

CURRICULUM VITAE

NAME

Hoag, Dana Loyd Keske

ADDRESS

Agricultural and Resource Economics
College of Agricultural Sciences

Clark Building

PHONE

(970) 491-5549

EDUCATION

BS, COLO STATE UNIV

MS, COLO STATE UNIV

Ph D, WASHINGTON STAT

1984 Ph D, WASHINGTON STATE

SABBATICALS

(2005) Varied, Spend 1 semester at Lincoln University, New Zealand

(2014) Varied- Tecnologico de Costa Rica University in Cartago, Enhance international program in East Africa for Feed the Future Grant, and initiate new contacts for research on 3 month stay at Tecnologico de Costa Rica University in Cartago

OTHER POSITIONS

1996 - Present Professor, DARE, Colorado State University.

August 1993 - 1996 Associate Professor, DARE, Colorado State University.

October 1984 - August 1993 Associate Professor, DARE, North Carolina State University.

September 1988 - September 1989 Agricultural Resource Policy Analyst, EPA, Office of Policy, Planning and Evaluation, Environmental Resources Branch.

Director

PUBLISHED WORKS

Books

How to Build Better Agricultural Conservation Programs to Protect Water Quality. The NIFA-CEAP Experience, Soil and Water Conservation Society, Ankeny, Iowa (ISBN: 978-0-9769432-9-7).

Refereed Journal Articles

Advances in ration formulation for beef cattle through multiple objective decision support systems. *Am J Agr Econ*, 81, 291-298.

Adverse Selection of Subsidized Crop Insurance in China. *China Agricultural Economic Review*, 3(4), 462-475.

Agricultural Producers, the Environment: A Stated Preference Analysis of Colorado Corn Producers. *Canadian J of Agricultural Economics*, 18-Jan.

An economic evaluation of the Conservation Reserve Program's impacts on wind erosion in the West. *J Agr Resour Econ*, 20, 396-397.

Are Agricultural PACs Monolithic? An Empirical Investigation of Political Contributions from Agricultural Subsectors. *American Journal of Economics and Sociology*, 70(1), 210-237.

Are There Gender Differences in Ag Producer Risk Preferences? *J Agr Resour Econ*, 33, 502-502.

Choices for the CRP. *J Agr Resour Econ*, 20, 396-396.

Computer use and satisfaction by Great Plains producers. *Agron J*, 94, 1263-1269.

Computer use in agriculture. *Comput Electron Agr*, 23, 189-204.

Continuum of Risk Analysis Methods to Assess Tillage System Sustainability at the Experimental Plot Level. *Sustainability*, 3, 1035-1063.

Cooperative solutions to open access competition for land among municipalities. *J Agr Resour Econ*, 25, 725-725.

Disparate Stakeholder Management: The Case of Elk and Bison Feeding in Southern Greater Yellowstone. *Society & Natural Resources (submitted online, considered for publication)*.

Economic and stochastic efficiency comparison of experimental tillage systems in corn and soybean under risk. *Journal of Experimental Agriculture*, 47(1), 111-136.

Economic performance of exotic dairy cattle under smallholder conditions in the marginal zones of Kenya using three analytical approaches. *Agrekon*, 49, 56-79.

Economic principles for saving the cooperative extension service. *J Agr Resour Econ*, 30, 397-410.

Economics of variable swine growth. *J Agr Resour Econ*, 26, 562-562.

Factors Affecting Land Trusts' Demand for Conservation Easements. *Journal of Regional Analysis and Policy Special Issue on Market-based Environmental Management*, 42(2), 88-103.

Factors Impacting Agricultural Landowners' Willingness to Enter into Conservation Easements: A Case Study. *Society and Natural Resources: An International Journal*, 24(1), 65-74.

Factors Impacting the Potential Supply of and Demand for Development Rights in the Emerging Market for Conservation Easements. *J Agr Resour Econ*, 33, 506-506.

Identifying Influential Factors for Colorado and Wyoming Landowners Regarding Conservation Easement Acceptance. *J Agr Resour Econ*, 34, 540-540.

Improving Conservation Practices Programming to Protect Water Quality in Agricultural Watersheds: Lessons Learned from the National Institute of Food and Agriculture Conservation Effects Assessment Project. *J Soil*

and Water Conservation, 67(5), 1221-127A.

Is US soil conservation policy a sustainable development? *J Agr Resour Econ*, 25, 127-142.

Landowner Preferences for Conservation Easements: Responses from Two Intermountain States. *J of Farm Managers and Rural Appraisers*, 98-111.

Optimizing in the presence of variable growth paths in livestock. *J Agr Resour Econ*, 27, 580-580.

Political and economic factors affecting agricultural PAC contribution strategies. *Am J Agr Econ*, 81, 397-407.

Pressures and preferences affecting willingness to apply beef manure on crops in the Colorado High Plains. *J Agr Resour Econ*, 29, 461-480.

Returns to market timing and sorting of fed cattle. *J Agr Resour Econ*, 25, 722-722.

Risk management education in the West using Right Risk. *J Agr Resour Econ*, 28, 659-659.

Risk Navigator SRM: An Applied Risk Management Tool. *J of Probability and Statistics*, Article ID 214358.

Simulating landscape catena effects in no-till dryland agroecosystems using GPFARM. *J Agric Sys*, 103(8), 569-584.

The effect of landowner amenity rents in conservation easement policies. *Environmental Economics Journal*, 2(3), 120-127.

The intertemporal impact of soil erosion on non-uniform soil profiles. *Agr Syst*, 56, 415-429.

