

ANDREW BARKLEY
University Distinguished Teaching Scholar
Department of Agricultural Economics
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EDUCATION

Ph.D. Economics. University of Chicago. Chicago, Illinois, 1988.
M.A. Economics. University of Chicago. Chicago, Illinois, 1986.
B.A. Economics. Whitman College. Walla Walla, Washington, 1984. Distinction in Major Field.

EXPERIENCE

University Distinguished Teaching Scholar, Agricultural Economics, Kansas State University, Manhattan, Kansas. May 2003—present.
Professor of Agricultural Economics, Kansas State University, Manhattan, Kansas. July 1998—present.
Associate Professor of Agricultural Economics, Kansas State University, Manhattan, Kansas. July 1993—June 1998.
Assistant Professor of Agricultural Economics, Kansas State University, Manhattan, Kansas. August 1988 – June 1993.
Visiting Scholar, Department of Land Economics, University of Cambridge, Cambridge, England, Spring Semester, 2002.
Visiting Scholar, Department of Agricultural and Resource Economics, University of Arizona, Tucson, Arizona, 1994/1995.
Visiting Assistant Professor, Quaid-I-Azam University, Islamabad, Pakistan. Fall Semester, 1990.
Instructor, University of Chicago, Chicago, Illinois. Department of Economics. Winter Quarter, 1988.
Research Assistant, University of Chicago, Department of Economics, D. Gale Johnson and Yair Mundlak, 1986—88.

HONORS AND AWARDS

Numerous awards for teaching, advising, and scholarship at the College, University, Regional and National levels.
Quality of Communication Award. Awarded by the Agricultural and Applied Economics Association (AAEA), August 2016.
Depolarization of Food and Agriculture: An Economic Approach, by Andrew Barkley and Paul W. Barkley. Earthscan from Routledge, Oxford, England, 2015.
Distinguished Undergraduate Teaching Award, Ten or More Years' Experience. Ag. and Applied Econ. Assn. (AAEA), August 2016.
The Dr. Ron and Rae Iman Outstanding Faculty Award for Teaching, sponsored by the K-State Alumni Association. 2012-2013.
Distinguished Scholar Award, Western Agricultural Economics Association, 2008.
Coffman Chair for Distinguished Teaching Scholars, 2003-2004.
USDA National Excellence in College and University Teaching in Food and Agricultural Sciences Award, November, 1997.
Presidential Award for Excellence in Undergraduate Teaching, Kansas State University, 1997.
Distinguished Undergraduate Teaching Award, Less than Ten Years' Experience. American Ag. Econ. Association (AAEA), August 1995.
Central Regional Outstanding Teacher, 1994.
NACTA Teacher Fellow, 1994.
Kansas Professor of the Year, 1993. Awarded by the Council for Advancement and Support of Education (CASE).

RESEARCH

Books
Barkley, Andrew, and Paul W. Barkley. *Principles of Agricultural Economics*, 2nd Edition. March 2016. Oxford, UK: Routledge. Paperback: 978-1-138-91410-0. Hardback: 978-1-138-91408-7. E-book: 978-1-315-69100-8.
Barkley, Andrew, "The Economics of Food and Agricultural Markets" (2016). New Prairie Press eBooks. 12.
<http://newprairiepress.org/ebooks/12>
Barkley, Andrew, and Paul W. Barkley. *Depolarization of Food and Agriculture: An Economic Approach*. 2014. Oxford, England: Earthscan from Routledge. Paperback: 978-0-415-71423-5. Hardback: 978-0-415-71422-8. E-book: 978-1-315-88282-6.
Barkley, Andrew, and Paul W. Barkley. *Principles of Agricultural Economics*. 2013. Oxford, UK: Routledge. Paperback: 978-0-415-54070-4. Hardback: 978-0-415-54069-8. E-book: 978-0-203-37114-5.
Barkley, Andrew. *The Economics of Kansas Agriculture*. Electronic edition, iBook edition. 2011. Lulu, 978-1-257-99407-6.

Barkley, Andrew. *The Economics of Kansas Agriculture*. 2007. Ag Econ Books.

Major work on agricultural and public policy: Invited Papers (19), Presented Papers (48), Posters (4), Extension Publications (20), and Invited Speeches and Presentations (153). Radio presentations on agricultural and public policy issues, KKSU and WIBW.

Testimony before the United States House of Representatives on Farm Bill issues.

Grants (25) totaling over \$1 million in areas of agricultural and public policy analysis, and economic analysis of technological change in the wheat industry.

