

SCOTT H. IRWIN
Bibliography
December 2021

Table of Contents

BOOKS	2
BOOK CHAPTERS	2
JOURNAL ARTICLES	4
JOURNAL ARTICLES IN PROGRESS	16
RESEARCH REPORTS AND MONOGRAPHS.....	16
WORKING PAPERS	23
PAPERS IN PROCEEDINGS	25
SELECTED PAPERS AND POSTERS.....	35
INVITED LECTURES AND PRESENTATIONS.....	43
OTHER SCHOLARLY PRESENTATIONS	49
RESEARCH SEMINARS.....	50
FARMDOC DAILY ARTICLES	54
EXTENSION ARTICLES AND BRIEFS.....	86
ARTICLES IN POPULAR PUBLICATIONS.....	90
OP-ED ARTICLES	92
BOOK REVIEWS	92
CONGRESSIONAL AND REGULATORY TESTIMONY, AND REGULATORY COMMENTS	92
INVITED PRESENTATIONS AT INDUSTRY, GOVERNMENT, AND UNIVERSITY MEETINGS	93
COMPUTER SOFTWARE.....	100

BOOKS

1. Irwin, Scott, and Doug Peterson. *Back to the Futures: Crashing Dirt Bikes, Chasing Cows, and Understanding Commodity Futures Markets*. Champaign, Illinois: Ceres Books, forthcoming 2022.
2. Irwin, Scott H., and Dwight R. Sanders. *Speculation by Commodity Index Funds: The Impact on Food and Energy Prices*. Wallingford, UK: CABI, forthcoming 2022.

BOOK CHAPTERS

1. Irwin, Scott H. "Futures Markets Regulation." *Agricultural Policy in Disarray, Volume II*, Vincent H. Smith, Joseph W. Glauber, and Barry K. Goodwin editors, Washington, D.C.: American Enterprise Institute, 2018, pp. 248-255.
2. Aulerich, Nicole M., Scott H. Irwin, and Philip Garcia. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." *Economics of Food Price Volatility*, Jean Paul Chavas, David L. Hummels, and Brian Wright editors, Chicago, Illinois: University of Chicago Press, 2014, pp. 211-253.
3. Park, Cheol Ho, and Scott H. Irwin. "The Profitability of Technical Analysis in Commodity Markets." in *Handbook of Commodity Investing*. Frank J. Fabozzi, Roland Fuss, and Dieter G. Kaiser, editors, New York, New York: John Wiley and Sons, Inc., 2008, pp. 909-947.
4. Irwin, Scott H., and Bryce R. Holt. "The Impact of Large Hedge Fund and CTA Trading on Futures Market Volatility." in *Commodity Trading Advisors: Risk, Performance Analysis and Selection*. Greg N. Gregoriou, Vassilios N. Karavas, Francois-Serge L'Habitant and Fabrice Rouah, editors, New York, New York: John Wiley and Sons, Inc., 2004, pp. 151-182.
5. Sanders, Dwight R., Scott H. Irwin, and Raymond M. Leuthold. "Noise Trader Sentiment in Futures Markets." in *Models of Futures Markets*, Barry A. Goss, editor, London, England: Routledge, 2000, pp. 86-116.
6. Irwin, Scott H., Carl R. Zulauf, Mary E. Gerlow, and Jon N. Tinker. "A Performance Comparison of a Technical Trading System with ARIMA Models for Soybean Complex Prices." *Advances in Investment Analysis and Portfolio Management, Volume 4*, Cheng F. Lee, editor, Greenwich, Connecticut: JAI Press, 1997, pp 193-203.
7. Irwin, Scott H., Terry R. Krukemyer, and Carl R. Zulauf. "Investment Performance of Public Commodity Pools: 1979 to 1990." in *Handbook of Managed Futures: Performance, Evalu-*

- ation and Analysis*, Carl Peters and Ben Warwick, editors, Chicago, Illinois: Irwin Professional Publishing, 1997, pp. 49-76. [Reprinted from the *Journal of Futures Markets* 13(1993):799-820.]
8. Irwin, Scott H., and B. Wade Brorsen. "A Note on the Factors Affecting Technical Trading System Returns." in *Handbook of Managed Futures: Performance, Evaluation and Analysis*, Carl Peters and Ben Warwick, editors, Chicago, Illinois: Irwin Professional Publishing, 1997, pp. 481-485. [Reprinted from the *Journal of Futures Markets*. 7(1987):591-595.]
 9. Irwin, Scott H., Terry R. Krukemyer, and Carl R. Zulauf. "Investment Performance of Public Commodity Pools: 1979 to 1990." *The International Library of Critical Writings in Financial Economics: Futures Markets, Volume 1*, Richard Roll, series editor, A.G. Malliaris, volume editor, Cheltenham, England: Edward Elgar Publishing Limited, 1997, pp. 446-470. [Reprinted from the *Journal of Futures Markets* 13(1993):799-820.]
 10. 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." *The International Library of Critical Writings in Financial Economics: Futures Markets, Volume II*, Richard Roll, series editor, A.G. Malliaris, volume editor, Cheltenham, England: Edward Elgar Publishing Limited, 1997, pp. 199-210. [Reprinted from the *Journal of Financial and Quantitative Analysis* 24(1989):105-116.]
 11. Irwin, Scott H. "Further Evidence on the Usefulness of CTA Performance Information in Public Commodity Pool Prospectuses and a Proposal for Reform." In *Advances in Futures and Options Research*, Don M. Chance and Robert R. Trippi, editors, Greenwich, Connecticut: JAI Press, 1994, pp. 251-265.
 12. Irwin, Scott H. "Futures Funds as an Alternative Asset Class for Pension Funds." In *Managed Futures in the Institutional Portfolio*, Charles B. Epstein, editor, New York, New York: John Wiley and Sons, 1992, pp. 35-54.
 13. Irwin, Scott H., Terry R. Krukemyer, and Carl R. Zulauf. "Are Public Commodity Pools a Good Investment?" In *Managed Futures: Performance, Evaluation and Analysis of Commodity Funds, Pools and Accounts*, Carl C. Peters, editor, Chicago, Illinois: Probus Publishing Company, 1992, pp. 403-434.
 14. Irwin, Scott H., and Diego Landa. "The Use of Real Estate, Futures, and Gold as Portfolio Assets." In *Managed Futures: Performance, Evaluation and Analysis of Commodity Funds, Pools and Accounts*, Carl C. Peters, editor, Chicago, Illinois: Probus Publishing Company, 1992, pp. 221-236. [Reprinted from the *Journal of Portfolio Management* 14(1987):29-34.]

