

## **Daniel M. O'Brien**

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### **EXPERIENCE**

Associate Professor, Kansas State University, Department of Agricultural Economics.  
Extension Agricultural Economist - Northwest Research Extension Center. K-State Research and  
Extension, Colby, Kansas. January 2007 – Present.

Associate Professor, Kansas State University, Department of Agricultural Economics.  
Extension Area Administrative Director - Northwest Kansas, Kansas State University, K-State Research  
and Extension, Colby, Kansas. June 2003 – December 2006.

Associate Professor, Kansas State University, Department of Agricultural Economics.  
Extension Agricultural Economist - Northwest Research Extension Center, Kansas State University,  
K-State Research and Extension, Colby, Kansas. 1999 – May 2003.

Assistant Professor, Kansas State University, Department of Agricultural Economics.  
Extension Agricultural Economist - Northwest Research Extension Center, Kansas State University,  
K-State Research and Extension, Colby, Kansas. 1995 – 1999.

Extension Farm Management Field Specialist – Northwest / West Central Iowa Extension Service, Iowa  
State University, Onawa, Iowa 1993 – 1995.

Extension Associate - Agricultural Marketing, Iowa State University, Ames, Iowa - Department of  
Economics, 1988 – 1993.

Graduate Assistant - Extension Agricultural Marketing, Iowa State University, Ames, Iowa - Department of  
Economics. 1987 – 1988.

Extension Agent - Agriculture & Chair - Pierce County Extension - Nebraska Cooperative  
Extension Service, University of Nebraska, Pierce, NE. 1983 – 1987.

Extension Agent - Agriculture & 4-H Youth - Lincoln County Extension – Nebraska Cooperative  
Extension Service, University of Nebraska, North Platte, NE. 1981 – 1983.

Graduate Assistantship – University of Nebraska, Lincoln, NE. Department of Agricultural  
Economics. 1979 - 1980

## **EDUCATION**

Ph.D., Agricultural Economics, 1993

Iowa State University, Ames, Iowa

Ph.D. Dissertation: Forecasting the probability distribution of U.S. harvest time average corn prices

M.S., Agricultural Economics, 1980

University of Nebraska Lincoln, Nebraska

M.S. Thesis: The effect of agricultural cooperatives on rural fertilizer markets

B.S., Agricultural Economics, 1978

University of Nebraska Lincoln, Nebraska

## **AFFILIATIONS**

Agricultural and Applied Economics Association (AAEA)

Western Agricultural Economics Association (WAEA)

## **PROFESSIONAL SERVICE**

Associate Editor for the *Agronomy Journal* (AJ): 2008 through 2015 (27 reviews, 2 in 2015)

Reviewer for *The Energy Journal*, 2014 (1 article)

Reviewer for *Transactions of the ASABE*, 2015 (1 article).

## **UNIVERSITY and DEPARTMENT COMMITTEES**

Search Committee Chair for *Southwest Extension Agricultural Economist Position Search Committee*, 2014-2015.

*KSRE Extension Area-Multicounty Specialist DCOP Committee* (Departmental Committee on Planning), 2009-2015.

KSU Extension Farm Management PFT Chair. *KSU Extension Farm Management Program Focus Team* committee chair, 2014.

Search Committee Chair for *Northwest Extension Agronomy Specialist Search Committee*, 2013.

Search Committee Chair for *Northwest Extension Livestock Specialist Search Committee*, 1996.

## HONORS

“2015 Team Award - Farm Bill Education Team”, Kansas State University, *KSRE Annual Conference*, Manhattan, KS. October 20-22, 2015.

“Communicator of the Year” Award. Presented to Daniel O’Brien by the Kansas ACE Chapter, K-State Department of Communications at the *KSRE Annual Conference*, Manhattan, KS. October 23, 2014.

“Extension Service – 30 Years” Award. Presented to Daniel O’Brien by Kansas State University at the *KSRE Annual Conference*, Manhattan, KS, October 18, 2012.

“Outstanding Electronic Media Education Award” Award. Presented by the AAEA Extension Section for the K-State AgManager.info Website. Team members: R. Llewelyn, K. Dhuyvetter, G.A. Barnaby, D. O’Brien, T. Dumler, M. Langemeier, T. Schroeder, and A. Goheen. Award given by the Extension Section at the *AAEA Annual Meeting* in Denver, CO. July 25-27, 2010.

“Horizons Award for Young Extension Faculty” Award. Presented to Daniel O’Brien by the Epsilon Sigma Phi National Honorary Extension Fraternity, Kansas State University Chapter at the *KSRE Annual Conference*, Manhattan, KS, November 6, 1977.

“Team Achievement” Award for the 0-92 Farm Program Farm Management Education Program. Presented to members of the Farm Management Team in Northwest/West Central Iowa (including Daniel O’Brien) by Iowa State University Extension at the *ISU Annual Conference*, Ames, IA. 1993.

“Excellence in Programming Award” for the ‘5 Aces of Farm Management’ Multi-County Educational Program in Northeast Nebraska. Awarded by both the University of Nebraska Extension Service at the *Nebraska Extension Annual Conference*, 1993, and the *National Association of County Agricultural Agents (NACAA) Annual Meeting*, 1993.

## RESEARCH ACTIVITIES

### Grant Activity (Received)

*Kansas Corn Commission Grant*. “Developing a crop evaluation tool for comparing corn to alternative crop in Kansas Cropping Systems.” Principal Investigator: Daniel O’Brien (lead). Other Investigators: Ignacio Ciampitti, Danny Rogers, Jonathan Aguilar, William Golden, Xiaomao Lin, Lucas Haag, and Kraig Roozeboom. Grant amount: \$50,000 for the July 1, 2014 through December 31, 2015 period.

*Arthur Capper Cooperative Center - CoBank Research Fellow Grant*. “Factors affecting Kansas grain handling industry trends at the local level.” Principal Investigator: Daniel O’Brien. Grant amount: \$5,000 for the July 1, 2014 through June 30, 2015 period.

