

SCOTT H. IRWIN

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Book Chapters

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Research Reports and Monographs

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Selected Papers and Posters²

1. 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, MA, July 31-August 2, 2016.

² 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/>.

2. 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, MA, July 31-August 2, 2016.
3. 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, MA, July 31-August 2, 2016.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. Hoffman, Linwood, Scott H. Irwin, and Jose Toasa. "Forecast Performance of Futures Price Models for Corn, Soybeans, and Wheat." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Portland, Oregon, July 29-31, 2007.

13. Cabrini, Silvina M., and Scott H. Irwin. "Behavioral Biases in Grain Marketing: Evidence from Market Advisory Service Recommendations." Selected poster presented at the Annual Meeting of the American Agricultural Economics Association, Portland, Oregon, July 29-31, 2007.
14. Franken, Jason R.V., Phil Garcia, and Scott H. Irwin. "Do Interest Rates Explain Disaggregate Commodity Price Growth?" Selected paper presented at the Annual Meeting of the American Agricultural Economics Association Long Beach, California, July 23-26, 2006.
15. Botto, Augusto C., Olga Isengildina, Scott H. Irwin, and Darrel L. Good. "Accuracy Trends and Sources of Forecast Errors in WASDE Balance Sheet Categories for Corn and Soybeans." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association Long Beach, California, July 23-26, 2006.
16. Urcola, Hernan A., and Scott H. Irwin. "Has the Performance of the Hog Options Market Changed?" Selected paper presented at the Annual Meeting of the American Agricultural Economics Association Long Beach, California, July 23-26, 2006.
17. Shi, Wei, and Scott H. Irwin. "What Happens when Peter can't Pay Paul: Risk Management at Futures Exchange Clearinghouses." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association Long Beach, California, July 23-26, 2006. A
18. 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.
19. Shi, Wei, and Scott H. Irwin. "A Bayesian Implementation of the Standard Optimal Hedging Model: Parameter Estimation Risk and Subjective Views." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005.
20. Cabrini, Silvina M., Scott H. Irwin, and Darrel L. Good. "Efficient Portfolios of Market Advisory Services: An Application of Shrinkage Estimators." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Providence, Rhode Island, July 24-27, 2005.
21. Pennings, Joost M.E., Olga Isengildina, Scott H. Irwin, and Darrel L. Good. "Modeling the Impact of Market Advisory Services on Producers' Decisions." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Denver, Colorado, August 1-4, 2004.
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23. Olga Isengildina, Scott H. Irwin, and Darrel L. Good. "Does the Market Anticipate Smoothing in USDA Crop Production Forecasts?" Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Denver, Colorado, August 1-4, 2004.

24. Urcola, Hernan A., Gary D. Schnitkey, Scott H. Irwin, and Bruce J. Sherrick. "Testing for Yield Persistency: Is It Skill or is It Luck?" Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Denver, Colorado, August 1-4, 2004.
25. Irwin, Scott H., Darrel L. Good, and Joao Martinez-Filho. "The Performance of Market Advisory Services in Corn and Soybeans." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Montreal, Canada, July 27-30, 2003.
26. Pennings, Joost M.E., Philip Garcia, Scott H. Irwin, and Darrel L. Good. "How to Group Market Participants? Heterogeneity in Hedging Behavior." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Montreal, Canada, July 27-30, 2003.
27. Schnitkey, Gary D., Bruce J. Sherrick, and Scott H. Irwin. "Comparison of Value-at-Risk and Conditional Value-at-Risk in Evaluating Crop Insurance Alternatives." Selected paper presented at the Annual Meeting of SERA-IEG-31 on Economics and Management of Risk in Agriculture and Natural Resources, Gulf Shores, Alabama, March 21-22, 2003.
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30. Larson, Donald W., Christopher K. Alexander, Carl R. Zulauf, and Scott H. Irwin. "Performance of Pre-Harvest Pricing Strategies in Ohio Corn Markets: The Role of Cash Flow Risk." *American Journal of Agricultural Economics* 79(1997):1716.
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32. Irwin, Scott H. "Public Situation and Outlook Programs: To Be or Not to Be?" *American Journal of Agricultural Economics* 78(1996):1412.
33. Garcia, Philip, Scott H. Irwin, Raymond M. Leuthold, and Li Yang. "New Evidence on the Value of Public Information in Commodity Markets." Selected paper presented at the International Symposium on Forecasting, Toronto, Canada, June 4-7, 1995.
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38. Jackson, Thomas E., Carl R. Zulauf, and Scott H. Irwin. "Mean Reversion in Commodity Futures Prices." Selected paper presented at the Annual Meeting of the Eastern Finance Association, Tampa, Florida, April 23, 1992.
39. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "Does Releasing USDA Livestock Reports on Friday Reduce Futures Price Volatility?" *American Journal of Agricultural Economics* 74(1992):1287.
40. Irwin, Scott H., Mary E. Gerlow, and Te-Ru Liu. "Are Outlook Price Forecasts Rational?" *American Journal of Agricultural Economics* 74(1992):1287.
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50. 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.
51. 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.
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62. Colling, Phil L., and Scott H. Irwin, "Has the Farm Sector Asset Market Been Too Volatile?" *American Journal of Agricultural Economics* 69(1987):1092.