The relationship between conservation and sustainability. *J Soil Water Conserv*, 51, 292-295.

Hoag, D. L. K. (2016). Is control through utilization a cost effective *Prosopis juliflora* management strategy? *J. of Environmental Management*.

Hoag, D. L. K. (2015). Abatement costs of soil conservation in China's Loess Plateau: Balancing income with conservation in an agricultural system. *Journal of Environmental Management*.

Hoag, D. L. K. (2015). Camel Brucellosis: Its Public Health and Economic Impact in Pastoralists, Meholi District, Southeastern Tigray,. *Journal of Microbiology Research*.

Hoag, D. L. K. (2015). Household preferences and willingness to pay (WTP) for freshwater quality improvement in Pakistan's Swat River Valley. *Environmental, Development and Sustainability*.

Hoag, D. L. K. (2015). Iranian Farmers' Willingness To Improve Water Quality In The Zayande River. *International Journal of Development Research*.

Hoag, D. L. K. (2015). Medicated *Prosopis* spp -based feed blocks- for antihelmintic efficacy and performance of weaner lambs. *Livestock Research for Rural Development*.

Hoag, D. L. K. (2015). The Adaptive and Coping Strategies of Pastoralists to Climate Change in Baringo, Laikipia and Nyeri Counties of Kenya. *Journal of Environment Natural Resources Management and Society*.

Hoag, D. L. K. (2015). The status of improved beekeeping technologies as resource diversification for addressing climate change risks in Kajiado county, Kenya: constraints and opportunities. *Livestock Research for Rural Development*.

- Hoag, D. L. K. (2015). Abatement costs of soil conservation in China's Loess Plateau: Balancing income with conservation in an agricultural system. *Journal of Environmental Management*.
- Hoag, D. L. K. (2014). Supplementary feeding of lactating goats with processed and none processed Acacia tortilis pods and local grass in the dry season in northern Kenya. *Agricultural Science Research Journal*.
- McCulloch, K., Hoag, D. L. K., Parsons, J., Lacy, M., Seidel, G. E., Wailes, W. R. (2013). Factors affecting economics of using sexed semen in dairy cattle. *Journal of Dairy Science*, 96(10), 6366-6377.
- Hoag, D. L. K. (2011). A Strategic Risk Management Program for Agriculture. *China Agricultural Economic Review*, 3(4), 505-517.
- Hoag, D. L. K. (2011). Adoption of Conservation Easements among Agricultural Landowners in Colorado and Wyoming: The Role of Economic Dependence and Sense of Place Landscape and Urban Planning. *Landscape and Urban Planning*, 101, 75-83.
- Hoag, D. L. K. (2011). Improving Extension by Learning from Outstanding County Agents. *J of Extension, Feature Articles*, 4FEA2, 49(4).
- Hoag, D. L. K. (2011). Using Mixed Methods Research in Environmental Economics: The Case of Conservation Easements. *International Journal of Mixed Methods in Applied Business and Policy Research*, 1(1).
- Hoag, D. L. K. (2011). Valuing Ecosystem And Economic Services Across Land-Use Scenarios In The Prairie Pothole Region Of The Dakotas. *Ecological Economics*, 70, 1715-1725.
- Hoag, D. L. K. (2010). Measurement of economic efficiency for smallholder exotic dairy cattle in the marginal zones of Kenya. *J of Development and Agricultural Economics*, 2(4), 122-137.
- Hoag, D. L. K. (2007). Accounting for risk and stability in technology adoption. *Can J Agr Econ*, 55, 365-379.
- Hoag, D. L. K. (2004). A review of mathematical programming models of irrigation water values. *Water Sa*, 30, 287-292.
- Hoag, D. L. K. (2000). Will farmers use computers for resource and environmental management? *J Soil Water Conserv*, 55, 456-462.
- Hoag, D. L. K. (1998). A dynamic economic analysis of nitrate leaching in corn production under nonuniform irrigation conditions. *Am J Agr Econ*, 80, 397-408.
- Hoag, D. L. K. (1996). Who pays for hazard analysis and critical control points? *J Appl Anim Res*, 17, 197-200.
- Non-Refereed Journal Articles**
- Influence of Institutional and Socio-Economic Factors on the Supply Response of Smallholder Dairy Farms in the Marginal Zones of Kenya. *Journal of International Development*, 22, 19-Jan.
- Hoag, D. L. K. (in press). Investigation of Soil Conservation Sustainability using a Dynamic Modeling Approach. *Agroecology and Sustainable Food Systems*.
- The Cost for Agriculture to Coexist With Wildlife In Colorado. *Human Dimensions of Wildlife*, 16(5), 318-329.
- Hoag, D. L. K. (in press). Towards a Synthesis: Lessons from the Thirteen CEAP Projects. *Society & Natural Resources*.
- Hoag, D. L. K. (2014). Sustainable Value of Degraded Soils in China's Loess Plateau: An Updated Approach.

Ecological Economics, 20-27.