*USDA Natural Resource Conservation Service (NRCS).* “Demonstrating interactions between reduced tillage, soil water storage, and nutrient leaching under water limited irrigated cropping systems.” Principal Investigator: Isaya Kisekka. Other Investigators: Johnathan Holman, Daniel O’Brien, and Jonathan Aguilar. Grant amount: \$150,000 for year 2 of 3 year grant for the October 1, 2015 through September 30, 2016 period.

*Ogallala Aquifer Initiative Grant.* “Optimizing Land/Water Allocations for Irrigated Corn Production.” Focus of this grant: to reevaluate grain and biomass yield response functions in the High Plains region, normalize corn yield production functions across the region, and evaluate the economics of corn production for various irrigation capacities, hybrids, and plant populations. Principal Investigator: KSU Scientist F. Lamm. Co-Investigators: A. Schlegel, I. Kisekka, D. O’Brien, R. Schwartz, J. Bell, P. Colaizzi, and B. Guerrero. Grant amount: \$196,201 for two years – October 2014 through March, 2016.

*Ogallala Aquifer Initiative Grant.* “Conjunctive Use of Soil and Plant Based Sensors in Reducing Irrigation Scheduling Uncertainty.” Focus of this grant: to evaluate combined use of soil- and plant-based sensors for reducing uncertainty in irrigation scheduling in limited water environments. Principal Investigator: KSU Scientist I. Kisekka. Co-Investigators: J. Aguilar, D. O’Brien, and D. Rogers. Grant amount: \$39,802 for two years – October 2014 through March, 2016.

*Kansas Grain Sorghum Commission.* “Sorghum yield and profitability response to water supply and irrigation management.” Principal Investigators: Gary Cramer, Isaya Kisekka, and William Golden. Other Investigators: Eric Adey, Ignacio Ciampitti, Lucas Haag, Gerard Kluitenberg, Freddie Lamm, Johnathan Holman, Kraig Roozenboom, Alan Schlegel, and Daniel O’Brien. Grant amount: \$125,000 for year 2 of 3 year grant (continuing if approved) for the September 1, 2015 through August 31, 2016 period. Total of \$230,659 for 3-year life of grant.

*Kansas Corn Commission.* “Yield of two (corn) hybrid maturities as affected by management allowed depletion level.” Principal Investigator: Freddie Lamm. Other Investigator: Daniel O’Brien. Grant amount: \$18,000 for the July 1, 2014 through June 30, 2015 period.

*Ogallala Aquifer Initiative Grant.* “Crop Water Production Functions for Grain Sorghum and Winter Wheat.” Focus of this grant: to develop relationships among water use, grain productivity and weather parameters to produce production functions forecasting grain yields of grain sorghum and winter wheat in water-limited cropping systems. Principal Investigators: KSU scientists Robert Aiken, Xiamao Lin, and Loyd Stone. Daniel O’Brien of KSU is a co-investigator along with three others from KSU and ARS-Texas. Grant amount: \$41,500 per year for 2 years, equaling \$83,000 – for October 2013-October 2015.

*Kansas Water Resources Institute.* “Moving Towards a Real-Time Drought Assessment and Forecasting System for Kansas.” Focus of this grant: to develop a real-time Kansas drought assessment and forecasting system in order to improve Kansas’s decision

making in regards to economic efficiency and sustainability. Principal Investigators: KSU scientists Xiaomao Lin, Gerard Kluitenberg, Robert Aiken, and Daniel O'Brien. Grant amount: \$14,430 per year over a two-year period, totaling \$28,860 – for March 2014 through February 2016.

*Ogallala Aquifer Initiative Grant.* “Determining Profitable Integrated Grain and Forage Crop Rotations for the Ogallala Aquifer Region.” Focus of this grant: to integrate grain and annual forage crops together in crop rotations that reduce fallow, increase precipitation use efficiency, and increase profitability. Principal Investigators: KSU scientists John Holman, Alan Schlegel and Daniel O'Brien. Grant amount: \$46,021 per year for two years, with total = \$92,042 – January 2014 through December 2015.

### **Grant Activity (Currently Under Consideration)**

*Kansas Corn Commission Grant.* “Corn Management Decision Guiding Website and Mobile App.” Principal Investigator: Ignacio Ciampitti (lead). Other Investigators: B. McCornack, Y. Assefa, D. O'Brien, V. Prasad, W. Johnson, I. Kisekka, D. Shoup, L. Haag, S. Duncan, and A.J. Foster. Grant amount: \$39,350 for the July 1, 2016 through June 30, 2017.

*Kansas Corn Commission Grant.* “Improving Water and Nutrient Efficiency through Advanced Subsurface Drip Irrigation.” Principal Investigator: Freddie Lamm (lead). Other Investigators: A. Schlegel and D. O'Brien. Grant amount: \$10,000 for the July 1, 2016 through June 30, 2017.

*Ogallala Aquifer Initiative Grant.* “Climate impact indicators to mitigate risk in dryland cropping systems.” Focus of this grant: to evaluate the relationships among effective weather metrics, climate signals, and dryland crop productivity in relation to hydrologic, agronomic, and economic uncertainty. Principal Investigators: KSU scientists Aavudai Anandhi Swami and Robert Aiken. Co-Investigators: L. Baumhardt, R. Schwartz, A. Schlegel, D. Devlin, M Kirkham, D. O'Brien, S. Mauget, and X. Lin. Grant amount: \$70,000 per year for two years, with total = \$140,000 – January 2016 through Dec. 2017.

### **Out-of-State Invited and Presented Applied Research Papers:**

Moderly, J, R. Aiken, X. Lin, L. Stone, A. Schlegel, L. Baumhardt, R. Schwartz, and D. O'Brien. “Crop water functions for grain sorghum and winter wheat.” Abstract of a presentation at the *ASA/CSSA/SSSA Annual meeting*, November 6-9, 2015. *ASA Abstracts* 95-1(2015).

