

# Dustin L. Pendell

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## EDUCATION

- 2006      Ph.D.    Agricultural Economics, Kansas State University
- 2002      M.S.    Agribusiness Economics, Southern Illinois University, Carbondale
- 2000      B.S.    Agribusiness and Agriculture (Specialization in Agronomy  
Industry Management), *Cum Laude*, Illinois State University

## EXPERIENCE

- July 2018 to Present      Professor, Department of Agricultural Economics,  
Kansas State University.
- July 2015–June 2018      Associate Professor, Department of Agricultural Economics,  
Kansas State University.
- July 2012–June 2015      Associate Professor, Department of Agricultural and Resource  
Economics, Colorado State University.
- January–June 2013      Adjunct Associate Professor, School of Economic Sciences,  
Washington State University.
- August–December 2012      Visiting Faculty, Business Economics Group, Wageningen  
University, Wageningen, Netherlands.
- October 2006–June 2012      Assistant Professor, Department of Agricultural and Resource  
Economics, Colorado State University.

## HONORS

- College of Applied Science and Technology Academy of Achievement inductee (Illinois State Univ.) – 2016
- College of Agricultural Sciences Team Research Award (Colorado State Univ.) – 2015
- College of Agricultural Sciences Outstanding Research Award (Colorado State Univ.) – 2014

## JOURNAL ARTICLES

*Peer-Reviewed Journal Articles – Published* (<sup>a</sup> after name denotes collaborations initiated with students during their graduate programs)

Dennis, E.J.<sup>a</sup>, T.C. Schroeder, D.G. Renter, and **D.L. Pendell**. “Value of Metaphylaxis in U.S. Cattle Industry.” *Journal of Agricultural and Resource Economics*, Forthcoming.

Kibler, M.L.<sup>a</sup>, **D.L. Pendell**, M. Costanigro, and J. Traub-Dargatz. “Equine Daily Use Values and Owner Willingness-To-Pay for Infections Disease Treatment Options.” *Equine Veterinary Journal*, Forthcoming. <http://dx.doi.org/10.1111/evj.12786>

HolderiathJ.J.<sup>a</sup>, **D.L. Pendell**, J.C. Hadrich, A. Anderson, C. Sloomaker, E. Harper, and S.A. Shwiff. “Valuing the Absence of Feral Swine in the United States: A Partial Equilibrium Approach.” *Crop Protection* 112(2018):63-66.  
<https://doi.org/10.1016/j.cropro.2018.05.004>

Johnson, K.K., and **D.L. Pendell**. “Market Impacts of Reducing the Prevalence of Bovine Respiratory Disease in United States Beef Cattle Feedlots. *Frontiers in Veterinary Science – Veterinary Epidemiology and Economics* (2017).  
<https://doi.org/10.3389/fvets.2017.00189>

Hasty, J.D.<sup>a</sup>, M.M. Pfeifer<sup>a</sup>, L.C. Eastwood<sup>a</sup>, D.A. Gredell<sup>a</sup>, C.L. Gifford<sup>a</sup>, J.R. Levey<sup>a</sup>, C.M. Cashman<sup>a</sup>, D.R. Woerner, J.N. Martin, R.J. Delmore, W.B. Griffin, D.L. VanOverbeke, G.G. Mafi, C.A. Boykin, D.S. Hale, C.R. Kerth, D.B. Griffin, A.N. Arnold, J.W. Savell, **D.L. Pendell**, and K.E. Belk. “National Beef Quality Audit-2016: Phase 1, Face-to-face interviews.” *Translational Animal Science* 1(2017)3:320–332.  
[doi:10.2527/tas2017.0039](https://doi.org/10.2527/tas2017.0039)

Marsh, T.L., **D.L. Pendell**, and R. Knippenberg. “Animal health economics: aid to decision-making on animal health interventions – case studies in the USA.” *OIE Scientific and Technical Review* 36(2017)1:137–145. <http://dx.doi.org/10.20506/rst.issue.36.1.2604>

Kessler, B.A.<sup>a</sup>, **D.L. Pendell**, and R.M. Enns. “Hedonic prices of yearling bulls: Estimating the value of a pulmonary arterial pressure score.” *The Professional Animal Scientist* 33(2017)1:113-119. <https://doi.org/10.15232/pas.2016-01503>

Thompson, J.M.<sup>a</sup>, and **D.L. Pendell**. “A Case for Business Continuity: Product Movement during a Highly Pathogenic Avian Influenza Outbreak.” *Choices* Quarter 2(2016).  
[LINK](#)

**Pendell, D.L.**, J.L. Lusk, T.L. Marsh, K.H. Coble, and S.C. Szmania. “Economic Assessment of Zoonotic Diseases: An Illustrative Study of Rift Valley Fever in the United States.” *Transboundary and Emerging Diseases* 63(2016):203–214. [doi: 10.1111/tbed.12246](https://doi.org/10.1111/tbed.12246)

**Pendell, D.L.**, T.L. Marsh, K.H. Coble, J.L. Lusk, and S. Szmania. “Economic Assessment of FMDv Releases from the National Bio and Agro Defense Facility.” *PLoS ONE* 10(2015): e0129134. [doi:10.1371/journal.pone.0129134](https://doi.org/10.1371/journal.pone.0129134)

- Schroeder, T.C., **D.L. Pendell**, M. Sanderson, and S. McReynolds<sup>a</sup>. “Economic Impact of Alternative FMD Emergency Vaccination Strategies in the Midwestern United States.” *Journal of Agricultural and Applied Economics* 47(2015):47-76. <http://dx.doi.org/10.1017/aae.2014.5>
- Murphy, R.G.L.<sup>a</sup>, S.T. Howard<sup>a</sup>, D.R. Woerner, **D.L. Pendell**, C.L. Dixon<sup>a</sup>, T.L. Desimone<sup>a</sup>, M.D. Green, J.L. Igo<sup>a</sup>, J.D. Tatum, and K.E. Belk. “Definition, willingness-to-pay and ranking of quality attributes of pork as defined by importers in Asia and Mexico.” *Journal of Animal Science* 93(2015):433-441. [doi:10.2527/jas.2014-8102](https://doi.org/10.2527/jas.2014-8102)
- Wenjing, H.<sup>a</sup>, D. Thilmany-McFadden, and **D.L. Pendell**. “Exploring Seasonal Dynamics and the Role of Energy Costs in Regional Apple Markets.” *Agricultural and Resource Economics Review* 43(2014)3:357-372. <https://doi.org/10.1017/S1068280500005487>
- Pendell, D.L.**, G.T. Tonsor, K.C. Dhuyvetter, G.W. Brester, and T.C. Schroeder. “Evolving Beef Export Market Access Requirements for Age and Source Verification.” *Food Policy* (2013)43:332-340. [doi:10.1016/j.foodpol.2013.05.013](https://doi.org/10.1016/j.foodpol.2013.05.013)
- Pendell, D.L.**, and C. Cho<sup>a</sup>. “Stock Market Reactions to Contagious Animal Disease Outbreaks: An Event Study in Korean Foot-and-Mouth Disease Outbreaks.” *Agribusiness: An International Journal* 29(2013):455-468. [doi: 10.1002/agr.21346](https://doi.org/10.1002/agr.21346)
- Igo, J.L.<sup>a</sup>, D.L. VanOverbeke, D.R. Woerner, J.D. Tatum, **D.L. Pendell**, L.L. Vedral, G.G. Mafi, M.C. Moore, R.O. McKeith, G.D. Gray, D.B. Griffin, D.S. Hale, J.W. Savell, and K.E. Belk. “Phase I of The National Beef Quality Audit-2011: Quantifying willingness-to-pay, best-worst scaling, and current status of quality characteristics in different beef industry marketing sectors.” *Journal of Animal Science* 91(2013)4:1907-1919. [doi:10.2527/jas.2012-5815](https://doi.org/10.2527/jas.2012-5815)
- Mortenson, R.<sup>a</sup>, J. Parson, **D.L. Pendell**, and S.D. Haley. “Wheat Variety Selection: An Application of Portfolio Theory in Colorado.” *Western Economic Forum* 11(2013)2:10-21. [LINK](#)
- Pendell, D.L.**, G.W. Brester, T.C. Schroeder, K.C. Dhuyvetter, and G.T. Tonsor. 2010. “Animal Identification and Tracing in the United States.” *American Journal of Agricultural Economics* 92(2010)4:927-940. [doi: 10.1093/ajae/aaq037](https://doi.org/10.1093/ajae/aaq037)
- Williams J.R., R.V. Llewelyn, **D.L. Pendell**, A. Schlegel, and T. Dumler. “A Risk Analysis of Converting Conservation Reserve Program Acres to a Wheat-Sorghum-Fallow Rotation.” *Agronomy Journal* 102(2010)2:612-622. [doi:10.2134/agronj2009.0142](https://doi.org/10.2134/agronj2009.0142)
- Smith, G.C., **D.L. Pendell**, K.E. Belk, J.D. Tatum, J.N. Sofos, and D.L. Morris. “Opinions of those in Cattle, Swine and Sheep, Harvesting and Rendering Sectors Regarding Aspects of the National Animal Identification System.” *The Professional Animal Scientist* 25(2009)6:641-653. [LINK](#)