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66. 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.
67. Irwin, Scott H., and B. Wade Brorsen. "Technical Trading System Profits: Fact or Fiction?" *American Journal of Agricultural Economics* 67(1985):1280.
68. 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

1. Irwin, Scott H. "Biofuels Update: The Future is Brighter Than You Think." Invited presentation at the Annual Meeting of the NCCC-117 Committee on Agricultural Finance, Chicago, Illinois, October 10-11, 2015.
2. Irwin, Scott H. "Bubbles, Froth, and Facts: The Masters Hypothesis and Recent Food Commodity Price Spikes." Keynote presentation at the IAMO Forum 2014: The Rise of the Emerging Economies: Towards Functioning Agricultural Markets and Trade Relations, Halle, Germany, June 25-27, 2014.
3. Irwin, Scott H. "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.
4. Irwin, Scott H. "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.
5. Irwin, Scott H. "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.
6. Irwin, Scott H. "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.
7. Irwin, Scott H. "Futures Markets and Speculation: Lessons from the Past for Today." Chancellor's Lecture-University of Illinois, Chicago, Illinois, October 18, 2012.

8. Irwin, Scott H. "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.
9. Irwin, Scott H. "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.
10. Irwin, Scott H. "Ethanol, Octane, and Drought: A Domsday 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.
11. Irwin, Scott H. "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.
12. Irwin, Scott H. "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.
13. Irwin, Scott H. "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.
14. Irwin, Scott H. "How Agricultural Economics Saved Futures Markets: An Untold Story of Leadership." William K. Deal Leadership Lecture, Iowa State University, October 25, 2011.
15. Irwin, Scott H. "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.
16. Irwin, Scott H. "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.
17. Irwin, Scott H. "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.
18. Irwin, Scott H. "Speculation and Food Price Volatility." Annual Colloquium of the Executive Directors of the World Bank, Washington, D.C., May 13, 2011.
19. Irwin, Scott H. "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.
20. Irwin, Scott H. "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.

21. Irwin, Scott H. "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).
22. Irwin, Scott H. "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
23. Irwin, Scott H. "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.
24. Irwin, Scott H. "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.
25. Irwin, Scott H. "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.
26. Irwin, Scott H. "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.
27. Irwin, Scott H. "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.
28. Irwin, Scott H. "Is Speculation by Long-Only Index Funds Harmful to Commodity Markets?" Testimony to the U.S. House of Representatives Committee on Agriculture, Washington, D.C., July 10, 2008
29. Irwin, Scott H. "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.
30. Irwin, Scott H. "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.
31. Irwin, Scott H. "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.

32. Irwin, Scott H. and Darrel L. Good. "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.
33. Hagedorn, Lewis A., Scott H. Irwin, Darrel L. Good and Evelyn V. Colino. "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.
34. Irwin, Scott H. "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.
35. Irwin, Scott H. and Mark A. Althouse. "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.
36. Irwin, Scott H. "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.
37. Irwin, Scott H. "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.
38. Zulauf, Carl R. and Scott H. Irwin. "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.
39. Garcia, Philip, and Scott H. Irwin. "New Evidence on the Value of Public Information in Commodity Markets." Fall Research Seminar, Chicago Board of Trade, Chicago, Illinois, December 4-5, 1994.
40. Irwin, Scott H. "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.
41. Irwin, Scott H. "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.
42. Brorsen, B. Wade and Scott H. Irwin. "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.
43. 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.

