

Adams, R.M. and D.E. Peck. 2002. Drought and climate change: implications for the West. *Western Economics Forum* 1(2):14-19.

Peck, D.E. and J.R. Lovvorn. 2001. The importance of flood irrigation in water supply to wetlands in the Laramie Basin, Wyoming. *Wetlands* 21(3):370-378.

Peer-Reviewed Book Chapters

Peck, D. and J. Peterson (Eds.). 2014. Climate Variability and Water-Dependent Sectors: Impacts and Potential Adaptations. Re-print, in book form, of a special issue previously published in the *Journal of Natural Resources Policy Research*.

Peck, D. and J. Peterson. 2014. Introduction to the special issue. In D. Peck and J. Peterson (eds.) Climate Variability and Water Dependent Sectors: Impacts and Potential Adaptations. Boca Raton, FL: Taylor & Francis. Re-print, in book form, of a special issue previously published in the *Journal of Natural Resources Policy Research*.

Griffin, R.C., D.E. Peck and J. Maestu. 2013. Introduction: myths, principles and issues in water trading. In J. Maestu (ed.) Water Trading and Global Water Scarcity: International Experiences. New York, NY: RFF Press.

Peck, D.E. 2013. Non-native pest prevention and control: the role of government interventions and their impact on efficiency. In R. Knutson and W. Armbruster (eds.) U.S. Government Policies Affecting Food and Agricultural Marketing. New York, NY: Springer.

Peck, D.E. and R.M. Adams. 2012. Farm-level impacts of climate change: alternative approaches for modeling uncertainty. In A. Dinar and R. Mendelsohn (eds.) Handbook on Climate Change and Agriculture. Cheltenham, Gloucestershire: Edward Elgar Publishing. (Contains original research)

Adams, R.M. and D.E. Peck. 2008. Climate change and water resources: potential impacts and implications. In A. Garrido and A. Dinar (eds.) Managing Water Resources in a Time of Global Change: Contributions from the Rosenberg International Forum on Water Policy. Oxford: Routledge Publishing. (Contains original research)

Extension Bulletins

In Review

Roberts, T.W. *, D.E. Peck and J.P. Ritten. The cost of brucellosis prevention: spaying heifers. Fact Sheet, University of Wyoming Extension. (In review)

Roberts, T.W. *, D.E. Peck and J.P. Ritten. The cost of brucellosis prevention: adult-booster vaccination. Fact Sheet, University of Wyoming Extension. (In review)

Published or Accepted

Ruff, S. *, D.E. Peck, C.T. Bastian, W.E. Cook. 2014. Enterprise budget for a cow-calf-yearling operation, northwestern Wyoming. Publication MP-120.1. University of Wyoming Extension.

Ruff, S. *, D.E. Peck, C.T. Bastian, W.E. Cook. 2014. Enterprise budget for a stocker operation, northwestern Wyoming: spring-purchased 600-pound stockers. Publication MP-120.2. University of Wyoming Extension.

Ruff, S. *, D.E. Peck, C.T. Bastian, W.E. Cook. 2014. Enterprise budget for a stocker operation, northwestern Wyoming: spring-purchased 700-pound stockers. Publication MP-120.3. University of Wyoming Extension.

Roberts, T.W. *, D.E. Peck, J.P. Ritten and B.S. Rashford. 2012. The cost of brucellosis prevention: fencing stackyards. Publication B-1232, University of Wyoming Extension. Available at <http://www.wyomingextension.org/agpubs/pubs/B1232.pdf>.

Manuscripts in Progress

Peck, D.E. and M. Bruce. Costs of improving the management of animal disease surveillance and control: the case of brucellosis. (In progress as an invited submission to the *OIE Scientific and Technical Review* for a thematic issue on “The economics of animal health”)

Ruff, S. *, D.E. Peck, C.T. Bastian. Cost of transitioning from a cow-calf operation to a stocker-steer operation in response to brucellosis. (In progress for submission to the *Journal of Farm Managers and Rural Appraisers* or *International Journal of Farm Management*)

Ruff, S. *, D.E. Peck, C.T. Bastian. Cost of transitioning from a cow-calf operation to a stocker-steer operation in response to brucellosis. University of Wyoming Extension bulletin. (In progress)

Peck, D.E., B.A. Wilson *, R.H. Coupal. Economic consequences of bovine brucellosis in beef herds: whole-herd depopulation versus quarantine. (In progress for submission to the *International Journal of Farm Management*)

Peck, D.E. Continuous versus discrete decision variables in farm-level programming models: implications for optimal water management. (In progress for submission to *Agricultural Systems* or *Natural Resources Modeling*)

Hansen, K., D. Peck and S. Smutko. Tradable permits for CBM produced water: a potential tool for managing quantity and quality issues in the Powder River Basin. Working Paper, Department of Agricultural & Applied Economics, University of Wyoming, November 19, 2010.

Peck, D.E. Bovine brucellosis in the Greater Yellowstone Area: an economic diagnosis. Working Paper, Department of Agricultural & Applied Economics, University of Wyoming, October 31, 2010.

- Roberts, T.W.* , D.E. Peck and J.P. Ritten. The cost of brucellosis prevention: delayed grazing. Fact Sheet, University of Wyoming Extension. (In progress)
- Roberts, T.W.* , D.E. Peck and J.P. Ritten. The cost of brucellosis prevention: hiring additional riders to haze elk. Fact Sheet, University of Wyoming Extension. (In progress)
- Roberts, T.W.* , D.E. Peck and J.P. Ritten. The cost of brucellosis prevention: Wyoming Game & Fish Department's elk hazing services. Fact Sheet, University of Wyoming Extension. (In progress)
- Wilson, B.A.* , D.E. Peck and R.H. Coupal. Ranch-level costs of contracting brucellosis: whole-herd depopulation. Fact Sheet, University of Wyoming Extension. (In progress)
- Wilson, B.A.* , D.E. Peck and R.H. Coupal. Ranch-level costs of contracting brucellosis: whole-herd quarantine while testing-out. Fact Sheet, University of Wyoming Extension. (In progress)
- Wilson, B.A.* , D.E. Peck and R.H. Coupal. Ranch-level costs of exposure to brucellosis: contact herd quarantine for 1 to 6 months. Fact Sheet, University of Wyoming Extension. (In progress)