15. Irwin, Scott H., and B. Wade Brorsen. "Public Futures Funds." in *Managed Futures: Performance, Evaluation and Analysis of Commodity Funds, Pools and Accounts*, Carl C. Peters, editor, Chicago, Illinois: Probus Publishing Company, 1992, pp. 121-152. [Reprinted from the *Journal of Futures Markets* 6(1985):461-485.]
16. Brorsen, B. Wade, and Scott H. Irwin. "Evaluation of Commodity Funds." In *Managed Futures: Performance, Evaluation and Analysis of Commodity Funds, Pools and Accounts*, Carl C. Peters, editor, Chicago, Illinois: Probus Publishing Company, 1992, pp. 171-188. [Reprinted from the *Review of Research in Futures Markets* 4(1985):84-94.]

JOURNAL ARTICLES

1. Huang, Joshua, Teresa Serra, Philip Garcia, and Scott H. Irwin. "To Batch or not Batch? The Release of USDA Crop Reports." *Agricultural Economics*, available online August 5, 2021, <https://doi.org/10.1111/agec.12667>.
2. Bian, Siyu, Teresa Serra, Philip Garcia, and Scott H. Irwin. "New Evidence on Microstructure Noise and Public Announcements." *European Journal of Operations Research*, available online July 23, 2021, <https://doi.org/10.1016/j.ejor.2021.07.030>.
3. Yan, Lei, Scott H. Irwin, and Dwight R., Sanders. "Sunshine vs. Predatory Trading Effects in Commodity Futures Markets: New Evidence from Index Rebalancing." *Journal of Commodity Markets*, available online May 20, 2021, <https://doi.org/10.1016/j.jcomm.2021.100195>.
4. Franken, Jason R. V., Scott H. Irwin, and Philip Garcia. "Biodiesel Hedging under Binding Renewable Fuel Standard Mandates." *Energy Economics* 96(2021), article 105160.
5. Isengildina-Massa, Olga, Berna Karali, Scott H. Irwin, Xiang Cao, Michael Adjemian, and Robert Johansson. "When Does USDA Information Have the Most Impact on Crop and Livestock Markets?" *Journal of Commodity Markets* 22(2021), article 100137.
6. Schnitkey, Gary D., Nicholas D. Paulson, Scott H. Irwin, Jonathan Coppess, Bruce J. Sherrick, Krista J. Swanson, Carl R. Zulauf, and Todd Hubbs. "Coronavirus Impacts on Midwestern Row-Crop Agriculture." *Applied Economic Perspectives and Policy* 43(2021):280-291.
7. Isengildina-Massa, Olga, Berna Karali, and Scott H. Irwin. "Can Private Forecasters Beat the USDA? Analysis of Relative Accuracy of Crop Acreage and Production Forecasts." *Journal of Agricultural and Applied Economics* 52(2020):545-561.

8. Irwin, Scott H., Dwight R., Sanders, Aaron Smith, and Scott Main. "Investing in Commodity Futures: Separating the Wheat from the Chaff." *Applied Economic Perspectives and Policy* 42(2020):583-610.
9. Moran, Nicole M., Scott H. Irwin, and Philip Garcia. "Who Wins and Who Loses? Trader Returns and Risk Premiums in Agricultural Futures Markets." *Applied Economic Perspectives and Policy* 42(2020):611-652.
10. Irwin, Scott H., Kristin McCormack, and James H. Stock. "The Price of Biodiesel RINs and Economic Fundamentals." *American Journal of Agricultural Economics* 102(2020):734-752.
11. Irwin, Scott H., Kristin McCormack, and James H. Stock. "The Price of Biodiesel RINs and Economic Fundamentals: Rejoinder." *American Journal of Agricultural Economics* 102(2020):757-758.
12. Karali, B., S.H. Irwin, and O. Isengildina-Massa. "Supply Fundamentals and Grain Futures Markets." *American Journal of Agricultural Economics* 102(2020):548-568.
13. Wang, Xiaoyang, Philip Garcia, and Scott H. Irwin. "Is the Corn Market Noisier? The Impact of High Frequency Quoting." *Applied Economics*, 52(2020): 2730-2750.
14. Adjemian, Michael K., and Scott H. Irwin. "The Market Response to Government Crop News under Different Release Regimes." *Journal of Commodity Markets*, 19(2020), article 100110.
15. Irwin, Scott H. "Trilogy for Troubleshooting Convergence: Manipulation, Structural Imbalance, and Storage Rates." *Journal of Commodity Markets*, 17(2020), article 100083.
16. Karali, Berna, Olga Isengildina-Massa, Scott H. Irwin, Michael K. Adjemian, and Robert Johansson. "Are USDA Reports Still News to Changing Crop Markets?" *Food Policy* 84(2019):66-76.
17. Irwin, Scott H. "Writing Papers in Economics Using FaKe LaTeX," *Journal of Economic Surveys* 33(2019):1348-1356.
18. Karali, Berna, Olga Isengildina-Massa, and Scott H. Irwin, "The Changing Role of USDA Inventory Reports in Livestock Markets." *Journal of Agricultural and Resource Economics* 44(2019):591-604.