- Hoag, D. L. K. (2014). Chemical Composition of Cactus (*Opuntia ficus-indica*) and *Prosopis* Species (*Prosopis juliflora*) as Drought-resilient Feed Resources in Kenya. *Journal of Environment Natural Resources Management and Society*.
- Hoag, D. L. K. (2014). Small Ruminant Production System Efficiency under Abu-Dhabi, United Arab Emirates Arid Land Conditions. *Agriculture*.
- Hoag, D. L. K. (2014). Improving Nitrogen Use Efficiency in Crop and Livestock Production Systems. *Journal of Environmental Quality*.
- Hoag, D. L. K. (2014). Greenhouse gas Mitigation Potential of Biochar and Bentonite in Urea-treated Maize Stover-Based Feed Blocks By Dairy Steers. *East African Agricultural and Forestry Journal*.
- Hoag, D. L. K. (2014). Women's workload and role in livestock production in pastoral and agro-pastoral communities of Ethiopia: The case of Afar. *Journal of Agricultural Economics and Rural Development*.
- Hoag, D. L. K. (2014). Carbon stocks in semi-arid pastoral ecosystems of northern Kenya. *Pastoralism: Research, Policy and Practice*.
- Hoag, D. L. K. (2014). Toward a Synthesis: Lessons from Thirteen Cropland Watershed-Scale Studies. *Toward a Synthesis: Lessons from Thirteen Cropland Watershed-Scale Studies*.
- Hoag, D. L. K. (2014). Sustainable Value of Degraded Soils in China's Loess Plateau: An Updated Approach. *Ecological Economics*.
- Hoag, D. L. K. (2013). A Mixed Discrete-Continuous Variable Multiobjective Genetic Algorithm for Targeted Implementation of Nonpoint Source Pollution Control Practices. *Water Resources Research*.
- Hoag, D. L. K. (2013). Factors Affecting Economics Of Using Sexed Semen In Dairy Cattle. *Journal of Dairy Science*, 96(10).
- Hoag, D. L. K. (2013). Using response surface methodology for economic and environmental trade-offs at the farm level. *J. Air, Soil and Water Research*, 76-89.
- Hoag, D. L. K. (2013). Is it economically feasible for farmers to grow their own fuel? A study of *Camelina sativa* produced in the western United States as an on-farm biofuel. *Biomass and Bioenergy*, 54, 89-99.
- Weiler, S. A., Hoag, D. L. K., Fan, C.-M. (2006). Prospecting for economic returns to research: Adding informational value at the market fringe. *Journal of Regional Science*, 46(2), 289-311.

Non-Refereed Chapters in Books

- Hoag, D. L. K. Agriculture and sustainable practices: protecting water quality. *Water Sustainability in Agriculture* Eaglesham, A., K. Korth, R.W.F. Hardy, Eds. National Agricultural Biotechnology Council.
- Lessons Learned from the NIFA-CEAP: Conservation Practice Implementation and Adoption to Protect Water Quality*. NC State University, Raleigh, NC http://www.soilncsuedu/publications/NIFACEAP/Factsheet_2pdf.
- Lessons Learned from the NIFA-CEAP: Effective Education to Promote Conservation Practice Adoption*. NC State University, Raleigh, NC http://www.soil.ncsu.edu/publications/NIFACEAP/Factsheet_4.pdf.
- Lessons Learned from the NIFA-CEAP: How Farmers and Ranchers Make Decisions on Conservation Practices*.

NC State University, Raleigh, NC http://www.soilncsuedu/publications/NIFACEAP/Factsheet_3pdf.

Lessons Learned from the NIFA-CEAP: Identification of Critical Source Areas. NC State University, Raleigh, NC http://www.soilncsuedu/publications/NIFACEAP/Factsheet_7pdf.

Lessons Learned from the NIFACEAP: Insights for Developing Successful Agricultural Watershed Projects. NC State University, Raleigh, NC.

Lessons Learned from the NIFACEAP: Water Quality Monitoring for the Assessment of Watershed Projects. NC State University, Raleigh, NC http://www.soilncsuedu/publications/NIFACEAP/Factsheet_5pdf.

Protecting Water Quality in Agricultural Watersheds: Lessons Learned from the National Institute of Food and Agriculture's Conservation Effects Assessment Project. NWQEP Notes, North Carolina State University, Cooperative Extension Service, Raleigh.

Hoag, D. L. K. (2015). *Mitigation Banking Potential for Nutrient Management.* CSU.

Hoag, D. L. K. (2012). *Locally Led Efforts to Protect Water Quality in Agricultural Watersheds : A national slide set developed from the NIFA CEAP for farmer-led watershed organizations.* <http://www.nrcs.usdagov/wps/portal/nrcs/detail/national/technical/nra/ceap/?cid=stelprdb1047821>.

Hoag, D. L. K. (2011). *Understanding land trusts and factors impacting their demand for conservation easements: Survey results from the intermountain West.* University of Wyoming Cooperative Extension Service, B=1225, Laramie.

Hoag, D. L. K. (2010). *Wolves at your door: A closer look at the controversy.* Western Center for Integrated Resource Management, Colorado State University WCIRM-2010-1 March.

Research Report

Hoag, D. L. K. *Dynamics of land-use change and conservation in the Prairie Pothole Region of the United States—Environmental and economic implications with linkages to rural community well-being.* U.S. Geological Survey Professional Paper 1800, 65 p. <http://pubs.usgs.gov/pp/1800/>

Hoag, D. L. K. *Wyoming Landowners Characteristics and Preferences Regarding Conservation Easements: Results from a Survey.* Wyoming Agricultural Experiment Station Bulletin B-1241. http://www.wyomingextension.org/publications/Search_Details.asp?pubid=1825

Hoag, D. L. K. (2015). *Socio-Economic and Institutional Lessons. In Grazing Lands, Livestock And Climate Resilient Mitigation In Sub-Saharan Africa: Part Ii. Experiences From The Field..* USAID.

Software

Pearson, C. H., Hoag, D. L. K. (2014). *Western Colorado Perennial Grass and Biomass Budget Generator.* (vol. TR14-03). Fort Collins: Agricultural Experiment Station and Extension.