Published Abstracts & Proceedings

- Mukhwana, E.* , D. Peck and J.B. Norton. 2010. "Economics of dryland winter wheat cropping systems in Wyoming." pp.150-155 *in* 2010 Great Plains Soil Fertility Conference Proceedings, Denver, Colorado, March 2-3, 2010.
- Peck, D.E., B.S. Rashford, P. Frankowski* and A. Reeves. 2009. "Using NAADSM to model wildlife-livestock disease transmission in a rangeland system: challenges and insights." *In* Proceedings of the 12th International Symposium on Veterinary Epidemiology and Economics (ISVEE). Published electronically at: <http://www.sciquest.org.nz>.
- Peck, D.E. 2009. "Continuous versus discrete decision variables: implications for optimal drought management." *In* "Abstracts of invited and selected papers and organized symposia, WAEA Annual Meetings, Kauai, Hawaii, June 24-26, 2009." *Journal of Agricultural and Resource Economics* 34(3):546.
- Peck, D.E. 2008. "Enhancing the human dimensions capacity of future fish and wildlife managers through a more relevant introductory economics course." Abstracts from the conference Pathways to Success: Integrating human dimensions into fisheries and wildlife management. Published electronically at: http://hdsubmit.homeip.net/index.php?L1=left_program.php&L2=body_program_Abstracts.php.
- Peck, D.E. and R.M. Adams. 2008. "Influence of incentives and property rights on future water demand and disputes." Invited papers from EXPO Zaragoza 2008, Water Tribune Thematic Week 7, Economics and Financing. Published electronically at: http://www.expozaragoza2008.es/?seccion=768&idioma=en_GB&idevento=2506&fechaevento=280720080900.

Peck, D.E. and R.M. Adams. 2008. "Effectiveness of the Multi-Peril Crop Insurance Program's prevented planting provision as a drought preparedness tool." *In* "Abstract of invited and selected papers and organized symposia, WAEA Annual Meetings, Big Sky, Montana, June 25-27, 2008." *Journal of Agricultural and Resource Economics* 33(3):492.

Adams, R.M. and D.E. Peck. 2006. "Climate change and water resources: potential impacts and implications." pp120-129 *in* Proceedings from the 5th Biennial Rosenberg International Forum on Water Policy: Managing upland watersheds in an era of global climate change. The Banff Centre: Banff, Alberta.

Peck D.E. and R.M. Adams. 2006. "Optimal response to drought in a stochastic and dynamic farm system." *In* "Abstracts of invited and selected papers and organized symposia, WAEA Annual Meetings, Anchorage, Alaska, June 28-30, 2006." *Journal of Agricultural and Resource Economics* 31(3):684.

Peck, D., D. McLeod, J. Lovvorn, J. Hewlett. 2003. "Opportunity costs of water leasing: irrigation, instream flow, and wetland considerations in the Laramie Basin, Wyoming." *In* "Invited and selected paper abstracts of the WAEA Annual Meetings, Denver, Colorado, July 11-15, 2003." *Journal of Agricultural and Resource Economics* 28(3):659.

Other Publications

Martinez, C. and D. Peck. 2012. Counting the costs: UW undertakes economic analysis of brucellosis management. *Wyoming Livestock Roundup* 23(43) (March 3, 2012): 1,5.

Peck, D. 2009. Faculty profile: Dannele Peck. *In the Margins, Department of Agricultural and Applied Economics, University of Wyoming* Autumn 2009:1,4.

Rashford, B.S. and D.E. Peck. 2009. University of Wyoming research examines economics of wildlife-livestock diseases. *Wyoming Livestock Roundup* 21(8) (July 18, 2009):2,14.

Strauch, B. *, L. Held, and D. Peck. 2009. Is fall-calving a feasible alternative to spring-calving in Wyoming? *Reflections* 2009:16-19.

Peck, D.E. 2007. Challenges and lessons from my first year as an Assistant Professor. *Committee on Women in Agricultural Economics Newsletter*, Summer 2007.

Peck D.E. and R.M. Adams. 2002. Droughts and drought forecasts-economic implications. Report to NOAA, Office of Strategic Planning, August 2002.

PRESENTATIONS & POSTERS (bold font indicates the presenter)

- Ruff, S. *, **D. Peck**, C. Bastian. 2014. "Transitioning from a cow/calf/yearling operation to a stocker operation in response to brucellosis." Western Agricultural Economics Association Annual Meeting, Colorado Springs, Colorado, June 24, 2014.
- Boroff, K. ***, M. Kauffman*, D. Peck, B. Scurlock, W. Cook, J. Logan, B. Schumaker. 2013. "Cost-benefit analysis of elk brucellosis seroprevalence reduction in the southern GYA." 19th International Symposium on Society and Resource Management, Estes Park Center, Colorado, June 7, 2013.
- Dohna, H., D. Peck, A. Reeves, B. Johnson, **B.A. Schumaker**. 2012. "Wildlife-livestock interactions in a western rangeland setting: quantifying disease relevant contact rates." The Wildlife Society Wyoming Chapter Meeting, Laramie, Wyoming, November 14, 2012.
- Kauffman, M. ***, **K. Boroff***, B. Rashford, B. Scurlock, D. Peck, W. Cook, T. Cornish, W.H. Edwards, J. Logan, B.A. Schumaker. 2012. "An update on the cost-benefit analysis of reducing *B. abortus* seroprevalence in southern GYA elk." Poster presented at The Wildlife Society Wyoming Chapter Meeting, Laramie, Wyoming, November 13, 2012.
- Kauffman, M. ***, B. Rashford, B. Scurlock, D. Peck, W. Cook, T. Cornish, H. Edwards, J. Logan, B.A. Schumaker. 2012. "Resource selection functions for elk relative to cattle during the brucellosis transmission risk period in the southern GYA." Pathways to Success Conference & Training: Integrating Human Dimensions into Fish and Wildlife Management, Breckenridge, Colorado, September 24, 2012.
- Peck, D.**, B. Schumaker, A. Reeves, H. Dohna, B. Johnson. "'Epi-nomics' of wildlife-livestock disease." Department of Agricultural & Applied Economics' Seminar Series, University of Wyoming, Laramie, Wyoming, September 7, 2012.
- Roberts, T.W. *, **D.E. Peck**, J.P. Ritten. 2012. "Cattle producers' economic incentives for preventing bovine brucellosis under uncertainty." 13th International Symposium on Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
- Dohna, H., **D.E. Peck**, B.K. Johnson, A. Reeves, B.A. Schumaker. 2012. "Contact rates between rangeland livestock and wild ungulates." 13th International Symposium on Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
- Dohna, H., D.E. Peck, B.K. Johnson, A. Reeves, **B.A. Schumaker**. 2012. "Wildlife-livestock interactions in a western rangeland setting: quantifying disease-relevant contact rates." 61st Wildlife Disease Association Conference, Lyon, France, July 23-27, 2012.
- Kauffman, M. ***, **K. Boroff***, B. Rashford, B. Scurlock, D. Peck, W. Cook, T. Cornish, W.H. Edwards, J. Logan, M. Ebinger, P. Cross, B.A. Schumaker. 2012. "A cost-benefit analysis of reducing *B. abortus* seroprevalence in southern GYA elk." Brucellosis Coordination Team Meeting, Cody, Wyoming, Apr 12, 2012.