19. Franken, Jason, Philip Garcia, Scott H. Irwin, and Xiaoli L. Etienne. "Information Transmission between Livestock Futures and Expert Price Forecasts." *Journal of Agribusiness* 36(2018):21-39.
20. Main, Scott, Scott H. Irwin, Dwight R., Sanders, and Aaron Smith. "Financialization and the Returns to Commodity Investments." *Journal of Commodity Markets* 10(2018):22-28.
21. Etienne, Xiaoli L., Scott H. Irwin, and Philip Garcia. "Speculation and Corn Prices." *Applied Economics* 50(2018):22-28.
22. 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." *Energy Economics* 72(2018):486-504.
23. Adjemian, Michael K., and Scott H. Irwin. "USDA Announcements in Real-Time." *American Journal of Agricultural Economics* 100(2018):1151-1171.
24. Isengildina-Massa, Olga, Berna Karali, and Scott H. Irwin. "Do Markets Correct for Smoothing in USDA Crop Production Forecasts? Evidence from Private Analysts and Futures Prices." *Applied Economic Perspectives and Policy* 39(2017):559-583.
25. Etienne, Xiaoli L., Mindy L. Mallory, and Scott H. Irwin. "Estimating the Cost of Pre-Harvest Forward Contracting Corn and Soybeans in Illinois Before and After 2007." *Agribusiness* 33(2017):358-377.
26. Etienne, Xiaoli L., Scott H. Irwin, and Philip Garcia. "New Evidence That Index Traders Did Not Drive Large Bubbles in Grain Futures Markets." *Journal of Agricultural and Resource Economics* 42(2017):45-67.
27. Sanders, Dwight R., and Scott H. Irwin. "Bubbles, Froth and Facts: Another Look at the Masters Hypothesis in Commodity Futures Markets." *Journal of Agricultural Economics* 68(2017):345-365.
28. Sanders, Dwight R., and Scott H. Irwin. "The 'Necessity' of New Position Limits in Agricultural Futures Markets: The Verdict from Daily Firm-level Position Data." *Applied Economic Perspectives and Policy* 38(2016):292-317.
29. Joseph, Kishore, Scott H. Irwin and Philip Garcia. "Commodity Storage under Backwardation: Does the Working Curve Still Work?" *Applied Economic Perspectives and Policy* 38(2016):152-173.

30. Hoffman, Linwood A., Xiaoli L. Etienne, Scott H. Irwin, Evelyn V. Colino, and Jose I. Toasa. "Forecast Performance of WASDE Price Projections for U.S. Corn." *Agricultural Economics* 46(2015):157-171.
31. Etienne, Xiaoli L., Scott H. Irwin and Philip Garcia. "\$25 Spring Wheat Was a Bubble, Right?" *Agricultural Finance Review* 75(2015):114-132.
32. Etienne, Xiaoli L., Scott H. Irwin and Philip Garcia. "Price Explosiveness, Speculation, and Grain Futures Prices." *American Journal of Agricultural Economics* 97(2015):65-87.
33. Garcia, Philip, Scott H. Irwin, and Aaron Smith. "Futures Market Failure?" *American Journal of Agricultural Economics* 97(2015):40-64.
34. Mallory, Mindy L., Wenjiao Zhao, and Scott H. Irwin. "The Cost of Post-Harvest Forward Contracting in Corn and Soybeans." *Agribusiness* 31(2015):47-62.
35. Sanders, Dwight R, and Scott H. Irwin. "Energy Futures Prices and Commodity Index Investment: New Evidence from Firm-Level Position Data." *Energy Economics* 46(2014):S57-S68.
36. Wang, Xiaoyang, Philip Garcia, and Scott H. Irwin. "The Behavior of Bid-Ask Spreads in the Electronically-Traded Corn Futures Market." *American Journal of Agricultural Economics* 96(2014):557-577.
37. Etienne, Xiaoli L., Scott H. Irwin and Philip Garcia. "Bubbles in Food Commodity Markets: Four Decades of Evidence." *Journal of International Money and Finance* 42(2014):129-155.
38. Irwin, Scott H. "Commodity Index Investment and Food Prices: Does the "Masters Hypothesis" Explain Recent Price Spikes?" *Agricultural Economics* 44(2013):29-41.
39. Isengildina-Massa, Olga, Berna Karali, and Scott H. Irwin. "When Do the USDA Forecasters Make Mistakes?" *Applied Economics* 45(2013):5086-5103.
40. Sanders, Dwight R., and Scott H. Irwin. "Measuring Index Investment in Commodity Futures Markets." *Energy Journal* 34(2013):105-127.
41. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "Do Big Crops Get Bigger and Small Crops Get Smaller? Further Evidence on Smoothing in U.S. Department of Agriculture Forecasts." *Journal of Agricultural and Applied Economics* 45(2013):95-107.

42. Aulerich, Nicole M., Scott H. Irwin, and Philip Garcia. "Returns to Individual Traders in Agricultural Futures Markets: Skill or Luck?" *Applied Economics* 45(2013):3650-3666.
43. Mallory, Mindy L., Scott H. Irwin, and Dermot J. Hayes. "How Market Efficiency and the Theory of Storage Link Corn and Ethanol Markets." *Energy Economics* 34(2012):2157-2166.
44. Sanders, Dwight R., and Scott H. Irwin. "A Reappraisal of Investing in Commodity Futures Markets." *Applied Economic Perspectives and Policy* 34(2012):515-530.
45. Colino, Evelyn V., Scott H. Irwin, Philip Garcia, and Xiaoli Etienne. "Composite and Outlook Forecast Accuracy." *Journal of Agricultural and Resource Economics* 37(2012):228-246.
46. Irwin, Scott H., and Dwight R. Sanders. "Financialization and Structural Change in Commodity Futures Markets." *Journal of Agricultural and Applied Economics* 44(2012):371-396.
47. Irwin, Scott H., and Dwight R. Sanders. "Testing the Masters Hypothesis in Commodity Futures Markets." *Energy Economics* 34(2012):256-269.
48. Sanders, Dwight R., and Scott H. Irwin. "New Evidence on the Impact of Index Funds in U.S. Grain Futures Markets." *Canadian Journal of Agricultural Economics* 59(2011):519-532.
49. Isengildina-Massa, Olga, Scott Irwin, Darrel L. Good, and Luca Massa. "Empirical Confidence Intervals for USDA Commodity Price Forecasts." *Applied Economics* 43(2011):3789-3803.
50. Sanders, Dwight R. and Scott H. Irwin. "The Impact of Index Funds in Commodity Futures Markets: A Systems Approach." *Journal of Alternative Investments* 14(2011):40-49.
51. Colino, Evelyn V., Scott H. Irwin, and Philip Garcia. "Improving the Accuracy of Outlook Price Forecasts." *Agricultural Economics* 42(2011):357-371.
52. Irwin, Scott H, Darrel L Good, and Mindy L Mallory. "Could a Variable Ethanol Blenders' Tax Credit Work?" *Biofuels* 2(2011):277-284.
53. Brittain, Lee, Philip Garcia, and Scott H Irwin. "Live and Feeder Cattle Options Markets: Returns, Risk, and Volatility Forecasting." *Journal of Agricultural and Resource Economics* 36(2011):28-47.

