

## SCOTT H. IRWIN

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### Journal Articles in Progress

1. Irwin, Scott H. "Writing Papers in Economics Using FaKe LaTeX," in second review at the *Journal of Economic Surveys*.
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### **Papers in Proceedings<sup>1</sup>**

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## Selected Papers and Posters<sup>2</sup>

1. Karali, Berna, Olga Isengildina-Massa, and Scott H. Irwin. "Does Noise in Market Expectations Dilute Price Reactions to USDA Reports?" Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Washington, D.C., August 5-7, 2018.
2. Adjemian, Michael K., and Scott H. Irwin. "USDA Announcements in Real-Time." Selected paper presented at the Conference on New Direction in Commodity Research, J.P. Morgan Center for Commodities, Business School, University of Colorado-Denver, Denver, Colorado, August 9-11, 2017.
3. Yan, Lei, Scott H. Irwin, and Dwight R., Sanders. "Mapping Algorithms, Agricultural Futures, and the Relationship between Commodity Investment Flows and Crude Oil Futures Prices," Selected paper presented at the International Conference on Energy Finance, Academy of Financial Research, Zhejiang University, Hangzhou, China, May 25-27, 2017.
4. Yan, Lei, Scott H. Irwin, and Dwight R., Sanders. "Mapping Algorithms, Agricultural Futures, and the Relationship between Commodity Investment Flows and Crude Oil Futures Prices," Selected paper presented at the Commodity Markets Winter Workshop, Lillehammer, Norway, March 1-3, 2017.
5. Dias, Fernanda B., Scott H. Irwin, and Darrel L. Good. "US Yield Forecasting Using Crop Condition Rankings." Selected paper presented at the 2017 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 24-25, 2017.

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<sup>2</sup> Prior to 2000, abstracts of selected papers presented at the Annual Meeting of the American Agricultural Economics Association were published in the *American Journal of Agricultural Economics*. All papers from 2000 forward have been posted to the *AgEcon Search* website: <http://ageconsearch.umn.edu/>.

6. Yan, Lei, Scott H. Irwin, and Dwight R., Sanders. "The Relationship between Commodity Investment Flows and Crude Oil Futures Prices: Real or Spurious?" Selected poster presented at the Annual Meeting of the Agricultural and Applied Economics Association, Boston, Massachusetts, July 31-August 2, 2016.
7. Isengildina-Massa, Olga, Berna Karali, and Scott H. Irwin. "Market Reaction to Inefficiencies in USDA Crop Production Forecasts." Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Boston, Massachusetts, July 31-August 2, 2016.
8. Karali, Berna, Olga Isengildina-Massa, Scott H. Irwin, and Michael K. Adjemian. "Changes in Informational Value and the Market Reaction to USDA Reports in the Big Data Era." Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Boston, Massachusetts, July 31-August 2, 2016.
9. Wang, Xiaoyang, Philip Garcia and Scott H. Irwin. "Are Commodity Futures Getting Noisier? The Impact of High Frequency Quoting." Selected paper presented at the 2014 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 21-22, 2014.
10. Zhou, Wenjiao, Scott H. Irwin, and Philip Garcia. "The Quality of Price Discovery in the Corn and Live Cattle Futures Markets." Selected paper presented at the 2014 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 21-22, 2014.
11. Etienne, Xiaoli L., Scott H. Irwin, and Philip Garcia. "Dissecting Corn Price Movements with Directed Acyclic Graphs." Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Washington, D.C., August 4-6, 2013.
12. Zhou, Wenjiao, Scott H. Irwin, Philip Garcia and Mindy L. Mallory. "Electronic versus Open Outcry: Side-by-Side Trading in Live Cattle Futures Markets." Selected paper presented at the 2013 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 22-23, 2013.
13. Isengildina-Massa, Olga, Berna Karali, and Scott H. Irwin. "When Do USDA Forecasters Make Mistakes?" Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Seattle, Washington, August 12-14, 2012.
14. Mallory, Mindy L., Wenjiao Zhao, and Scott H. Irwin. "The Income Shifting Option in Forward Contracting." Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Seattle, Washington, August 12-14, 2012.

15. Wang, Xiaoyang, Philip Garcia, and Scott H. Irwin. "The Behavior of Bid-Ask Spreads in the Electronically Traded Corn Futures Market." Selected poster presented at the Annual Meeting of the Agricultural and Applied Economics Association, Seattle, Washington, August 12-14, 2012.
16. Pennings, Joost M.E., Philip Garcia, and Scott H. Irwin. "Accounting for Heterogeneity in Hedging Behavior: Comparing and Evaluating Grouping Methods." Selected paper presented at the 2011 International Congress of the European Association of Agricultural Economists, Zurich, Switzerland, August 30-September 2, 2011.
17. Joseph, Kishore, Philip Garcia, and Scott H. Irwin. "Commodity Storage Under Backwardation: Does The Working Curve Still Work?" Selected paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Pittsburgh, Pennsylvania, July 24-26, 2011.
18. Isengildina-Massa, Olga, Scott H. Irwin, and Darrel L. Good. "A Quantile Regression Approach to Estimating Confidence Intervals for WASDE Price Forecasts." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Orlando, Florida, July 27-29, 2008.
19. Peterson, Hikaru H., Philip Garcia, and Scott H. Irwin. "Ethanol and Corn Price Volatility: Should We Be Concerned?" Selected paper presented at the 2008 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 22, 2008.
20. Irwin, Scott H., Philip Garcia, and Darrel L. Good. "The Performance of the Chicago Board of Trade Corn, Soybean, and Wheat Contracts after 2005 Changes in Speculative Limits." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Portland, Oregon, July 29-31, 2007.
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27. Pennings, Joost M.E., Olga Isengildina, Scott H. Irwin, Darrel L. Good, Philip Garcia, Julieta M. Frank, and W. Erno Kuiper. "Complex Choices: Producers Risk Management Strategies." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005.
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61. Ward, Barry W., Scott H. Irwin, and Carl R. Zulauf. "The Predictability of Commodity Trading Advisor Returns." Selected paper presented at the Farm Income Enhancement Conference, Columbus, Ohio, February 26, 1991.
62. Sherrick, Bruce J., D. Lynn Forster, and Scott H. Irwin. "The Calibration of Expected Soybean Price Distributions: An Option-Based Approach." *American Journal of Agricultural Economics* 72(1990):1350.
63. Colling, Phil L., and Scott H. Irwin. "Are Pre-Release Estimates of USDA Hogs and Pigs Reports Rational?" *American Journal of Agricultural Economics* 72(1990):1353.
64. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "Non-Stationarity of Soybean Futures Price Distributions: Options-Based Evidence." *American Journal of Agricultural Economics* 72(1990):1354.
65. Weimar, Mark R., Terry L. Crawford, Ken E. Nelson, Scott Irwin, and Carl W. O'Connor. "Agricultural Livestock Outlook Programs: Effective Marketing Tools or Just an Academic Exercise?" *American Journal of Agricultural Economics* 72(1990):1328.
66. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "An Examination of Option-Implied S&P 500 Futures Price Distributions." Selected paper presented at the Annual Meeting of the Southern Finance Association, Savannah, Georgia, November 29, 1990.
67. Colling, Phil L., and Scott H. Irwin. "USDA Hogs and Pigs Reports and Live Hog Futures Prices." *American Journal of Agricultural Economics* 71(1989):1358.
68. Tinker, Jonathan N., Mary E. Gerlow, Scott H. Irwin, and Carl R. Zulauf. "Forecasting Soybean Complex Prices: Univariate and Multivariate Time Series Models." *American Journal of Agricultural Economics* 71(1989):1359.
69. Gerlow, Mary E., and Scott H. Irwin. "The Performance of Exchange Rate Forecasting Models: An Economic Evaluation." *Southern Journal of Agricultural Economics* 21(1989):186.
70. Irwin, Scott H., and Mary E. Gerlow. "Can Price Forecasts by Extension Economists be Used to Enhance Farm Income." Selected paper presented at the Farm Income Enhancement Conference, Columbus, Ohio, April 10, 1989.
71. Baldwin, E. Dean, Scott H. Irwin, Hassan Ahmed, and Robert Rye. "Hedging Effectiveness in a Vertical Marketing Channel." *American Journal of Agricultural Economics* 70(1988):1194.