- Norton, J., **D. Peck**, U. Norton, J.P. Ritten, P.D. Stahl, N.L. Ward, J. Meeks, S. Paisley, J.M. Krall. 2011. "Economic and environmental sustainability of conventional, reduced-input, and organic approaches on western irrigated crop-livestock farms." Poster presentation at USDA Project Directors' Meeting, Miami, Florida, Nov 7-9, 2011.
- Peck, D.E.** and R.M. Adams. 2011. "Predicting farm-level impacts of climate change: does weather uncertainty matter?" Universities Council on Water Resources & National Institutes for Water Resources Annual Conference, Boulder, Colorado, July 11-14, 2011.
- Peck, D.**, T. Roberts*, J. Ritten. 2011. "Economics of animal disease prevention when effectiveness is uncertain: bovine brucellosis in the GYA." Western Agricultural Economics Association Annual Meeting, Banff, Alberta, Canada, June 29 – July 1, 2011.
- Wilson, B.***, D. Peck, R. Coupal. 2011. "Regional economic impacts of bovine brucellosis under new federal regulations." Western Agricultural Economics Association Annual Meeting, Banff, Alberta, Canada, June 29 – July 1, 2011.
- Kauffman, M.***, B. Rashford, D. Peck. 2011. "Unintended consequences of bovine brucellosis management for elk hunter demand in northwest Wyoming." Western Agricultural Economics Association Annual Meeting, Banff, Alberta, Canada, June 29 – July 1, 2011.
- Hansen, K.**, D. Peck, S. Smutko. 2011. "Tradable permits for CBM-produced water: a potential tool for managing quantity and quality issues in the Powder River Basin." Western Agricultural Economics Association Annual Meeting, Banff, Alberta, Canada, June 29 – July 1, 2011.
- Kauffman, M.***, B. Schumaker, D. Peck. 2011. "Priorities for a new research program on the epidemiology and economics of bovine brucellosis in the greater Yellowstone area." March 30-31, 2011. Brucellosis Coordination Team meeting, Cody, Wyoming, April 21, 2011.
- Rashford, B.**, M. Kauffman*, **D. Peck**. 2011. "Predicted impacts of elk feedground closure on demand for hunting." Department of Agricultural and Resource Economics Seminar Series, Colorado State University, Fort Collins, Colorado, February 23, 2011.
- Peck, D.**, M. Kauffman*, T. Roberts*, B. Wilson*, B. Rashford, J. Ritten, R. Coupal. 2011. "Costs of brucellosis prevention and outbreaks in Greater Yellowstone Area cattle." Department of Animal Science Seminar Series, University of Wyoming, Laramie, Wyoming, February 11, 2011.
- Hansen, K.**, D. Peck and S. Smutko. 2010. "Tradable permits for CBM produced water: a potential tool for managing quantity and quality issues in the Powder River Basin." Energy Resources and Produced Waters Conference, Laramie, Wyoming, May 24-25, 2010.

- Norton, J.**, E. Mukhwana*, E. Omondi, E. Arnould, U. Norton, D. Peck, M. Press, R. Laker-Ojok, B. Bashaasha, J.R. Okalebo. 2010. “Improving yields sustainably in western Kenya and eastern Uganda: co-design of conservation agriculture.” Green Revolution 2.0: Food, Energy and Environmental Security, International Annual Meetings of the ASA, CSSA, and SSSA, Long Beach, California, October 31 – November 4, 2010.
- Mukhwana, E.J.***, D.E. Peck and J.B. Norton. 2010. “Economics of dryland winter wheat cropping systems in Wyoming.” Poster presentation at the 2010 Great Plains Soil Fertility Conference, Denver, Colorado, March 2-3, 2010.
- Peck, D.E. 2009. “Animal disease, invasive species, and sanitary/phytosanitary issues: future challenges and implications for agricultural marketing.” USDA & Farm Foundation Administrator/Staff/Researcher Workshop, Washington, D.C., December 3-4, 2009.
- Peck, D.E. 2009. “The fun and frustration of developing a new research program in wildlife/livestock disease economics.” Department of Agricultural & Applied Economics’ Seminar Series, University of Wyoming, Laramie, Wyoming, September 22, 2009.
- Peck, D.E.**, B.S. Rashford, P. Frankowski*, A. Reeves. 2009. “Using NAADSM to model foot-and-mouth disease in a rangeland setting: challenges and insights.” 12th International Symposium on Veterinary Epidemiology and Economics, Durban, South Africa, August 10-14, 2009.
- Peck, D.E. 2009. “Continuous versus discrete decision variables: implications for optimal drought management.” Western Agricultural Economics Association Annual Meeting, Kauai, Hawaii, June 24-26, 2009.
- Kauffman, M.***, D.E. Peck, and B.S. Rashford. 2009. “Understanding demand for guided hunts in the Greater Yellowstone Area.” Wyoming Outfitters & Guides Association’s Winter Convention, Lander, Wyoming, January 10, 2009.
- Peck, D.E.** and B.S. Rashford. 2008. “Animal disease: using economic principles to increase profitability.” Wyoming Stock Growers and Wool Growers Associations’ Joint Winter Convention, Casper, Wyoming, December 10th, 2008.
- Peck, D.E.** and D. Finnoff (organizers). 2008. Conference session: “Wildlife/livestock disease: state of knowledge, research priorities, and potential partnerships to inform policy.” [Speakers: Dr. Jack Rhyan, USDA-APHIS; Dr. Tim Carpenter, UC-Davis; Dr. Karl Rich, American University in Cairo; Jared Rogerson, WY Game & Fish; Dr. Bruce Johnson, OR Fish & Wildlife; Aaron Reeves, Colorado State University; Dr. Chris Jerde, U of Notre Dame; Dr. Eli Fenichel, U of Arizona.] Pathways to success: Integrating human dimensions into fish and wildlife management, Estes Park, Colorado, September 29th – October 2nd, 2008.