- Murphy, R.G.L.<sup>a</sup>, **D.L. Pendell**, G.C. Smith. “Lessons from the Canadian Cattle Industry for Developing the National Animal Identification System.” *International Food and Agribusiness Management Review* 12(2009)2:1-18. [LINK](#)
- Williams, J.R., **D.L. Pendell**, R.V. Llewelyn, D.E. Peterson, and R.G. Nelson. “Net Returns to Tillage Systems under Changing Input and Output Market Conditions.” *Journal of The American Society of Farm Managers and Rural Appraisers* (2009):78-93.
- Smith G.C., **D.L. Pendell**, J.D. Tatum, K.E. Belk and J.N. Sofos. “Post-Slaughter Traceability.” *Meat Science* 80(2008)1:66-74. [doi:10.1016/j.meatsci.2008.05.024](https://doi.org/10.1016/j.meatsci.2008.05.024)
- Murphy, R.G.L.<sup>a</sup>, **D.L. Pendell**, D.L. Morris, J.A. Scanga, K.E. Belk, and G.C. Smith. “A Review of Animal Identification Systems in North America.” *The Professional Animal Scientist* 24(2008)4:277-286. [LINK](#)
- Bowling, M.B.<sup>a</sup>, **D.L. Pendell**, D.L. Morris, Y. Yoon<sup>a</sup>, K. Katoh<sup>a</sup>, K.E. Belk, and G.C. Smith. “Identification and Traceability of Cattle in Selected Countries Outside North America.” *The Professional Animal Scientist* 24(2008)4:287-294. [LINK](#)
- Meisinger, J.L.<sup>a</sup>, **D.L. Pendell**, D.L. Morris, K.E. Belk, and G.C. Smith. “Review of Swine Traceability Systems in Selected Countries Outside North America.” *The Professional Animal Scientist* 24(2008)4:295-301. [LINK](#)
- Bass, P.D.<sup>a</sup>, **D.L. Pendell**, D.L. Morris, J.A. Scanga, K.E. Belk, T.E. Field, J.N. Sofos, J.D. Tatum, and G.C. Smith. “Review of Sheep Traceability Systems in Selected Countries Outside of North America.” *The Professional Animal Scientist* 24(2008)4:302-307. [LINK](#)
- Pendell, D.L.**, and A.M. Featherstone. “Agricultural Assets in an Optimal Investment Portfolio.” *Agricultural Finance Review* 67(2007)2:259-278. <http://dx.doi.org/10.1108/00214660780001208>
- Pendell, D.L.**, J.C. Leatherman, T.C. Schroeder, and G.S. Alward. “The Economic Impacts of a Foot-And-Mouth Disease Outbreak: A Regional Analysis.” *Journal of Agricultural and Applied Economics* ‘Special Issue’ 39(2007):13-33. <http://dx.doi.org/10.1017/S1074070800028911>
- Pendell, D.L.**, J.R. Williams, S.B. Boyles, C.W. Rice, and R.G. Nelson. “Soil Carbon Sequestration Strategies with Alternative Tillage and Nitrogen Sources under Risk.” *Review of Agricultural Economics* 29(2007)2: 247-268. [doi:10.1111/j.1467-9353.2007.00341](https://doi.org/10.1111/j.1467-9353.2007.00341)
- Pendell, D.L.**, and T.C. Schroeder. “Impact of Mandatory Price Reporting on Fed Cattle Market Integration.” *Journal of Agricultural and Resource Economics* 31(2006)3:568-579. [LINK](#)

**Pendell, D.L.**, J.R. Williams, D.W. Sweeney, R.G. Nelson, and C.W. Rice. “Economic Feasibility of Carbon Sequestration in Claypan Soil with Alternative Tillage Systems and Nitrogen Sources for Grain Sorghum and Soybean.” *Journal of the American Society of Farm Managers and Rural Appraisers* (2006):90-99.

**Pendell, D.L.**, J.R. Williams, C.W. Rice, R.G. Nelson, and S.B. Boyles. “An Economic Feasibility Analysis of Manure Applications and No-Tillage for Soil Carbon Sequestration in Corn Production.” *Journal of Environmental Quality* 35(July-August 2006)4:1364-1373. [doi:10.2134/jeq2005.0149](https://doi.org/10.2134/jeq2005.0149)

**INVITED PRESENTATIONS** (<sup>a</sup> after name denotes collaborations initiated with students during their graduate programs)

**Pendell, D.L.** “Trade, markets, and biosecurity: lessons for the future.’ Presented at the Economic Reasoning for Improved Animal Health (ERIAH) workshop: ‘From Economic Assessment to Policy Making’, Montpellier, France, May 2018.

Thompson, J. and **D.L. Pendell**. “Economic Impacts of Partner Trade Restrictions During an Animal Health Event.” Presented (by Thompson) at the Western Agricultural Economics Association annual meetings, Lake Tahoe, NV, July 2017.

Seeger, R.<sup>a</sup>, K. Johnson, A. Hagerman, **D.L. Pendell**, T.L. Marsh. “When Poultry Take a Sick Leave: Investigating the Response Costs of the United States Highly Pathogenic Avian Influenza Epidemic.” Presented (by Seeger) at Western Agricultural Economic Association annual meetings, Lake Tahoe, NV, July 2017.

Thompson, J., A. Seitzinger, and **D.L. Pendell**. 2017. “Trading Partner and Product Switching During an Animal Health Event.” Inaugural International Society for Economics and Social Sciences of Animal Health Meeting, Aviemore, Scotland, March 27-28.

Kim, Y.<sup>a</sup>, B. Chen<sup>a</sup>, A.M. Featherstone, and **D.L. Pendell**. “Are Efficient Farms and Inefficient Farms Heterogeneous?” Presented (by Kim) at the Southern Agricultural Economics Association annual meetings, Mobile, AL, February 2017.

Kim Y.<sup>a</sup> and **D.L. Pendell**. “How Crop Insurance affects Farm Business Survivability.” Presented (by Kim) at Agricultural and Applied Economic Association annual meetings, Boston, MA, August 2016.

Thompson, J.<sup>a</sup> and **D.L. Pendell**. “A System Approach for Three-Dimensional Panel Data to Estimate Poultry Trade Impacts due to Animal Disease Outbreaks.” Presented (by Kim) at Agricultural and Applied Economic Association annual meetings, Boston, MA, August 2016.

Thompson, J., **D.L. Pendell**, S. Malladi, K. Patyk, J.T. Weaver, and T. Boyer. “Economic Impacts of an HPAI Outbreak on Minnesota Egg Laying Operations.” National Preparedness and Incident Coordination Center Fireside Fridays, Washington DC, March 2016.

**Pendell, D.L.**, K.K Johnson, C.A. Koprak. “Value of Biosecurity on United States Cow-Calf Operations.” Presented (by Pendell) at the International Society for Veterinary Epidemiology and Economics meeting in Yucatan, Mexico, November 2015.

Thompson, J.<sup>a</sup>, **D.L. Pendell**, S. Malladi, K. Patyk, J.T. Weaver, and T. Boyer. 2015. “Economic Impacts of an HPAI Outbreak on Minnesota Egg Laying Operations.” Presented (by Thompson) at the International Society for Veterinary Epidemiology and Economics meeting in Yucatan, Mexico, November 2015.

Webb, M.J.<sup>a</sup>, D.R. Woerner, **D.L. Pendell**, T. Engle, J. Henson, and H. Zerby. “Identifying Consumer Preferences for Different Beef Types Based on Flavor.” Presented (by Webb) at the ASMA Reciprocal Meats Conference meeting in Lincoln, NE. June 2015.