Schlegel, A., D.M. O'Brien, and L. Haag. “Dryland Cropping Systems for the Central High Plains of North America.” Submitted abstract for the *70<sup>th</sup> Soil and Water Conservation Society (SWCS) International Annual Conference*, Greensboro, NC. July 26-27, 2015.

O'Brien, D., and F. Olson. “The Competitive Position of the Black Sea Region in World Wheat Export Markets.” Presented at the *NCCC-134 Applied Commodity Price Analysis*,

- Forecasting and Market Risk Management Conference*, St. Louis, Missouri. April 21-22, 2014.
- Langemeier, M, E. Yeager, and D. O'Brien. "Cost Efficiency and Feed Grain Production in Kansas." Presented at *Southern Agricultural Economics Association Annual Meetings*, Orlando, FL. February 4-7, 2013.
- Wisner, R., D. Anderson, R. Plain, D. Hofstrand, and D.M. O'Brien. "Future Patterns for Grains, Biofuels, and Livestock and Poultry Feeding in the U.S." Report on a project financed by the American Feed Industry Association (AFIA) and C-FARE, and presented at the *Federation of Animal Sciences Symposium*, Phoenix, AZ, July 17, 2012, and also to the *USDA ERS Economists Group*, Washington, D.C.. December 14, 2012.
- Lamm, F.R., D.M. O'Brien, D.H. Rogers, and T.J. Dumler. "Comparison of SDI and center pivot sprinkler economics." In: *Proc. 2012 Irrigation Association Tech. Conf.*, Orlando, FL, November 4-5, 2012. Available from the IA, Falls Church, VA. CD-Rom, 10 pp.
- O'Brien, D. and F. Olson. "The Price Responsiveness of U.S. Wheat Export Demand by Class." *NCCC-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, St. Louis, MO. April 16-17, 2012.
- O'Brien, D., and J. O'Neill. "The Feasibility of Railcar Track Delivery as an Alternative Settlement Option for KCBT Wheat Futures Contracts." Presented at the *NCCC-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, St. Louis, MO. April 18-19, 2011.
- O'Brien, D., T. Dumler, and R. Jones. "The Economics of Selling Crop Residue Biomass for Cellulosic Ethanol Production at the Farm Level." Presentation at the *2010 Agriculture and Applied Economics Association Annual Meeting*, Denver. Colorado, July 25-27, 2010.
- O'Brien, D., F. Lamm, D. Rogers, and T. Dumler. "Effect of the Changing U.S. Economy on the Relative Profitability of Center Pivot Sprinklers and SDI Systems." Paper presented at the *Annual Meeting of the Irrigation Association* in San Antonio, Texas. December 2-4, 2009.
- O'Brien, D. "The Effects of the Micro-Market Structure for Kansas Grain Elevators on Spatial Grain Price Differentials." Presented at the *NCCC-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, St. Louis, Missouri. April 20-21, 2009.
- O'Brien, D. and J. O'Neill. "The Feasibility of Railcar Track Delivery as an Alternative Settlement Option for KCBT Wheat Futures Contracts." Presented at the *NCCC-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, St. Louis, Missouri. April 18-19, 2011.
- O'Brien, D., T. Dumler, and R. Jones. "The Economics of Selling Crop Residue Biomass for

- Cellulosic Ethanol Production at the Farm Level.” Presented at the *AAEA, CAES, and WAEA Joint Annual Meeting*, Denver, CO. July 25-27, 2010.
- O’Brien, D. “Measuring Supply – Use for Distiller’s Grains.” Presentation at the *2010 Distillers Grains Symposium*, sponsored by the Distillers Grains Technology Council, Indianapolis, IN. May 12-13, 2010.
- Lamm, F., D. O’Brien, D. Rogers, and T. Dumler. “How Economic Factors Affect the Profitability of Center Pivot Sprinkler and SDI Systems.” Proceedings of the *Central Plains Irrigation Conference*, Kearney, NE. February 23-24, 2010.
- Lamm, F., D. Rogers, M. Alam, D. O’Brien, and T. Trooien. “Twenty-Two Years of SDI Research in Kansas.” Proceedings of *23rd annual Central Plains Irrigation Conference*, Burlington, CO. February 22-23, 2011. Available from CPIA, 760 N.Thompson, Colby, KS, pp. 68-92.
- Lamm, F., D. O’Brien, D. Rogers, and T. Dumler. “Using the K-State Center Pivot Sprinkler and SDI Economic Comparison Spreadsheet - 2011.” Proceedings of *23rd annual Central Plains Irrigation Conference*, Burlington, CO, February 22-23, 2011. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 93-103.
- O’Brien, D., and M. Woolverton. “A Case Study of the Impact of Bioenergy Development Upon Crop Production, Livestock Feeding, and Water Resource Usage in Kansas.” Selected paper presented at the *American Agricultural Economics Association Annual Meeting*, Orlando, Florida. July 27-29, 2008.
- Lamm, F., D. O’Brien, D. Rogers, and T. Dumler. “Sensitivity of center pivot sprinkler and SDI economic comparisons.” Presented at the *Mid-Central American Society of Agricultural Engineers (ASAE) meeting*, St. Joseph, MO, April 12-13, 2002. ASAE Paper no. MC02-201. ASAE, St. Joseph, MI. 10 pp., 2002.
- O’Brien, D.. “Do Profitable Grain Marketing Strategies Exist for Kansas Crops?” Selected paper presented at the *American Agricultural Economics Association Annual Meeting* in Tampa, Florida. July 30-August 2, 2000.
- Sartwelle, J., D. O’Brien, W. Tierney, T. Eggers, and W. Barker. “Producers’ Marketing Practices and Decision Making Processes.” Proceedings of *NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, Chicago, IL. pp. 381-394, 1998.
- Wisner, R., E. Blue, E. Baldwin, G.A. Barnaby Jr., and D. O’Brien. “Crop Insurance and Pre-harvest Pricing of Corn and Soybeans: Case Studies for Selected States and Farms.” Presented at the *NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, Chicago, Illinois. April 20-21, 1998.