Major Professor of Graduate Students: 6 Ph.D. Students, 24 MS students, and 12 MAB students

Selected Relevant Publications

Tack, J., A. Barkley, and N. Hendricks. "Irrigation offsets heat stress in wheat production." *Environmental Research Letters*. Forthcoming.

Barkley, Andrew, and Brian Coffey. "An Economics Model of Student Learning." *Journal of Agricultural and Applied Economics*. In review.

Nalley, L.L., T.S. Dlamini, F. Tsiboe, A. Shew, and A. Barkley. "The Economic Impact of the South African Agricultural Research Council's Dry Beans Breeding Program." *Journal of Agricultural and Applied Economics*. Forthcoming.

Nalley, L.L., A. Durand-Morat, G. Thoma, F. Tsiboe, A. Shew, J. Tack, A. Barkley. "The Production, Consumption and Environmental Impacts of Rice Hybridization in the United States." *Agronomy Journal*. Forthcoming.

Nti, F., and A. Barkley. "Wheat Variety Yield Data: Do Commercial and Public Performance Tests Provide the Same Information?" *Agricultural Economics*. Impact factor: 1.739. Forthcoming.

Brye, K.R., Nalley, L.L., J. Tack, BL Dixon, A.P. Barkley, C Rogers, AD Smartt, RJ Norman, K Jagadish. "Factors affecting methane emissions from rice production in the Lower Mississippi River Valley, USA." *Geoderma Regional*, 2016 7, 223-229.

Nalley, L.L., J. Tack, A Barkley, K. Jagadish, and C. Brye. "Quantifying the Agronomic and Economic Performance of Hybrid and Conventional Rice Varieties" *Agronomy Journal*, 2016, 108(4):1-10. Impact Factor: 1.441.

Nalley, L.L., B. Dixon, J. Tack, A Barkley, and K. Jagadish, and. "Optimal Harvest Moisture Content for Maximizing Mid-South Rice Milling Yields and Returns," *Agronomy Journal*, 2016, 108(2):701-712. Impact Factor: 1.441.

Tack, Jesse; Barkley, Andrew; Rife, Trevor; Poland, Jesse; Nalley, Lawton. "Quantifying Variety-specific Heat Resistance and the Potential for Adaptation to Climate Change" *Global Change Biology*, forthcoming. Impact factor: 8.044.

Tack, Jesse, Andrew Barkley, and L. L. Nalley. "The Effect of Warming Temperatures on U.S. Wheat Yields" *Proceedings of the National Academy of Sciences of the United States of America*, June 2, 2015, pp. 6931-6936. Impact Factor: 9.809.

Tack, Jesse, Andrew Barkley, and L. L. Nalley. "Estimating Yield Gaps with Limited Data: An Application to United States Wheat." *American Journal of Agricultural Economics* (2015) 97 (5):1464-1477. doi:10.1093/ajae/aau157. Impact Factor: 1.363.

Barkley, Andrew. "Flipping the College Classroom for Enhanced Student Learning." *NACTA Journal*. September 2015(59,3): 240-244.

Boussios, David, and Andrew Barkley. "Grain Supply Response to Economic and Biophysical Factors" *Agricultural and Resource Economics Review*, December 2014 (43,3):335-356. Lead article.

Tack, Jesse, Andrew Barkley, and L. L. Nalley. "Heterogeneous Effects of Warming and Drought on Selected Wheat Variety Yields." *Climatic Change*, 125(3-4), 489-500. Impact Factor: 4.622.

Nti, Frank Kyekyeku, and Andrew Barkley. "Wheat Variety Yield Data: Do Commercial and Public Performance Tests Provide the Same Information?" In review, *Journal of Agricultural and Resource Economics*.

Barkley, Andrew, Jesse Tack, Lawton Lanier Nalley, Jason Bergtold, Robert Bowden, and Allan Fritz. "Weather, Disease, and Wheat Breeding Effects on Kansas Wheat Varietal Yields, 1985-2011." *Agronomy Journal*. 2014(106):227-235. Impact Factor: 1.542.

Barkley, Andrew, and Mary Ellen Barkley. "Long Term Knowledge from Short Term Study Abroad in Brazil and South Africa: Facilitating Effective International Experiences." *NACTA Journal*. September 2013.

Nti, Frank, and Andrew Barkley. "The impact of human capital on the response to climate change vulnerability among farm families in Northern Ghana" *Journal of International Agricultural Trade and Development*. 2013(8,2):183-212.

Johnson, Jessica, and Andrew Barkley. "Trade Agreement Impact on Trade Flows, Trade Creation, and Trade Diversion: The Determinants of International Wheat Trade, 1999-2008," *Journal of International Agricultural Trade and Development*. January 2012(8,1):25-41.