54. Urcola, Hernan A., and Scott H. Irwin. "Are Agricultural Options Overpriced?" *Journal of Agricultural and Resource Economics* 36(2011):63-77.
55. Irwin, Scott H., and Dwight R. Sanders. "Index Funds, Financialization, and Commodity Futures Markets." *Applied Economic Perspectives and Policy* 33(2011):1-31.
56. Irwin, Scott H., Philip Garcia, Darrel L. Good and Eugene L. Kunda. "Spreads and Non-Convergence in Chicago Board of Trade Corn, Soybean, and Wheat Futures: Are Index Funds to Blame?" *Applied Economics Perspectives and Policy* 33(2011):116-142.
57. Cruz Jr., Jose C., Irwin, Scott H., Marques, P.V., Martines-Filho, Joao G., Bacchi, M.R.P. "Overconfidence among Brazilian Corn Producers and the Use of Futures Markets." *Brazilian Journal of Rural Economy and Sociology* 49(2011):369-390.
58. Urcola, Hernan A., and Scott H. Irwin. "Hog Options: Contract Redesign and Market Efficiency." *Journal of Agricultural and Applied Economics* 42(2010):773-790.
59. Isengildina-Massa, Olga, Scott H. Irwin, and Darrel L. Good. "Quantile Regression Estimates of Confidence Intervals for WASDE Price Forecasts." *Journal of Agricultural and Resource Economics* 35(2010):545-567.
60. Cabrini, Silvina M., Scott H. Irwin and Darrel L. Good. "Should Farmers Follow the Recommendations of Market Advisory Services? A Hierarchical Bayesian Approach to Estimation of Expected Performance." *American Journal of Agricultural Economics* 92(2010):622-637.
61. Colino, Evelyn V., and Scott H. Irwin. "Outlook vs. Futures: Three Decades of Evidence in Hog and Cattle Markets." *American Journal of Agricultural Economics* 92(2010):1-15.
62. Sanders, Dwight R., Scott H. Irwin, and Robert P. Merrin. "The Adequacy of Speculation in Agricultural Futures Markets: Too Much of a Good Thing?" *Applied Economic Perspectives and Policy* 32(2010):77-94.
63. Sanders, Dwight R., and Scott H. Irwin. "A Speculative Bubble in Commodity Futures Prices? Cross-Sectional Evidence." *Agricultural Economics* 41(2010):25-32.
64. Park, C., and Scott H. Irwin. "A Reality Check on Technical Trading Rule Profits in US Futures Markets." *Journal of Futures Markets* 30(2009):633-659.
65. Franken, Jason R. V., Philip Garcia, and Scott H. Irwin. "Is Storage at a Loss Merely an Illusion of Aggregation?" *Journal of Agribusiness* 27(2009): 65-84.

66. Irwin, Scott H., Dwight R. Sanders, and Robert P. Merrin. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom (and Bust)." *Journal of Agricultural and Applied Economics* 41(2009):377-391.
67. Sanders, Dwight R., Scott H. Irwin, and Robert P. Merrin. "Smart Money: The Forecasting Ability of CFTC Large Traders in Agricultural Futures Markets." *Journal of Agricultural and Resource Economics* 34(2009): 276-296.
68. Dietz, Sarah N., Nicole M. Aulerich, Scott H. Irwin, and Darrel L. Good. "The Marketing Performance of Illinois and Kansas Wheat Producers." *Journal of Agricultural and Applied Economics* 41(2009):177-191.
69. Isengildina-Massa, Olga, Scott H. Irwin, and Darrel L. Good. "Impact of WADSE Reports on Implied Volatility in Corn and Soybean Markets." *Agribusiness* 24(2008):473-490.
70. Isengildina-Massa, Olga, Scott H. Irwin, Darrel L. Good, and Jennifer K. Gomez. "The Impact of Situation and Outlook Information in Corn and Soybean Futures Markets: Evidence from WASDE Reports." *Journal of Agricultural and Applied Economics* 40(2008):89-104.
71. Frank, Julieta M., Philip Garcia, and Scott H. Irwin. "To What Surprises Do Hog Futures Markets Respond?" *Journal of Agricultural and Applied Economics* 40(2008):73-88.
72. Pennings, Joost M.E., Olga Isengildina, Scott H. Irwin, Darrel L. Good, Philip Garcia, and W. Erno Kuiper. "Producers' Complex Risk Management Choices." *Agribusiness* 24(2008):31-54.
73. Cabrini, Silvina M., Scott H. Irwin, and Darrel L. Good. "Style and Performance of Agricultural Market Advisory Services." *American Journal of Agricultural Economics* 89(2007):607-623.
74. Park, Cheol Ho, and Scott H. Irwin. "What Do We Know About the Profitability of Technical Analysis?" *Journal of Economic Surveys* 21(2007):786-826.
75. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "Are Revisions to USDA Crop Production Forecasts Smoothed?" *American Journal of Agricultural Economics* 88(2006):1091-1104.
76. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "The Value of USDA Situation and Outlook Information in Hog and Cattle Markets." *Journal of Agricultural and Resource Economics* 31(2006):262-282.

77. Isengildina, Olga, Joost M.E. Pennings, Scott H. Irwin, and Darrel L. Good. "U.S. Crop Farmers' Use of Market Advisory Services." *Journal of International Food and Agribusiness Marketing* 18(2006):67-86.
78. Irwin, Scott H., Darrel L. Good, and Joao Martines-Filho. "The Performance of Market Advisory Services in Corn and Soybeans." *American Journal of Agricultural Economics* 88(2006):162-181.
79. 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?" *American Journal of Agricultural Economics* 87(2005):1271-1279.
80. Shi, Wei, and Scott H. Irwin. "Optimal Hedging with a Subjective View: An Empirical Bayesian Approach." *American Journal of Agricultural Economics* 87(2005):918-930.
81. Cabrini, Silvina M., Brian G. Stark, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Portfolios of Agricultural Market Advisory Services: How Much Diversification is Enough?" *Journal of Agricultural and Applied Economics* 37(2005):101-114.
82. Pennings, Joost M.E., Scott H. Irwin, Darrel L. Good, and Olga Isengildina. "Heterogeneity in the Likelihood of Market Advisory Service Use by U.S. Crop Producers." *Agribusiness* 21(2005):109-128.
83. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "Evaluation of USDA Interval Forecasts of Corn and Soybean Prices." *American Journal of Agricultural Economics* 86(2004):990-1004.
84. Pennings, Joost M.E., Olga Isengildina, Scott H. Irwin, and Darrel L. Good. "The Impact of Market Advisory Service Recommendations on Producers' Marketing Decisions." *Journal of Agricultural and Resource Economics* 29(2004):308-327.
85. Stark, Brian G., Silvina M. Cabrini, Hayri Onal, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Efficiency Analysis of Agricultural Market Advisory Services: A Non-Linear Mixed-Integer Programming Approach." *Manufacturing and Service Operations Management* 6(2004):237-252.
86. Irwin, Scott H., Gary D. Schnitkey, Darrel L. Good, and Paul N. Ellinger. "The *farmdoc* Project: This is Still Your Father's Extension Program." *American Journal of Agricultural Economics* 86(2004):772-777.

