

Nathan P. Hendricks

Department of Agricultural Economics
Kansas State University
Manhattan, KS 66506

(785) 532-3740
nph@ksu.edu
<http://nphendricks.com>

EDUCATION

- 2011 Ph.D. University of California, Davis, Agricultural & Resource Economics
– Dissertation: The Dynamics and Spatial Heterogeneity of Crop Acreage Response to Price: Problems of Aggregation and Pooling
– Committee: Daniel A. Sumner, Aaron Smith, Douglas M. Larson
- 2007 M.S. Kansas State University, Agricultural Economics
- 2005 B.S. Kansas State University, Agricultural Economics

EXPERIENCE

- 2016 to present Associate Professor, Department of Agricultural Economics,
Kansas State University, Manhattan, Kansas
- 2011 to 2016 Assistant Professor, Department of Agricultural Economics,
Kansas State University, Manhattan, Kansas

HONORS AND AWARDS

Outstanding *AJAE* Article Award. Agricultural & Applied Economics Association. 2015.
Southern Agricultural Economics Association (SAEA) Emerging Scholar Award. 2015.
C-FARE/AAEA 2014 Early Career Professional Leadership Award. 2014.
Outstanding *JARE* Article Award. Western Agricultural Economics Association. 2013.
Gordon A. King Award for Outstanding Dissertation. ARE, UC Davis. 2012.
Outstanding MS Thesis Award, Western Agricultural Economics Association. 2008.
USDA National Needs Fellowship. 2007-2010.

JOURNAL ARTICLES

- Hendricks, N.P. and K. Drysdale. “In-Class Experiment Assesses Empathy for International Hunger and Poverty.” *North American Colleges & Teachers of Agriculture Journal* 59(3): 253-258.
- Hendricks, N.P. and A. Smith. “Grouped Coefficients to Reduce Bias in Heterogeneous Dynamic Panel Models with Small T.” *Applied Economics* 47(40): 4335-4348.
- Peterson, J.M., C.M. Smith, J.C. Leatherman, N.P. Hendricks, and J.A. Fox. “Transaction Costs

in Payment for Environmental Service Contracts.” *American Journal of Agricultural Economics* 97(1): 219-238.

Hendricks, N.P., J.P. Janzen, and A. Smith. “Futures Prices in Supply Analysis: Are Instrumental Variables Necessary?” *American Journal of Agricultural Economics* 97(2015)1:22-39.

Hendricks, N.P., S. Sinnathamby, K. Douglas-Mankin, A. Smith, D.A. Sumner, and D.H. Earnhart. “The Environmental Effects of Crop Price Increases: Nitrogen Losses in the U.S. Corn Belt.” *Journal of Environmental Economics and Management* 68(2014)3:507-526.

Hendricks, N.P., A. Smith, and D.A. Sumner. “Crop Supply Dynamics and the Illusion of Partial Adjustment.” *American Journal of Agricultural Economics* 96(2014)5:1469-1491. (Outstanding *AJAE* Article Award)

Brown, J.C., E. Hanley, J. Bergtold, M. Caldas, V. Barve, D. Peterson, R. Callihan, J. Gibson, B. Gray, N. Hendricks, N. Brunzell, K. Dobbs, J. Kastens, D. Earnhart. “Ethanol Plant Location and Intensification vs. Extensification of Corn Cropping in Kansas.” *Applied Geography* 53(2014):141-148.

Hendricks, N.P., and D.A. Sumner. “The Effects of Policy Expectations on Crop Supply, with an Application to Base Updating.” *American Journal of Agricultural Economics* 96(2014)3: 903-923.

Hendricks, N.P., J.P. Janzen, and K.C. Dhuyvetter. “Subsidy Incidence and Inertia in Farmland Rental Markets: Estimates from a Dynamic Panel.” *Journal of Agricultural and Resource Economics* 37(2012)3:361-378.