**Pendell, D.L.** “GMO Labeling Legislative Update: The Colorado Experience.” Presented at Agricultural and Applied Economic Association annual meetings, Minneapolis, MN, August 2014.

**Pendell, D.L.**, T.C. Schroeder, and M.W. Sanderson. “Continuity of Business for Beef Operations and Feedlots in the Event of an FMD Outbreak.” Presented (by Pendell) at Western Agricultural Economic Association annual meetings, Colorado Springs, CO, June 2014.

Mutyasira, V.<sup>a</sup>, and **D.L. Pendell**. “Analysis of Efficiency of U.S. Beef Cow-Calf Farms.” Presented (by Mutyasira) at Western Agricultural Economic Association annual meetings, Colorado Springs, CO. June 2014.

Larsen, R.<sup>a</sup>, and **D.L. Pendell**. “An Analysis of Feedlot Production and Profitability by Altering Days-on-Feed.” Presented (by Larsen) at Western Agricultural Economic Association annual meetings, Colorado Springs, CO, June 2014.

Motallebi, M.<sup>a</sup> and **D.L. Pendell**. “Estimating an Almost Ideal Demand System Model for Meats in IRAN.” Presented (by Motallebi) at Agricultural and Applied Economic Association annual meetings, Washington, DC, August 2013.

**Pendell, D.L.** “Site-Specific Risk Assessment for the National Bio and Agro-Defense Facility in Manhattan, KS.” Presented at International Society for Veterinary Epidemiology and Economics meeting, Maastricht, Netherlands, August 2012.

- Cho, C.<sup>a</sup> and **D.L. Pendell**. “Stock Market Reaction to Animal Disease Outbreaks: An Event Study in Korean Foot-and-Mouth Disease.” Presented (by Pendell) at Western Agricultural Economics Association annual meetings, Park City, UT, June 2012.
- Kibler, M.<sup>a</sup> and **D.L. Pendell**. “Estimated Efficiency of U.S. Cow-Calf Operations.” Presented (by Kibler) at Western Agricultural Economics Association annual meetings, Park City, UT, June 2012.
- Pendell, D.L.** “Site-Specific Risk Assessment for the National Bio and Agro-Defense Facility in Manhattan, KS.” Presented at Western Agricultural Economics Association Organized Symposium, Park City, UT, June 2012.
- Marsh, T.L. and **D.L. Pendell**. “An Economic Assessment of the National Bio and Agro-Defense Facility.” Presented (by Marsh and Pendell) at Western Agricultural Economics Association Organized Symposium, Park City, UT, June 2012.
- Pendell, D.L.** and G.W. Brester. “Economic Impacts of Red Meat Export Market Access Requirements.” Presented at Western Agricultural Economics Association Organized Symposium, Banff, Alberta, Canada, June 2011.
- Jones, J.<sup>a</sup>, J.G. Carlberg, and **D.L. Pendell**. “Effects of a Traceability System on the Economic Impacts of a Foot-and-Mouth Disease Outbreak.” Presented (by Jones) at Southern Agricultural Economic Association annual meetings, Corpus Christi, TX, February 2010.
- Pendell, D.L.** and A.E. Hill. “Economic impacts for alternate depopulation capacities for a FMD outbreak in the U.S.” Presented at International Symposia for Veterinary Epidemiology and Economics meeting, Durban, South Africa, August 2009.
- Pendell, D.L.** “Challenges and Issues Modeling Foreign Animal Disease Events.” Presented at Agriculture and Applied Economics Association Organized Symposium, Milwaukee, WI, July 2009.
- Goldbach, R.<sup>a</sup>, **D.L. Pendell**, and J.R. Williams. “Identifying Characteristics of Risk Efficient Farms.” Presented (by Goldbach) at Western Agricultural Economics Association annual meetings, organized symposium, Lihue, HI, June 2009.
- Pendell, D.L.** “Control Strategies for A FMD Outbreak: Probability Distributions of Economic Impacts.” United States Animal Health Association Annual meeting, Greensboro, NC, October 2008.
- Pendell, D.L.** and T.C. Schroeder. “Impacts from Animal Health Management and Surveillance Strategies.” Presented at Western Agricultural Economics Association Organized Symposium, Big Sky, MT, June 2008.

Brester, G.W. and **D.L. Pendell**. “Welfare Effects of Animal Identification: Research Methodology.” Presented (by Brester and Pendell) at Western Agricultural Economics Association Organized Symposium, Big Sky, MT, June 2008.

Greathouse, B.<sup>a</sup>, K. Reid<sup>a</sup>, **D.L. Pendell**, and D.D. Thilmany. “Measuring the Economic Implications of Differing Animal Health Management Practices.” Presented (by Greathouse) at Western Agricultural Economics Association annual meetings, organized symposium in Big Sky, MT, June 2008.

**Pendell, D.L.**, J.C. Leatherman, T.C. Schroeder, and G.S. Alward. “The Economic Impacts of a Foot-And-Mouth Disease Outbreak: A Regional Analysis.” Presented at Western Agricultural Economics Association annual meetings, Portland, OR, July 2007.

**Pendell, D.L.** and A.M. Featherstone. “Agricultural Investments in an Optimal Invest Portfolio Under a Structural Break.” Presented at Western Agricultural Economics Association annual meetings, Anchorage, AK, June 2006.

Williams, J.R., **D.L. Pendell**, C.W. Rice, and R.G. Nelson. “A Risk Analysis of Carbon Sequestration in Claypan Soil with Conservation Tillage Systems and Nitrogen Fertilizers for Grain Sorghum and Soybean.” Presented (by Pendell) at Southern Agricultural Economic Association annual meetings, Orlando, FL, February 2006.

**Pendell, D.L.** and M.A. Boland. “Persistence of Profitability in Family-Owned Food Businesses.” Presented at American Agricultural Economic Association annual meetings, Providence, RI, July 2005.

**Pendell, D.L.**, J.R. Williams, C.W. Rice, R.G. Nelson, and S.B. Boyles. “An Economic Feasibility Analysis of Manure Applications and No-Tillage for Soil Carbon Sequestration in Corn Production.” Presented at Third USDA Symposium on Greenhouse Gases & Carbon Sequestration in Agriculture and Forestry, Baltimore, MD, March 2005.

**Pendell, D.L.** and T.C. Schroeder. “Cointegration in Regional Fed Cattle Markets.” Presented at Western Agricultural Economics Association annual meetings, Honolulu, HI, July 2004.

**Pendell, D.L.**, T.C. Schroeder, and P. Knoeber. “Effect of Captive Supply on Farm-to-Wholesale Beef Marketing Margin.” Presented at Western Agricultural Economic Association annual meetings, Denver, CO, July 2003.

**Pendell, D.L.**, S.B. Boyles, J.R. Williams, C.W. Rice, and R.G. Nelson. “An Economic and Risk Analysis of the Effects of No-Tillage and Manure Applications on Soil Carbon Sequestration in Corn Production.” Presented at Southern Agricultural Economic Association annual meetings, Tulsa, OK, February 2004.