87. Sherrick, Bruce J., Fabio C. Zanini, Gary D. Schnitkey, and Scott H. Irwin. "Crop Insurance Valuation under Alternative Yield Distributions." *American Journal of Agricultural Economics* 86(2004):406-419.
88. Sanders, Dwight R., Scott H. Irwin, and Raymond M. Leuthold. "The Theory of Contrary Opinion: A Test Using Sentiment Indexes in Futures Markets." *Journal of Agribusiness* 21(2003):39-64.
89. Schnitkey, Gary D., Bruce J. Sherrick, and Scott H. Irwin. "Evaluation of Risk Reductions Associated with Multi-Peril Crop Insurance Products." *Agricultural Finance Review* 63(2003):1-21.
90. Egelkraut, Thorsten M., Philip Garcia, Scott H. Irwin, and Darrel L. Good. "An Evaluation of Crop Forecast Accuracy for Corn and Soybeans: USDA and Private Information Services." *Journal of Agricultural and Applied Economics* 35(2003):79-95.
91. Pennings, Joost M.E., Scott H. Irwin, and Darrel L. Good. "Surveying Farmers: A Case Study." *Review of Agricultural Economics* 24(2002):266-277.
92. Manfredo, Mark R., Raymond M. Leuthold, and Scott H. Irwin. "Forecasting Fed Cattle, Feeder Cattle, and Corn Cash Price Volatility: Time Series, Implied Volatility, and Composite Approaches." *Journal of Agricultural and Applied Economics* 33(2001):523-538.
93. Zulauf, Carl R., Donald W. Larson, Christopher K. Alexander, and Scott H. Irwin. "Pre-Harvest Pricing Strategies in Ohio Corn Markets: The Role of Cash Flow Risk." *Journal of Agricultural and Applied Economics* 33(2001):103-115.
94. Zulauf, Carl R., Jeffrey A. Goodbar, Scott H. Irwin, and Robert P. Leeds. "A Case Study of the General Principles of Corn Storage: Ohio Corn, 1964-1997 Crop Years." *Journal of the American Society of Farm Managers and Rural Appraisers* 63(1999):117-126.
95. Irwin, Scott H., and Satoko Yoshimaru. "Managed Futures, Positive Feedback Trading, and Futures Price Volatility." *Journal of Futures Markets* 19(1999):759-776.
96. Zulauf, Carl R., Scott H. Irwin, Jason E. Ropp, and Anthony J. Sberna. "A Reappraisal of the Forecasting Performance of Corn and Soybean New Crop Futures." *Journal of Futures Markets* 19(1999):603-618.
97. Zulauf, Carl R., and Scott H. Irwin. "Market Efficiency and Marketing to Enhance Income of Crop Producers." *Review of Agricultural Economics* 20(1998):308-331.

98. Canoles, W. Bruce, Sarahelen Thompson, Scott H. Irwin, and Virginia Grace France. "An Analysis of the Profiles and Motivations of Habitual Commodity Speculators." *Journal of Futures Markets* 18(1998):765-802.
99. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "Future Price Responses to USDA's Cold Storage report." *Agribusiness* 13(1997):393-400.
100. Garcia, Philip, Scott H. Irwin, Raymond M. Leuthold, and Li Yang. "The Value of Public Information in Commodity Futures Markets." *Journal of Economic Behavior and Organization* 32(1997):559-570.
101. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "An Examination of Option-Implied S&P 500 Futures Price Distributions." *Financial Review* 31(1996):667-694.
102. Irwin, Scott H., Carl R. Zulauf, and Thomas E. Jackson. "Monte Carlo Analysis of Mean Reversion in Commodity Futures Prices." *American Journal of Agricultural Economics* 78(1996):387-399.
103. Brorsen, B. Wade, and Scott H. Irwin. "Improving the Relevance of Research on Price Forecasting and Marketing Strategies." *Agricultural and Resource Economics Review* 25(1996):68-75.
104. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "The Reaction of Wheat, Corn, and Soybean Futures Prices to the USDA Export Inspection Report." *Review of Agricultural Economics* 18(1996):127-136.
105. Colling, Phil L., and Scott H. Irwin. "Informational Content of Government Hogs and Pigs Reports: Comment." *American Journal of Agricultural Economics* 77(1995):698-702.
106. Liu, Te-Ru, Mary E. Gerlow, and Scott H. Irwin. "The Performance of Alternative VAR Models in Forecasting Exchange Rates." *International Journal of Forecasting* 10(1994):419-433.
107. Irwin, Scott H., Carl R. Zulauf, and Barry L. Ward. "The Predictability of Managed Futures Returns." *Journal of Derivatives* 2(1994):20-27.
108. Irwin, Scott H., Mary E. Gerlow, and Te-Ru Liu. "The Forecasting Performance of Livestock Futures Prices: A Comparison to USDA Expert Predictions." *Journal of Futures Markets* 14(1994):861-875.
109. Irwin, Scott H., and Cameron S. Thraen. "Rational Expectations in Agriculture? A Review of the Issues and Evidence." *Review of Agricultural Economics* 16(1994):125-147.