A. Barkley and Forrest G. Chumley. "A Doubled Haploid Laboratory for Kansas Wheat Breeding: An Economic Analysis of Biotechnology Adoption." *International Food and Agribusiness Management Review*. May 2012(15,2):99-120.

- Hikaru Hanawa Peterson, Andrew Barkley, Adriana Chacón-Cascante, Terry L. Kastens. "The Motivation for Organic Grain Farming in the United States: Profits, Lifestyle, or the Environment?" *Journal of Agricultural and Applied Economics*. May 2012(44,2):137–155.
- D'Antoni, Jeremy M., Ashok K. Mishra, Andrew P. Barkley. "Feast or flee: Government payments and labor migration from U.S. agriculture." *Journal of Policy Modeling* 34 (2012): 181–192.
- Luster, Tonshia, and Andrew Barkley. "The Economic Determinants of the Number of Minority Farmers in the Southeast Region of the United States, 1969-1997." *The Review of Black Political Economy*. March 2011(38,1):83-101.
- Barkley, A., Lawton Lanier Nalley, and Pedro V. Garay. "Análisis de Bienestar de Los 'Shocks de Precios de Los Commodities' en Los Mercados de Maíz y Trigo en México," or, "Global Food Price Shocks Impact on Wheat Producers and Consumers in Mexico: A Welfare Analysis." *Revista Mexicana de Agronegocios*, July-December 2011(29):646-659.
- Nalley, L. and A. Barkley. "Using Portfolio Theory to Enhance Wheat Yield Stability in Low-Income Nations: An Application in Yaqui Valley of Northwestern Mexico." *Journal of Agricultural and Resource Economics* August 2010(35,2):334-347.
- Nalley, Lawton L., Andrew P. Barkley, and Allen M. Featherstone. "The Genetic and Economic Impact of the CIMMYT Wheat Breeding Program on Local Producers in the Yaqui Valley, Sonora Mexico." *Journal of Agricultural Economics* September 2010 (41,5):453-462.
- Barkley, Andrew, Hikaru H. Peterson, and James Shroyer. "Wheat Variety Selection: An Application of Portfolio Theory to Improve Returns." *Journal of Agricultural and Applied Economics* February 2010(42,1):39-55.
- Nalley, Lanier, Andrew Barkley, Brad Watkins, and Jeffrey Hignight. "Enhancing Farm Profitability through Portfolio Analysis: The Case of Spatial Rice Variety Selection." *Journal of Agricultural and Applied Economics* December 2009 (41, 3):641-652.
- Nalley, Lawton L., Andrew P. Barkley, and Ken Sayre. "Alternative Specifications of the Photothermal Quotient to Improve Predictive Ability of Grain Yield Component Models of Wheat Cultivars." *Agronomy Journal* April 2009 (101):556-563.
- Nalley, Lawton L., Andrew P. Barkley, John M. Crespi, and Ken D. Sayre. "The Global Impact of the CIMMYT Wheat Breeding Program." *Journal of International Trade and Agricultural Development*, January-February 2009(Volume V, Issue 1):11-29.
- Barkley, A. "Organic Food Growth: Producer Profits and Corporate Farming." Chapter 9 in: *Corporate Agribusiness: Concepts and Cases*. Eds. Deepika M.G. and S. Rajagopalan. Hyderabad, India: ICFAI University Press, 2005, pp. 145-163.
- Nalley, Lawton, Andrew Barkley, and Forrest Chumley. "The Impact of the Kansas Wheat Breeding Program on Wheat Yields, 1911-2005." *Journal of Agricultural and Applied Economics* December 2008 (40,3):913-925.
- Barkley, Andrew. "Interactions between Domestic and Trade Policy: A Strategic Trade Model of U.S. Wheat Programs." *ICFAI Journal of Agricultural Economics*, October 2006.
- Nalley, Lawton Lanier, and Andrew Barkley. "Political Freedom, Economic Freedom, and Prosperity: International Trade Policy as a Measure of Economic Freedom." *Journal of Private Enterprise*, Fall 2005(22):123-141.
- Barkley, Andrew P. "The Economic Impacts of Agricultural Biotechnology on International Trade, Consumers, and Producers: The Case of Corn and Soybeans in the USA." Chapter 24 in: *The Regulation of Agricultural Biotechnology*. Eds. Robert E. Evenson and Vittorio Santaniello. CABI International, 2004, pp. 257–66.
- Barkley, A.P. "Multinational Food Corporations and Trade: The Impact of Foreign Direct Investment by the United States Food Industry on Food and Agricultural Exports." Chap. 5 in: *Multinational Agribusinesses*. Ed. R. Rama. Haworth Press, 2004, pp. 165-190.
- Barkley, Andrew P., Wendy A. Stock, and Cynthia K. Sylvius. "Agricultural Graduate Earnings: The Impacts of College, Career, and Gender." *American Journal of Agricultural Economics*. November, 1999(81):785-800.
- Ismet, Mohammad, A.P. Barkley, and R.V. Llewelyn. "Government Intervention and Market Integration in Indonesian Rice Markets." *Agricultural Economics* Dec. 1998 (19):283-295.
- Barkley, Andrew P., and Lori L. Porter. "The Determinants of Wheat Variety Selection in Kansas, 1974-1993." *American Journal of Agricultural Economics* Feb. 1996(78)202-211.
- Barkley, Andrew P. "Are Politicians Addicted to Agricultural Protection? A Dynamic Model of Political Economy." Chapter 15 in: *D. Gale Johnson on Agriculture, Volume 2: Essays on Agricultural Economics in Honor of D. Gale Johnson*. Editors: John M. Antle and Daniel A. Sumner. University of Chicago Press, 1996, pp. 263–282.
- Shroeder, T.C., Andrew P. Barkley, and Kathi Schroeder. "The Relationship Between Income Growth and Meat Consumption." *The Journal of International Food and Agribusiness Marketing* 1995(7):15-30.
- Bortko, Daniel, M. Babcock, and A.P. Barkley. "Where Have All the Jumbo Covered Hopper Cars Gone: An Investment Analysis of the U.S. Rail Grain Car Fleet." *Journal of the Transportation Research Forum* September 1995(35):1-12.
- Barkley, Andrew P. "Thinking Critically about Agricultural Issues." *National Association of Colleges and Teachers of Agriculture Journal* March, 1995(39):4-9.