72. Gerlow, Mary E., and Scott H. Irwin. "Economic Evaluation of Commodity Price Forecasts." *American Journal of Agricultural Economics* 70(1988):1195.
73. Hall, Joyce A., B. Wade Brorsen, and Scott H. Irwin. "The Distribution of Futures Prices: A Test of the Stable Paretian and Mixture of Normals Hypotheses." *American Journal of Agricultural Economic*. 69(1987):1086.
74. Frank, Stuart D., Dennis R. Henderson, and Scott H. Irwin. "US Agricultural Policy Effectiveness: An Analysis of Income and Capital Gains Returns Impacts." *American Journal of Agricultural Economics* 69(1987):1089.
75. Colling, Phil L., and Scott H. Irwin, "Has the Farm Sector Asset Market Been Too Volatile?" *American Journal of Agricultural Economics* 69(1987):1092.
76. Frank, Stuart D., George H. Pfeiffer, Charles E. Curtis, and Scott H. Irwin. "Analysis of Soybean Options Marketing Strategies." *American Journal of Agricultural Economics* 68(1986):1370-1371.
77. Lukac, Louis P., Brorsen, B. Wade, and Scott H. Irwin. "Similarity of Computer Guided Technical Trading Systems." *American Journal of Agricultural Economics* 68(1986):1373.
78. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "Returns to Capital in Agriculture: A Historical View Using Portfolio Theory." *American Journal of Agricultural Economics* 68(1986):1378.
79. Brorsen, B. Wade, and Scott H. Irwin. "Has the Growth of Commodity Pools Affected Price Volatility?" Selected paper presented at the NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 22, 1986.
80. Irwin, Scott H., and B. Wade Brorsen. "Technical Trading System Profits: Fact or Fiction?" *American Journal of Agricultural Economics* 67(1985):1280.
81. Irwin, Scott H., and B. Wade Brorsen. "The Performance of Futures Funds: Implications for Futures Market Efficiency." *American Journal of Agricultural Economics* 66(1984):907.

### Invited Scholarly Presentations<sup>3</sup>

1. “Agricultural Derivatives: Discussion.” Organized Symposium on Agricultural Derivatives: Insight into Market Participation from Survey and Regulatory Data, Annual Meeting of the Agricultural and Applied Economics Association, Washington, D.C., August 5-7, 2018.
2. “The Biodiesel Acreage Boom that Wasn’t.” Organized Symposium on Ongoing and Emerging Land Use Trade-offs Impacting Crop Outlook, Annual Meeting of the Agricultural and Applied Economics Association, Washington, D.C., August 5-7, 2018.
3. “Trilogy for Troubleshooting Convergence: Manipulation, Structural Imbalance, and Storage Rates.” Invited paper presentation at Protecting America’s Agricultural Markets: An Agricultural Commodity Futures Conference, Kansas City, KS, April 5-6, 2018.
4. “Is *farmdoc* the Future of Production Ag Extension?” Invited presentation to Extension Section, Annual Meeting of the Agricultural and Applied Economics Association, Boston, MA, July 31-August 2, 2017.
5. “Convergence in Grain Futures Markets.” Organized Symposium on Have the Land Grants Been Teaching Futures and Options Wrong for 50 Years? Annual Meeting of the Agricultural and Applied Economics Association, Boston, MA, July 31-August 2, 2017.
6. “When is a Push a Push? Reviewing Recent EPA Rulemakings on the Conventional Ethanol Mandate.” Organized Symposium on Reassessment of the Effectiveness of the Renewable Fuel Standard, Annual Meeting of the Agricultural and Applied Economics Association, Boston, MA, July 31-August 2, 2017.
7. “Energy.” Organized Symposium on Assessing the Pulse of the Next Farm Bill Debate, Annual Meeting of the Agricultural and Applied Economics Association, Boston, MA, July 31-August 2, 2017.
8. “Futures Market Regulation” Agricultural Policy Workshop, American Enterprise Institute, Washington, D.C., March 17-18, 2017.
9. “Biofuels Update: The Future is Brighter Than You Think.” Annual Meeting of the NCCC-117 Committee on Agricultural Finance, Chicago, Illinois, October 10-11, 2015.

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<sup>3</sup> All presentations by Scott H. Irwin except where joint presentation indicated.