44. Irwin, Scott H. and Cameron R. Thraen. "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.
45. Irwin, Scott H. "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.
46. Irwin, Scott H. "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.
47. Irwin, Scott H. "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.
48. Irwin, Scott H. "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.
49. Irwin, Scott H. "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

1. Wang, Xiaoyang, Philip Garcia and Scott H. Irwin. "Are Commodity Futures Getting Noisier? The Impact of High Frequency Quoting." Presentation at the 2014 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 21-22, 2014.
2. Zhou, Wenjiao, Scott H. Irwin, and Philip Garcia. "The Quality of Price Discovery in the Corn and Live Cattle Futures Markets." Presentation at the 2014 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 21-22, 2014.
3. Zhou, Wenjiao, Scott H. Irwin, Philip Garcia and Mindy L. Mallory. "Electronic versus Open Outcry: Side-by-Side Trading in Live Cattle Futures Markets." Presentation at the 2013 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 22-23, 2013.
4. Peterson, Hikaru H., Philip Garcia, and Scott H. Irwin. "Ethanol and Corn Price Volatility: Should We Be Concerned?" Presentation at the 2008 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, St. Louis, Missouri, April 22, 2008.
5. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "The Value of USDA Outlook Information in Hog and Cattle Markets." Presentation at the Market Analysis for Livestock Research Workshop, Economic Research Service, U.S. Department of Agriculture, January 12, 2005.

6. Irwin, Scott H. "Comment: 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.
7. Irwin, Scott H. "Comment: 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.
8. Irwin, Scott H. "Comment: 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.
9. Leeds, Robert, Carl Zulauf, and Scott Irwin. "Returns to Hedged and Unhedged Storage of Corn in Ohio from 1964 through 1989." Paper presented at The Farm Income Enhancement Program, Columbus, Ohio, February 26, 1991.
10. Ward, Barry W., Scott H. Irwin, and Carl R. Zulauf. "The Predictability of Commodity Trading Advisor Returns." Paper presented at The Farm Income Enhancement Program, Columbus, Ohio, February 26, 1991.
11. Irwin, Scott H. "Comment: Commodity Futures as an Asset Class." Organized symposium presentation at the Annual Meeting of the Eastern Finance Association, Charleston, South Carolina, April 7, 1990.
12. Irwin, Scott H., and Mary E. Gerlow. "Can Price Forecasts by Extension Economists be Used to Enhance Farm Income." Selected paper presented to the Farm Income Enhancement Conference, Columbus, Ohio, April 10, 1989.
13. Irwin, Scott H. "Comment: 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.
14. Irwin, Scott H. "Comment: 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

1. Irwin, Scott H. "RINs and the RFS." Center for Advanced Bioenergy Research (CABER) Seminar, University of Illinois at Urbana-Champaign, February 23, 2015.
2. Irwin, Scott H. "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.
3. Irwin, Scott H. "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.

4. Irwin, Scott H. "Biofuel Policies and their Implications for the Grain and Oilseed Markets." Department of Economics, University of Sao Paulo, Sao Paulo, Brazil, November 27, 2012.
5. Irwin, Scott H. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." Department of Economics, Iowa State University, November 6, 2012.
6. Irwin, Scott H. "Futures Market Failure?" Department of Agricultural Economics, Purdue University, February 7, 2012.
7. Irwin, Scott H. "Testing the Masters Hypothesis in Commodity Futures Markets." International Economic Analysis Division, Bank of England, December 1, 2011.
8. Irwin, Scott H. "Testing the Masters Hypothesis in Commodity Futures Markets." Department of Economics, Iowa State University, October 24, 2011.
9. Irwin, Scott H. "Futures Market Failure?" Economic Research Service, U.S. Department of Agriculture, September 13, 2011.
10. Irwin, Scott H. "Futures Market Failure?" Directorate for Trade and Agriculture, Organization for Economic Cooperation and Development, Paris, France, July 8, 2011.
11. Irwin, Scott H. "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.
12. Irwin, Scott H. "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.
13. Irwin, Scott H. "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.
14. Irwin, Scott H. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom." Economic Research Service, U.S. Department of Agriculture, December 11, 2008.
15. Irwin, Scott H. "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.
16. Irwin, Scott H. "300 Bushels in Every Field: The Rising Debate about Corn Trend Yields." Economic Research Service, U.S. Department of Agriculture, June 12, 2008
17. Irwin, Scott H. "The Pricing Performance of Market Advisory Services in Wheat over 1995-2004." Department of Agricultural Economics, Oklahoma State University, October 19, 2007.
18. Irwin, Scott H. "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.