Hendricks, N.P. and J.M. Peterson. “Fixed Effects Estimation of the Intensive and Extensive Margins of Irrigation Water Demand.” *Journal of Agricultural and Resource Economics* 37(2012)1:1-19. (Outstanding *JARE* Article Award)

Steward, D.R., J.M. Peterson, X. Yang, T. Bulatewicz, M. Herrera-Rodriguez, D. Mao, and N.P. Hendricks. “Groundwater Economics: An Object-Oriented Foundation for Integrated Studies of Irrigated Agricultural Systems.” *Water Resources Research* 45(2009)5:W05430.

Hendricks, N.P. and L.L. Nalley. “Who Benefits from Global Agricultural Trade Liberalization? The Case of Wheat and Maize.” *Journal of International Agricultural Trade and Development* 4(2008)2:141-157.

BOOK CHAPTERS

Peterson, J.M. and N.P. Hendricks. 2016. “Economics of Water.” In K. Conca and E. Weinthal, eds. *The Oxford Handbook of Water Politics and Policy*. Oxford University Press. DOI: 10.1093/oxfordhb/9780199335084.013.22.

GRANTS

- PI, “Mixed Approaches towards Effective Collective Management of Groundwater Resources.” (\$499,917) with D.R. Steward and J. Zhao (Co-PIs), USDA-AFRI. June 2017–May 2021.
- Consultant, “The Effects of Institutions and Hydrological Conditions on Optimal Management of a Shared Aquifer: A Case Study of the High Plains” (\$34,400 for KSU) Nebraska Hatch Multistate with Karina Schoengold (PI) and Nicholas Brozovic (Co-PI). 2016-2017.
- PI, “The Role of U.S. Agriculture in Global Food and Environmental Security: An Analysis Based on Global Supply Response in the Long Run.” (\$498,396) with A. Smith and N.B. Villoria (Co-PIs), USDA-AFRI. January 2016–December 2018.
- Co-PI, “Effects of Energy and Commodity Prices on Crop Patterns and the Ogallala Aquifer under Alternative Policy Scenarios.” (\$499,976) with C.B. Ariyaratne (PI), J.M. Peterson, N. Quintana Ashwell, B.B. Golden, B.C. Briggeman (Co-PIs), USDA-AFRI. January 2015–December 2018.
- PI, “Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation-Supplemental Funding.” (\$41,550) Kansas NSF-EPSCoR. October 2014–September 2015.
- Co-PI, “The Effect of Local Water Policy on Kansas Farmers’ Crop Choices, Irrigation Technology and Crop Yield.” (\$5,000) with K. Drysdale (PI), CoBank Research Fellow: Arthur Capper Cooperative Center, Kansas State University. July 2014– June 2015.
- Affiliated Faculty Member, “Farmers’ Decisions to Grow Crops for Fuel.” Kansas NSF-EPSCoR. August 2011–September 2014.

INVITED PRESENTATIONS

- Hendricks, N.P. “The Economic Benefits from Innovations to Reduce Heat and Water Stress in Agriculture.” Department of Economics, Iowa State University, October 26, 2016.
- Hendricks, N.P. and K. Pokharel. “Agricultural Subsidy Incidence: Evidence from Commodity Favoritism.” Department of Applied Economics, University of Minnesota, September 7, 2016.
- Hendricks, N.P. “The Good and Bad of Distortions from Agri-Environmental Policies in the United States.” American Enterprise Institute, Washington, D.C. May 17-19, 2016.
- Hendricks, N.P. and E. Er. “Government Policy and Cropland Conversions in the United States.” Department of Agricultural Economics, Oklahoma State University, September 11, 2015.