**Posters** (<sup>a</sup> after name denotes collaborations initiated with students during their graduate programs)



- Thompson, J., G.T. Tonsor, **D.L. Pendell**, and W. Preston. “Feedlot Willingness to Pay for Disposal Capacity to Address Foreign Animal Disease Risk.” Poster presentation at the International Society for Economics and Social Sciences of Animal Health, Montpellier, France. May 2018.
- Webb, M.J.<sup>a</sup>, **D.L. Pendell**, A.A. Harty, R.R. Salverson, A.C. Rotz, K.R. Underwood, K.C. Olson, and A.D. Blair. “Identifying consumer preference for beef produced with different levels of growth promotant technology.” Poster presentation (by Webb) at the Reciprocal Meats Conference, College Station, TX. June 2017.
- Webb, M.J.<sup>a</sup>, **D.L. Pendell**, A.A. Harty, R.R. Salverson, A.C. Rotz, K.R. Underwood, K.C. Olson, and A.D. Blair. “Influence of growth promoting technologies on animal performance, production economics, environmental impacts and carcass characteristics of beef.” Poster presentation (by Webb) at the Reciprocal Meats Conference, College Station, TX. June 2017.
- Cozzens, T.<sup>a</sup>, **D.L. Pendell**, M. Sanderson, and R. Smith. “Estimating Farm Level Economic Impacts of Bovine Viral Diarrhea Virus in the United States.” Poster presentation at the Inaugural International Society for Economics and Social Sciences of Animal Health Meeting, Aviemore, Scotland, March 2017.
- Thompson, J., **D.L. Pendell**, A. Hagerman, and K. Johnson. 2017. “Modeling the Impact of Animal Disease Events on Quantity Exported.” Poster presentation at the Inaugural International Society for Economics and Social Sciences of Animal Health Meeting, Aviemore, Scotland, March 2017.
- Thompson, J., **D.L. Pendell**, A. Hagerman, and K. Johnson. 2017. “Incorporating Business Continuity into Future Disease Management Plans: A Case of U.S. HPAI Event.” Poster presentation at the Inaugural International Society for Economics and Social Sciences of Animal Health Meeting, Aviemore, Scotland, March 2017.
- Johnson, K.K., and **D.L. Pendell**. “Economic Impact of Reducing Bovine Respiratory Disease in United States Beef Cattle Feedlots.” Poster presentation at the Agricultural & Applied Economics Association meeting in San Francisco, CA. July 2015.
- Thompson, J.<sup>a</sup>, **D.L. Pendell**, J.T. Weaver, K. Patyk, S. Malladi, and T. Boyer. “Potential Economic Impacts of a Highly Pathogenic Avian Influenza Outbreak on Upper Midwestern United States Table-Egg Laying Operations.” Poster presentation at the Agricultural & Applied Economics Association meeting in San Francisco, CA. July 2015.
- Hoffman, T.W.<sup>a</sup>, K.E. Belk, D.R. Woerner, J.D. Tatum, R.J. Delmore, R.K. Peel, S.B. LeValley, **D.L. Pendell**, H.N. Zerby, L.F. English<sup>a</sup>, S.J. Moeller, and F.L. Fluharty. “Preferences Associated with American Lamb Quality in Retail & Foodservice Markets.” Poster presentation at the ASMA Reciprocal Meats Conference meeting in Lincoln, NE. June 2015.

Johnson, K.K., **D.L. Pendell**, and K.L. Stone. “Agricultural resource management survey and national animal health monitoring system data analysis: cow-calf case study.” Poster presentation at International Symposia for Veterinary Epidemiology and Economics meeting, Maastricht, Netherlands, August 2012.

Johnson, K.K., A.H. Seitzinger, P.L. Paarlberg, and K.L. Stone, and **D.L. Pendell**. “Export market recovery in face of disease outbreaks: a summary of findings for various diseases and species.” Poster presentation at International Symposia for Veterinary Epidemiology and Economics meeting, Maastricht, Netherlands, August 2012.

Johnson, K.K. and **D.L. Pendell**. “Agricultural Resource Management Survey and National Animal Health Monitoring System Data Analysis: Cow-Calf Case Study.” Poster presented at Agricultural & Applied Economics Association meeting, Seattle, WA, August 2012.

Hamilton, A., S. Szmania, D. Kadavy, M. Isbell, M. Gardner, R. Cassagrande, M. Kazmierczak, M. Rush, G. Bieberbach, P. Bieringer, K. Coble, T.L. Marsh, **D.L. Pendell**, F. Bryant, P. Splichal, and J. Brewer. “A Site-Specific Biosafety and Biosecurity Risk Assessment for the National Bio and Agro-Defense Facility (NBAF).” Poster presentation at 5th National Bio-Threat Conference, Denver, CO, March 2012. Poster presentation, Military Operations Research Symposium (MORS), Colorado Springs, CO, June 2012.

#### *Seminar Presentations*

Colorado State University

Kansas State University

Michigan State University

Royal Veterinary College – University of London

University of Idaho

University of Manitoba

University of Wyoming

Wageningen University

Washington State University

**EXTENSION/OUTREACH ACTIVITIES** (<sup>a</sup> after name denotes collaborations initiated with students during their graduate programs)

#### *Outreach Publications*

Kim, Y., **D.L. Pendell**, and J. Yu. “Effects of Crop Insurance on Farm Survival.” Kansas State University, Department of Agricultural Economics. April 2018.

**Pendell, D.L.**, and K. Herbel. “Differences Between High-, Medium-, and Low-Profit Cow-Calf Producers: An Analysis of 2012-2016 Kansas Farm Management Association Cow-Calf Enterprise.” Kansas State University, Department of Agricultural Economics. December 2016.

- Pendell, D.L.**, Y. Kim, and K. Herbel. “Differences Between High-, Medium-, and Low-Profit Cow-Calf Producers: An Analysis of 2011-2015 Kansas Farm Management Association Cow-Calf Enterprise.” Kansas State University, Department of Agricultural Economics (Publication: KSU-AgEcon-DP-KH-2016.1). December 2016.
- Pendell, D.L.**, and K. Herbel. “Feed Costs: Pasture vs Non Pasture Costs: An Analysis of 2010-2014 Kansas Farm Management Association Cow Calf Enterprise.” Kansas State University, Department of Agricultural Economics (Publication: KSU-AgEcon-DP-KH-2015.1). December 2015.
- Pendell, D.L.**, Y. Kim, and K. Herbel. “Differences Between High-, Medium-, and Low-Profit Cow-Calf Producers: An Analysis of 2010-2014 Kansas Farm Management Association Cow-Calf Enterprise.” Kansas State University, Department of Agricultural Economics (Publication: KSU-AgEcon-DP-YK-KH-2015.1). December 2015.
- Pendell, D.L.** “Is Adding Livestock the Solution to Profit Margins: A State and Regional Level Analysis.” Kansas State University, Department of Agricultural Economics (Publication: KSU-AgEcon-DP-2015.1). December 2015.
- Pendell, D.L.**, and R. Reid. “Sheep Farm Management Guide Spreadsheet.” June 2016.
- Pendell, D.L.**, S. Johnson, K.C. Dhuyvetter, and L.C. Vogel. “KSU-Bull vs. AI Breeding Costs: Spreadsheet Tool.” November 2015.
- Pendell, D.L.**, Schroeder, T.C., M. Sanderson, and S. McReynolds<sup>a</sup>. “Economic Impact of Alternative FMD Emergency Vaccination Strategies in the Midwestern United States.” Kansas State University, Department of Agricultural Economics (Publication: KSU-AgEcon-DP-TS-2015.1). July 2015.
- Mortenson, R.<sup>a</sup>, **D.L. Pendell**, J. Parsons, and S.D. Haley. “An Evaluation of Colorado State University’s Wheat Breeding Program: Economic Impacts on Wheat Yields.” In *Economic Development Report* (EDR 12-03), Colorado State University Extension. December 2012.
- Johnson, K., A. Seitzinger, D. Thilmany, **D.L. Pendell**, and J. Pritchett. “Operator and Operation Characteristics: A Comparison of Low-sales, Medium-sales, and Large Family Sales Farm Operations in the United States.” In *Production and Farm Management Report* (PFMR 11-02), Colorado State University Extension. December 2011.
- Pendell, D.L.**, K. Johnson, J. Pritchett, D. Thilmany, and A. Seitzinger. “Production Resources and Management: A Comparison of Low-sales, Medium-sales, and Large Family Farm Operations in the United States.” In *Production and Farm Management Report* (PFMR 11-03), Colorado State University Extension. December 2011.