19. Irwin, Scott H. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Department of Agricultural Economics, Kansas State University, November 3, 2005.
20. Irwin, Scott H. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Department of Agricultural and Resource Economics, North Carolina State University, April 26, 2005.
21. Irwin, Scott H. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Morrison School of Agribusiness, Arizona State University, March 23, 2005.
22. Irwin, Scott H. "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.
23. Irwin, Scott H. "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.
24. Irwin, Scott H. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Economics, Iowa State University, April 11, 2002.
25. Irwin, Scott H. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Agricultural Economics, Purdue University, March 28, 2002.
26. Irwin, Scott H. and Darrel L. Good. "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.
27. Irwin, Scott H. "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.
28. Irwin, Scott H. "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.
29. Irwin, Scott H. "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.
30. Irwin, Scott H. "The AgMAS Project: Evaluation of Agricultural Market Advisory Services." Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, December 12, 1997.
31. Irwin, Scott H. "New Evidence on the Value of Public Information in Commodity Markets." Department of Agricultural Economics, The Ohio State University, Columbus, Ohio, October 6, 1994.
32. Irwin, Scott H. "Mean Reversion in Agricultural Futures Prices?" Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, January 27, 1994.

33. Irwin, Scott H. "Mean Reversion in Agricultural Futures Prices?" Department of Agricultural Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, December 3, 1993.
34. Irwin, Scott H. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Economics, Iowa State University, Ames, Iowa, May 13, 1992.
35. Irwin, Scott H. "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.
36. Irwin, Scott H. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Finance, The Ohio State University, Columbus, Ohio, April 28, 1991.
37. Irwin, Scott H. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, April 3, 1991.
38. Irwin, Scott H. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Finance, Georgetown University, Washington, DC, February 22, 1991.
39. Irwin, Scott H. "Can Agricultural Economists Accurately Predict Livestock Prices?" Economic Research Service, U.S. Department of Agriculture, Washington, DC, February 22, 1991.
40. Irwin, Scott H. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, January 29, 1991.
41. Irwin, Scott H. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, October 23, 1990.
42. Irwin, Scott H. "Investment Performance of Public Commodity Pools: 1979 to 1989." Division of Market Analysis, Commodity Futures Trading Commission, Washington, DC, December 20, 1989.
43. Gerlow, Mary E. and Scott H. Irwin. "Economic Evaluation of Commodity Price Forecasts." Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, May 5, 1988.
44. Irwin, Scott H. "The Structure and Performance of the Public Futures Fund Industry." Research Department, Chicago Mercantile Exchange, Chicago, Illinois, July 21, 1987.
45. Irwin, Scott H. "A Simulation Analysis of Commodity Options as a Policy Alternative." Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, May 12, 1987.
46. Irwin, Scott H. "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.

47. Irwin, Scott H. "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.

Extension Articles and Briefs

1. Hubbs, Todd, Darrel Good, and Scott Irwin. "[Assessing Argentine Corn Yield Risk: Historical Deviations from Trend.](#)" *farmdoc daily* (6):234, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 15, 2016.
2. Irwin, Scott, and Darrel Good. "[The RFS and Domestic Consumption of Conventional Ethanol and Biomass-Based Diesel to 2022.](#)" *farmdoc daily* (6):229, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 7, 2016.
3. Irwin, Scott, and Darrel Good. "[The EPA's Renewable Fuel Standard Rulemaking for 2017 Was More Aggressive than Expected.](#)" *farmdoc daily* (6):225, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 30, 2016.
4. Good, Darrel, Todd Hubbs, and Scott Irwin. "[Assessing South American Soybean Yield Risks: Estimating the Yield Trend.](#)" *farmdoc daily* (6):217, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 16, 2016.
5. Good, Darrel, Todd Hubbs, and Scott Irwin. "[Assessing South American Corn Yield Risks- Estimating the Yield Trend.](#)" *farmdoc daily* (6):212, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 9, 2016.
6. Good, Darrel, Todd Hubbs, and Scott Irwin. "[Assessing South American Corn and Soybean Yield Risks: Exploring the Data Sources.](#)" *farmdoc daily* (6):207, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 2, 2016.
7. Irwin, Scott, Darrel Good, and Dwight Sanders. "[Revisiting Surprises in USDA's Quarterly Grain Stocks Estimates--Evidence from Wheat.](#)" *farmdoc daily* (6):197, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 19, 2016.
8. Irwin, Scott. "[What's Up with RINs Prices?](#)" *farmdoc daily* (6):188, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 5, 2016.
9. Irwin, Scott, and Darrel Good. "[Big Corn and Soybean Crops Get Bigger is a Myth!](#)" *farmdoc daily* (6):184, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 28, 2016.
10. Irwin, Scott, and Darrel Good. "[Opening Up the Black Box: More on the USDA Corn Yield Forecasting Methodology.](#)" *farmdoc daily* (6):162, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 26, 2016.
11. Irwin, Scott, and Darrel Good. "[Understanding "Implied Ear Weight" in USDA's August Corn Yield Forecast.](#)" *farmdoc daily* (6):156, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 18, 2016.
12. Irwin, Scott, and Darrel Good. "[Some Perspective on the USDA's August 1 Corn and Soybean Yield Projections.](#)" *farmdoc daily* (6):153, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 12, 2016.