- O'Brien, D., D. Rogers, F. Lamm, and G. Clark. "Economics of SDI for Corn in Western Kansas." Paper presented at the *Annual Meeting of the American Society of Agricultural Engineering* in Minneapolis, Minnesota. August 10-14, 1997.
- Delano, D., J. Williams, and D. O'Brien. "An Economic Analysis of Flood and Center Pivot Irrigation System Modifications." Paper presented at the *Annual Meeting of the American Agricultural Economics Association* in Toronto, Ontario. July 27-30, 1997.
- Sartwelle, J., D. O'Brien, and W. Barker. "Producers' Preferences for Market Outlook Information." Presented at the *NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, Chicago, Illinois. April 21-22, 1997.
- O'Brien, D., and R. Wisner. "Development of Alternative Wheat and Corn Price Forecasting Models." Presented at the *NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, Chicago, Illinois. April 21-22, 1997.
- O'Brien, D., and R. Wisner. "The Performances of Probability-Based Grain Marketing Strategies." Proceedings of *NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, Chicago, Illinois, pp. 323-335, 1995.
- Hayenga, M. and D. O'Brien. "Competition for Fed Cattle in Colorado and Other Markets: The Impact of the Decline of Packers and the Ascent of Contracting." Presented at the *NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference*, Chicago, Illinois. April 1990.

## **SOFTWARE**

- Rogers, D., J. Aguilar, D. O'Brien, and B. Golden. "Kansas State University Crop Water Allocator Program Update." <http://www.bae.ksu.edu/mobileirrigationlab/crop-water-allocator>. For public release in January-February, 2016.
- Lamm, F. and D.M. O'Brien. "Economically optimal corn plant population at various irrigation capacities using subsurface drip irrigation (SDI)." <http://www.ksre.ksu.edu/sdi/Software/SDISoftware.htm>, January 17, 2012.
- Lamm, F., D.M. O'Brien, D.H. Rogers, and T.J. Dumler. "Economics of Converting Existing Furrow Irrigated Fields to Center Pivot Sprinkler Irrigation (CP) or Subsurface Drip Irrigation (SDI) for Corn Production." <http://www.ksre.ksu.edu/sdi/Software/SDISoftware.htm>, October 27, 2012.
- Lamm, F., D.M. O'Brien, D.H. Rogers, and T.J. Dumler. "Economics of Converting Existing Furrow Irrigated Fields to Center Pivot Sprinkler Irrigation (CP) or Subsurface Drip Irrigation (SDI) for Corn Production." <http://www.ksre.ksu.edu/sdi/Software/SDISoftware.htm>, February 9, 2011.



## JOURNAL ARTICLES

- Schlegel, A, Y. Assefa, D. O'Brien, F. Lamm, L. Haag, and L. Stone. "Comparison of corn, grain sorghum, soybean, and sunflower under limited irrigation." *Agronomy Journal* (2016) (forthcoming issue).
- Lamm, F, D. O'Brien, and D. Rogers. "Economic Comparison of Subsurface Drip and Center Pivot Sprinkler Irrigation Using Spreadsheet Software." Technical Note in *Applied Engineering in Agriculture* (2016) (forthcoming issue).
- Schlegel, A., O'Brien, D., and L. Haag. "Dryland Cropping Systems for the Central High Plains of North America." Abstract for the 70<sup>th</sup> *Soil and Water Conservation Society (SWCS) International Annual Conference*, Greensboro, NC. July 26-27, 2015.
- Aiken, R., D. O'Brien, B. Olson, and L. Murray. "Replacing Fallow with Continuous Cropping Reduces Crop Water Productivity of Semiarid Wheat." *Agronomy Journal* 105(2013)1: 199-207.
- Lamm, F., P. Colaizzi, J. Bordovsky, T. Trooien, J. Enciso-Medina, D. Porter, D. Rogers, and D. O'Brien. "Can Subsurface Drip Irrigation (SDI) be a Competitive Irrigation System in the Great Plains Region for Commodity Crops?" *American Society of Agricultural and Biological Engineers (ASABE) paper no. IRR10-9686*, presented at the *Annual Meeting of the Irrigation Association* in Phoenix, Arizona. December 5-8, 2010.
- Aiken, R.M., D. O'Brien, B. Olson and L. Murray. "Crop sequence effects on wheat water use, productivity and economic returns." *Agronomy Abstracts /AnMtgsAbsts2009.54699*
- Lamm, F., D. Rogers, M. Alam, D. O'Brien, and T. Trooien. "Twenty years of progress with SDI in Kansas." *American Society of Agricultural and Biological Engineers (ASABE) paper no. 095923*. Available from ASABE, St. Joseph, MI. 23 pp., 2009.
- Lamm, F., L. Stone, and D. O'Brien. "Crop production and economics in Northwest Kansas as related to irrigation capacity." *Applied Engineering in Agriculture* 23(6):737-745, 2007.
- Lamm, F., R. Aiken and D. O'Brien. "Tillage and Irrigation Capacity Effects on Corn Production." *American Society of Agricultural and Biological Engineers (ASABE) paper no. 072283*. Available from ASABE, St. Joseph, MI. 16 pp., 2007.
- Lamm, F., L. Stone, and D. O'Brien. "Crop Production in Western Kansas as Related to Irrigation Capacity." International paper published by the *American Society of Agricultural and Biological Engineers (ASABE)*, paper no. 062208. Available from ASABE, St. Joseph, MI. 13 pp., 2006.
- O'Brien, D., F. Lamm, L. Stone, and D. Rogers. "Corn yields and profitability for low-capacity irrigation systems." *Applied Engineering in Agriculture* 17(3):315-321, 2001.