10. "Bubbles, Froth, and Facts: The Masters Hypothesis and Recent Food Commodity Price Spikes." Keynote address at the IAMO Forum 2014: The Rise of the Emerging Economies: Towards Functioning Agricultural Markets and Trade Relations, Halle, Germany, June 25-27, 2014.
11. "Energy Futures Prices and Commodity Index Investment: New Evidence from Firm-Level Position Data." Bank of Canada Workshop on Financialization of Commodity Markets, Ottawa, Canada, March 20-21, 2014.
12. "USDA Stock Estimates for Corn." Organized Symposium on USDA Supply and Demand Estimates for the Grain Sector: In Need of an Extreme Makeover? Annual Meeting of the Agricultural and Applied Economics Association, Washington, D.C., August 4-6, 2013.
13. "Bubbles in Food Commodity Markets: Four Decades of Evidence." International Monetary Fund (IMF) Conference on Understanding International Commodity Price Fluctuations, Washington, D.C., March 20-21, 2013.
14. "Futures Markets and Speculation: Lessons from the Past for Today." Keynote address at the Second Risk Management and Commodity Trading Conference, Sao Paulo, Brazil, November 28, 2012."Futures Markets and Speculation: Lessons from the Past for Today." Chancellor's Lecture-University of Illinois, Chicago, Illinois, October 18, 2012.
15. "Commodity Index Investment and Food Prices: Does the Masters Hypothesis Explain Recent Price Spikes?" Plenary keynote presentation at the Triennial Meeting of the International Association of Agricultural Economists, Foz do Iguacu, Brazil, August 18-24, 2012.
16. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." National Bureau of Economic Research (NBER) Conference on Economics of Food Price Volatility, Seattle, Washington, August 15-16, 2012.
17. "Ethanol, Octane, and Drought: A Doomsday Machine for the U.S. Livestock Industry?" Organized Symposium on Livestock Outlook and Industry Issues, Annual Meeting of the Agricultural and Applied Economics Association, Seattle, Washington, August 12-14, 2012.
18. "How Agricultural Economics Saved Futures Markets." NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 16-17, 2012.
19. "Conventional Wisdom and the Impact of Increasing Market Volatility." Growing Forward in a Volatile Environment, Second Annual Canadian Agricultural Policy Conference, Ottawa, Canada, January 12-13, 2012.

20. "Index Funds, Financialization, and Commodity Futures Prices." The Interactions between Physical and Financial Energy Markets, International Energy Administration (EIA) and Organization of Petroleum Exporting Countries (OPEC) Workshop, Vienna, Austria, November 29, 2011.
21. "How Agricultural Economics Saved Futures Markets: An Untold Story of Leadership." William K. Deal Leadership Lecture, Iowa State University, October 25, 2011.
22. "Testing the Masters Hypothesis in Commodity Futures Markets." CFTC Conference on Commodity Markets, U.S. Commodity Futures Trading Commission, Washington, D.C., August 25-26, 2011.
23. "Speculation and Commodity Prices." Assessing the Potential Impact of Financial Investment in Commodities Markets on Commodity Prices and Volatility, Commodities Task Force Workshop, International Institute of Finance, Paris, France, July 6, 2011.
24. "Commodity Markets: Speculation and Fundamentals." Conference on Commodities, the Economy, and Money, Bank of Canada and Haskayne College of Business, University of Calgary, Calgary, Canada, June 23-24, 2011.
25. "Speculation and Food Price Volatility." Annual Colloquium of the Executive Directors of the World Bank, Washington, D.C., May 13, 2011.
26. "Agricultural Economists at the Ramparts: Speculation and Commodity Markets." Organized Symposium on Centennial Overview of Food and Agricultural Marketing Policy Issues, Annual Meeting of the Agricultural and Applied Economics Association, Denver, Colorado, July 25-27, 2010.
27. "The Impact of 'Financialization' in Commodity Futures Markets." 51st Session of the Working Party on Agricultural Policies and Markets, Organization for Economic Cooperation and Development, Paris, France, May 17-20, 2010.
28. "Index Funds, Spreads, and Non-Convergence in CBOT Grain Futures Contracts." Institutions and Policies to Manage Global Market Risks and Price Spikes in Basic Food Commodities: An Experts' Meeting, Food and Agricultural Organization of the United Nations, Rome, Italy, October 26-27, 2009. (presented by Eugene L. Kunda).
29. "The Role of Index Funds in the Recent Commodity Price Boom and Bust." Global Problems, Global Solutions: Towards Better Global Governance, WTO Public Forum 2009, World Trade Organization, Geneva Switzerland, September 28-30, 2009

30. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom (and Bust)." Confronting Food Price Inflation: Implications for Agricultural Trade and Policies, International Agricultural Trade Research Consortium Symposium, Seattle, Washington, June 22-23, 2009.
31. "Poor Convergence Performance of CBOT Corn, Soybean, and Wheat Futures Contracts: Causes and Solutions." Impact of Contract Design on Commodity Futures Market Performance, Economic Research Service-Commodity Futures Trading Commission-Farm Foundation Workshop, Washington, D.C., June 9-10, 2009.
32. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom." Invited Paper Session on Volatile Commodity Markets and Their Impact on the U.S. Grain Industry, Annual Meeting of the Southern Agricultural Economics Association, Atlanta, Georgia, January 31-February 3, 2009.
33. "Recent Delivery Performance of CBOT Corn, Soybean, and Wheat Futures Contracts." Commodity Futures Trading Commission-Farm Foundation-U.S. Department of Agriculture Academic Roundtable on Grain Futures Convergence Issues, Washington, D.C., December 11, 2008.
34. "Devil or Angel: The Role of Speculation in the Recent Commodity Price Boom." Farrell Distinguished Public Policy Lecture, Department of Food, Agricultural, and Resource Economics, University of Guelph, Ontario, Canada, November 19, 2008.
35. "300 Bushels in Every Field: The Rising Debate about Corn Trend Yields." James C. Snyder Lecture, Department of Agricultural Economics, Purdue University, April 11, 2008.
36. "Outlook vs. Futures: Three Decades of Evidence from Hog and Cattle Markets." Information, Policy, and the Food System Conference sponsored by the Food, Agricultural Marketing and Policy Section of the American Agricultural Economics Association, Washington, D.C., March 10, 2008.
37. "What I Wish I Knew 20 Years Ago about Writing and Submitting Journal Articles." Organized Symposium on Guidelines on Writing and Submitting Journal Articles, Annual Meeting of the American Agricultural Economics Association, Portland, Oregon, July 29-31, 2007.
38. "A Portfolio Approach to Extension Marketing Programs." Organized Symposium on What Is the Ideal Extension Marketing Program? Annual Meeting of the American Agricultural Economics Association, Long Beach, California, July 23-26, 2006. (with Darrel L. Good)