13. Irwin, Scott. "[The Profitability of Biodiesel Production in 2016: Feasting on an Expiring Tax Credit?](#)" *farmdoc daily* (6):141, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 27, 2016.
14. Irwin, Scott, Darrel Good, and D. Sanders. "[Revisiting USDA Corn and Soybean Grain Stocks Estimates.](#)" *farmdoc daily* (6):136, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 20, 2016.
15. Irwin, Scott, and Darrel Good. "[Uncertainty About 2016 U.S. Average Corn and Soybean Yields Persists.](#)" *farmdoc daily* (6):132, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 14, 2016.
16. Irwin, Scott, and Darrel Good. "[Does the Market Read Too Much into the USDA's March 1 and June 1 Corn Stocks Estimates?](#)" *farmdoc daily* (6):114, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 16, 2016.
17. Irwin, Scott, and Darrel Good. "[U.S. Gasoline Consumption: Where to From Here?](#)" *farmdoc daily* (6):110, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 10, 2016.
18. Irwin, Scott, and Darrel Good. "[RFS Standards Beyond 2017--Biodiesel or Bust?](#)" *farmdoc daily* (6):104, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2, 2016.
19. Irwin, Scott, and Darrel Good. "[The EPA's Proposed 2017 RFS Standards: Is a Push Still a Push?](#)" *farmdoc daily* (6):100, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 26, 2016.
20. Irwin, Scott, and Darrel Good. "[New Corn and Soybean Pricing Models and World Stocks-to-Use Ratios.](#)" *farmdoc daily* (6):99, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 25, 2016.
21. Irwin, Scott, and Darrel Good. "[Sensitivity Analysis of New Corn and Soybean Pricing Models.](#)" *farmdoc daily* (6):82, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 29, 2016.
22. Irwin, Scott, and Darrel Good. "[The New Era of Corn and Soybean Prices Is Still Alive and Kicking.](#)" *farmdoc daily* (6):78, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 22, 2016.
23. Irwin, Scott, and Darrel Good. "[Forming Corn and Soybean Price Expectations for 2016-17.](#)" *farmdoc daily* (6):71, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 13, 2016.
24. Irwin, Scott, and Darrel Good. "[The Relationship between Stocks-to-Use and Corn and Soybean Prices: An Alternative View.](#)" *farmdoc daily* (6):66, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 6, 2016.
25. Irwin, Scott, and Darrel Good. "[Forming Expectations for 2016 U.S. Average Winter and Spring Wheat Yields: What About El Niño?](#)" *farmdoc daily* (6):62, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 30, 2016.

26. Irwin, Scott. "[farmdoc daily Turns Five Today!](#)" *farmdoc daily* (6):52, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 17, 2016.
27. Irwin, Scott, and Darrel Good. "[Forming Expectations for 2016 U.S. Average Corn and Soybean Yields: What about El Niño Transitions?](#)" *farmdoc daily* (6):51, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 16, 2016.
28. Irwin, Scott, and Darrel Good. "[Forming Expectations for the 2016 U.S. Average Soybean Yield: What About El Niño?](#)" *farmdoc daily* (6):46, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 9, 2016.
29. Irwin, Scott, and Darrel Good. "[Forming Expectations for the 2016 U.S. Average Corn Yield: What About El Niño?](#)" *farmdoc daily* (6):41, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2, 2016.
30. Irwin, Scott. "[Are Gasoline Prices Still High Relative to Crude Oil Prices?](#)" *farmdoc daily* (6):36, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 24, 2016.
31. Irwin, Scott, and Darrel Good. "[More on the Competitive Position of Ethanol as an Octane Enhancer.](#)" *farmdoc daily* (6):31, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 17, 2016.
32. Irwin, Scott. "[The Profitability of Biodiesel Production in 2015.](#)" *farmdoc daily* (6):27, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 11, 2016.
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3. Irwin, Scott H. "Will the EPA Reverse Itself on the Write Down of the Renewable Mandate? The Message from the RINs Market." Energy Biosciences Institute (IBI) Biofuels Law and Regulation Conference, University of Illinois at Urbana-Champaign, Urbana, Illinois, May 2, 2014.
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