USGS Fact Sheet

Hoag, D. L. K. *Land-use change, economics, and rural well-being in the Prairie Pothole Region of the United States.* U.S. Geological Survey Fact Sheet 2013–3046, 6 p., <http://pubs.usgs.gov/fs/2013/3046>

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

2015, "Effects of clipping frequency and irrigation amount on grass carbon sequestration potential: implications for climate change mitigation and food security", 2d International Conference on Global Food Security,

peer-reviewed/refereed.

- 2015, "Responses of native grass species to rangeland's stressors: implications for ecosystem services and functions", Ecology for a Sustainable Future, " 45th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland.
- 2015, "Water Quality Trading: Economics. In "You are in Jordan Lake Watershed: Regulation, Agriculture, Water Quality, and Trading", Fellows Policy Forum, Soil and Water Conservation Society,
- 2015, "Losing the West: This land is our land.", Panelist for CSU Screening and post discussion.
- 2015, "Project 5: Effective Incentives and Viable Trans-Sector Trading Strategies.", Presentation at CLEAN stakeholder meeting.
- 2015, "Socio-Economics that Drive Producers' Decisions.", Presented in the Marketing to Sell the Program Segment, Focusing Partnerships to Improve Water Quality, 2015 Nonpoint source pollution and water quality meeting, EPA/States/NRCS/State ACD.
- 2015, "Science Meets Policy: A Case Study from a Regulated Watershed, Jordan Lake, North Carolina", Presented Interdisciplinary Conference on Land Use and Water Quality, LAND USE AND WATER QUALITY: Agricultural Production and the Environment.
- November 18, 2014, "Socio-economic and institutional influence on carbon sequestration in grasslands/rangelands", Grasslands, Rangelands, Livestock and Climate Resilient Mitigation Workshop, Feed the Future Innovation Lab, CSU.
- October 30, 2014, "Chemical composition of Cactus species and Prosopis juliflora as Drought-resilient feed resources in Kenya", 6th All Africa Conference on Animal Agriculture, Nairobi, Kenya, peer-reviewed/refereed.
- October 29, 2014, "Carbon sequestration in a semi-arid pastoral ecosystem of northern Kenya", 6th All Africa Conference on Animal Agriculture, Nairobi, Kenya, peer-reviewed/refereed.
- October 29, 2014, "Women workload and their roles in livestock production in pastoral and agro-pastoral communities of Ethiopia: case of Afar", 6th All Africa Conference on Animal Agriculture, Nairobi, Kenya, peer-reviewed/refereed.
- October 28, 2014, "Implications of constrained mobility on livestock production and pastoral livelihoods of Borana Plateau, Southern Ethiopia", 6th All Africa Conference on Animal Agriculture, Nairobi, Kenya, peer-reviewed/refereed.
- October 28, 2014, "How to Publish in Professional Journals", Univ of Nairobi, Kenya.
- October 27, 2014, "Dry season supplementation of lactating Small East African goats using processed and none processed Acacia tortilis and local grass in Northern Kenya", 6th All Africa Conference on Animal Agriculture, Nairobi, Kenya, peer-reviewed/refereed.
- October 24, 2014, "East African Pastoralism: Results From 13 Studies Sponsored by the Feed the Future Innovation Lab for Research on Adapting Livestock Systems to Climate Change", Feed The Future Innovation Lab USAID, Addis Ababa, Ethiopia.
- October 24, 2014, "How to Publish in Professional Journals", Feed the Future Workshop, ILRI, Addas Ababa, Ethiopia.
- September 27, 2014, "Feasibility of biogas digesters in rural farm households: Evidence from cattle producers in

- the Tigray Region of Northern Ethiopia", Feasibility of biogas digesters in rural farm households: Evidence from cattle producers in the Tigray Region of Northern Ethiopia, Nairobi, Kenya, peer-reviewed/refereed.
- August 25, 2014, "Simulating Best Management Practices (BMPs) for Decreasing Selenium in the Lower Arkansas River Valley.", Lower Arkansas River Valley field day, Rocky Ford, CO.
- August 14, 2014, "Research in East Africa by the Feed the Future Innovation Lab: Adapting livestock to climate change", Visiting Iranian Delegation, Animal Science, to CSU, CSU, CSU.
- July 15, 2014, "Calculating Innovation Premium of Water Quality Trading for Jordan Lake, NC", AAEA, Minniapolis, MN, peer-reviewed/refereed.
- June 27, 2014, "Institutional and Economic Complications of River Basin Water Quality Management: The Case of Selenium in Colorado's Lower Arkansas River Valley", AAEA, Minneapolis, MN, peer-reviewed/refereed.
- June 27, 2014, "An Economic Inquisition of When Water Quality Trading Works", WAEA, Colorado Springs, CO, peer-reviewed/refereed.
- June 25, 2014, "Dynamically Optimal versus Institutionally Attainable: The Implications of Use-Based Rights for Externality Mitigation", WAEA, Colorado Springs, CO, peer-reviewed/refereed.
- June 20, 2014, "Conservation Practice Effectiveness and Producer Adoption Behavior in the Jordan Lake Watershed (North Carolina)", North Carolina Soil Science Society Meeting, North Carolina.
- March 15, 2014, "Resistance, Reticence, and Reckoning: Agricultural landholders and decision-making about conservation and nutrient trading", 74th Annual Meeting of the Society for Applied Anthropology, Albuquerque, NM, peer-reviewed/refereed.
- March 10, 2014, "Calculating Innovation Premium of Water Quality Trading for Jordan Lake, NC", Hydrology Days, CSU, peer-reviewed/refereed.
- February 26, 2014, "Women workload and their roles in livestock production in pastoral and agro-pastoral communities of Ethiopia: Case of Afar", Second National Conference on Pastoralism, Jigjiga University, Ethiopia, peer-reviewed/refereed.
- January 15, 2014, "Supplementing Landless Poor Via Hillside Conservation in Tigray", Japan International Research Center for Agricultural Sciences, Ethiopia.
- November 12, 2013, "Greenhouse gas Mitigation Potential of Biochar and Bentonite in Urea-treated Maize stover-based feed blocks by dairy steers", 1st EAAPP-Mini Scientific conference, Kenyan Ag Research Institute, Kenya, peer-reviewed/refereed.
- November 12, 2013, "Exploring BMPs for Decreasing Selenium in the Stream-Aquifer System of Colorado's Lower Arkansas River Valley", Annual Meeting, American Water Resource Association, Portland, OR, peer-reviewed/refereed.
- November 12, 2013, "Institutional and Economic Complications of River Basin Water Quality Management: The Case of Selenium in Colorado's Lower Arkansas River Valley", Annual Meeting, American Water Resource Association, Portland, OR, peer-reviewed/refereed.
- October 1, 2013, "Ecosystems Management: Native Grasslands in The Prairie Potholes", Strum Law School, University of Denver, Denver.
- September 22, 2013, "Economics and Development", Strum Law School, University of Denver, Denver.