39. "Does the Performance of Illinois Corn and Soybean Farmers Lag the Market?" Principal Paper Session on New Facts on the Marketing Performance of U.S. Farmers, Annual Meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005.
40. "Writing Competitive, Outstanding Proposals?" Organized Symposium on Preparing Social Science Research Proposals: Competing with Small Fish in a Big Pond, or Small Fish in a Small Pond?" Annual Meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005.
41. "The Use and Abuse of Web Traffic Statistics for Program Evaluation." Organized Symposium on What Makes an Outstanding Extension Economics Web Site? Annual Meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005. (with Mark A. Althouse)
42. "Directions for Future Research and Policy on Producer Marketing and Risk Management." Organized Symposium on Markets for Tomorrow, Annual Meeting of the American Agricultural Economics Association, Tampa, Florida, July 30-August 2, 2000.
43. "Current Risk Management Tools and Their Usage: Price Risk." Pre-Conference on the New Risk Environment in Agriculture, Annual Meeting of the American Agricultural Economics Association, Toronto, Canada, July 26-30, 1997.
44. "Market Efficiency and Marketing to Enhance Income of Crop Producers." NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Chicago, Illinois, April 21-22, 1997. (with Carl R. Zulauf)
45. "New Evidence on the Value of Public Information in Commodity Markets." Fall Research Seminar, Chicago Board of Trade, Chicago, Illinois, December 4-5, 1994. (with Philip Garcia)
46. "Is There a Role for Public Sector Outlook? Academic Perspective." Free Session on The Role for Public Sector Outlook, Annual Meeting of the American Agricultural Economics Association Meetings, San Diego, California, August 7-10, 1994.
47. "The Perspective from Research." Organized Symposium on the Question of Whether All Tenured Faculty in Land Grant Colleges of Agriculture Should Carry a Three-Way Split Appointment Between Teaching, Research, and Extension, Annual Meeting of the American Agricultural Economics Association, San Diego, California, August 7-10, 1994.

48. "Research on Price Forecasting and Marketing Strategies: Improving Our Relevance." NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Chicago, Illinois, April 18-19, 1994. (with B. Wade Brorsen)
49. Irwin Scott H. "Theoretical Underpinnings of Publicly Funded Situation and Outlook Programs." Symposium on Re-Engineering Marketing Policies for Food and Agriculture, Agricultural and Food Marketing Consortium, Washington, DC, January 13-15, 1994.
50. "Expectations in Agricultural Sectors: A Review of the Concept and Its Use in Applied Research." Nordic Seminar on Risk Management in Agriculture, Copenhagen, Denmark, March 24-26, 1993. (with Cameron R. Thraen)
51. "Do Livestock Outlook Forecasts Beat the Futures Market?" Organized Symposium on Agricultural Livestock Outlook Programs: Effective Marketing Tools or Just an Academic Exercise? Annual Meeting of the American Agricultural Economics Association, Vancouver, British Columbia, August 5-8, 1990.
52. "The Economic Function of Futures Markets: Implications for Agricultural Development." Annual Conference on Problems and Perspectives of Agriculture, University of Sao Paulo, Piracicaba, Brazil, September 20, 1989.
53. "A Simulation Analysis of Commodity Options as a Policy Alternative." Symposium on Options, Futures, and Agricultural Commodity Programs, Economic Research Service, U.S. Department of Agriculture, May 9-10, 1988.
54. "Research on Agricultural Options Markets." Organized Symposium on Agricultural Options Markets and Government Policies, Annual Meeting of the American Agricultural Economics Association, Reno, Nevada, July 27-30, 1986.
55. "Analysis of Options-Type Programs." Organized Symposium on Back to the Market? - Commodity Markets as Substitutes for Federal Programs, Annual Meeting of the American Agricultural Economics Association, Ames, Iowa, August 4-7, 1985.

### **Other Scholarly Presentations<sup>4</sup>**

1. "Anticipatory Traders and Trading Speed." Paper discussion at the Conference on New Direction in Commodity Research, J.P. Morgan Center for Commodities, Business School, University of Colorado at Denver, Denver, Colorado, August 9-11, 2017.

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<sup>4</sup> All presentations by Scott H. Irwin except where joint presentation indicated.

2. "A Test of the Intertemporal Hedging Model of the Commodities Futures Market." Paper discussion at the Annual Meeting of the Eastern Finance Association, Hot Springs, Virginia, April 5, 1991.
3. "Estimating the Bid-Ask Spread in a Heteroskedastic Market: The Case of Foreign Currency Futures." Paper discussion at the Annual Meeting of the Eastern Finance Association, Hot Springs, Virginia, April 5, 1991.
4. "The Expected Spot Rate and Risk Premium Components of Treasury Bill Futures Rates." Paper discussion at the Annual Meeting of the Eastern Finance Association, Hot Springs, Virginia, April 4, 1991.
5. "Commodity Futures as an Asset Class." Organized symposium presentation at the Annual Meeting of the Eastern Finance Association, Charleston, South Carolina, April 7, 1990.
6. "Hedging Price Risk to Soybean Producers with Futures and Options." Paper discussion at the Annual Meeting of the Midwest Economics Association, Cincinnati, Ohio, April 2, 1989.
7. "The Value of Improved Price Forecasts to Livestock Producers." Paper discussion at the Annual Meeting of the Midwest Economics Association, Cincinnati, Ohio, April 2, 1989.

### Research Seminars<sup>5</sup>

1. "Trilogy for Troubleshooting Convergence: Manipulation, Structural Imbalance, and Storage Rates." Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, May 2, 2018.
2. "Is *farmdoc* the Future of Production Ag Extension?" Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, September 13, 2017.
3. "RINs and the RFS." Center for Advanced Bioenergy Research (CABER) Seminar, University of Illinois at Urbana-Champaign, February 23, 2015.
4. "The RFS, RINs, and Commodity Markets: What's All the Fuss About?" Program in Environmental and Resource Economics (pERE), University of Illinois at Urbana-Champaign, March 11, 2014.

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<sup>5</sup> All seminars presented by Scott H. Irwin except where joint presentation indicated.