Sartwelle, J., D. O'Brien, W. Tierney, T. Eggers, and W. Barker. "The Effect of Personal and Farm Characteristics Upon Grain Marketing Practices." *Journal of Agricultural and Applied Economics*, 32,1(April 2000):95-111.

Lust, T, G. Barnaby, D. O'Brien, and M. Waller. Chapter 3.6 Marketing, in *Sorghum: Origin, History, Technology and Production*, editor C. Wayne Smith. Wiley Series in Crop Science, 2000.

O'Brien, D., D. Rogers, F. Lamm, and G. Clark. "An Economic Comparison of Subsurface Drip and Center Pivot Sprinkler Irrigation Systems." *Applied Engineering in Agriculture* 14(4): 391-398, 1998.

Lamm, F., L. Stone, H. Manges, and D. O'Brien. "Optimum Lateral Spacing for Subsurface Drip-Irrigated Corn." *Transactions of the ASAE* (American Society of Agricultural Engineers), 40(4): 1021-1027, 1997.

O'Brien, D., M. Hayenga, and B. Babcock. "Deriving Forecast Probability Distributions of Harvest-Time Corn Futures Prices." *Review of Agricultural Economics* 18:167-180, 1996.

Hayenga, M. and O'Brien, D. "Packer Competition, Forward Contracting Price Impacts, and the Relevant Market for Fed Cattle." Published in *Pricing and Coordination in Consolidated Livestock Markets*, edited by Wayne Purcell, pp. 45-66, 1992.

### Posters:

Olson, F, and D. O'Brien. "Competitive Position and Price Integration of Black Sea Region Wheat." Selected poster at the *Agricultural and Applied Economics Annual Meetings*, Washington, D.C.. August 4-6, 2013.

O'Brien, D., and R. Wisner. "Alternative Grain Price Benchmarks for Evaluating Marketing Performance." Selected poster at the *American Agricultural Economics Association Annual Meeting*, Long Beach, California, July 28-31, 2002.

Aiken, R. and D. O'Brien. "Water use and land productivity for ten rain-fed cropping sequences." Poster at the *Water and the Future of Kansas Conference*, Topeka, KS, March 25, 2008.

Lamm, F., D. O'Brien, D. Rogers, and T. Dumler. "Economics of Subsurface Drip Irrigation for Corn Production." Poster at the *Water and the Future of Kansas Conference*, Topeka, KS, March 25, 2008.

Lamm, F. and D. O'Brien. "Software for Planning Corn Production for Subsurface Drip Irrigation." Poster at the *Water and the Future of Kansas Conference*, Topeka, KS, March 25, 2008.

## Selected Out-of-State Extension Publications, Presentations and Activities:

- O'Brien, D. "Wheat Market Outlook for 2015-2016." Presentation at *Extension Midwest Outlook Conference*, Louisville, KY, August 13-14, 2015.
- O'Brien, D. "A Response to the Corn, Soybean & Wheat Market Situation & Outlook Presentations." Presentation at *Extension Midwest Outlook Conference*, Indianapolis, IN, August 13-14, 2013.
- O'Brien, D. "Wheat Market Situation & Outlook." Presentation at Extension Outlook Session, *Agricultural and Applied Economics Annual Meetings*, Washington, D.C.. August 4-6, 2013.
- Wisner, R., D. Anderson, R. Plain, D. Hofstrand, and D. O'Brien. "Future Patterns for Grains, Biofuels, and Livestock and Poultry Feeding in the U.S.," Moderator of meeting to review report's findings to the *USDA Economic Research Service Economist Group*, Washington, DC.. December 14, 2012.
- O'Brien, D. "Wheat Market Situation & Outlook." Presentation at the *Extension Midwest Outlook Conference*, Kansas City, MO. August 20-21, 2012.
- Wisner, R. and D. O'Brien. "Bioenergy and Corn Market Situation and Outlook." Presented for Extension Outlook Session, *2011 AAEA & NAREA Joint Annual Meeting*, Pittsburgh, PA. July 24-26, 2011.
- O'Brien, D. "Wheat Market Situation & Outlook." Presented at the *Livestock Marketing Information Center Industry Outlook Conference*, Denver, CO. April 4, 2011.
- O'Brien, D. "Grain Marketing: Prices, Principles & Strategies." Presented at *Risk Assessed Marketing Workshops* in Wyoming, March 2011.
- O'Brien, D. "Grain Market Situation and Outlook." Presented at *Cornhusker Economics Conference(s)* in Nebraska. February 2011.
- O'Brien, D. "Grain Marketing: Prices, Principles & Strategies." Presented at *Risk Assessed Marketing Workshop*, Brigham City, UT. November 29, 2010.
- O'Brien, D. "Projected U.S. Corn Exports, Acreage & Production Under E-10, E-12 & E-15 Ethanol Policies." Presented at the *2010 Extension Midwest, Great Plains & Western Outlook Conference*, Omaha, NE. August 16-17, 2010.
- O'Brien, D. "Corn Market Situation and Outlook." Presentation at the *2010 Extension Midwest, Great Plains & Western Outlook Conference*, Omaha, NE. August 16-17, 2010.
- O'Brien, D.. "The Economics of Selling Crop Residue Biomass for Cellulosic Ethanol Production at the Farm Level." Presentation at the *Agriculture and Applied Economics Association Annual Meetings*, Denver, Colorado. July 25-27, 2010.