- September 15, 2013, "Risk Management: RightRisk Simulation", Strum Law School, University of Denver, Denver.
- August 5, 2013, "Effects of Different Agricultural Practices on Sustainable Soil Use in the Loess Plateau of China", Sustainable Natural Resource Management in Rural China – Governing markets?, Chinese Government, Nanjang, China, peer-reviewed/refereed.
- July 23, 2013, "Conservation Practice Effectiveness and Producer Adoption Behavior", Resilient Landscapes: planning for Flood, Drought and Fire meeting, 68th International Annual Conference of the Soil and Water Conservation Society, Reno, NV, peer-reviewed/refereed.
- July 5, 2013, "Farmers Willingness to Adopt a Riparian Buffer Zone for Improving Water Quality in Iran: A case study of the Zayande rood River", Annual Meeting, Western Agricultural Economics Association, Monterey, CA, peer-reviewed/refereed.
- June 24, 2013, "Farmers Willingness to Adopt a Riparian Buffer Zone for Improving Water Quality in Iran: A case study of the Zayande Rive", Annual Meeting, Society of Ecological Economics, Burlington, VT, peer-reviewed/refereed.
- April 11, 2013, "Risk Navigator SRM; Building Risk Management Education", Workshop, United Arab Emerites University, (Presenter) Hoag, D. L. K., Ain, UAE.
- March 13, 2013, "Professional Development: Publishing and Presentations", All Scientist Meeting, USAID, Addis Ababa, Ethiopia.
- February 5, 2013, "Risk Navigator", Seminar, Department of Agricultural and Resource Economics, North Carolina State University, Raleigh, NC.
- January 16, 2013, "Risk Navigator", Seminar, Department of Agricultural and Applied Economics, University of Georgia, Athens, GA.
- 2012, "1.Hoag, Dana. What is Ag Policy and why is it Important? Presentation to the Ag Forum, College of Agriculture, Colorado State University, March 6, 2012".
- 2012, "Brandass, A., C. Keske, D. Hoag and C. Pearson. 2012. Profitability of Camelina Sativa as a Biofuel Feedstock in Northeastern Colorado." Presentation at the annual meetings of the Western Agricultural Economics Association, June 20-22, in Park City Utah".
- 2012, "C.Keske, Brandess, A., Hoag, D., and Pearson, C. 2012. "Economic Feasibility of Bio-Butanol On Marginal Agricultural Lands in Western Colorado." Poster prepared for presentation at the Agricultural & Applied Economics Association's 2012 AAEA Annual Meeting, Seattle, Washington, August 12-14, 2012".

2012, "Deanna Osmond, Donald W. Meals, Dana Hoag, Mazdak Arabi, A.E. Luloff, Greg Jenning, Mark McFarland, Jean Spooner, Andrew Sharpley and Daniel Line. September 2012. Conservation Practices and Water Quality: The NIFA-CEAP Experience, Special presentation to Chief of the Natural Resource Conservation Service, Washington, D.c."

2012, "Evans, S. D. Hoag. 2012. The U.S. Renewable Fuels Program: A Global Welfare Decomposition. Selected paper presentation, Annual meetings of the Western Agricultural Economics Association, Park City, Utah, June 20-21".

2012, "Evans, S., D. Hoag, R. Sands and J. Beckman. 2012. Unintended Consequences of the U.S. Bioenergy Program: Tradeoffs in Global Agricultural and Energy Commodity Markets. Presentation at the annual meetings of the Agricultural and Applied Economics Association, August, Seattle, Washington".

2012, "Hou, Lingling and Dana Hoag. 2012. Dynamic Impacts on Food Security from Soil Erosion in China. Presentation at the annual meetings of the Agricultural and Applied Economics Association, Chinese Special Section. August, Seattle, Washington".

2012, "Hou, Lingling, Dana Hoag and Mazdak Arabi. 2012. A National Assessment of the Long-term Productivity Impacts from Soil Erosion in China. Selected paper presentation, Annual meetings of the Western Agricultural Economics Association, Park City, Utah, June 20-21".