5. "The RFS, RINs, and Gasoline Prices: Separating the Wheat from the Chaff." J.P. Morgan Center for Commodities, Business School, University of Colorado at Denver, Denver, Colorado, September 26, 2013.
6. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." Department of Applied Economics, ESALQ, University of Sao Paulo, Piracicaba, Brazil, November 30, 2012.
7. "Biofuel Policies and their Implications for the Grain and Oilseed Markets." Department of Economics, University of Sao Paulo, Sao Paulo, Brazil, November 27, 2012.
8. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." Department of Economics, Iowa State University, November 6, 2012.
9. "Futures Market Failure?" Department of Agricultural Economics, Purdue University, February 7, 2012.
10. "Testing the Masters Hypothesis in Commodity Futures Markets." International Economic Analysis Division, Bank of England, December 1, 2011.
11. "Testing the Masters Hypothesis in Commodity Futures Markets." Department of Economics, Iowa State University, October 24, 2011.
12. "Futures Market Failure?" Economic Research Service, U.S. Department of Agriculture, September 13, 2011.
13. "Futures Market Failure?" Directorate for Trade and Agriculture, Organization for Economic Cooperation and Development, Paris, France, July 8, 2011.
14. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom." Department of Agricultural Economics, University of California-Berkeley, Berkeley, California, April 2, 2010.
15. "Spreads and Non-Convergence in CBOT Grain Futures Contracts: Are Index Funds to Blame?" Department of Agricultural Economics, University of Nebraska, Lincoln, Nebraska, January 22, 2010.
16. "The Role of Index Funds in the Recent Commodity Price Boom and Bust." Directorate for Trade and Agriculture, Organization for Economic Cooperation and Development, Paris, France, September 30, 2009.

17. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom." Economic Research Service, U.S. Department of Agriculture, December 11, 2008.
18. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom." Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, November 7, 2008.
19. "300 Bushels in Every Field: The Rising Debate about Corn Trend Yields." Economic Research Service, U.S. Department of Agriculture, June 12, 2008
20. "The Pricing Performance of Market Advisory Services in Wheat over 1995-2004." Department of Agricultural Economics, Oklahoma State University, October 19, 2007.
21. "The *farmdoc* Project: This is Still Your Father's Extension Program." Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, March 9, 2007.
22. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Department of Agricultural Economics, Kansas State University, November 3, 2005.
23. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Department of Agricultural and Resource Economics, North Carolina State University, April 26, 2005.
24. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Morrison School of Agribusiness, Arizona State University, March 23, 2005.
25. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Economic Research Service, U.S. Department of Agriculture, January 30, 2003.
26. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Agricultural and Resource Economics, University of California-Davis, November 15, 2002.
27. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Economics, Iowa State University, April 11, 2002.
28. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Agricultural Economics, Purdue University, March 28, 2002.

29. "The Value of USDA Outlook Information: An Investigation Using Event Study Analysis." Economic Research Service and World Agricultural Outlook Board, U.S. Department of Agriculture, Washington, DC, May 15, 2001. (with Darrel L. Good)
30. "The Performance and Marketing Behavior of Agricultural Market Advisory Services: Evidence from Corn and Soybeans over 1995-1998." Department of Agribusiness Economics, Southern Illinois University, Carbondale, Illinois, November 14, 2000.
31. "The Performance and Marketing Behavior of Agricultural Market Advisory Services: Evidence from Corn and Soybeans over 1995-1998." Department of Applied Economics and Management, Cornell University, Ithaca, New York, April 4, 2000.
32. "The Performance and Marketing Behavior of Agricultural Market Advisory Services: Evidence from Corn and Soybeans over 1995-1998." Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, March 3, 2000.
33. "The AgMAS Project: Evaluation of Agricultural Market Advisory Services." Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, December 12, 1997.
34. "New Evidence on the Value of Public Information in Commodity Markets." Department of Agricultural Economics, The Ohio State University, Columbus, Ohio, October 6, 1994.
35. "Mean Reversion in Agricultural Futures Prices?" Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, January 27, 1994.
36. "Mean Reversion in Agricultural Futures Prices?" Department of Agricultural Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, December 3, 1993.
37. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Economics, Iowa State University, Ames, Iowa, May 13, 1992.
38. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, June 4, 1991.
39. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Finance, The Ohio State University, Columbus, Ohio, April 28, 1991.
40. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, April 3, 1991.

41. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Finance, Georgetown University, Washington, DC, February 22, 1991.
42. "Can Agricultural Economists Accurately Predict Livestock Prices?" Economic Research Service, U.S. Department of Agriculture, Washington, DC, February 22, 1991.
43. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, January 29, 1991.
44. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, October 23, 1990.
45. "Investment Performance of Public Commodity Pools: 1979 to 1989." Division of Market Analysis, Commodity Futures Trading Commission, Washington, DC, December 20, 1989.
46. "Economic Evaluation of Commodity Price Forecasts." Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, May 5, 1988. (with Mary E. Gerlow)
47. "The Structure and Performance of the Public Futures Fund Industry." Research Department, Chicago Mercantile Exchange, Chicago, Illinois, July 21, 1987.
48. "A Simulation Analysis of Commodity Options as a Policy Alternative." Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, May 12, 1987.
49. "A Simulation Analysis of Commodity Options as a Policy Alternative." Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, April 24, 1987.
50. "A Simulation Analysis of Commodity Options as a Policy Alternative." Department of Agricultural Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, April 3, 1987.

### ***farmdoc daily* Articles**

1. Irwin, S. "[More on Small Refinery Exemptions and Ethanol Demand Destruction.](#)" *farmdoc daily* (8):228, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 13, 2018.

2. Irwin, S. "[Small Refinery Exemptions and Ethanol Demand Destruction.](#)" *farmdoc daily* (8):170, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 13, 2018.
3. Coppess, J. and S. Irwin. "[EPA 2019 RFS Proposed Rulemaking: What You See Is Not What You Get.](#)" *farmdoc daily* (8):128, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 12, 2018.
4. Irwin, S. and T. Hubbs. "[Measuring the Accuracy of Forecasting Corn and Soybean Yield with Good and Excellent Crop Condition Ratings.](#)" *farmdoc daily* (8):118, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 27, 2018.
5. Irwin, S. and T. Hubbs. "[Does the Bias in Early Season Crop Condition Ratings for Corn and Soybeans Vary with the Magnitude of the Ratings?](#)" *farmdoc daily* (8):113, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 20, 2018.
6. Irwin, S. and T. Hubbs. "[What to Make of High Early Season Crop Condition Ratings for Soybeans?](#)" *farmdoc daily* (8):109, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 14, 2018.
7. Irwin, S. and T. Hubbs. "[What to Make of High Early Season Crop Condition Ratings for Corn?](#)" *farmdoc daily* (8):108, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 13, 2018.
8. Irwin, S. and T. Hubbs. "[Prospects for Timely Planting of the 2018 Soybean Crop.](#)" *farmdoc daily* (8):79, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 2, 2018.
9. Irwin, S. and T. Hubbs. "[Prospects for Timely Planting of the 2018 Corn Crop.](#)" *farmdoc daily* (8):74, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 25, 2018.
10. Irwin, S. and T. Hubbs. "[How Many Days Does It Take to Plant the U.S. Corn Crop?](#)" *farmdoc daily* (8):70, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 19, 2018.
11. Irwin, S. "[A Pattern Change for Biodiesel Production Profitability in 2017?](#)" *farmdoc daily* (8):54, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 28, 2018.