110. Gerlow, Mary E., Scott H. Irwin, and Te-Ru Liu. "Economic Evaluation of Commodity Price Forecasting Models." *International Journal of Forecasting* 9(1993):387-397.
111. Irwin, Scott H., Terry R. Krukemyer, and Carl R. Zulauf. "Investment Performance of Public Commodity Pools: 1979 to 1990." *Journal of Futures Markets* 13(1993):799-820.
112. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "Weak- and Strong-Form Rationality Tests of Market Analysts' Expectations of USDA Hogs and Pigs Reports." *Review of Agricultural Economics* 14(1992):263-270.
113. Gerlow, Mary E., Scott H. Irwin, Carl R. Zulauf, and Jonathan N. Tinker. "The Market Timing Value of Univariate and Multivariate Time Series Models Within the Soybean Complex." *Journal of Agribusiness* 9(1992):51-63.
114. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "Option-Based Evidence of the Non-Stationarity of Expected S&P 500 Futures Price Distributions." *Journal of Futures Markets* 12(1992):275-290.
115. Johnson, Robert L., Carl R. Zulauf, Scott H. Irwin, and Mary E. Gerlow. "The Soybean Complex Spread: An Examination of Market Efficiency from the Viewpoint of a Production Process." *Journal of Futures Markets* 11(1991):25-37.
116. Gerlow, Mary E., and Scott H. Irwin. "The Performance of Exchange Rate Forecasting Models: An Economic Evaluation." *Applied Economics* 23(1991):133-142.
117. Irwin, Scott H. "Research Directions in Commodity Options—Academic and Practitioner Views—Agricultural." *Review of Futures Markets* 9(1990):139-144.
118. Baldwin, E. Dean, Scott H. Irwin, Hassan Ahmed, and Robert Rye. "Hedging Effectiveness in a Vertical Marketing Channel." *Journal of Agribusiness* 8(1990):35-48.
119. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "Expected Soybean Futures Price Distributions: Option Based Assessments." *Review of Futures Markets* 9(1990):386-409.
120. Colling, Phil L., and Scott H. Irwin. "The Reaction of Live Hog Futures Prices to USDA Hogs and Pigs Reports." *American Journal of Agricultural Economics* 72(1990):84-94.
121. Irwin, Scott H., and Phil L. Colling. "Are Farm Asset Values Too Volatile?" *Agricultural Finance Review* 50(1990):58-65.

122. Frank, Stuart D., Scott H. Irwin, George H. Pfeiffer, and Charles E. Curtis. "Further Evidence on Soybean Marketing Strategies: The Role of Options." *North Central Journal of Agricultural Economics* 11(1989):213-220.
123. 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." *Journal of Financial and Quantitative Analysis* 24(1989):105-116.
124. Irwin, Scott H. "Comment: How Efficient are the Most Liquid Futures Contracts? A Study of Treasury Bond Futures." *Review of Futures Markets* 7(1988 Supplement):596.
125. Irwin, Scott H., D. Lynn Forster, and Bruce J. Sherrick. "Returns to Farm Real Estate Revisited." *American Journal of Agricultural Economics* 70(1988):580-587.
126. Lukac, Louis P., B. Wade Brorsen, and Scott H. Irwin. "A Test of Futures Market Disequilibrium Using Twelve Different Technical Trading Systems." *Applied Economics* 20(1988):623-639.
127. Lukac, Louis P., B. Wade Brorsen, and Scott H. Irwin. "Similarity of Computer Guided Technical Trading Systems." *Journal of Futures Markets* 8(1988):1-13.
128. Irwin, Scott H., and Diego Landa. "Real Estate, Futures, and Gold as Portfolio Assets." *Journal of Portfolio Management* 14(1987):29-34.
129. Brorsen, B. Wade, and Scott H. Irwin. "Futures Funds and Price Volatility." *Review of Futures Markets* 7(1987):118-135.
130. Irwin, Scott H., and B. Wade Brorsen. "A Note on the Factors Affecting Technical Trading System Returns." *Journal of Futures Markets* 7(1987):591-595.
131. Irwin, Scott H., and B. Wade Brorsen. "Public Futures Funds." *Journal of Futures Markets* 6(1985):461-485.
132. Brorsen, B. Wade, and Scott H. Irwin. "Examination of Commodity Fund Performance." *Review of Research in Futures Markets* 4(1985):84-94.
133. Irwin, Scott H., and J. William Uhrig. "Do Technical Analysts Have Holes in Their Shoes?" *Review of Research in Futures Markets* 3(1984):264-277.

JOURNAL ARTICLES IN PROGRESS

1. Yan, Lei, Scott H. Irwin, and Dwight R., Sanders. “The Order Flow Cost of Index Rolling in Commodity Futures Markets,” to be submitted for second review at *Applied Economic Perspectives and Policy*.
2. Bohl, Martin T., Scott H. Irwin, Alexander Pütz, and Christoph Sulewski. “The Impact of Financialization on the Efficiency of Commodity Futures Markets,” to be submitted for first review at the *American Journal of Agricultural Economics*.
3. Tremacoldi-Rossi, Pedro, and Scott H. Irwin. “The Misbehavior of Simple Bid-Ask Spread Estimators,” to be submitted for first review at the *Journal of Financial Economics*.
4. Li, Jiariu, and Scott H. Irwin. “The Pass-Through of Credit Prices for the Low Carbon Fuel Standard in California Wholesale Fuel Markets,” to be submitted for first review at the *Journal of the Association of Environmental and Resource Economists*.
5. Li, Jiariu, Scott H. Irwin, and Xiaoli Etienne. “Do Extreme CIT Position Levels Have Market Impacts in Grain Futures Markets,” to be submitted for first review to *Journal of Agricultural and Applied Economics*.

RESEARCH REPORTS AND MONOGRAPHS

1. Irwin, Scott H., and James H. Stock. “The Renewable Fuel Standard: Compliance and Stakeholder Perspectives.” Research Report, U.S. Congressional Research Service, November 2018.
2. Irwin, Scott H., Dwight R. Sanders, and Darrel L. Good. “Evaluation of Selected USDA WAOB and NASS Forecasts and Estimates in Corn and Soybeans.” Marketing and Outlook Research Report 2014-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 2014.
3. Adjemian, Michael K., Philip Garcia, Scott H. Irwin and Aaron D. Smith. “Non-Convergence in Domestic Commodity Futures Markets: Causes, Consequences, and Remedies.” Economic Information Bulletin Number 115, Economic Research Service, U.S. Department of Agriculture, August 2013.
4. Tracy L. Brandenberger, Scott H. Irwin, and Darrel L. Good. “The Pricing Performance of Market Advisory Services in Live Cattle over 1995-2004.” AgMAS Project Research Report 2012-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2012.