- Peck, D.E. 2008. "A more relevant introductory economics course for future fish and wildlife managers." Pathways to success: Integrating human dimensions into fish and wildlife management, Estes Park, Colorado, September 29th – October 2nd, 2008.
- Peck, D.E.** and R.M. Adams. 2008. "Influence of incentives and property rights on future water demand and disputes." Invited paper at EXPO 2008 Spain, Thematic Week 7: "The role of market instruments in integrated water management," Zaragoza, Spain, July 28 – August 1, 2008.
- Peck, D.E.** and B.S. Rashford. 2008. "Throwing money at animal disease: what does economics say about bovine viral diarrhea and wildlife/livestock diseases?" Pfizer Research Workshop, Laramie, Wyoming, August 16, 2008.
- Rashford, B.S.,** D.E. Peck, and R. Coupal. 2008. "Economic tools to assess animal disease." Wyoming Veterinary Medicine Association's Annual Meeting, Laramie, Wyoming, June 15-17, 2008.
- Peck, D.E.** and R.M. Adams. 2008. "Effectiveness of the Multi-Peril Crop Insurance Program's prevented planting provision as a drought preparedness tool." Western Agricultural Economics Association Annual Meeting, Big Sky, Montana, June 25-27, 2008.
- Peck, D.E.** and R.M. Adams. 2008. "Effects of climate change on water resources." Symposium & webinar hosted by the Council on Food, Agricultural, and Resource Economics; American Agricultural Economics Association, and USDA-Economic Research Service: "Environmental Choices: outlook and investigation on climate change as it relates to agriculture and natural resources," Washington, D.C., April 1.
- Adams, R.M.** and D.E. Peck. 2007. "Climate change and water resources: potential impacts on water supply and water users." Latin American and Caribbean Association of Environmental and Resource Economists Annual Meeting, Talca, Chile, September 26-28.
- Peck, D.E.** and R.M. Adams. 2007. "Persistence of drought impacts across growing seasons: a dynamic stochastic analysis." 101st Seminar of the European Association of Agricultural Economists: "Management of Climate Risks in Agriculture," Berlin, Germany, June 5-6.
- Adams, R.M.** and D.E. Peck. 2006. "Climate change and water resources: potential impacts and implications." Rosenberg International Forum on Water Policy: Managing upland watersheds in an era of global climate change, Banff, Canada, September 6-11, 2006.
- Peck, D.E.** and R.M. Adams. 2006. "Farm management during prolonged drought: the role of path-dependence." Western Agricultural Economics Association Annual Meeting, Anchorage, Alaska, June 28-30, 2006.
- Adams, R.M.** and D.E. Peck. 2004. "Costs of drought to irrigated agriculture: case of the Klamath and Vale Irrigation Projects." Agricultural risk in a water short world: producer adjustments and

policy adaptations. Conference sponsored by the USDA-Economic Research Service and the Farm Foundation, Washington D.C., May 24-25, 2004.

Peck, D., D. McLeod, J. Lovvorn, J. Hewlett. 2003. "Opportunity costs of water leasing: irrigation, instream flow, and wetland considerations in the Laramie Basin, Wyoming." Western Agricultural Economics Association Annual Meeting, Denver, Colorado, July 13-16, 2003.

Peck, D.E. and J.R. Lovvorn. 1999. "The importance of flood irrigation in water supply to wetlands in the Laramie Basin, Wyoming." Annual Meeting of the Wyoming Chapter of the Wildlife Society, Casper, Wyoming, November 1999.

GRANTS

Proposals in Review

PI: Poulter; Co-PIs: Ewing, Jarchow, Rashford, Swanson; Participating Faculty: Peck et al. "RII Track-2 FEC: Global Climate Stabilization Trade-Offs on Food Security and Ecosystem Services in the Upper Missouri River Basin." NSF 15-517. 2016-2020. \$6 million (\$1.8 million to AGECE).

Peck, Forsythe. "Preliminary assessment of intervention options for potential incursions of New World Screwworm in the United States." USDA-APHIS. 2015-2017. Budget: \$66,902.

Proposals Funded

Peck. "URDM-2015: Funding to Mentor One Under-represented Domestic Minority Graduate Student in Agricultural & Applied Economics to Study the Economics of Animal Disease." University of Wyoming, Office of Academic Affairs. 2015-2017. Budget: \$39,774.

Peck, Paige, Hodza, Gribb. "URDM-2015: Funding to Mentor One Under-represented Domestic Minority Graduate Student in Agricultural Economics, Ecosystem Science & Management, or Geography to Develop an Agricultural Management Plan for the Wind River Indian Reservation." University of Wyoming, Office of Academic Affairs. 2015-2017. Budget: \$39,774.