2012, "Osmond, D., D. Meals, D. Hoag, M. Arabi, A. Luloff, G. Jennings, M. McFarland, J. Spooner, A. Sharpley, and D. Line. 2012. Conservation Effects Assessment Projects/NIFA Watershed Synthesis Project. Board on Agriculture and Natural Resources (BANR). Washington, DC."

2012, "Osmond, D., D. Meals, D. Hoag, M. Arabi, A. Luloff, G. Jennings, M.

McFarland, J. Spooner, A. Sharpley, and D. Line. 2012. Developing next generation conservation practice effectiveness. USDA NIFA Water Conference, Portland OR."

2012, "Osmond, D., D. Meals, D. Hoag, M. Arabi, A. Luloff, G. Jennings, M. McFarland, J. Spooner, A. Sharpley, and D. Line. 2012. USDA's NIFA CEAP Synthesis: Lessons Learned. USEPA Watershed Academy Webcast, May 15, 2012."

2012, "Osmond, D., D. Meals, D. Hoag, M. Arabi, A. Luloff, G. Jennings, M. McFarland, J. Spooner, A. Sharpley, and D. Line. 2012. Learning from NIFA CEAP: Water Quality Monitoring and Modeling. Annual Soil and Water Conservation Society Meeting, July 22-25."

2012, "Osmond, D., D. Meals, D. Hoag, M. Arabi, A. Luloff, G. Jennings, M. McFarland, J. Spooner, A. Sharpley, and D. Line. 2012. Lessons Learned from NIFA CEAP. Special Presentation, Annual Soil and Water Conservation Society Meeting, July 22-25."

2012, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, J. Spooner, D. Line, M. McFarland, and A. Sharpley. 2012. Conservation Practices and Water Quality: The NIFA-CEAP Experience. ASA, CCSA, SSSA Annual Meeting. Cincinnati, OH.(poster".

2012, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, J. Spooner, D. Line, M. McFarland, and A. Sharpley. 2012. The NIFA-CEAP Synthesis and Lessons Learned for Conservation-Water Quality Projects. 20th Annual Nonpoint Source Monitoring Workshop. Tulsa, OK."

2012, "Osmond, D.L. 2012. Accounting for Agricultural Progress at the Watershed Scale. The NC Forum on Nutrient Over-Enrichment. May 26-27, 2012. Raleigh, NC."

2012, "Osmond, Deanna, Dana Hoag et

al. Analysis of Conservation Practice Effectiveness and Producer Adoption Behavior in the Lake Jordan Watershed (North Carolina). Paper ID 8 in conference track "Water Resources Research, Education, and Outreach (NIFA Land Grant/Sea Grant 406 and NRI)".

2011, "Bastian, C., D. Hoag and others. 2011. Land Trusts' Demand for Conservation Easements in the Intermountain West" Presented at the annual meeting for the Western Agricultural Economics Association, Banff, Canada, July 1.", peer-reviewed/refereed.

2011, "Hoag, D. 2010. Using RightRisk NavigatorSRM for small farm decisions. Presented at the Arizona Navaho Reservation, June, 2010."

2011, "Hoag, D. 2011. An introduction to the Adapting Livestock Systems to Climate Change CRSP. AES Research Center Conference, January 13. Fort Collins, Colorado".

2011, "Hoag, D., A. Luloff, and D. Osmond. 2011. Adopting and Sustaining Conservation: Effective Outreach. 2011 Land and Sea Grant Water Conference, Washington, DC."

2011, "Hoag, D., D. Osmond, D. Meals, A. Luloff, M. Arabi, M. McFarland, G. Jennings, A. Sharpley, J. Spooner, and D. Line. 2011. How Effective Are National Soil Conservation Programs? Presented at the annual meeting for the Western Agricultural Economics Association, Banff, Canada, July 1.", peer-reviewed/refereed.

2011, "Meals, D., D. Osmond, D. Hoag, M. Arabi, G. Jennings, M. McFarland, A. Sharpley, J. Spooner, D. Line, and A. Luloff,. 2011. Documenting the Effects of Conservation: Monitoring and Modeling. 2011 Land and Sea Grant Water Conference, Washington, DC.", peer-reviewed/refereed.

2011, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, M. McFarland, J. Spooner, A. Sharpley, D. Line. 2011. Controlling Phosphorus: Lessons Learned from NIFA-CEAP

Projects. SERA-17 Annual Meeting, Del Ray, FL.", peer-reviewed/refereed.

2011, "Osmond, D.L., A.E. Luloff, and D. Hoag. 2011. Farmers Perspectives vs Agency Perspectives: the NIFA-CEAP Key Informant Interview. 2011 Annual Soil and Water Conservation Society Conference. Washington, DC (oral)".

2011, "Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, M. McFarland, A. Sharpley, J. Spooner, and D. Line. 2011. Controlling Nutrients and Sediment in Agriculture Watersheds: Lessons Learned from the CEAP Watershed Studies. US EPA Office of Water, Washington, DC".

2011, "Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, M. McFarland, A. Sharpley, J. Spooner, and D. Line. 2011. Invited Keynote Speaker. Can Conservation Practices Protect Water Quality: Lessons Learned from the USDA-NIFA CEAP Project. 2011 Kansas Watershed Restoration and Protection Strategy Conference. April 26, 2011, Junction City, KS."

2011, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, M. McFarland, A. Sharpley, J. Spooner, and D. Line. 2011. Targeting Vulnerable Landscapes: Land Treatment and Modeling. 2011 Land and Sea Grant Water Conference, Washington, DC.", peer-reviewed/refereed.

2011, "Woods, B.R., A.E. Luloff, D.L. Osmond, and D. Hoag. 2011. Towards a Synthesis: Lessons from the 13 CEAP Projects. Annual ISSRM Meeting, June 4-8, 2011. Madison, WI. (oral)", peer-reviewed/refereed.