5. Ricky L. Webber, Ryan M. Batts, Scott H. Irwin, and Darrel L. Good. "The Pricing Performance of Market Advisory Services in Hogs over 1995-2004." AgMAS Project Research Report 2012-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2012.
6. Irwin, Scott H., Dwight R. Sanders. "The Impact of Index and Swap Funds in Commodity Futures Markets: Preliminary Results." *OECD Food, Agriculture and Fisheries Working Papers*, No. 27, OECD Publishing, June 2010.
7. Irwin, Scott H., Dwight. R. Sanders. "The Impact of Index and Swap Funds in Commodity Futures Markets: Preliminary Results (Annex)." Trade and Agriculture Directorate, Committee for Agriculture, Organization for Economic Cooperation and Development, June 2010.
8. Batts, Ryan M., Tracy L. Brandenberger, Scott H. Irwin, and Darrel L. Good. "Advisory Service Marketing Profiles for Hard Red Winter Wheat over 1995-2004." AgMAS Project Research Report 2009-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 2009.
9. Batts, Ryan M., Tracy L. Brandenberger, Scott H. Irwin, and Darrel L. Good. "Advisory Service Marketing Profiles for Soft Red Winter Wheat over 1995-2004." AgMAS Project Research Report 2009-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 2009.
10. Batts, Ryan M., Scott H. Irwin, and Darrel L. Good. "The Pricing Performance of Market Advisory Services in Wheat over 1995-2004." AgMAS Project Research Report 2009-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 2009.
11. Irwin, Scott H., Philip Garcia, Darrel L. Good, and Eugene L. Kunda. "Poor Convergence Performance of CBOT Corn, Soybean and Wheat Futures Contracts: Causes and Solutions." Marketing and Outlook Research Report 2009-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2009.
12. Isengildina-Massa, O., Scott H. Irwin, and Darrel L. Good. "Empirical Confidence Intervals for WASDE Forecasts of Corn, Soybean, and Wheat Prices." Marketing and Outlook Research Report 2009-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 2009.

13. Sanders, Dwight R., Scott H. Irwin, and Robert P. Merrin. "The Adequacy of Speculation in Agricultural Futures Markets: Too Much of a Good Thing?" Marketing and Outlook Research Report 2008-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2008.
14. Tannura, Michael A., Scott H. Irwin, and Darrel L. Good. "Weather, Technology, and Corn and Soybean Yields in the U.S. Corn Belt." Marketing and Outlook Research Report 2008-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 2008.
15. Isengildina-Massa, Olga, Scott H. Irwin, and Darrel L. Good. "Empirical Approaches to Estimating Confidence Intervals for WASDE Price Forecasts." Final Research Report, Economic Research Service, U.S. Department of Agriculture, November 2007.
16. Good, Darrel, Scott Irwin, and Philip Garcia. "The Performance of the Chicago Board of Trade Corn, Soybean, and Wheat Contracts after Changes in Speculative Limits in 2005." A Research Report to the Chicago Board of Trade, November 2006.
17. Colino, Evelyn V., Silvina M. Cabrini, Nicole M. Aulerich, Tracy L. Brandenberger, Robert P. Merrin, Wei Shi, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Advisory Service Marketing Profiles for Soybeans Over 2002-2004." AgMAS Project Research Report 2006-05, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2006.
18. Colino, Evelyn V., Silvina M. Cabrini, Nicole M. Aulerich, Tracy L. Brandenberger, Robert P. Merrin, Wei Shi, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Advisory Service Marketing Profiles for Corn Over 2002-2004." AgMAS Project Research Report 2006-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2006.
19. Irwin, Scott H., Darrel L. Good, Joao Martines-Filho, and Ryan M. Batts. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2004: A Non-Technical Summary." AgMAS Project Research Report 2006-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2006.
20. Irwin, Scott H., Darrel L. Good, Joao Martines-Filho, and Ryan M. Batts. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2004." AgMAS Project Research Report 2006-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2006.

21. Good, Darrel L., and Scott H. Irwin. "Understanding USDA Corn and Soybean Production Forecasts: An Overview of Methods, Performance and Market Impact over 1970-2005." AgMAS Project Research Report 2006-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 2006.
22. Park, Cheol Ho, and Scott H. Irwin. "The Profitability of Technical Trading Rules in U.S. Futures Markets: A Data Snooping Free Test." AgMAS Project Research Report 2005-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 2005.
23. Good, Darrel L., and Scott H. Irwin. "Understanding USDA Corn and Soybean Production Forecasts: An Overview of Methods, Performance and Market Impact over 1970-2004." AgMAS Project Research Report 2005-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2005.
24. Irwin, Scott H., Darrel L. Good, Joao Martines-Filho, and Lewis A. Hagedorn. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2003: A Non-Technical Summary." AgMAS Project Research Report 2005-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2005.
25. Irwin, Scott H., Darrel L. Good, Joao Martines-Filho, and Lewis A. Hagedorn. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2003." AgMAS Project Research Report 2005-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2005.
26. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "The Value of USDA Outlook Information in Hog and Cattle Markets." Final Research Report, Economic Research Service, U.S. Department of Agriculture, November 2004.
27. Park, Cheol Ho, and Scott H. Irwin. "The Profitability of Technical Analysis: A Review." AgMAS Project Research Report 2004-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 2004.
28. Isengildina, Olga, Joost M.E Pennings, Scott H. Irwin, and Darrel L. Good. "Crop Farmers' Use of Market Advisory Services." AgMAS Project Research Report 2004-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 2004.
29. Colino, Evelyn V., Silvina M. Cabrini, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Advisory Service Marketing Profiles for Soybeans in 2001." AgMAS Project Research Report 2004-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2004.

30. Colino, Evelyn V., Silvina M. Cabrini, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Advisory Service Marketing Profiles for Corn in 2001." AgMAS Project Research Report 2004-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2004.
31. Good, Darrel L., and Scott H. Irwin. "Understanding USDA Corn and Soybean Production Forecasts: An Overview of Methods, Performance and Market Impact." AgMAS Project Research Report 2003-07, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 2003.
32. Irwin, Scott H., Joao Martines-Filho, and Darrel L. Good. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2001: A Non-Technical Summary." AgMAS Project Research Report 2003-06, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2003.
33. Irwin, Scott H., Joao Martines-Filho, and Darrel L. Good. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2001." AgMAS Project Research Report 2003-05, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2003.
34. Martines-Filho, Joao, Scott H. Irwin, Darrel L. Good, Silvina M. Cabrini, Wei Shi, Brian G. Stark, Ricky L. Webber, Lewis A. Hagedorn, and Steven L. Williams. "Advisory Service Marketing Profiles for Soybeans Over 1995-2000." AgMAS Project Research Report 2003-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2003.
35. Martines-Filho, Joao, Scott H. Irwin, Darrel L. Good, Silvina M. Cabrini, Wei Shi, Brian G. Stark, Ricky L. Webber, Lewis A. Hagedorn, and Steven L. Williams. "Advisory Service Marketing Profiles for Corn Over 1995-2000." AgMAS Project Research Report 2003-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2003.
36. Stark, Brian G., Silvina M. Cabrini, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Portfolios of Agricultural Market Advisory Services: How Much Diversification is Enough?" AgMAS Project Research Report 2003-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2003.
37. Hagedorn, Lewis A., Scott H. Irwin, Darrel L. Good, Joao Martines-Filho, Bruce J. Sherrick, and Gary D. Schnitkey. "New Generation Grain Marketing Contracts." AgMAS Project Research Report 2003-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 2003.