- Barkley, Andrew P. and John McMillan. "Political Freedom and the Response to Economic Incentives: Labor Migration in Africa, 1972-1987." *Journal of Development Economics*. December 1994(45):393-406.
- Schroeder, T., R. Jones, J. Mintert, and A. Barkley. "The Impact of Captive Supplies on Fed Cattle Prices." *Review of Agricultural Economics* May, 1993(15):325-338.
- Wade, Mark A. and Andrew P. Barkley. "The Economic Impacts of a Ban on Subtherapeutic Antibiotics in Swine Production." *Agribusiness: An International Journal* March 1992(8):93-107.
- Barkley, Andrew P. "Earnings of Kansas State University Agriculture Graduates: 1978-1988." *American Journal of Agricultural Economics*. February, 1992(74):215-222.
- Schroeder, Ted, James Mintert, Andrew Barkley, and Rodney Jones. "Implications of Captive Supplies in the Fed Cattle Industry." In *Pricing and Coordination in Consolidated Livestock Markets*. Editor: Wayne D. Purcell. Blacksburg, VA: Research Institute on Livestock Pricing, 1992.
- Barkley, Andrew P. "Labor Mobility among Agricultural College Graduates: A Human Capital Approach." *Western Journal of Agricultural Economics*. December, 1991(16):315-325.
- Barkley, Andrew P. "The Determinants of Interdistrict Labour In-Migration in Pakistan, 1971-1980." *The Pakistan Development Review* Autumn, 1991(30):275-296.
- Barkley, Andrew P. and B.L. Flinchbaugh. "Self-Interest among Kansas Farm Operators: Survey Results on Agricultural and Public Policy Issues." *Agribusiness: An International Journal*. November, 1990(6):575-592.
- Barkley, A.P. "The Determinants of the Migration of Labor Out of Agriculture in the United States; 1940-1985." *Amer. J. of Ag. Econ.* Aug., 1990(72):567-573. Presented and analyzed in detail by William F. Lott and Subhash C. Ray in Chapter 6 of: *Applied Econometrics: Problems with Data Sets*, Harcourt Brace Jovanovich, 1992, pp. 37-42.
- Barkley, Andrew P. and B.L. Flinchbaugh. "Farm Operator Opinion and Agricultural Policy: Kansas Survey Results." *North Central Journal of Agricultural Economics*. July, 1990(12):223-239.

Active in Institutional Leadership at Kansas State University at the University, College, and Department levels.

Active in Professional Organization Leadership, including the National Association of Colleges and Teachers of Agriculture (NACTA), the Western Agricultural Economics Association (WAEA), and the American Agricultural Economics Association (AAEA).

Active in Academic Leadership, including Reviewer for Routledge Press book proposals, Reviewer for 38 academic journals.