- Hendricks, N.P. and E. Er. “Cropland Acreage Response to Price: Challenges from Data Measurement Errors and Government Programs.” Agricultural and Applied Economics Association Annual Meeting Environment Section Track Session, July 28, 2015.
- Hendricks, N.P. “Identification of Agricultural Supply Response.” Southern Agricultural Economics Association Annual Meeting (SAEA Emerging Scholars), February 3, 2015.
- Hendricks, N.P. “Economic Damages to Agriculture from Temperature Increases: Decomposing the Effects of Heat Exposure and Water Stress.” Department of Agricultural, Food, and Resource Economics, Michigan State University, December 4, 2014.
- Hendricks, N.P. “Agricultural Supply Analysis using Remote Sensing Data.” Biological and Agricultural Engineering graduate seminar, Kansas State University, October 9, 2014.
- Hendricks, N.P., S. Sinnathamby, K. Douglas-Mankin, A. Smith, D.A. Sumner, and D.H. Earnhart. “The Environmental Effects of Crop Price Increases: Nitrogen Losses in the U.S. Corn Belt.” Agricultural Economics, University of Nebraska, October 18, 2013.
- Hendricks, N.P., S. Sinnathamby, K. Douglas-Mankin, A. Smith, D.A. Sumner, and D.H. Earnhart. “The Water Quality Effects of Crop Price Increases.” Kansas NSF EPSCoR Annual Meeting Lawrence, KS, October 7-8, 2013.
- Hendricks, N.P., A. Smith, and D.A. Sumner. “Agricultural Supply Dynamics: The Illusion of Partial Adjustment.” Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 31, 2012.
- Hendricks, N.P., A. Smith, and D.A. Sumner. “The Dynamics of Crop Acreage Response to Price: Problems of Aggregation and Pooling.” Department of Agricultural Economics, Kansas State University, October 13, 2011.
- Hendricks, N.P. “Irrigation Water Demand in the High Plains Revisited.” Agricultural and Resource Economics, University of California, Davis, January 20, 2010.

CONFERENCE PRESENTATIONS & POSTERS

- McKendree, M., G. Tonsor, T. Schroeder, and N.P. Hendricks. “Impacts of Retail and Export Beef Demand on Cattle Producers.” Southern Agricultural Economics Association annual meeting, Mobile, AL, February 4-7, 2017.
- Nakelse, T., T. Dalton, and N.P. Hendricks. “The Impact of Changes in Commodity Prices on Household Welfare in Rural Burkina Faso.” Southern Agricultural Economics Association annual meeting, Mobile, AL, February 4-7, 2017.
- Pates, N. and N.P. Hendricks. “Additionality in Payments for Environmental Services with Technology Diffusion” Selected Presentation, Agricultural and Applied Economics Association meetings, Boston, MA, July 31-August 2, 2016.

- Hendricks, N.P. “The Economic Effects of Heat and Water Stress in Agriculture.” Association of Environmental and Resource Economists annual summer conference, Breckenridge, CO, June 9-11, 2016.
- Drysdale, K. and Hendricks, N.P. “Effects From a Farmer-led Collective Action Water Management Plan on Irrigators in Kansas.” Selected Presentation, Agricultural and Applied Economics Association meetings, San Francisco, CA, July 26-28, 2015.
- Hendricks, N.P. and K. Pokharel. “Estimates of the Incidence of Agricultural Subsidies Using Soil-Climatic Regimes.” Selected Poster, Agricultural and Applied Economics Association meetings, San Francisco, CA, July 26-28, 2015.
- Nti, F. Hendricks, N.P. “EU Banana Trade Preference Erosion and Economic Growth: A Case of the Windward Islands.” Selected Poster, Agricultural and Applied Economics Association meetings, Minneapolis, MN, July 27-29, 2014.
- Williams, J.R. and Hendricks, N.P. “Teaching a Class: Contemporary Issues in Global Food and Agricultural Systems.” Selected Poster, North American Colleges and Teachers of Agriculture Annual Meeting, Bozeman, MT, June 25-28, 2014.
- Sant’Anna, A.C., M.A. Ortez, N.P. Hendricks “A Welfare Analysis of Preferential Fuel Taxes for Ethanol in Brazil.” Center for Sustainable Energy Symposium, Manhattan, KS, April 9-10, 2014.
- Hendricks, N.P., J.P. Janzen, and A. Smith. “Futures Prices in Supply Analysis Reconsidered.” Selected Paper, Agricultural and Applied Economics Association meetings, Washington, D.C., August 4-6, 2013.
- Hendricks, N.P. “Precipitation as a Natural Experiment to Estimate the Agricultural Value of Irrigation Water.” Selected Paper, Western Agricultural Economics Association Annual Meeting, Monterey, CA, June 26-28, 2013.
- Hendricks, N.P. and A. Smith. “Comparing the Bias of Dynamic Panel Estimators in Multilevel Panels: Individual versus Grouped Data.” Selected Paper, Agricultural and Applied Economics Association meetings, Seattle, WA, August 12-14, 2012.
- Hendricks, N.P., D.A. Sumner, and A. Smith. “Estimation of the Dynamics of Crop Acreage Response to Price: Rotations and Aggregation.” Selected Poster, Agricultural and Applied Economics Association meetings, Seattle, WA, August 12-14, 2012.
- Hendricks, N.P. and A. Smith. “Bias Reduction in Multilevel Dynamic Panels with Small T: An Application to the Dynamics of Corn Supply.” 18th International Panel Data Conference, Paris, France, July 5-6, 2012.