2010, "Gascoigne, Billy, Dana Hoag, Lynne Koontz. 2010. Valuing Ecosystem and Economic Services across Land-Use Scenarios in the Prairie Potholes 2010 ACES, December 6-9, 2010 in Phoenix, Arizona, USA."

2010, "Hoag, D. Risk Navigator: A strategic Risk Management Program, Chinese Agricultural University, Beijing, China June 2010".

2010, "Hoag, D. 2010. Navigator-Strategic Risk Management. Invited presentation at the Agricultural Risk and Food Security conference, Beijing, June", peer-reviewed/refereed.

2010, "Hoag, D. A. Luloff and D. Osmond. 2010. NIFA-CEAP key information survey results. Land Grant and Sea Grant National Water Conference, February 21-25, Hilton Head, South Carolina".

2010, "Hoag,D., R. Boone and C. Keske. The agricultural cost to support wildlife in Colorado".

2010, "Hou, Lingling, D. Hoag and Y. Mu. 2010. Adverse Selection of Crop Insurance in Miyun County. Presented at the annual conference of the Chinese Economists Society, Xiamen, China."

2010, "Hou, Lingling, D. Hoag and Y. Mu. 2010. Testing the Existence of Adverse Selection in Subsidized Crop Insurance Markets in China. Presented at the Agricultural, International Conference on Agricultural Risk and Food Security, Beijing, China, June 10-13".

2010, "Luloff, A., D. Hoag, D. Osmond. CSREES-CEAP Key Informant Results. 2010 USDA Water Conference. Hilton Head, SC."

2010, "McGaffin, G., C. T. Bastian, P. Dewell, C. M. Keske, C. West, D. L. Hoag, and D. M. McLeod. Do Landowners Trust Land Trusts? Debunking Myths on Landowner Conservation Easement Preferences. Selected workshop presentation. The National Land Conservation Conference. October 2-5, 2010. Hartford Connecticut. (Presented by McGaffin, Bastian, Dewell, and West)."

2010, "Measuring Conservation Effectiveness Across Agricultural Landscapes."

2010, "Osmond, D. Luloff, A., D. Hoag. 2010. NIFA-CEAP Key Informant Interviews: What We Learned. USDA CEAP Steering Committee. Washington, DC."

2010, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, A. Sharpley, M. McFarland, J. Spooner, D. Line. 2010. CSREES-CEAP Synthesis: Preliminary Lessons on Protecting Water Quality. 2010 Annual Soil and Water Conservation Society Conference. St. Louis, MO."

2010, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, A. Sharpley, M. McFarland, J. Spooner, D. Line. Developing Lessons Learned from the 13-CSREES CEAP projects. 2010 USDA Water Conference. Hilton Head, SC."

2010, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, A. Sharpley, M. McFarland, J. Spooner, D. Line. Developing Lessons Learned from the 13-CSREES CEAP projects. 2010 USDA Water Conference. Hilton Head, SC."

2010, "Osmond, D., D. Meals, M. Arabi, D. Hoag, A. Luloff, G. Jennings, M. McFarland, A. Sharpley, J. Spooner, D. Line. 2010. Landscape-scale Conservation Projects: CEAP, A Case Study. Managing Ag Landscapes II, Denver, CO".

2010, "Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, A. Sharpley, G. Jennings, M. McFarland, J. Spooner, D. Line. 2010 - June. Briefing to Chief White of NRCS on Lessons Learned, Washington, DC."

2010, "Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, A. Sharpley, G. Jennings, M. McFarland, J. Spooner, D. Line. 2010 - May. Briefing to NRCS on Lessons Learned, Washington, DC."

2010, "Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, A. Sharpley, G. Jennings, M. McFarland, J. Spooner, D. Line. 2010. Briefing to NRCS on Lessons Learned, Washington, DC.- May."

2010, "Osmond, D.L., D.L., D. Meals, M. Arabi,
D. Hoag, A. Luloff, A.
Sharpley, D. Line, G. Jennings,
M. McFarland, and J. Spooner.
2010. Conservation Practice
Effectiveness and Water Quality.
2010 WRRI Iowa Conference, Ames,
IA.".

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Summer	AREC799 - Dissertation	18	1
2016	Spring	AREC478 - Agricultural Policy	3	37
2016	Spring	AREC799 - Dissertation	18	8
2016	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	20
2015	Fall	AREC478 - Agricultural Policy	3	35
2015	Fall	AREC799 - Dissertation	18	6
2015	Fall	ECOL799 - Dissertation	18	26
2015	Fall	HONR192 - Honors First Year Seminar	4	18
2015	Fall	AREC699 - Thesis	18	2
2015	Spring	AREC705 - Advanced Production and Technological Change	2	4
2015	Spring	AREC478 - Agricultural Policy	3	38
2015	Spring	AREC478 - Agricultural Policy	3	16
2015	Spring	ECOL799 - Dissertation	18	22
2015	Spring	AREC699 - Thesis	18	4
2015	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	27
2014	Fall	AREC799 - Dissertation	18	9
2014	Fall	AREC240 - Issues in Environmental Economics (GT-SS1)	3	21
2014	Fall	ECON240 - Issues in Environmental Economics (GT-SS1)	3	19
2014	Fall	AREC699 - Thesis	18	3
2014	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	15
2014	Summer	AREC699 - Thesis	18	1
2014	Spring	AREC478 - Agricultural Policy	3	23
2014	Spring	AREC799 - Dissertation	18	12
2014	Spring	AREC784 - Supervised College Teaching	3	3
2014	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	15
2013	Fall	AREC799 - Dissertation	18	8
2013	Fall	ECOL799 - Dissertation	18	27
2013	Fall	AREC487 - Internship	18	5
2013	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	7
2013	Spring	AREC478 - Agricultural Policy	3	36
2013	Spring	AREC478 - Agricultural Policy	3	21
2013	Spring	AREC487 - Internship	18	5
2013	Spring	AREC792B - Seminar-International	18	7
2013	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	30
2012	Fall	AREC799 - Dissertation	18	8
2012	Fall	ECOL799 - Dissertation	18	26
2012	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	15
2012	Spring	AREC678 - Agricultural and Resource Policy	3	12
2012	Spring	AREC478 - Agricultural Policy	3	39
2012	Spring	AREC478 - Agricultural Policy	3	17
2012	Spring	AREC799 - Dissertation	18	4
2012	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	16