Gribb, Hodza, Paige, Peck. "Wind River Indian Reservation Agricultural Resource Management Plan." Office of the Tribal Water Engineer. 2015-2018. Budget: \$114,822 (\$0 to AGECE).

Peck, Hagerman, Rigney, Bastian. "Small ruminant movements during production and marketing activities in the Intermountain West." USDA-APHIS. 2014-2015. Budget: \$70,000.

Peck, Benson, Brozovic, Cardon, Dinar, Eiswerth, Hansen, Huffaker, McCann, Schoengold, Suter, Taylor, Ward, Yoder. "W3190: Management and Policy Challenges in a Water-Scarce World." USDA-CSREES, Multistate Research Office. 2014-2019. Budget: travel allowances

for 20+ participants to attend the multistate research group's annual meeting (~\$75,000; ~\$15,000/year x 5 years; ~\$7,500 to AGECE).

Peck and Miller. "Farm-level costs of bluetongue in domestic sheep, and the economic viability of BTV vaccine use in Wyoming." Wyoming Department of Agriculture, Agriculture Producer Research Grant Program (\$14,068), with matching funds from University of Wyoming Agricultural Experiment Station (\$20,000) & UW Dept of Ag & Applied Economics (\$5,932). 2014-2016. Budget: \$40,000.

Ritten, Bastian, Derner, Lake, Mount, Paisley, Peck, J. Reeves. "Economic impacts of climate change and drought on Wyoming ranchers: a critical evaluation." University of Wyoming Agricultural Experiment Station Competitive Grants Program. 2013-2015. Budget: \$65,591.

Peck and Bastian. "Estimating the costs of transitioning from a cow-calf-yearling operation to a stocker operation in northwest Wyoming." Wyoming Livestock Board. 2012-2014. Budget: \$20,800.

Schumaker, Peck, Scurlock, Rashford, Cornish, Cook, Edwards, Logan, Kauffman*. "Cost-benefit analysis of a reduction in elk brucellosis seroprevalence in the southern Greater Yellowstone Area." USDA-APHIS-Veterinary Services & Wyoming Wildlife/Livestock Disease Research Partnership. 2011-2013. Budget: \$254,929 (\$65,356 to AGECE).

Peck and Hansen. "UW Energy GA to support Peter Burgess for AY2011-12." University of Wyoming, Office of Academic Affairs. 2011-2013. Budget: \$41,000.

Peck, Schumaker, Johnson, Reeves. "Livestock-wildlife interactions in a western rangeland setting: impacts on epidemiologic models of FMD." National Center for Foreign Animal and Zoonotic Disease Defense. 2010-2011. Budget: \$84,919 (\$45,262 to AGECE).

Andrews, Montgomery, Ward and Peck. "Continuing studies on biomedical countermeasures against brucellosis in wild and domestic hosts: subunit vaccine efficacy in ruminants, discovery of novel virulence factors, and vaccination economics." USDA-National Institute of Food and Agriculture. 2010-2011. Budget: \$279,200 (\$23,487 to AGECE).

Norton, Okalebo, U. Norton, Arnould, Bashaasha, Peck, Press, Mukhwana, Omondi, Laker-Ojok. "Development and transfer of conservation agriculture production systems for small-holder farms in eastern Uganda and western Kenya." SANREM CRSP Phase IV Long-Term Research Program. 2010-2015. Budget: \$1,385,000 (\$50,000 to AGECE).

Montgomery, Andrews, Isaak, Peck, Rashford, Coupal, Cornish, Barber, Edwards, Scurlock, Kreeger. "Studies on brucellosis: evaluation of novel antigens for subunit vaccines and improved diagnostics; mathematical models to study the impact of vaccination and environmental factors on disease incidence; economics of brucellosis outbreaks and vaccination in livestock and wildlife." USDA-CSREES Special Research Grants Program. 2009-2010. Budget: \$225,613 (\$21,400 to AGECE).

- Peck, Rashford. “Developing epidemiological-economic models of wildlife/livestock disease for Wyoming.” University of Wyoming, College of Agriculture, Global Perspectives Grant. 2009. Budget: \$1,000.
- Peck, Ritten, Rashford. “Cost to cattle producers and outfitters of brucellosis management alternatives.” Wyoming Wildlife/Livestock Disease Research Partnership and Office of the Governor, State of Wyoming, Federal Natural Resources Policy Account. 2009-2011. Budget: \$139,250.
- Peck, Coupal, Rimbey, Loomis. “Economic impacts of disease transmission between domestic sheep and wildlife.” Wyoming Wildlife/Livestock Disease Research Partnership. 2008-2009. Budget: \$45,000 (funds returned—no matching funds found).
- Norton, Arnould, Franc, Hess, Hewlett, Kelleners, Kniss, Krall, Latchininsky, Mount, Paige, Paisley, Peck, Press, Rashford, Smith, Stahl, Ward, Wilson. “Economic and environmental sustainability of conventional, reduced-input, and organic approaches on western crop-range-livestock farms.” NRI Agricultural Prosperity for Small and Medium-Sized Farms Program. 2009-2013. Budget: \$500,000 (\$40,000 to AGECE).
- Peck. “Travel funds to support Dr. Karl Rich of the American University in Cairo, visiting the University of Wyoming to participate in wildlife/livestock disease-related conference session and seminars.” University of Wyoming, College of Agriculture, Global Perspectives Program. October 2008. Budget: \$1,000.
- Norton, Mesbah, Peck, Franc, Reddy, U. Norton, Frost, Gill. “Effects of cropping-system, irrigation method, and soil properties on soil nitrogen and organic matter dynamics in the Big Horn Basin.” University of Wyoming Agricultural Experiment Station Competitive Grants Program. 2008-2010. Budget: \$60,000 (\$0 to AGECE; Peck will serve on graduate student committee).
- Norton, Stahl, Kelleners, Krall, Peck, Mount, Frost. “Effects of cropping-system-related soil moisture and nutrient dynamics on the sustainability of semiarid dryland agriculture.” USDA CSREES National Research Initiative Competitive Grants Program. 2008-2009. Budget request: \$100,000 (\$0 to AGECE; Peck will serve on graduate student committee).