- O'Brien, D.. "Measuring Supply – Use for Distiller's Grains." Presentation at the *2010 Distillers Grains Symposium*, sponsored by the Distillers Grains Technology Council, Indianapolis, Indiana. May 12-13, 2010.
- O'Brien, D. "Projected U.S. Corn Exports, Acreage and Production Under E-10, E-12 and E-15 Ethanol Policies." Article in *Feedstuffs* magazine, 2010.
- O'Brien, D., F. Lamm, D. Rogers, and T. Dumler. "Effect of the Changing U.S. Economy on the Relative Profitability of Center Pivot Sprinklers and SDI Systems." Paper presented at the *Annual Meeting of the Irrigation Association*, San Antonio, TX. December 2-4, 2009.
- O'Brien, D. "Wheat Market Situation and Outlook." Presentation at the *Agricultural and Applied Economics Association Meetings*, Milwaukee, WI. July 26-28, 2009.
- O'Brien, D. and M. Woolverton. Series of sixteen articles on Ethanol / Bioenergy Markets for Iowa State University *Ag Marketing Resource Center Newsletter* Articles, 2009-2010.
- O'Brien, D.M., J. Deering, and P. Burgener. "Sunflower Cost-Return Prospects." Section of the *High Plains Sunflower Production Handbook*. K-State Research and Extension Publication, MF-2384, (Revised) April 2009.
- Rogers, D., F. Lamm, and D.M. O'Brien. "Software for Planning Corn Production for Subsurface Drip Irrigation." Proceedings of the *Central Plains Irrigation Conference*, Greeley, CO. February 19-20, 2008.
- O'Brien, D. "Iowa Farm Outlook Newsletter". *Iowa State University Extension Service* (Thirty-eight articles on grain and/or livestock market analysis, price outlook, and strategies), August 31, 1989 through June 15, 1994, and March 1, 2008.
- O'Brien, D. "Irrigated Cost of Production and Leasing Arrangements." Proceedings of the *Central Plains Irrigation Conference*, Kearney, Nebraska. February 27-28, 2007.
- O'Brien, D.. "Wheat Market Situation and Outlook." Presentation at the Extension Outlook Session of the *American Agricultural Economics Association Annual Meeting.*, Long Beach, California. July 29, 2002.
- O'Brien, D.. "Wheat Market Situation and Outlook." Presentation at the Extension Outlook Session of the *American Agricultural Economics Association Annual Meeting.*, Tampa, Florida. July 30-August 2, 2000.
- O'Brien, D.. "A Second Opinion on Wheat, Feedgrain & Oilseed Outlook." Presentation at the *1998 Midwest Outlook Conference*, Kansas City, Missouri. August 13-14, 1998.

O'Brien, D.. "Wheat Market Situation and Outlook." Presentation at the Extension Outlook Session of the *American Agricultural Economics Association Annual Meeting*, Indianapolis, Indiana. August 6-9, 1995.

O'Brien, D.. "Wheat Market Situation and Outlook." Presentation at the *1995 Midwest Outlook Conference* in Louisville, Kentucky. August 14-16, 1995.

O'Brien, D.. "Cattle Market Situation and Outlook." Presentation at the *Midwest Outlook Conference*, Brookings, South Dakota. August 16-17, 1990.

Wisner, R., D. O'Brien, and S. Monson. "Corn and Soybean Basis Patterns for NW, NC, NE, SW, SC and SE Iowa.", M-1211, *Iowa State University Extension Service*, 1990.

Futrell, G., K. Dhuyvetter, and D. O'Brien. "Trends In Hog Production and Production Efficiency, 1970-1987." *Iowa State University Department of Economics Report No. 22*, 1988.

## Selected Kansas In-State Extension Publications, Presentations, and Media Activity

### *Extension Publications on Kansas State University AgManager.info Website*

O'Brien, D. "Grain Market Situation and Outlook." Thirty-two (32) articles on grain market situation and outlook for the *K-State Ag Econ Extension Agmanager.info website*, January-December 2015 (30 articles in 2014).

O'Brien, D. "Weekly Grain Market Commentary." Forty-four (44) sets of written materials developed to support the weekly *KSU Agriculture Today Radio Program*, made available on the *K-State Ag Economics Extension Agmanager.info website*, January-December 2015 (47 articles in 2014).

O'Brien, D.M. Selected "K-State Grain & Bioenergy Market Presentations." Twelve (12) sets of materials (monthly) made available on the *K-State Ag Economics Extension Agmanager.info website*, January-December 2015 (10 sets of materials in 2014).

O'Brien, D. and various authors. "KSU Farm Management Guide Crop and Livestock Production Cost-Return Budgets." (series). K-State Research and Extension, 1995-2002 and 2007-2015.

### *Annual KSU Risk and Profit Conference Presentations*

O'Brien, D. "Grain Market Updates." *Annual Risk and Profit Conferences*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 2004, 2009-2015.

O'Brien, D. "Kansas Grain Industry Trends." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 20-21, 2015.

- O'Brien, D. "Black Sea Wheat Market Integration with World Wheat Markets." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 20-21, 2014.
- O'Brien, D. "Corn and Grain Sorghum Production Efficiency in Kansas." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 21-22, 2013.
- O'Brien, D. "Bioenergy Economics: Current Situation and 2012-2013 Outlook." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 16-17, 2012.
- O'Brien, D. "2011-2012 Grain Market Outlook and Basis Issues: A Deeper Look." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 18-19, 2011.
- O'Brien, D. "HRW Wheat Basis and Cash-Futures Convergence Issues in 2010." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 19-20, 2010.
- O'Brien, D. "The Impact of Kansas Grain Industry Structure on Corn and Wheat Bids." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 20-21, 2009.
- O'Brien, D. "Grain Handling and Transportation in Western Kansas." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 16-17, 2008.
- Woolverton, M. and D.M. O'Brien. "Global Supply & Demand: Can We Feed the World – Parts I & II." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 14-15, 2008.
- O'Brien, D. "Grain Handling and Transportation Systems in Western Kansas." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 16-17, 2007.
- Wahl, R., M. Wood, and D. O'Brien. "Factors Affecting Farm Financial Performance in Northwest Kansas." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 17-18, 2000.
- O'Brien, D., and T. Dumler. "Strategic Planning for Two Generation Farming." *Risk and Profit Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 20-21, 1998.