Hendricks, N.P. and D.A. Sumner. “Spatially Explicit Estimates of Crop Rotation Responses.” Selected Poster, Agricultural and Applied Economics Association meetings, Pittsburgh, PA, July 24-26, 2011.

Hendricks, N.P. “The Dynamics of Crop Acreage Response in the Presence of Rotations.” Giannini Agricultural and Resource Economics Student Conference, Davis, CA. April 23, 2011.

Hendricks, N.P. and J.P. Janzen. “The Incidence of Agricultural Subsidies on Farmland Rental Rates: Overcoming Bias from Inertia, Expectations, and Tenancy Arrangements.” Selected Paper, Agricultural and Applied Economics Association meetings, Denver, CO, July 25-27, 2010.

Hendricks, N.P. “The Effect of Green Payments on the Diffusion of Conservation Technologies in Agriculture.” Selected Poster, Agricultural and Applied Economics Association meetings, Denver, CO, July 25-27, 2010.

Hendricks, N.P. “The Effect of Technological Change in Crop Agriculture on Land Use.” Giannini Agricultural and Resource Economics Student Conference, Berkeley, CA, April 30, 2010.

Hendricks, N.P. and L.L. Nalley “The Relative Welfare Impacts in Wheat and Maize Trade Liberalization: Why Less is Sometimes More.” Selected Paper, The Association of Private Enterprise Education Conference, Cancun, Mexico, April 8-11, 2007.

OUTREACH PRESENTATIONS AND INTERVIEWS

Hendricks, N.P., E. Er, and M. Taylor. “Better Predictions of Land Values Using Machine Learning.” Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 18-19, 2016.

Hendricks, N.P. “Turnin’ Soil: Perspectives on Recent Sodbusting in the United States.” Go See It! Lecture Series. Flint Hills Discovery Center, Manhattan, KS, August 18, 2016.

Hendricks, N.P. “What is Needed for a Successful LEMA?” Presented at Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 20-21, 2015.

Drysdale, K. and N.P. Hendricks. “The Effect of Collective Action Water Policy on Kansas Farmers Irrigation Decisions” (Krystal Drysdale presented) Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 20-21, 2015.

Hendricks, N.P. and J.M. Peterson. “Getting the Most Value from Limited Irrigation Water.” Governor’s Conference on the Future of Water in Kansas, Manhattan, KS, November 13, 2014.

Hendricks, N.P. and J.M. Peterson. “Getting the Most Value from Limited Irrigation Water.” Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 21-22, 2014.

Hendricks, N.P. “World Supply and Demand for Food: An Historical Perspective and Future Prospects.” Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS, August 21-22, 2013.