TEACHING

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|---------------|---|
| AGEC 5310 | Theory of the Firm (3 cr.; Fall 2007-2014; 5-11 graduate students) |
| AGEC 4700 | Economics of Range Resources (3 cr.; Spring 2007-2013; 30-45 students) |
| ENR 4500/5500 | Risk Analysis (3 cr.; co-taught, Fall 2007-2014; 20-32 students) |
| ENR 4501/5501 | Risk Analysis Computer Laboratory (1 cr.; co-taught, Fall 2013-2014; 20-32 students) |
| AGEC 4280 | International Agriculture: From Farm to Table – month-long study abroad in France (3 cr.; Summer 2012; co-taught Summer 2013 & 2014; 4-11 students) |
| AGEC 1020 | Principles of Microeconomics (3 cr.; Spring 2007, 2008; 30-50 students) |
| AGEC 5960 | Thesis Research (1-9 cr.; Fall 2009; Spr, Sum, Fall 2010; Spring 2011, Summer 2011; Spr, Sum, Fall 2012; Spr, Sum, Fall 2013) |
| AGEC 5940 | Continuing Registration: Off Campus (1 cr.; Fall 2012) |
| AGEC 5890 | Advanced Problems: Production Econ (1 cr.; Spring 2009) |
| AGEC 5890 | Advanced Problems: Ag Econ (1 cr.; Summer 2008) |
| AGEC 4910 | Problems: Agricultural Economics (1-3 cr.; Fall 2008, Fall 2009, Summer 2011; Spr, Fall 2012; Spr 2013; Spr 2014) |
| AGEC 4930 | AGEC Internship (1-3 cr.; Fall 2008, 2009, 2011, 2012, 2014) |

ADVISING

Graduate Advising

Chair/Co-chair

Chair, Tristram Munsick, MS candidate, Agricultural and Applied Economics (in progress)
Farm-level costs of bluetongue in domestic sheep, and the economic viability of BTV vaccine use in Wyoming

Chair, Kathryn Pasaribu, MS Agricultural and Applied Economics (graduated Aug 2014),
Incorporating economics and risk into flood planning: prioritizing Indonesia's adaptation options

Chair, Kari Boroff, MS Agricultural and Applied Economics (graduated Dec 2013), *Cost-benefit analysis of elk brucellosis prevalence reduction in the southern Greater Yellowstone Ecosystem*

Co-chair, Shane Ruff, MS Agricultural and Applied Economics (graduated Dec 2013),
Economics of transitioning from a cow/calf/yearling operation to a stocker operation in response to brucellosis

Chair, Jenna Bagnall, MS candidate, Agricultural and Applied Economics (graduated Dec 2013),
Conventional, reduced-tillage, and organic cropping systems in southeastern Wyoming: changes in net revenue and soil organic matter

Co-chair, Peter Burgess, MS Agricultural and Applied Economics (graduated Dec 2013), *A market-based alternative to CBNG surface-discharge permitting in the Powder River Basin*

- Chair, Moses Owori, MS Agricultural and Applied Economics (graduated May 2013),
Conservation agriculture in eastern Uganda and western Kenya: assessment of beneficiaries' baseline socio-economic conditions
- Co-chair, Paul Frankowski, MS candidate, Agricultural and Applied Economics (incomplete)
- Co-chair, Bryan Wilson, MS Agricultural and Applied Economics (graduated Aug 2011),
Regional economic impacts of bovine brucellosis under new federal regulations
- Co-chair, Mina Hejazi, MS Agricultural and Applied Economics (graduated Aug 2011),
Predicted impact of a domestic livestock disease outbreak on volume and composition of U.S. beef exports
- Co-chair, Trenton Roberts, MS Agricultural and Applied Economics (graduated May 2011),
Costs and expected benefits to cattle producers of brucellosis management strategies in the Greater Yellowstone Area of Wyoming
- Co-chair, Mandy Kauffman, MS Agricultural and Applied Economics (graduated Sept 2010),
Effects of elk feedground closure on demand for elk hunting in northwest Wyoming
- Co-chair, Brian Strauch, MS Agricultural Economics (graduated Dec 2008), *Profitability and business risk of fall versus spring calving in Wyoming*

Committee Member

- Joseph Pearson, MS Geography, University of Wyoming (in progress)
- Jane Kapkiyai, MS Agricultural and Applied Economics (in progress)
- Judith Odhiambo, PhD Agronomy (graduated Dec 2014)
- Curran Trick, MS (plan B) Env & Natural Resources (graduated Dec 2012)
- Aurora Lambert, MS (plan B) Animal Science (graduated Aug 2012)
- Eusebius Mukhwana, PhD Renewable Resources (graduated May 2011)
- Matt Church, MS Rangeland Ecology (graduated Dec 2009)

External Consultant

- Tiedja Tomdieu, MS Animal Production, University of Maroua, Cameroon (in progress)

Undergraduate Advising

- 15-20 advisees per semester (17 during Fall 2014)
- Chair, Katherine Rushing, Honors Program Thesis (graduated May 2011)

SERVICE & PROFESSIONAL ACTIVITIES

Professional

Moderator, Selected presentation session "Pest and Disease Management." Annual meeting of the Western Agricultural Economics Association (Jun 24, 2014)

Member, Western Agricultural Economics Association's Distinguished Scholars Selection Committee (Apr 2014)

Guest Editor, Journal of Natural Resources Policy Research, Special Issue: "Climate Variability and Water-Dependent Sectors: Impacts and Potential Adaptations" (Oct 2012 - Jul 2013)

Associate Editor, Journal of Natural Resources Policy Research (Jul 2011 – present); coordinate reviews, make publication recommendations, and conduct technical editing, ~9 manuscripts per year (~32 manuscripts total)