12. Irwin, S. "[What Happened to the Profitability of Ethanol Production in 2017?](#)" *farmdoc daily* (8):45, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 14, 2018.
13. Coppess, J. and S. Irwin. "[Deal-Making on the RFS: Follow the North Star.](#)" *farmdoc daily* (8):40, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 7, 2018.
14. Irwin, S. "[The Grand Bargain? Trading an E15 RVP Waiver for a RINs Price Cap.](#)" *farmdoc daily* (8):35, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 28, 2018.
15. Irwin, S. "[How Much Will the Cost of a RINs Bundle Decline if the Conventional Ethanol Gap Disappears?](#)" *farmdoc daily* (8):32, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 23, 2018.
16. Irwin, S. "[Fixing the RFS is Getting Easier and Easier.](#)" *farmdoc daily* (8):26, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 15, 2018.
17. Irwin, Scott, and Jonathan Coppess. "[Still Another Wrinkle in the RFS: A RINs Price Cap.](#)" *farmdoc daily* (7):233, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 21, 2017.
18. Coppess, Jonathan, and Scott Irwin. "[Another Wrinkle in the RFS: The Small Refinery Exemption.](#)" *farmdoc daily* (7):224, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 6, 2017.
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1. Coppess, Jonathan and Scott H. Irwin. "[Comment on the Environmental Protection Agency \(EPA\) Proposed Rule: Renewable Fuel Standard Program: Standards for 2019 and Biomass-Based Diesel Volume for 2020, Docket ID No. EPA-HQ-OAR-2018-0167-0670.](#)" Submitted August 18, 2018.

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3. Irwin, Scott H., and Dwight R. Sanders. "[Comment on Commodity Futures Trading Commission Rule 17 CFR Parts 1, 15, 17, 19, 32, 37, 38, 140, and 150 Position Limits for Derivatives and Aggregation of Positions.](#)" Submitted June 2014, Comment No. 59987.
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5. Irwin, Scott H., Darrel L. Good, Philip Garcia, and Eugene L. Kunda. "[Comments on Permanent Senate Subcommittee on Investigations Report on Excessive Speculation in the Wheat Market.](#)" University of Illinois at Urbana-Champaign, July 2009.
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### **Invited Presentations at Industry, Government, and University Meetings<sup>6</sup>**

1. "The State of the RFS." 10<sup>th</sup> Annual RFS2, RINs, and Biodiesel Conference, Oil Price Information Service (OPIS), Chicago, Illinois, October 2, 2018.
2. "The Renewable Fuel Standard: Compliance and Stakeholder Perspectives." Workshop for U.S. Congressional Research Service Staff, Washington, D.C., September 20, 2018. (with James H. Stock)
3. "So is Bio Diesel Going to be the Next Really BIG Driver of Demand or Not?" 2019 Annual Meeting of the Association of Agricultural Production Executives (AAPEX), New Orleans, Louisiana, February 1, 2018.

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<sup>6</sup> All presentations by Scott H. Irwin except where joint presentation indicated.

4. "The State of the U.S. Biofuels Industry and Where It's Headed." Keynote address to 9<sup>th</sup> Annual RFS2, RINs, and Biodiesel Conference, Oil Price Information Service (OPIS), Chicago, Illinois, October 3, 2017.
5. "The *farmdoc* Project as R&D." Agricultural Markets Advisory Council, CME Group, Inc., Chicago, Illinois, September 20, 2017.
6. "USDA Crop and Livestock Reports." Seminar for U.S. Congressional Staffers sponsored by the Council on Food, Agricultural, and Resource Economics (C-FARE), Washington, D.C., June 25, 2015.
7. "The Future of the Renewable Fuel Standard." Panel discussion sponsored by the Center on Global Energy at Columbia University, Washington, D.C., June 16, 2015.
8. "Will the EPA Reverse Itself on the Write Down of the Renewable Mandate? The Message from the RINs Market." Energy Biosciences Institute (EBI) Biofuels Law and Regulation Conference, University of Illinois at Urbana-Champaign, Urbana, Illinois, May 2, 2014.
9. "Grain Stocks Estimates: Can Anything Explain the Market Surprises of Recent Years?" Feed Grains Session, USDA Agricultural Outlook Forum, Washington, D.C., February 21, 2014.
10. "Economics of Big Data in Agriculture." Big Data Summit: From Buzz to the Biz of Business Data, Research Park, University of Illinois at Urbana-Champaign, Urbana, Illinois, December 6, 2013.
11. "Structural Change in Agricultural Futures Markets: What Have We Wrought?" Conference on Taming Agricultural Risks, Federal Reserve Bank of Chicago, Chicago, Illinois, November 19, 2013.
12. "The RFS and Grain and Oilseed Markets: All Eyes on the EPA." Conference on Farmland Markets: Profitability and Future Perspectives, TIAA-CREF Center for Farmland Research, University of Illinois at Urbana-Champaign, Urbana, Illinois, November 13, 2013.
13. "The RFS and Grain and Oilseed Markets: All Eyes on the EPA." American Farm Bureau Federation (AFBF) Commodity Outlook Conference, Reno, Nevada, October 17-18, 2013.
14. "The RFS and Grain and Oilseed Markets: All Eyes on the EPA." Keynote Address to Agricultural Risk and Profits Conference, Kansas State University, Manhattan, Kansas, August 10, 2013.

15. "The RFS and Grain and Oilseed Markets: All Eyes on the EPA." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 10, 2013.
16. "Up, Up, and Away: What's the Real Story on RINs?" Energy Biosciences Institute (IBI) Biofuels Law and Regulation Conference, University of Illinois at Urbana-Champaign, Urbana, Illinois, March 19, 2013.
17. "Grain Market Volatility." Plenary Session on Managing Risk in Today's Markets, USDA Agricultural Outlook Forum, Washington, D.C., February 21, 2013.
18. "Biofuel Policies and their Implications for the Grain and Oilseed Markets." BMF Futures Exchange, Sao Paulo, Brazil, November 29, 2012.
19. "Farming is Fun!" Phoenix Agricultural Club, Phoenix, Arizona, February 21, 2012.
20. "U.S. Corn Yield." Morgan Stanley Commodity Conference, Boston, Massachusetts, December 14, 2011.
21. "Economic Value of Agricultural Data." Data Collection on Agriculture in a Time of Fiscal Constraints, Farm Foundation Forum, Washington, D.C., September 13, 2011.
22. "Recent Convergence Performance of Grain Futures." Illinois Farm Bureau Markets Task Force, Bloomington, Illinois, August 23, 2011.
23. "The New Price Plateau." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 18, 2011.
24. "When to Sell Corn and Soybeans in Illinois." FCS Crop Insurance College 2010, Champaign, Illinois, November 11, 2010.
25. "The Role of Index Funds in the Recent Commodity Price Boom and Bust." TCC Roundtable, Illini Center, Chicago, Illinois, October 7, 2009.
26. "Poor Convergence Performance of CBOT Corn, Soybean, and Wheat Futures Contracts: Causes and Solutions." World Trading Unit, Cargill International SA, Geneva, Switzerland, September 29, 2009.
27. "Poor Convergence Performance of CBOT Corn, Soybean, and Wheat Futures Contracts: Causes and Solutions." Illinois Farm Bureau Task Force on Convergence, Bloomington, Illinois, March 24, 2009.