- Pritchett, J., D. Thilmany, **D.L. Pendell**, K. Johnson, and A. Seitzinger. "Demographics, Production Characteristics and Financial Performance Executive Summary: A Comparison of Low-sales, Medium-sales, and Large Family Farm Operations in the United States." In *Production and Farm Management Report* (PFMR 11-01), Colorado State University Extension. December 2011.
- Thilmany, D., **D.L. Pendell**, K. Johnson, A. Seitzinger, and J. Pritchett. "Profitability Measures and Financial Structure: A Comparison of Low-sales, Medium-sales, and Large Family Farm Operations in the United States." In *Production and Farm Management Report* (PFMR 11-04), Colorado State University Extension. December 2011.
- Pendell, D.L.**, G.T. Tonsor, G.W. Brester, K.C. Dhuyvetter, and T.C. Schroeder. "Economic Assessment of Evolving Red Meat Export Market Access Requirements for Traceability of Livestock and Meat." Kansas State University, Department of Agricultural Economics (Publication: AM-GTT-2011.2). September 2011.
- Pendell, D.L.** "Animal Diseases and Traceability." *Livestock Links* (CLA newsletter). April 2008.
- Pendell, D.L.**, T.C. Schroeder, J.C. Leatherman, and G.S. Alward. "Summary of a Regional Economic Impact of a Hypothetical Foot-And-Mouth Disease Outbreak in Southwest Kansas." In *Livestock and Wildlife Disease Report* (LWDR 07-01), Colorado State University Extension. September 2007.
- Pendell, D.L.** and T.C. Schroeder. "Value of animal traceability systems in managing a foot-and-mouth disease outbreak in southwest Kansas." In *Beef Cattle Research*, Report of Progress, Kansas State University Agricultural Experiment Station and Cooperative Extension Service, 2007.
- Pendell, D.L.** and A.M. Featherstone. "Kansas Farmland Sales and Characteristics: 1980-2003." MF-2689, Kansas State University Cooperative Extension Service Bulletin, August 2005.
- Brant M., **D.L. Pendell**, and G.T. Tonsor. "What Do You Think? Participant Survey Results: 2004 K-State Risk and Profit Conference." Kansas State University, Department of Agricultural Economics *Staff Paper No. 05-02*, November 2004. Contribution number 05-100-D.
- Brant M., P.M. Clark, and **D.L. Pendell**. "What Do You Think? Participant Survey Results: 2003 K-State Risk and Profit Conference." Kansas State University, Department of Agricultural Economics *Staff Paper No. 04-05*, November 2003. Contribution number 04-193-D.

**Pendell, D.L.**, W.R. Perry, J.R. Williams, G.A. Barnaby, and B.D. Lubben. “Mathematical Formulas for Calculating Net Returns from Participation in Government Programs, CRP, and Crop Insurance Alternatives.” Kansas State University, Department of Agricultural Economics *Staff Paper No. 04-02*, August 2003. Contribution number 04-036-D.

### ***Outreach Presentations***

“Beef Cattle Economics Trilogy: Beef Industry Outlook, Drivers of Profitability, and Better Use of Farm Management Budgets.” With Glynn Tonsor at KSU Cattlemen’s Day 2017. Manhattan, KS. March 3, 2017. (+/-750 participants)

“Economic Impact of an Outbreak of FMD in the United States.” Emerging Cattle Health and Research Issues Working Group at National Cattlemen’s Beef Association Annual Convention. Nashville, TN. February 2, 2017. (+/-55 people)

“Opportunities to Save of Cost of Production.” Top 10 Considerations to Navigate a Struggling Farm Economy. Salina, KS; Eldorado, KS. January/February 2017. (+/-85 participants)

“Risks and Consequences of an Introduction of a Foreign Animal Disease into the U.S.” Nebraska Cattlemen Annual Convention and Trade Show. Kearney, NE. 12/7/2016 (+/- 35 participants)

“Costs of Production and Getting Creative with Diversifying Enterprises” Ag. Agent Update. Emporia, KS; Ness City, KS. November 2016. (+/- 55 participants)

“Costs of Alternate Grazing.” K-State Ranching Summit. Manhattan, KS. October 2016. (+/- 120 participants)

“Should We Return to Diversified Crop-Livestock Operations?” Agricultural Lenders Conference. Garden City, KS; Manhattan, KS. October 2016. (+/- 165 participants)

“Sheep Operation Production Costs and Beyond.” K-State Sheep Producer Day. Manhattan, KS. March 5, 2016. (+/- 75 participants)

“Production Costs and Beyond.” SW District Sheep School: Lambing Season Success. Jetmore, KS. January 14, 2016. (+/- 25 participants)

“Economic Effects of Livestock Diseases: What are the Implications?” Kansas Society of Farm Managers & Rural Appraisers Winter Meeting. Manhattan, KS, February 26, 2016. (+/-80 participants)

“Livestock Production Economics Update.” Ag. Agents Update. Manhattan, KS, December 2015. (+/- 40 participants)

- “Animal Health in Feedlots and Cow-Calf Enterprises.” Ag. Lenders Conference. Garden City, KS; Manhattan, KS, September 2015. (+/- 120 participants)
- “Economic Impact of Alternative FMD Emergency Vaccination Strategies in the United States.” USDA-Veterinary Services Simulation and Modeling Seminar Series, July 2014. (Webinar)
- “Continuity of Business for Beef Operations and Feedlots in the Event of an FMD Outbreak.” Presented at USDA-APHIS. Fort Collins, CO. June 2014. ( +/- 30 participants)
- “The Economic Impacts of a FMD Outbreak in the United States.” 23<sup>rd</sup> Annual Food Animal Conference, College Station, TX, June 2014. (+/- 100 participants)
- “Economic Assessment of Evolving Red Meat Export Market Access Requirements for Traceability of Livestock and Meat.” 2011 National Beef Quality Audit Strategic Workshop in Denver, CO, April 2012. (+/- 60 participants)
- “Economic Assessment of Evolving Red Meat Export Market Access Requirements for Traceability of Livestock and Meat.” Cattle Symposium, Lexington, NE, March 2012. (+/- 80 participants)
- “Economic Effects of a Foot-and-Mouth Disease Outbreak in Livestock: What Does a FMD Outbreak Mean.” Presented at Regional Emergency Preparedness Weekend Event: Protecting the Plains. U.S. Meat Animal Research Center, Clay Center, NE, April 2010. (+/- 25 participants)
- “Trade and Disease Issues in the U.S. Beef Industry.” Presented to Russian Beef Producer Delegation, Fort Collins, CO, December 2009. (+/- 15 participants)
- “Epidemiology & Economics.” Presented at *International Veterinary Epidemiology Course*, USDA-APHIS, Fort Collins, CO, August 2009. (+/- 25 participants)
- “Economic Effects of a Foot- and-Mouth Disease Outbreak in Livestock: What Does a FMD Outbreak Mean To Me?” Presented at 7<sup>th</sup> Annual Biopreparedness Symposia, Gering, NE, May 2009. (+/- 25 participants)
- “Animal ID & Diseases.” Improving Communication between CLA and CSU: A Workshop for CLA’s leadership on the CSU Campus, Colorado State University, Fort Collins, CO, February 2008. (+/- 25 participants)
- “Considerations for Economic Modeling.” Presented at *An Introduction to Epidemiologic Simulation Modeling* course, USDA-APHIS, Fort Collins, CO, January 2008 and 2010; August 2007, 2008, and 2010. (+/-30 participants)
- “Developing Cost Parameters.” Presented at *An Introduction to Epidemiologic Simulation Modeling* course, USDA-APHIS, Fort Collins, CO, August 2008. (+/- 30 participants)

- “Estimating Movement Parameters with Limited Information.” Presented at *An Introduction to Epidemiologic Simulation Modeling* course, USDA-APHIS, Fort Collins, CO, August 2007. (+/-30 participants)
- “Obtaining Population Data for NAADSM.” Presented at *An Introduction to Epidemiologic Simulation Modeling* course, USDA-APHIS, Fort Collins, CO, August 2007. (+/- 30 participants)
- “Assessing the Impact of the National Animal Identification System (NAIS) With Regard To Beef, Pork and Lamb Harvesting and Rendering Facilities in the United States.” Presented at workshop for Animal ID in Harvesting and Rendering Facilities, Breckenridge, CO, August 2007. (+/- 45 participants)
- “What Do You Think? Participant Survey Results.” Presented at Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 2004.
- “Net Carbon Sequestration in NE Kansas Corn Production: An Economic Analysis.” Presented at Consortium for Agricultural Soils Mitigation of Greenhouse Gases meeting, Kansas State University, Manhattan, KS, November 2003.
- “What Do You Think? Participant Survey Results.” Presented at Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 2003.

### ***Popular Press Articles and Interviews***

*Agri-Pulse, AgWeb, Progressive Cattleman, Midwest Producer, National Hog Farmer, Seedstock EDGE*

### ***Radio & Television***

Effects of Crop Insurance on Farm Survival - K-State Radio Network, December 2017

Economic Impacts of a Foot-and-Mouth Disease Outbreak – Angus Talk and Angus TV, November 2016

Costs of Alternative Grazing – K-State Radio Network, October 2016

Should We Return to Diversified Crop-Livestock Operations? – K-State Radio Network, August 2016

Differences in Profit between Cow-Calf Producers – K-State Radio Network, March 2016; December 2016; January 2018

Is Adding Livestock the Solution – K-State Radio Network, January 2016

FMD Emergency Vaccination Strategies – K-State Radio Network, August 2015; USDA Radio News, October 2015.