Chair, Proposal Committee, Regional Research Project W-2190: Water policy and management challenges in the West; responsible for drafting, editing, submitting and revising a 15-page proposal to USDA-CSREES, Multistate Research Office (Oct 2013 – Jun 2014)

External Reviewer, Tenure & Promotion packet for an Assistant Professor at an undisclosed university (Aug 2013; Nov 2014)

Member, AgMIP (Agricultural Model Intercomparison and Improvement Project) ERS Water Workshop Planning Board (Feb-Apr 2013)

Member, Editorial Board of forthcoming book "Economics of Water Management in Agriculture" (Feb 2013 – present)

Member, Western Agricultural Economics Association's Officer Nomination Committee (Sept 2012)

Chair, Regional Research Project W-2190: Water policy and management challenges in the West (Nov 2011-Oct 2012)

Vice Chair, Regional Research Project W-2190: Water policy and management challenges in the West (Nov 2010-Oct 2011)

External Reviewer of a grant proposal for the USGS National Institute of Water Resources, (Jun 2011)

External Reviewer of a grant proposal for the International Research Initiative on Adaptation to Climate Change, sponsored by the Social Sciences and Humanities Research Council of Canada (Nov 2010)

Topic Leader, Led the review process and organized six selected paper sessions for natural resource-related abstracts submitted to the 2010 annual meeting of the Agricultural and Applied Economics Association (2009-2010)

Moderator, Selected presentation session. Annual meeting of the Agricultural and Applied Economics Association, Denver, Colorado (Jul 25-28, 2010)

Moderator, Selected presentation sessions. 12th International Symposium on Veterinary Epidemiology and Economics, Durban, South Africa (Aug10-14, 2009)

Topic Leader, Led the review process and organized selected paper sessions for natural resource-related abstracts submitted to the 2009 annual meeting of the Agricultural & Applied Economics Association (2008-2009)

Moderator, Selected presentation session "Production Economics and Farm/Ranch Management." Annual meeting of the Western Agricultural Economics Association (2008)

Member, Regional Research Project W1190/W2190: Water policy and management challenges in the West (2007 – present)

University

Vice President, Wyoming Chapter of the Gamma Sigma Delta Honor Society for Agriculture (2014)

Search Committee, Assistant Professor of Weed Science, University of Wyoming, Department of Plant Sciences (Dec 2013 – April 2014)

Member, Biodiversity Institute Faculty Board, University of Wyoming (Jan 2013 – present)

Review Committee, Biodiversity Research Grant Program, Biodiversity Institute, University of Wyoming (Apr 2013)

Search Committee, Wyoming Excellence Professor in the Wildlife-Livestock Health Program, University of Wyoming, Department of Veterinary Sciences (Feb 2013 – Mar 2014)

Treasurer, Wyoming Chapter of the Gamma Sigma Delta Honor Society for Agriculture (2013)

Review Committee, Global Perspectives Grant Program, College of Agriculture and Natural Resources (Nov 2012)

Member, Administrative Advisory Committee, James C. Hageman SAREC Research and Extension Center (Sept 2011 – present)

Review Committee, Wyoming EPSCoR Pre-proposal Competition (Aug 2011; 2 abstracts)

Senior Advisor, Environment and Natural Resources Program (Fall 2010 – present)

Search Committee, Assistant Professor of Veterinary Epidemiology, University of Wyoming, Department of Veterinary Sciences (2008 – 2010)

Ag Ambassadors Selection Committee, College of Agriculture (Spring 2008, 2012)

Classroom Renovation Committee, Faculty Representative, University of Wyoming (March 5th, 2008)

Water Working Group, Ruckelshaus Institute for Environment and Natural Resources, University of Wyoming (2006 – 2010)

Departmental

Search Committee, Assistant Professor of Agribusiness, Department of Agricultural and Applied Economics, University of Wyoming (2014 – present)

Undergraduate Committee, Department of Agricultural and Applied Economics, University of Wyoming (2006 – present)

Search Committee, Assistant Professor of Water Resource Economics, Department of Agricultural and Applied Economics, University of Wyoming (2008 – 2009)

Search Committee, Assistant Professor of Agricultural Economics at SAREC, Department of Agricultural and Applied Economics, University of Wyoming (2007 – 2008)

Miscellaneous

Guest Speaker, “Epi-nomics: epidemiological economics” PATB 4001, Epidemiology, University of Wyoming, Mar 10, 2014.

Guest Speaker, “Economics of cattle production in the Greater Yellowstone Area”, AECL 4990, Agroecology Seminar, University of Wyoming, Apr 9, 2013.

Guest Speaker, “Economics of brucellosis”, Visiting scientists from east Africa, hosted by the Department of Veterinary Sciences, University of Wyoming, Mar 19, 2013.

Guest Interview, Wyoming Public Radio, “Economic implications of the NRCS Agricultural Water Enhancement Program in Laramie County, WY”, Mar 4, 2013 (story aired Mar 15).

Guest Speaker, “Epi-nomics: epidemiological economics” PATB 4001, Epidemiology, University of Wyoming, Oct 24, 2012.

Guest Judge, “One Man’s Treasure” – art competition for MKT 4600, Campus Sustainability, University of Wyoming, Apr 27, 2012.

Guest Participant, “Mock stakeholder meeting about elk feedground management” REWM 4900, Rangeland Management Planning, University of Wyoming, Feb 23, 2012.

Consultant, “Take-home messages about the effects of climate change on agriculture in the US and Canada when future climate scenarios are uncertain” for Dr. Neil Conklin, President of the Farm Foundation, in preparation for the Second Annual Canadian Agricultural Policy Conference (Jan 11-13, Ottawa, Ontario, Canada), Dec 19-21, 2011.

Guest Speaker, “Plant & animal diseases and pests: implications for international trade” AGECE 4880, International Trade, University of Wyoming, Nov 10, 2011.

Guest Speaker, “Agribusiness management & agricultural economics: more fun than it sounds...I swear!” AGRI 1001, Intellectual Community and Information Literacy in Agriculture, University of Wyoming, Nov 1, 2011.