28. "Recent Delivery Performance of CBOT Corn, Soybean, and Wheat Futures Contracts." Presentation to CME Group and CFTC Staff, Chicago, Illinois, September 30, 2008.
29. "300 Bushels in Every Field: The Rising Debate about Corn Trend Yields." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 23, 2008.
30. "The *farmdoc* Project: This is Still Your Father's Extension Program." Annual Meeting of the Illinois Council for Agricultural Research (CFAR), Springfield, Illinois, February 20, 2007.
31. "The *farmdoc* Project: This is Still Your Father's Extension Program." CSREES Administrators, Washington, DC, November 15, 2006.
32. "The *farmdoc* Project: This is Still Your Father's Extension Program." USDA Economists Group, Washington, DC, November 15, 2006.
33. "Performance of Market Advisory Services." Top Farmer Workshop, Purdue University, Lafayette, Indiana, July 19, 2006.
34. "The Performance of Market Advisory Services in Corn and Soybeans." National French Federation of Agro Farms Suppliers, Chicago, Illinois, June 7, 2006.
35. "Overview of the *farmdoc Project*." Annual Meeting of the American Society of Farm Managers and Rural Appraisers, Austin, Texas, October 8, 2005.
36. "A Systematic and Disciplined Approach to Grain Marketing." and "Risk Assessment for New Generation Grain Contracts." National Feed and Grain Dealers Association Country Elevator Meeting, Denver, Colorado, December 7, 2004.
37. "Overview of Recent Marketing and Price Analysis Research at the University of Illinois." Club Demeter Forum, Chicago, Illinois, May 14, 2004.
38. "Are Futures Markets More or Less Important in Price Discovery?" USDA Agricultural Outlook Forum 2003, Washington, DC, February 21, 2003.
39. "A Farmer's Guide to Market Advisory Services." Top Farmer Workshop, Purdue University, Lafayette, Indiana, July 23, 2002.
40. "*farmdoc* Overview." North Central Regional Risk Management Center Workshop, Des Moines, Iowa October 16, 2001.



41. "Putting the Risk Protection Act of 2000 to Work: Applied Marketing Strategies." USDA Agricultural Outlook Forum 2001, Washington, DC, February 22, 2001.
42. "A Farmer's Guide to Market Advisory Services." *Top Producer* Marketing Seminar, Chicago, Illinois, January 26, 2001.
43. "The Impact of WASDE Reports in Corn and Soybean Markets." WAOB/ICEC Review Forum, U.S. Department of Agriculture, Washington, DC, December 14, 2000.
44. "A Farmer's Guide to Market Advisory Services." West Central Cooperative Marketing Seminar, Adair, Iowa, June 13, 2000.
45. "Evaluation of Market Advisory Services." Annual Meeting of the Independent Community Bankers Association, San Antonio, Texas, March 7, 2000.
46. "Commodity Funds and Price Discovery in Agricultural Futures Markets." Board of Directors of the Illinois Farm Bureau, Bloomington, Illinois, November 18, 1999
47. "A Guide to Market Advisory Services." FBFM In-Service Training Workshop, Springfield, Illinois, September 23, 1999.
48. "A Consumer's Guide to Market Advisory Services." Top Producer Marketing Seminar, Lincoln, Nebraska, July 31, 1999.
49. "Are Hog and Cattle Futures Prices Biased?" National Pork Producer Council Task Force on Price Discovery, Chicago, Illinois, July 8, 1999. (with Carl R. Zulauf and Kimberley Coltman)
50. "Performance of Farm Market Advisory Services." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 29, 1998.
51. "AgRisk." Marketing Workshop, Educational and Leadership Development Program, Illinois Soybean Association, Bloomington, Illinois, June 9, 1998.
52. "AgRisk: A New Risk Management Decision Tool." Rain and Hail LLC Adjusters Seminar, Bloomington, Illinois, April 2, 1998.
53. "Selecting a Market Advisory Service." Annual Agribusiness Conference, Arkansas State University, Jonesboro, Arkansas, February 11, 1998.

54. "AgRisk: A New Risk Management Decision Tool." Annual Meeting of the Association of Illinois Crop Insurance Agents, Springfield, Illinois, February 5, 1998.
55. "AgRisk: A New Risk Management Decision Tool." Illinois Farm Financial Conference, Urbana, Illinois, January 16, 1998.
56. "AgMAS and AgRisk Projects." Annual Meeting of the American Farm Bureau Federation, Charlotte, North Carolina, January 11, 1998.
57. "The Agricultural Market Advisory Service (AgMAS) Project: What Have We Learned about Marketing Performance and Behavior?" Market Information Workshop, Economic Research Service, U.S. Department of Agriculture, Washington, DC, November 21, 1997.
58. "What is AgMAS?" Illinois Farm Business Management Fall Conference, Urbana, Illinois, October 8, 1997. (with Thomas E. Jackson)
59. "AgMAS and AgRisk Projects." Agricultural Commodity Roundtable Meeting, American Farm Bureau Federation, Chicago, Illinois, August 20, 1997.
60. "Risk Analysis Tools and Financial Engineering." Crop Insurance College for Professional Insurance Agents of Minnesota, Minneapolis, Minnesota, July 22, 1997.
61. "Evaluation of Market Advisory Services." Annual Meeting of the Ohio Society of Professional Farm Managers and Rural Appraisers, Columbus, Ohio, January 30, 1997.
62. "Agricultural Risk Management: A Financial Economics Approach." Forum on Risk Management, Kansas City, Kansas December 16-17, 1996.
63. "AgMAS: A Study of the Performance of the Agricultural Market Advisory Services." Agricultural Advisory Committee of the Commodity Futures Trading Commission, Washington, DC, October 2, 1996.
64. "AgRisk: A Financial Engineering Approach to Risk Management for Agricultural Firms." Agricultural Advisory Committee of the Commodity Futures Trading Commission, Washington, DC, October 2, 1996.
65. "Risk Management Programs." 1996 Farm Bill Education Training Workshop, Kansas City, Kansas, April 15-16, 1996.
66. "The Predictability of Managed Futures Returns." *Pensions and Investments* Symposium on Risk Management, New York, New York, December 5-6, 1995.