## RESEARCH ACTIVITIES

**Grant Activity:** (<sup>a</sup> after name denotes collaborations initiated with students during their graduate programs)

Total Funded Research Support: \$5.22 million (PI: \$2.09 million; Co-PI: \$3.13 million)

07/2017 – 06/2018 “Development of *Economics of Animal Health and Food Safety* Online Course.” PI: **D.L. Pendell**. KSU Global Campus. Amount awarded: \$13,638.

07/2017 – 03/2018 “Workshop on the Economics of Animal Health and Biosecurity.” PI: **D.L. Pendell**. Co-PI: T.L. Marsh. USDA- National Institute of Food and Agriculture. Amount awarded: \$49,716.

12/2016 – 11/2020 “Linking cattle nutrition to human nutrition: A value chain approach to improving the production, handling, and consumption of animal source foods in Ethiopia.” PIs: J. Vipham and **D.L. Pendell**. Co-PI: B. Bradford, T. O’Quinn, D. Min and N. Bascom. Univ. of Florida’s Feed the Future Innovation Lab for Livestock Systems. Amount: \$1,000,000.

10/2016 – 09/2017 “Evaluation of Biosecurity Incentives: Assessing Feedlot, Dairy, Broiler, Egg Layer and Turkey Producers.” PI: **D.L. Pendell**. Co-PI: G.T. Tonsor and J.M. Thompson. USDA-Office of the Chief Economist. Amount \$102,903.

07/2016 – 06/2021 “Addressing National Needs in the Economics of Food Security through Animal Health and Biosecurity.” PI: **D.L. Pendell**. Co-PI: T.C. Schroeder and G.T. Tonsor. USDA-National Institute of Food and Agriculture. Amount \$79,500.

04/2016 – 03/2017 “Economic Analysis of HPAI Issues.” PI: **D.L. Pendell**. USDA–Animal and Plant Health Inspection Services. Amount \$104,490.

10/2015 – 09/2018 “Assessing the Epidemiological and Economic Impacts of Countermeasures and Vaccination Strategies in Disease Outbreaks at the National Scale.” PI: S. Pallickara. Co-PI: S Pallickara, F.J. Breidt, M. Sanderson and **D.L. Pendell**. Department of Homeland Security. Amount: \$2,046,914. (KSU: \$547,624)



- 09/2015 – 08/2016 “Economic Impact of Reducing Bovine Respiratory Disease (BRD) in U.S. Feedlots.” PI: **D.L. Pendell**. USDA–Animal and Plant Health Inspection Services. Amount \$42,331.
- 09/2015 – 08/2016 “Economic Consequence Assessment to Support Business Continuity Planning During a Highly Pathogenic Avian Influenza Outbreak.” PI: **D.L. Pendell**. Co-PI: J.M. Thompson<sup>a</sup>. United States Department of Agriculture–Animal and Plant Health Inspection Services. Amount \$30,000.
- 07/2015 – 06/2016 “Enhancing Feed Grain Food Use Estimates.” PI: M.R. Taylor. Co-PI: **D.L. Pendell**. USDA – Economic Research Service. Amount \$30,000.
- 01/2015 – 12/2017 “The National Center of Excellence for Zoonotic and Animal Disease Defense.” PI: **D.L. Pendell**. Co-PI: J.M. Thompson<sup>a</sup>. Texas A&M University. Amount \$88,168.
- 10/2014 – 09/2015 “Economic Impact of Reducing Bovine Respiratory Disease (BRD) in U.S. Feedlots.” PI: **D.L. Pendell**. United States Department of Agriculture–Animal and Plant Health Inspection Services. Amount \$54,995.
- 09/2014 – 08/2015 “Graduate Research Support in the Area of Feral Swine Genetics/Economics.” PI: **D.L. Pendell**. Co-PI: K. Huyvaert. United States Department of Agriculture–Animal and Plant Health Inspection Services. Amount \$100,000.
- 09/2014 – 08/2015 “Economic Consequence Assessment to Support Business Continuity Planning During a Highly Pathogenic Avian Influenza Outbreak.” PI: **D.L. Pendell**. Co-PI: J. Thompson<sup>a</sup>. United States Department of Agriculture–Animal and Plant Health Inspection Services. Amount \$61,833.
- 01/2014 – 03/2015 “Preferences & Complaints Associated With American Lamb Quality In Retail & Foodservice Markets.” PI: K. Belk. Co-PI’s: R.K. Peel, J.D. Tatum, **D.L. Pendell**, S.B. Levalley, D. Woerner, R.J. Delmore, and T. Hoffman<sup>a</sup>. American Lamb Board. Amount \$150,000.
- 08/2013 – 08/2014 “Graduate Research Support in the Area of Genetics/Economics.” PI: **D.L. Pendell**. Co-PI: R. Lyons. United States Department of Agricultural–Animal and Plant Health Inspection Services. Amount \$75,000.
- 05/2013 – 12/2014 “Estimation of Economic Impacts of Selected Aspects of Equine Disease.” PI: **D.L. Pendell**. Co-PI’s: J. Traub-Dargatz and M. Kibler<sup>a</sup>. Zoetis, LLC. Amount \$112,923.

- 10/2010 – 12/2011 “National Beef Quality Audit – 2011.” PI: K. Belk. Co-PI’s: J. Franke, D. Hale, G. Hilton, J. Igo<sup>a</sup>, J.B. Morgan, J. Savell, J.D. Tatum, D. Van Oberbeke, **D.L. Pendell**, and D. Woerner. National Cattlemen’s Beef Association. Amount \$105,250.
- 03/2010 – 09/2010 “An Analysis Identifying Characteristics of Profitable Small and Medium Sized Farms in the United States.” PI: **D.L. Pendell**. United States Department of Agriculture–Animal and Plant Health Inspection Service. Amount: \$5,720.
- 04/2009 – 06/2010 “Propensity of Importers to Pay for Pork Quality Attributes in Select U.S. Export Markets.” PI: Keith E. Belk. Co-PI’s: R.G.L. Murphy<sup>a</sup>, M.B. Bowling, **D.L. Pendell**, and G.C. Smith. National Pork Board. Amount: \$99,900.
- 10/2007 – 12/2009 “Efficient Management Strategies for a Contagious Animal Disease Outbreak: Probability Distributions of Economic Impacts from Foot-and-Mouth Disease.” PI: **Dustin L. Pendell**. Co-PI’s T.C. Schroeder and A.E. Hill. United States Department of Agriculture–Economic Research Service. Amount: \$142,084.
- 08/2007 – 09/2008 “Benefit Cost Analysis of the National Animal Identification System.” PI: T.C. Schroeder. Co-PI’s: D. Blasi, G. Brester, K.C. Dhuyvetter, **D.L. Pendell**, G.C. Smith, J. Stroade, and G.T. Tonsor. United States Department of Agricultural–Animal and Plant Health Inspection Service. Amount: \$499,462.
- 3/2007 – 9/2008 “Evaluation of Alternative Surveillance and Control Zone Options in NAADSM.” PI: **D.L. Pendell**. United States Department of Agricultural–Animal and Plant Health Inspection Service. Amount: \$30,000.
- 08/2006 – 09/2008 “Costs of Livestock Disease in the United States and Benefits of Disease Surveillance.” PI: D.D. Thilmany. Co-PI: **D.L. Pendell**. United States Department of Agriculture–Animal and Plant Health Inspection Service. Amount: \$42,643.
- 10/2005 – 09/2007 “Value of Animal Traceability Systems in Managing Contagious Animal Diseases.” PI: T.C. Schroeder. Co-PI: **D.L. Pendell**. Collaborators: D. Blasi and A.H. Seitzinger. United States Department of Agriculture–Economic Research Service. Amount: \$151,800.

## **PROFESSIONAL SERVICE**

### **National and State Committees**

National Academy of Sciences. “Updated Biosafety and Biosecurity Mitigation Risk Assessment.” Participant and Subject Matter Expert. Briefing on a study commissioned by Department of Homeland of Security. September 2011, March 2012.

National Academy of Sciences. “Site-Specific Biosafety and Biosecurity Mitigation Risk Assessment.” Participant and Subject Matter Expert. Briefing on a study commissioned by Department of Homeland of Security. February 2010, July 2010.