Guest Speaker, “Epi-nomics: epidemiological economics” PATB 4001, Epidemiology, University of Wyoming, Oct 19, 2011.

Panel Member, "Graduate admissions." McNair Scholars Program, University of Wyoming, June 20, 2011.

Guest Panelist, "Future challenges for sustainable agriculture in Wyoming." AECL 4990, Agroecology Seminar, University of Wyoming, Apr 19, 2011.

Co-organizer, "Workshop on priorities for a new research program on the epidemiology and economics of bovine brucellosis in the Greater Yellowstone Area." University of Wyoming, Mar 30-31, 2011.

Guest Panelist, "Mock Hearing of the Senate Committee on Agriculture, Nutrition and Forestry." AGEC 4880, Food, Farm and Trade Policy, University of Wyoming, Nov 16, 2010.

Guest Speaker, "Agribusiness management & agricultural economics: more fun that it sounds...I swear!" AGRI 1001, Intellectual Community and Information Literacy in Agriculture, University of Wyoming, Oct 12, 2010.

Panel Member, "Role of the thesis committee." McNair Scholars Program, University of Wyoming, July 8, 2010.

Guest Speaker, "Brucellosis: an economic diagnosis." ANSC 4630, University of Wyoming, Apr 21, 2010.

Guest Speaker, "Agribusiness management & agricultural economics: more fun than they sound...I swear!" AGRI 1001, Intellectual Community and Information Literacy in Agriculture, University of Wyoming, Nov 3, 2009.

Guest Speaker, "Things to consider when developing a new research idea." AGEC 4950, Senior Seminar, University of Wyoming, Oct 5, 2009.

Guest Speaker, "Environmental Economics 101." ENR 4900/5900, Environmental Assessment, University of Wyoming, Apr 1, 2009.

Invited Participant, Meeting of Pine Bluffs agricultural producers to discuss groundwater shortages. Invited by Anne McKinnon, Meeting Facilitator. January 20, 2009.

Guest Speaker, "Stories and lessons from my journeys as a college student and professor." Laramie Senior High School, Career Options class, September 25, 2008.

Workshop Co-organizer, "Economics as experimental science." Laramie Women in Science Conference, University of Wyoming, May 15, 2008.

Panel Member, "Graduate school admissions process." McNair Scholars Program, University of Wyoming, June 20, 2007.

Keynote Speaker, "Have you ever wondered why or how?" Laramie Women in Science Conference, University of Wyoming, May 8, 2007.

Guest Lecture, "Water Transfers." AGEC 4720 Water Resource Economics, University of Wyoming, Oct 17, 2006 & Sept 19, 2008.

Manuscript Review (# manuscripts:year)

BMC Veterinary Research (1:2014)
Agricultural and Resource Economics Review (1:2014)
Weather, Climate, and Society (1:2014; 1:2015)
Journal of Natural Resources Policy Research (1:2014)
American Journal of Agricultural Economics (1:2013-14)
Ecological Economics (1:2009; 1:2011; 1:2012; 1:2013)
Journal of Agricultural and Resource Economics (1:2005; 1:2008; 1:2009; 1:2011; 1:2013)
Agricultural Systems (1:2013)
Wildlife Research (1:2012)
Water Resources Research (1:2010; 2:2011)
Environment, Systems and Decisions (1:2012)
Spanish Journal of Agricultural Research (1:2007; 1:2012; 1:2013; 1:2014)
African Journal of Agricultural Research (1:2011)
Agricultural Water Management (1:2010)
Letters in Spatial and Resource Sciences (1:2010)
Australian Journal of Agricultural and Resource Economics (1:2008)
Journal of Water Resources Planning and Management (1:2008; 1:2009)
Resource and Energy Economics (1:2008)
Environmental Management (1:2004)
Review abstracts for the Annual Meeting of the American Association of Agricultural Economists (7:2008; 10:2009; 18:2010)
Review abstracts for the Annual Meeting of the Western Agricultural Economics Association (5:2008; 6:2009; 7:2011)
Review abstracts for the 12th International Symposium on Veterinary Epidemiology and Economics (7:2009)
Review abstracts for the Farming Systems Design Conference (1:2009)

Professional Development Activities

Participant, “2014 Summer Faculty Institute on Designing Your First-Year Seminar,” University of Wyoming Ellbogen Center for Teaching & Learning (May 19-22, 2014). Summer stipend: \$1,000.

Participant, “Irrational Behavior,” online course (not-for-credit) in behavioral economics by Dr. Dan Ariely (Mar – Apr, 2014)

Participant, FREN 1010: French I, on-campus UW course (not-for-credit) (Jan – May, 2014)

Invited Participant, “AgMIP-ERS Workshop: integrating water scarcity into future agricultural assessments” NASA Goddard Institute for Space Studies, New York, NY (Apr 30 – May 1, 2013)

Participant, “FAZD Principal Investigators Meeting” National Center for Foreign Animal and Zoonotic Disease Defense, Dallas, TX (Apr 21, 2011)

Invited Participant, “Economics of animal health & welfare: how will we increase the impact of economic analysis on decisions about health?” Royal Veterinary College, London, UK (Dec 7-8, 2010)

Participant, “Quantitative risk analysis in animal health & food safety,” Vose Consulting, Durban, South Africa (Aug 6-8, 2009)

Participant, “Utilizing Conjoint Analysis,” American Agricultural Economics Association, Webinar (2 hours), Laramie, WY (Mar 5, 2008)

Participant, “Epidemiologic Simulation Modeling,” USDA Centers for Epidemiology and Animal Health, Fort Collins, CO (Jan 14-18, 2008)

Participant, “Write Winning Grants,” Grant Writers’ Seminars and Workshops, University of Wyoming, Laramie, WY (Jun 28, 2007)

Participant, “MATLAB Fundamentals and Programming Techniques,” The MathWorks Training Services, Denver, CO (Jul 16-17, 2007)

Membership in Professional Societies

American Agricultural Economics Association

Western Agricultural Economics Association

The European Drought Centre

International Society for Veterinary Epidemiology and Economics

International Farm Management Association