2011	Fall	AREC799 - Dissertation	18	4
2011	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	14
2011	Spring	AREC478 - Agricultural Policy	3	34
2011	Spring	AREC478 - Agricultural Policy	3	14
2011	Spring	AREC799 - Dissertation	18	6
2011	Spring	AREC495 - Independent Study	18	13
2011	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	13
2010	Fall	AREC505 - Agricultural Production Economics	3	10
2010	Fall	AREC799 - Dissertation	18	6
2010	Fall	ECOL799 - Dissertation	18	18
2010	Fall	AREC495 - Independent Study	18	4
2010	Fall	AREC792A - Seminar-Agricultural	18	6
2010	Fall	AREC699 - Thesis	18	7
2010	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	16
2010	Spring	AREC678 - Agricultural and Resource Policy	3	7
2010	Spring	AREC478 - Agricultural Policy	3	6
2010	Spring	AREC799 - Dissertation	18	11
2010	Spring	AGRI638 - Monitoring for Success	3	12
2010	Spring	AGRI638 - Monitoring for Success - Lab	0	12
2010	Spring	AREC699 - Thesis	18	11
2010	Spring	AGRI637 - Understanding Policy and Emerging Issues	3	10
2009	Fall	AREC505 - Agricultural Production Economics	3	16
2009	Fall	AREC487 - Internship	18	5
2009	Fall	AREC699 - Thesis	18	3
2009	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	11
2009	Summer	AREC487 - Internship	18	6
2009	Summer	AREC699 - Thesis	18	2
2009	Spring	AREC678 - Agricultural and Resource Policy	3	17
2009	Spring	AREC478 - Agricultural Policy	3	8
2009	Spring	AREC799 - Dissertation	18	13
2009	Spring	AREC695 - Independent Study	18	3
2009	Spring	AREC699 - Thesis	18	7
2008	Fall	AREC478 - Agricultural Policy	3	34
2008	Fall	AREC799 - Dissertation	18	11
2008	Fall	AREC699 - Thesis	18	8
2008	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	20
2008	Spring	AREC799 - Dissertation	18	9
2008	Spring	AREC487 - Internship	18	7
2007	Fall	AREC478 - Agricultural Policy	3	38
2007	Fall	AREC695 - Independent Study	18	3
2007	Fall	AREC699 - Thesis	18	7
2007	Fall	AGRI637 - Understanding Policy and Emerging Issues	3	9

COMMITTEES

Graduate Degree Program in Ecology.

IGERT.

USAID CRSP- Adapting Livestock Systems to Climate.

Western Center for Integrated Resource Management, (August 2002 - Present).

Undergraduate Curriculum, (August 2015 - July 2016).

Faculty Council, (August 2007 - July 2012).

mentor for Bonanno, (August 2015 - Present).

Mentor Liester, (August 2015 - Present).

Graduate Committee, (September 2012 - Present).

Undergraduate Committee, (August 2015 - July 2016).

Graduate Admissions Committee, (October 1, 2014 - September 2015).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Applied Agricultural Economics Association.

Western Agricultural Economics Association.

Ag and Resource Economics Review.

Member, Agricultural and Applied Economics Assoc.

Agricultural and Applied Economics Assoc.

Agricultural and Applied Economics Association Executive Board.

Agricultural and Resource Economics review.

Member, Applied Agricultural Economics Association.

Applied Economic Perspectives and Policy.

Committee Chair, C-FARE.

China Agricultural Economics Review.

Crop Management.

Economic Research Service (nitrogen pollution).

Faculty Council.

Committee Chair, GDPE.

Member, Graduate Committee.

Graduate Program in Ecology.

IGERT Ph.D.

J. Ag and Applied Economics.

J. Ag and Resource Economics.

J. Ag and Resource Economics.

J. Agricultural and Resource Economics.

J. Crises Mgt Analysis.

Editor, Associate Editor, J. of Risk Analysis and Crisis Response.

J. Risk Analysis.

Member, Mentoring committee for tenure-Enns.

Committee Chair, Mentoring committee for Tenure-Graff.

Committee Chair, Prelim exam committee.

Profitability Through Conservation.

Committee Chair, Research Evaluation for NIFA Review.

Transactions of the ASABE.

USAID CRSP- Adapting Livestock Systems to Climate.

WAEA Distinguished Scholar award committee.

Western Ag Economics Association- meeting.

Member, Western Agricultural Economics Association.

Western Economic Forum.

Western Economic Forum.

Western Economic Forum.

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

World Bank.

Board of Directors of a Company, Western Center for Integrated Resource Mgt.

Agricultural and Applied Economics Association Executive Board.