USDA – National Institute of Food and Agriculture (NIFA). Peer review panel. 2016.

Profession:

*American Agricultural Economics Association*

Food and Agricultural Marketing and Policy Section (FAMPS)

Chair Elect, Chair, and Past Chair, 2013 – 2016

Nominating Committee, 2015 – 2018

Selected Paper Reviewer, 2005, 2008, 2009, 2011, 2014 – 2017

*Western Agricultural Economics Association*

JARE Editorial Council, 2018 – 2020

Director, 2013 – 2016

Council, 2009 – 2013

Distinguished Scholars Selection Committee, 2011 – 2013

Selected Paper Reviewer, 2007, 2012 – 2015

*International Society on Veterinary Epidemiological & Economics*

Scientific Committee, 2015

Selected Paper Reviewer and Session Chair, 2009, 2012, 2015

*International Society of Social Science and Economics of Animal Health*

Scientific Committee, 2016, 2017

Organizing Committee, 2018 – 2019

Preventative Veterinary Medicine

Editorial Advisory Board, 2018 – 2020

Western Association of Agricultural Experiment Station Directors project: “W3177:

Enhancing the Competitiveness and Value of U.S. Beef.”

Secretary/Vice Chair, 2013 – 2014

Chair, 2014 – 2015

Member, 2007 – Current

**University and College Committees**

Colorado State University:

*Department*

Agribusiness Association (*Advisor*), 2006 – 2008

Collegiate Farm Bureau (*Advisor*), 2011 – 2012

Graduate Student Association (*Advisor*), 2013 – 2015  
Distance Education Review Committee, 2011 – 2012  
Executive Committee, 2013 – 2015  
Graduate Program  
    Chair, 2013 – 2015  
    Committee Member, 2008 – 2012  
    Graduate Admission's Committee, 2008 – 2012  
Faculty Mentoring Committees, 2013 – 2015  
Ph.D. Agricultural Economics Field Exam Committee, January 2010 (*Chair*), 2011, 2013,  
    August 2010 (*Chair*), 2011 (*Chair*), 2013, 2014  
Search Committee  
    Department Head Search, 2010 – 2011  
    Agribusiness Faculty Search, 2011 – 2012  
    Undergraduate Education Review Committee, 2011 – 2012

#### *College*

ISTeC Education Advisory Committee, 2007 – 2008  
Electronic Annual Evaluation Committee, 2010  
Dean's Advisory Committee, 2009 – 2015  
Strategic Initiative (*Assuring Meat and Produce Safety and Quality*) Committee, 2009 –  
    2015

#### *University*

College of Agricultural Science's Dean Search Committee, 2014 – 2015  
Faculty Council's Committee on Strategic and Financial Planning, 2014 – 2015

#### Kansas State University:

##### *Department*

Graduate Student Association (*President*), 2004 – 2005  
Graduate Student Association (*Secretary*), 2003 – 2004  
Faculty – Graduate Student Committee, 2003 – 2004  
Preliminary Examination Committee, 2017  
Search Committee  
    Grain Marketing/Risk Management – Assistant Professor, 2017  
    Southwest Area Economist, 2015  
    Northeast KFMA Economist, 2015

##### *College*

Beef Cattle Institute's Faculty Management Team, 2017 – current

#### CSU's Animal Population Health Institute (APHI)

Internal Advisory Board member, 2011 – 2015  
Member, 2007 – 2015

#### CSU's Center for Meat Safety & Quality (CMSQ)

Member, 2010 – 2015

**Article Reviews:** *Applied Economic Perspective and Policy*  
*Agriculture and Resource Economic Review*  
*Canadian Journal of Agricultural Economics*  
*Choices*  
*Computers and Electronics in Agriculture*  
*Food Policy*  
*Frontiers – Veterinary Epidemiology and Economics*  
*International Food and Agribusiness Management Review*  
*Journal of Agricultural and Applied Economics*  
*Journal of Agricultural and Resource Economics*  
*Journal of Agricultural Sciences*  
*Journal of American Veterinary Medical Association*  
*Journal of Food Distribution Research*  
*Journal of Toxicology and Environmental Health*  
*PLOS ONE*  
*Preventive Veterinary Medicine*  
*Sustainability*  
*The Professional Animal Scientist*  
*USDA-ARS*  
*Veterinary Research*  
*Western Economics Forum*

*Outside Activities (Paid and Non-Paid):*

Colorado State University, Department of Homeland Security, Farm Fresh Direct, Merck Animal Health, National Cattlemen’s Beef Association, Signature Science, South Dakota State University, USDA-Office of the Chief Economist, U.S. Meat Export Federation, Washington State Academy of Science, and Washington State University

**TEACHING ACTIVITIES**

**Descriptions of Courses Taught**

***Colorado State University***

AREC 305 – Agricultural and Resource Enterprise Analysis.

Use of records in agricultural and resource enterprise management; analytical methods, budgets, and planning techniques for improved decision making.

AREC 310 (on-campus & distance) – Agriculture Marketing.

Market structure, behavior, and performance including futures market and market games theory.

AGRI 639 – Products to Profit.

Marketing all aspects of the enterprise, beginning with land and forage resource and tracking all revenue generation.

AREC 510 – Agricultural Product Marketing.

Marketing techniques and industrial organization/competition for agricultural products in U.S. domestic, international trade, and developing country markets.

AREC 605 – Agricultural Production and Cost Analysis.

Empirical application and analysis of production and cost issues in the agricultural and natural resource sectors.

AREC 610 – Agricultural Marketing and Demand Analysis.

Empirical application and analysis of agricultural marketing and demand issues in the agricultural and natural resource sectors.

***Kansas State University***

AGEC 490 – Computer Applications in Agricultural Economics and Agribusiness.

Applications of microcomputers to problems in agricultural economics and agribusiness. Emphasis on budgeting, cash flow, record keeping, financial analysis, statistical analysis, linear programming, and data analysis. Fall 2005 with an enrollment of 68 students.

AGEC 501 – Data Analysis and Optimization.

Analysis of agricultural business and economic data and optimization for decision making. Study applications of regression, time series analysis and forecasting to agricultural and economic data. Introduction to mathematical programming to model optimization of problems commonly encountered in agricultural economics.

AGEC 750 – Economics of Animal Health and Food Safety.

This course provide students with the knowledge and understanding of the economic tools that are becoming essential in decision making for animal health and food safety interventions that range from the individual producer or firm to the national level.

***Washington State University***

EconS 352 – Business Management Economics.

Introduction to the economic concepts, techniques and applications of organizational, marketing, financial, operations, and resource management in a firm. This course develops and applies microeconomic theory to determine optimal business management strategies while considering scarce resources, risk, and competitive market structures. Spring 2013 with an enrollment of 58 students.

**Student Evaluation of Courses Taught at Kansas State University, 2016 - Current**

Course	Semester	Enrollment	Course Mean <sup>a</sup>	Instructor Mean <sup>a</sup>
AGEC 501	Spring 2016	65	3.7	4.3
AGEC 501	Spring 2017	74	3.6	3.9

<sup>a</sup> Students ratings scale: Very High = 5, High = 4, ..., Very Low = 1.

## Student Evaluation of Courses Taught at Colorado State University, 2006 – 2015

Course	Semester	Enrollment	Course Mean <sup>a,b</sup>	Instructor Mean <sup>a,b</sup>
EA 310	Fall 2006	38	3.78	3.97
EA 305	Spring 2007	42	4.09	4.14
EA 310	Spring 2007	63	3.88	3.95
AREC 310	Fall 2007	70	3.99	4.06
AREC 310	Spring 2008	63	3.54	3.73
AGRI 639	Spring 2008	12	4.10	4.24
AREC 310 (distance)	Fall 2008	3	4.14	4.37
AREC 310	Spring 2009	72	4.16	4.24
AREC 510	Spring 2009	11	3.79	4.08
AREC 305	Fall 2009	37	4.09	4.02
AREC 310	Fall 2009	33	4.29	4.35
AREC 310 (distance)	Fall 2009	9	4.30	4.43
AREC 510	Spring 2010	10	4.43	4.61
AREC 305	Fall 2010	32	4.24	4.18
AREC 310	Fall 2010	52	4.17	4.29
AREC 310 (distance)	Fall 2010	5	4.50	4.86
AREC 510	Spring 2011	8	4.38	4.63
AREC 310	Fall 2011	64	3.88	4.19
AREC 310 (distance)	Fall 2011	15	4.20	4.50
AREC 510	Spring 2012	11	4.20	4.50
AREC 310	Spring 2014	80	3.41	3.68
AREC 310 (distance)	Spring 2014	30	4.59	4.82
AREC 605	Spring 2014	5	5.00	4.75
AREC 610	Spring 2014	7	4.67	4.83
AREC 310	Spring 2015	80	3.98	4.20
AREC 310 (distance)	Spring 2015	30	4.86	4.88
AREC 605	Spring 2015	9	4.63	5.00
AREC 610	Spring 2015	9	4.75	5.00

<sup>a</sup> Students ratings scale between 2006 – 2010: Strongly Agree = 5, Agree = 4, Neutral =3, Disagree = 2, Strongly Disagree = 1.