Albright, M., D. O'Brien, and J. Sartwelle. "Kansas Crop Share Leasing Arrangements." Presentation at the *K-State Ag Land Values Conference*, Department of Agricultural Economics, Kansas State University, Manhattan, KS. 23-24, 1996.

### *Other Annual State-wide KSU Conference & Workshop Presentations*

O'Brien, D.M. "Grain Market Outlook." *Kansas Agricultural Lenders Conferences*, Department of Agricultural Economics, Kansas State University, Garden City, KS, and Manhattan, KS, Fall (October) 2009-2015.

O'Brien, D. "Grain Market Outlook." *Kansas Crop Insurance Workshops*, Department of Agricultural Economics, Kansas State University, Salina, KS. Nov. 2009-2010, 2012-2015.

O'Brien, D.M. "U.S. Ethanol Market and Policy Outlook." *Crop Insurance Workshops* in Colorado, Nebraska, Kansas, and Oklahoma. November 1-4, 2011

O'Brien, D.M. "Grain Marketing: Prices, Principles & Strategies." *Risk Assessed Marketing Workshops* in Kansas, 2009-2015.

### *Other Selected Extension Presentations, Publications and Activities in Kansas*

O'Brien, D. and other Co-Presenters. Various grain marketing, farmland leasing, farm policy, and crop production economics topics at northwest Kansas KSU *Cover Your Acres Conferences*, January 2007-2015.

Lamm, F., D. O'Brien, and D. Rogers. "Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet – 2015." In: *Proc. 27th annual Central Plains Irrigation Conference*, February 17-18, 2015, Colby, Kansas. Available from CPIA, 760 N. Thompson, Colby, Kansas.

Lamm, F., D. O'Brien, and D. Rogers. "Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet – 2014." In: *Proc. 26th annual Central Plains Irrigation Conference*, February 25-26, 2014, Burlington, Colorado. Available from CPIA, 760 N. Thompson, Colby, Kansas.

Lamm, F.R., D.M. O'Brien, D.H. Rogers, and T.J. Dumler. "Using the K-State Center Pivot Sprinkler and SDI Economic Comparison Spreadsheet - 2012." Proceedings of the *Central Plains Irrigation Conference*, Colby, KS. February 21-22, 2012.

O'Brien, D., T. Dumler, and R. Madl. "What to Consider with Cellulosic Biomass Production." *Kansas Wheat District Meetings* presentation on [www.agmanager.info](http://www.agmanager.info), February 5, 2009.

Lamm, F., D. O'Brien, D. Rogers, and T. Dumler. "Using the K-State Center Pivot Sprinkler

- and SDI Economic Comparison Spreadsheet - 2009.” Proceedings of the *Central Plains Irrigation Conference*, Colby, KS. February 24-25, 2009.
- O’Brien, D. and M. Woolverton. “Bioenergy Trends and Economic Impacts.” *Kansas Water and Energy Conferences* organized by the Kansas Water Office and K-State Research and Extension, Wichita, KS, December 10, and Hays, KS, December 11, 2008.
- O’Brien, D. “Ethanol Impacts on Kansas Grain Production.” *Kansas State University Biofuels Symposium*, Manhattan, KS, September 16, 2008.
- O’Brien, D.M. and M. Woolverton. “Status of Grain Based Ethanol Production, Transportation and Profitability in Kansas.” *Special Legislative Committee on Energy and Environmental Policy*, Topeka, KS, August 12, 2008.
- O’Brien, D.M. and M. Langemeier. “Kansas Wheat Acreage and Net Returns.” *KSU Wheat Production Handbook*, April 2008.
- Golden, B.B., J.M. Peterson, and D.M. O’Brien. “Potential Economic Impact of Water Use Changes in Northwest Kansas.” *Staff Paper 08-02* Kansas State University Agricultural Experiment Station and Cooperative Extension Service. March 2008.
- Woolverton, M., and D. O’Brien. “Economics of Bioenergy Growth in Kansas.” *Kansas Bioenergy and Water Public Meetings*, Kansas Water Office and K-State Research and Extension, Emporia, Kansas, December 5, 2007; Garden City, Kansas, December 7, 2007.
- O’Brien, D. “Farmland Values and Rental Rates in Northwest Kansas.” *Real Estate Seminar*, Colby, KS. April 3, 2007.
- O’Brien, D. “Spatial Grain Market Economics: Handling and Transportation.” *Kansas State University MAST Program*, Manhattan, KS. (Revised) December 21, 2007.



## Extension Publications, Presentations and Media/Social Media Activities:

Extension educational presentations and contacts annually from 1995 through 2015 relating to the subject matter areas of Grain Market Outlook & Transportation, Bioenergy Economics, Commodity Price Risk Management, and Farm Programs & Crop Insurance.

Year	Public Presentations	Professional Contacts	Radio / TV / Print Media
1995	27	883	--
1996	42	1,527	--
1997	32	672	--
1998	18	465	--
1999	39	1,021	--
2000	34	778	--
2001	36	1,003	--
2002	39	1,777	--
2003-2006	KSU Administrative Responsibilities		
2007	34	585	--
2008	50	2,017	8
2009	46	1,597	26
2010	44	1,859	65
2011	45	2,256	67
2012	41	1,804	181
2013	34	1,607	191
2014	51	2,729	171
2015	29	2,716	173