67. "The Market Impact of Managed Futures Trading." Third Annual Risk Management Symposium, Chicago Mercantile Exchange, Chicago, Illinois, October 18, 1995.
68. "Commodity and Financial Futures Markets." Pioneer Institute, Chicago, Illinois, June 20, 1995.
69. "The Economics of Managed Futures." Second Annual Risk Management Symposium, Chicago Mercantile Exchange, Chicago, Illinois, November 1-3, 1994.
70. "Multi-Advisor Fund Performance: The Evidence." Forum for Managed Futures and Derivatives." New York, New York, June 27-July 1, 1994.
71. "The Debate over the Sources of Managed Futures Returns." First Annual Risk Management Symposium, Chicago, Illinois, August 23, 1993.
72. "The Predictability of Managed Futures Returns." Fourth Annual Managed Futures Symposium, Chicago, Illinois, October 2, 1992.
73. "Investment in Managed Futures by Public and Private Pension Funds: Academic Perspective." 1992 Mid-Year Conference on Futures Money Management, Chicago, Illinois, July 31, 1992.
74. "The Predictability of CTA Returns." 1992 Mid-Year Conference on Futures Money Management, Chicago, Illinois, July 30, 1992.
75. "Overview of Studies on Managed Futures." Second Conference of Illinois Public Pension Funds, Chicago, Illinois, July 24, 1992.
76. "Managed Futures in an Institutional Portfolio: The Benefits of Diversification." Second Annual Nordic Conference on Managed Futures, Stockholm, Sweden, June 9, 1992.
77. "Investment in Managed Futures by Public and Private Pension Funds: Academic Perspective." Annual Meeting of the Futures Industry Association, Boca Raton, Florida, March 19, 1992.
78. "Managed Futures for Institutional Investors." Futures and Options Society of Chicago, Chicago, Illinois, February 11, 1992.

79. "Managed Futures in an Institutional Portfolio: The Benefits of Diversification." Bank of America Symposium on Managed Futures as an Alternative Medium for Institutional Investors, Tokyo, Japan, October 2, 1991.
80. "The Benefits of Diversification Through Managed Futures." Annual Retreat for the Virginia Retirement System Board of Trustees, Tidewater, Virginia, July 18, 1991.
81. "Managed Futures in a Pension Portfolio: The Historical Evidence Third Annual Managed Futures Symposium, New York, New York, May 2, 1991.
82. "The Role of Managed Futures in Institutional Portfolios." Board of Trustees of the Virginia Retirement System and the Board of Trustees of the University of Virginia, Richmond, Virginia, January 23, 1991.
83. "Picking Up Profits from the Market: How Easy Is It and What You Will Need!" Farm Forum Session on Marketing in a Competitive World, Purdue University, West Lafayette, Indiana, January 30, 1991.
84. "The Place for Managed Futures in an Institutional Investment Portfolio." First Annual International Managed Futures Symposium, Geneva, Switzerland, November 29, 1990.
85. "Portfolio Issues Affecting Alternative Assets." Alternative Assets for Institutions Seminar, Washington, DC, November 14, 1990.
86. "Comparing Managed Futures to Traditional Asset Class Investments." Managed Futures Investing Seminar, New York, New York, July 17, 1990.
87. "The Role of Managed Futures in Pension Portfolios." Second Annual Managed Futures Symposium, New York, New York, May 3, 1990.
88. "Public Futures Funds as an Alternative Asset Class for Pension Funds." First Annual Managed Futures Symposium, New York, New York, June 14, 1989.
89. "Public Futures Funds." Annual Meeting of the National Association of Futures Trading Advisors, New York, New York, May 3, 1985.
90. "Analysis of 1983 Feed Grain and Wheat Program." American Soybean Association Reduced Acreage Conference, St. Louis, Missouri, December 15, 1982. (with J. William Uhrig)
91. "The Interest Rate Outlook for 1981-82." Agricultural County Extension Agent Training Meeting, Purdue University, November 18, 1981.

## Computer Software<sup>7</sup>

1. Schnitkey, Gary, Linwood Hoffman, Darrel Good, Scott Irwin, and Ryan Batts. *2009 ACRE Payment Estimator*, December 2009.
2. Sherrick, Bruce J., Gary D. Schnitkey, and Scott H. Irwin. *2006 iFARM Crop Insurance Evaluator*, January 2006.
3. Schnitkey, Gary D., Bruce J. Sherrick, and Scott H. Irwin. *2006 iFARM Crop Insurance Premium Calculator: North Central Region*, January 2006.
4. Schnitkey, Gary D., Bruce J. Sherrick, and Scott H. Irwin. *2006 iFARM Crop Insurance "What If?" Analyzer*, January 2006.
5. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, and Wanyu Li. *2005 iFARM Crop Insurance Evaluator: Illinois*, January 2005.
6. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, George Patrick, and Wanyu Li. *2005 iFARM Crop Insurance Evaluator: Indiana*, January 2005.
7. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, William Edwards, and Wanyu Li. *2005 iFARM Crop Insurance Evaluator: Iowa*, January 2005.
8. Schnitkey, Gary D., Bruce J. Sherrick, Scott H. Irwin, and Wanyu Li. *2005 iFARM Crop Insurance Premium Calculator: North Central Region*, January 2005.
9. Irwin, Scott H., Darrel L. Good, Lewis A. Hagedorn, and Ping Li. *U.S. Soybean Balance Sheet and Price Tool: Downloadable Spreadsheet Version*, May 2004.
10. Irwin, Scott H., Darrel L. Good, and Ping Li. *U.S. Soybean Balance Sheet and Price Tool: Online Version*, May 2004.
11. Irwin, Scott H., Darrel L. Good, and Lewis A. Hagedorn. *U.S. Corn Balance Sheet and Price Tool: Downloadable Spreadsheet Version*, March 2004.
12. Irwin, Scott H., Darrel L. Good, and Ping Li. *U.S. Corn Balance Sheet and Price Tool: Online Version*, March 2004.

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<sup>7</sup> With the exception of *AgRisk*, all software originally posted at the *farmdoc* website (<http://www.farmdoc.illinois.edu/>).

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