<sup>b</sup> Students ratings scale between 2011 – 2015: Excellent = 5, Above Average = 4, Average =3, Below Average = 2, Poor = 1.

### **Graduate Student Committees**

*Kansas State University*

*Committee Chair:*

Ph.D. Agricultural Economics

Youngjune Kim – Expected Grad.: Spring 2019

Olabisi Ekong – Expected Grad.: TBD

M.S. Agricultural Economics

Michael Apamaku – Expected Grad.: Summer 2018

Matthew Myers – Expected Grad.: Fall 2018

Master of Agribusiness – Distance

Tiffany Holmes – Expected Grad: TBD  
Michael Perez – Expected Grad.: TBD  
Justin Smith – Expected Grad.: TBD  
Adrian Mitchell – Excepted Grad.: TBD  
John Sachse – April 2017  
Tiffany Ligtenberg – April 2017

*Committee Member:*

Master of Agribusiness – Distance

Carl Kass – January 2018  
Darren Blew – December 2016

MS Agricultural Economics

Tanner Aherin – Expected Grad: Summer 2018  
Jiajing Hu – November Fall 2017  
Brian Highfill – December 2016

Other KSU Departments

Dustin Aherin (Ph.D. Diagnostic Medicine/Pathobiology) – Expected Grad.: Spring 2019  
Aurelio Cabezas (Ph.D. Diagnostic Medicine/Pathobiology) – Expected Grad.: Fall 2018

*Outside Chair:*

Jorge Carlos Simroth-Rodriguez (Ph.D. Diagnostic Medicine/Pathobiology) – June 2018  
Kelsey Phelps (Ph.D. Animal Sciences) – April 2017

*Colorado State University*

*Committee Chair (\* denotes Committee Co-Chair):*

M.S. Agricultural & Resource Economics

Reed Larsen\* – “Economic analysis of profitability factors in cattle feeding: Modeling optimal feeding to achieve maximum profitability.” Spring 2017  
Szu-Yin Lee – “Economic Impact of Foot-and-Mouth Disease Mitigation Strategies: A Meta-Regression Analysis.” November 2015.  
Beth Kessler.\* “Hedonic Analysis of Yearling Bull Prices for a Land Grant University: Determining the Value of a Pulmonary Arterial Pressure (pap) Score.” November 2013.  
Madilynne McGuire. “Forecasting Class III Milk Prices in a Volatile Market.” November 2012.  
Ryan Mortensen. “Two Essays on Colorado State University’s Wheat Breeding and Genetics Program.” June 2012.  
Chulgu Cho. “Stock Market Reaction to Animal Disease Outbreaks: An Event Study in Korean Foot-and-Mouth Disease.” May 2012.  
Tyler Cozzens. “Economic Impact of Feral Swine Transmitting Foot-and-Mouth Disease to Livestock in Kansas.” July 2010.  
Brain Greathouse. “Vaccination Strategies for a Foot-and-Mouth Disease Outbreak in Southwest Kansas.” April 2010.



Ph.D. Agricultural & Resource Economics

Jason Holderieath. \* Essays on Feral Swine: Producer Welfare Effects and Spatiotemporal Management of Feral Swine.” July 2017. Initial Employment: Louisiana Tech. University

Vine Mutyasira. \* “Prospects for Sustainable Intensification of Smallholder Farming Systems in Ethiopian Highlands.” March 2017. Initial Employment: University of Zimbabwe

Jada Thompson. “Three Essays on Economics of Highly Pathogenic Avian Influenza.” July 2016. Initial Employment: Kansas State University

Michelle Kibler. “Selected Aspects of the Economics Surrounding Equine Disease.” July 2016. Initial Employment: Illinois State University

Tyler Cozzens. “Essays in the Economic Implications of Select Animal Health and Crop Production Issues.” July 2015. Initial Employment: USDA-Foreign Agricultural Service

*Committee Member:*

Ph.D. Agricultural & Resource Economics

Wenjing Hu – August 2012

M.S. Agricultural & Resource Economics

Yuefeng Zhu – August 2012

Amy Maass – April 2011

Other Departments

Gerald Poppy (Ph.D. Clinical Sciences) – January 2017

Travis Hoffman (Ph.D. Animal Sciences) – September 2015

Travis Arp (Ph.D. Animal Sciences) – September 2012

Jessica Meisinger (Ph.D. Animal Sciences) – March 2012

Ryan Murphy (Ph.D. Animal Sciences) – November 2010

Mitchell Bowling (Ph.D. Animal Sciences) – September 2009

Michael Trouw (M.A. Economics) – December 2014

Russell Bramblett (M.A. Economics) – December 2014

Nicholas Kacher (M.A. Economics) – December 2014

Sophie McKee (M.A. Economics) – December 2014

Matt Elmer (M.A. Economics) – December 2014

William Chomphosy (M.A. Economics) – December 2014

Arpan Ganguly (M.A. Economics) – December 2014

Kevin Crofton (M.A. Economics) – December 2014

Jessica Steger (M.A. Animal Sciences) – September 2014

Megan Webb (M.S. Animal Sciences) – August 2014

Erin Karney (M.S. Animal Sciences) – April 2014

Alex Duvall-Pelham (M.A. Economics) – May 2014

Ferdinand Flagstad (M.A. Economics) – February 2014

Alex Carlson (M.A. Economics) – October 2013

Eliakim Kakpo (M.A. Economics) – October 2013

Anil Bolukogulu (M.A. Economics) – December 2013

Craig Thomas (M.A. Economics) – December 2013

Ignacio Correas (M.A. Economics) – December 2013

Wendy Usrey (M.A. Economics) – December 2013

Ryan Levitt (M.A. Economics) – December 2013  
John Ohakim (M.A. Economics) – December 2013  
Tyler Saxon (M.A. Economics) – December 2013  
David Ward (M.A. Economics) – October 2013  
Michael Roberts (M.A. Economics) – November 2013  
Mallory Emerson (M.S. Animal Sciences) – August 2011  
Filogomes Alves de Carvalho Neto (M.S. Animal Sciences) – March 2011  
Tanner Carpenter (M.S. Animal Sciences) – September 2010  
Cory Pendley (M.S. Animal Sciences) – July 2010  
Sandra Porter (M.S. Animal Sciences) – August 2008  
Kenichi Katoh (M.S. Animal Sciences) – December 2007

*South Dakota State University*

*Committee Member*

Megan Webb (Ph.D. Animal Science) – Expected Grad.: Fall 2017

*University of Manitoba*

*Committee Member:*

Jason Jones (M.Sc. Agribusiness & Agricultural Economics) – July 2010

**Post-Doctoral Fellow advised**

Jada Thompson, 2016 – 2017. Initial Employment: University of Tennessee.

**Advising/Mentoring**

***Undergraduate Students***

Academic advisor for 20 – 25 Undergraduate Advisees annually, 2006-2012

Joanna Shefferd (Honor Thesis, Committee Chair). “Irish Beef Industry: A Reflection and a Recommendation.” December 2011.

Sarah Clark (Honor Thesis, Committee Chair). “Selling the \$10,000 Bull – A Plan for Marketing Seedstock Beef Cattle.” December 2010.

Lance Pfeiff (Honor Thesis, Committee Chair). “Trends in the Colorado Horse Industry: A Brief Survey and Analysis.” May 2009.

**AFFILIATIONS**

Agricultural & Applied Economics Association (since 2003)

Southern Agricultural Economics Association (since 2003)

Western Agricultural Economics Association (since 2003)

Gamma Sigma Delta (since 2005)