- **Presentations:** In year 2015 Daniel M. O'Brien gave 29 grain market and/or bioenergy market situation/outlook, grain price risk management, and/or farm bill educational presentations to a total of 2,041 people – an average of 70.4 per presentation. Of these presentations, all 29 were given in the role of primary presenter, while no others were given as a co-presenter. This compares to 51 presentations to 2,581 people in 2014 (average = 50.6 per presentation), and 34 presentations to 1,489 people in 2013 (average = 38.2 per presentation).
- **Professional Consultations / Questions:** Individual consultations were provided to 90 Extension clientele in 2015 related to grain and bioenergy market situation/outlook, farm bill, and grain price risk management issues. This number is up from 76 in 2014, 72 in 2013 and 59 in 2012.
- **Total Professional Contacts** related to grain and bioenergy market situation/outlook and grain price risk management issues in 2015 equaled 2,716 clientele, down from 2,729 in 2014, while up from 1,607 contacts in 2013, and 1,804 contacts in 2012.
- **Media Articles:** During year 2015, O'Brien wrote or contributed to 109 print and/or electronic media articles in this subject matter area, with 102 of them made available on the departmental KSU AgManager.info website. In addition, contributions were made to 64 popular agricultural

media articles, providing analyses on grain marketing trends and other key market factors. This compares to 2014, when 108 print and/or electronic media articles were written or contributed to, respectively, with 98 available on AgManager.info, respectively, and 24 others available through popular agricultural media, respectively.

- **Radio Programs:** In year 2015, O'Brien contributed to 64 public radio programs focusing on grain market and/or bioenergy market situation/outlook and grain price risk management issues. Of these, 50 were presented as a weekly, state-wide grain market update on KSU Agriculture Today radio program. Another 12 radio interviews were associated with a monthly bioenergy market analysis program with WILL public radio in Illinois. The remaining 2 radio program contributions were provided to other local / northwest Kansas media interviews.

This compares to 2014 in which O'Brien contributed to 63 public radio programs in this subject matter area, with 49 available weekly through KSU focusing on grain markets, 10 through WILL in Illinois on bioenergy markets, and the remaining 4 with other state and national media.

- **Website for Extension Grain Marketing Information:** During 2015 the "Focused on Grains" blog has had 13,967 views from 8,299 visitors, with 115 posts published. This compares to 2014/2013 when the website had 15,782 / 12,959 views and 9,546 / 7,665 visitors, with 128/127 posts published. The purpose of the blog is to supplement the information available on the KSU AgManager.info website, focusing on "grain and bioenergy market information, analysis, and discussion". The website address is: <http://ksugrains.wordpress.com/>
- **Social Media for Extension Grain Marketing Information:** On **Twitter**® under the identifier "KSUGrains", 142 "tweets" related to grain marketing, bioenergy, and macro economic topics were made in 2015 – down from 181 in 2014, 218 in 2013, and from 513 in 2012. However, followers of the blog have increased in number over time. As of December 31, 2015, "KSUGrains" had approximately 1,765 followers, compared to 1,564 followers on January 28, 2015, to 1,286 followers on 12/31/2013, and 784 on 12/31/2012. "KSUGrains" was following 1,077 other Twitter® participants on December 31, 2015, up from 741 on 1/28/2015, 517 participants on 12/31/2013, and from 409 on 12/31/2012.
- Via **Facebook**® grain and bioenergy market information has also been made available under the identifier "Daniel O'Brien". As of December 31, 2015, this Facebook site had 498 followers, up from 402 followers on 1.28.2015, 268 on 12/31/2013, and from 145 on 12/31/2012. Of these, 206 were associated with agribusiness, agricultural producer groups, national / regional agricultural media, or other interested agricultural or farming audiences on 12/31/2015, up from 182 on 1/28/2015, 158 on 12/31/2013, and 84 on 12/31/2012.

Extension Cropping Systems and Farm Management Publications, Presentations, and Activities:

Extension Dryland and Irrigated Cropping Systems, Farmland Leasing, Farm Financial Management and other education presentations from 1995 through 2015.

Year	Public Presentations	Professional Contacts	Radio / TV / Print Media
1995	18	400	--
1996	20	523	--
1997	21	520	--
1998	18	601	--
1999	28	920	--
2000	36	761	--
2001	37	1,029	--
2002	39	687	--
2003-2006	Administrative Responsibilities		--
2007	30	1,290	--
2008	13	631	8
2009	6	142	4
2010	6	182	7
2011	3	111	5
2012	9	171	--
2013	9	442	9
2014	7	268	3
2015	2	205	0

- Presentations: In year 2015 Daniel M. O’Brien gave 2 cropping systems, farmland leasing, and/or farm financial management-related educational presentations to a total of 27 people. Of these presentations, both were given in the role of primary presenter. This compares to 2014 in which he gave 7 educational presentations in this subject matter area to a total of 173 people – with all 7 as the primary presenter. In 2013 a total of 9 educational presentations were given in this subject matter area to a total of 281 people – with all 9 as the primary presenter.
- Consultations/Questions: Individual consultations were provided to 74 Extension clientele in 2015 related to cropping systems, farmland leasing, and/or farm financial management-related issues – up from 62 in 2014, 60 in 2013, and 54 in 2012.
- Total Professional Contacts related to cropping systems, farmland leasing, and/or farm financial management-related education in 2015 equalled 205 people, down from 268 people in 2014, and 442 clientele in 2013, but up from 171 in 2012.

Graduate Student Supervision (As Major Professor – Master of Agribusiness Program)

Sousek, Nicholous. “Enhancing Grain Marketing Decisions: Farm Breakeven Analysis & Grain Sales Management.” MAB Thesis completion, December 2015.

Davis, Mark. “*Make or Buy, Feasibility of Intermediate Good Production.*” (focusing on the livestock feed ingredient industry). MAB Thesis completion, May 2012.

Flavin, Adam. “*Variable Storage Rate (VSR) Performance in the Chicago Wheat Futures Contract.*” MAB Thesis completion, May 2011.

Von Muhlen Filo, Walter. “Brazilian Wheat Import Markets.” MAB Thesis completion, May 2006.

Current as of January 8, 2016 by Daniel M. O’Brien