Hendricks, N.P. “World Supply and Demand for Food.” Session for Leadership Kansas, Goodland, KS, July 25, 2013.

Interviews with Agriculture Today, K-State Radio Network, September 1, 2015; September 4, 2014; May 14, 2012; and November 10, 2011.

POPULAR PRESS INTERVIEWS

National Public Radio, Consumer Reports, Circle of Blue, Topeka Capital Journal

TEACHING EXPERIENCE

Instructor, Kansas State University. AGEC 315: “Contemporary Issues in Global Food and Agricultural Systems.” Fall 2011-2012, Spring 2012–2017.

Instructor, Kansas State University. AGEC 810: “Price, Income and Trade Policies in Agriculture.” Fall 2013-2015. Spring 2017.

Co-Instructor (25-33%), Kansas State University. AGEC 936: “Quantitative Topics in Agricultural Economics.” Spring 2013-2017.

Teaching Assistant, University of California-Davis. ARE 106: “Quantitative Methods in Agricultural Economics.” (with Kristiana Hansen), Summer 2008.

Instructor, Kansas State Math Camp for first-year M.S. and Ph.D. students, Fall 2006.

Teaching Assistant, Kansas State University. AGEC 505: “Agricultural Market Structures.” (with Jeffrey Peterson), Spring 2006.

GRADUATE ADVISING

Major Professor

Juhee Lee, Ph.D., in progress.

Nicholas Pates, Ph.D., in progress.

Krystal Drysdale, Ph.D., in progress.

Nicolas Quintana-Ashwell, Ph.D., in progress. (co-major with Jeff Peterson)

Oladipo Obembe, Ph.D., in progress.
Frances Bretz, MAB, in progress.
Nathan Bartholomew, MAB, in progress.
Rulianda Wibowo, Ph.D., 2016.

Committee Member

Nuwan Indika Millagaha Gedara (Economics), Ph.D., in progress.
Melissa McKendree, Ph.D., in progress.
Amer Rashid, Ph.D., in progress.
Syed Haroon Bin Farrukh, M.S. (non-thesis option), 2016.
Dillon Garr, M.S., 2016.
Claire Newman, M.S., 2015.
Jacob Maurer, MAB, 2014
Kayode Ajewole, M.S., 2013
Frank Nti, M.S., 2012

SERVICE

National/Profession

AAEA Selected Presentations Committee, 2016-2019.
W3190 Multistate Research Project Secretary, 2016.
AAEA Outstanding Doctoral Dissertation Award Committee, 2015-2016.
Topic Leader for AAEA Selected Presentations, 2014-2015.

Referee service for:

American Journal of Agricultural Economics
Journal of the Association of Environmental and Resource Economists
Journal of Environmental Economics and Management
Environmental Research Letters
PLOS One
Applied Economic Perspectives and Policy
Journal of Agricultural and Resource Economics
Journal of Agricultural and Applied Economics
Water Resources Research
Precision Agriculture
Water Economics and Policy
Western Association of Agricultural Experiment Station Multistate Research Project
Agricultural and Applied Economics Association annual meeting papers
Western Agricultural Economics Association annual meeting papers

University

Judge for FFA Prepared Public Speaking Career Development Event, 2016.
Judge for FFA Agricultural Business Career Development Event, 2016.
College of Agriculture Student Ambassadors selection committee, 2016.
Global Food Systems review panel for grant applications, 2015.

Department

Arthur Capper Cooperative Center Advisory Council, 2016-present.

Chair of search committee for Asst/Assoc Professor, 2015.

Graduate committee, 2015-present.

Project Faculty Mentor, Center for Risk Management Education & Research, 2015-2016.

Prelim Committee, 2015-2016.

Seminar committee, 2014-present.

Search committee member for Assistant Professor, 2014.

Search committee member for Assistant Professor, 2013.

(Last updated: January 2017)