38. Irwin, Scott H., Darrel L. Good, Jennifer K. Gomez, and Olga Isengildina. "The Value of USDA Outlook Information: An Investigation Using Event Study Analysis." Final Research Report, Economic Research Service, U.S. Department of Agriculture, December 2002.
39. Irwin, Scott H., Joao Martines-Filho, and Darrel L. Good. "Tracking the Performance of Market Professionals: 1995-2000 Results for Corn and Soybeans." AgMAS Project Research Bulletin 2002-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2002.
40. Irwin, Scott H., Joao Martines-Filho, and Darrel L. Good. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." AgMAS Project Research Report 2002-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2002.
41. Martines-Filho, Joao, Darrel L. Good, and Scott H. Irwin. "1999 Pricing Performance of Market Advisory Services for Wheat." AgMAS Project Research Report 2001-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2001.
42. Pennings, Joost M.E., Darrel L. Good, Scott H. Irwin, and Jennifer K. Gomez. "The Role of Market Advisory Services in Crop Marketing and Risk Management: A Preliminary Report of Survey Results." AgMAS Project Research Report 2001-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2001.
43. Jirik, Mark A., Scott H. Irwin, Darrel L. Good, Joao Martines-Filho, and Thomas E. Jackson. "Do Agricultural Market Advisory Services Beat the Market? Evidence from the Wheat Market Over 1995-1998." AgMAS Project Research Report 2001-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2001.
44. Martines-Filho, Joao, Darrel L. Good, and Scott H. Irwin. "1999 Pricing Performance of Market Advisory Services for Corn and Soybeans." AgMAS Project Research Report 2000-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 2000.
45. Irwin, Scott H., Darrel L. Good, Joao Martines-Filho, and Thomas E. Jackson. "Do Agricultural Market Advisory Services Beat the Market? Evidence from the Corn and Soybean Markets Over 1995-1998." AgMAS Project Research Report 2000-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 2000.

46. Jirik, Mark A., Darrel L. Good, Scott H. Irwin, Thomas E. Jackson, and Joao Martines-Filho. "The 1995 Through 1998 Pricing Performance of Market Advisory Services for Wheat." AgMAS Project Research Report 2000-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2000.
47. Good, Darrel L., Scott H. Irwin, Thomas E. Jackson, Mark A. Jirik, and Joao Martines-Filho. "1998 Pricing Performance of Market Advisory Services for Corn and Soybeans." AgMAS Project Research Report 2000-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 2000.
48. Pennings, Joost M.E., Scott H. Irwin, and Darrel L. Good. "Surveying Farmers: A Research Note." AgMAS Project Research Report 1999-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 1999.
49. Irwin, Scott H., Thomas E. Jackson and Darrel L. Good. "Do Agricultural Market Advisory Services Beat the Market? Evidence from the Corn and Soybean Markets Over 1995-1997." AgMAS Project Research Report 1999-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 1999.
50. Bertoli, Roberto, Carl R. Zuluaf, Scott H. Irwin, Thomas E. Jackson, and Darrel L. Good. "The Marketing Style of Advisory Services for Corn and Soybeans in 1995." AgMAS Project Research Report 1999-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 1999.
51. Jackson, Thomas E., Scott H. Irwin, and Darrel L. Good. "1997 Pricing Performance of Market Advisory Services for Corn and Soybeans." AgMAS Project Research Report 1999-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 1999.
52. Good, Darrel L., Scott H. Irwin, and Thomas E. Jackson. "Development of a Market Benchmark Price for AgMAS Performance Evaluations." AgMAS Project Research Report 1998-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 1998.
53. Jackson, Thomas E., Scott H. Irwin, and Darrel L. Good. "1996 Pricing Performance of Market Advisory Services for Corn and Soybeans." AgMAS Project Research Report 1998-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 1998.
54. Good, Darrel L., Scott H. Irwin, Thomas E. Jackson, and Gregory K. Price. "1995 Pricing Performance of Market Advisory Services for Corn and Soybeans." AgMAS Project Research

Report 1997-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign and Department of Agricultural Economics and Rural Sociology, The Ohio State University, March 1997.

55. Irwin, Scott H., and Satoko Yoshimaru. "Managed Futures Trading and Futures Price Volatility." Final Research Report, Managed Derivatives Research Foundation, May 1996.
56. Lukac, Louis P., B. Wade Brorsen, and Scott H. Irwin. "A Comparison of Twelve Technical Trading Systems." Greenville: Traders Press, Inc., 1990. [Reprint of Station Bulletin No. 495. Department of Agricultural Economics, Agricultural Experiment Station, Purdue University, July, 1986.]
57. Irwin, Scott H., Robert A. Pelly, and Carl R. Zulauf. "An Investigation of Pricing Models for Live Cattle and Feeder Cattle Futures Options." Research Bulletin 2-89. Research Institute on Livestock Pricing, Agricultural Economics, Virginia Tech, September, 1989.
58. Lukac, Louis P., B. Wade Brorsen, and Scott H. Irwin. "A Comparison of Twelve Technical Trading Systems with Market Efficiency Implications." Station Bulletin No. 495. Department of Agricultural Economics, Agricultural Experiment Station, Purdue University, July, 1986.
59. Irwin, Scott H. and J. William Uhrig. "Statistical and Trading Systems Analysis of Weak Form Efficiency in U.S. Futures Markets." Bulletin No. 421. Department of Agricultural Economics, Agricultural Experiment Station, Purdue University, August, 1983.

WORKING PAPERS

1. Irwin, Scott H., Kristen McCormack, and James H. Stock. "The Price of Biodiesel RINs and Economic Fundamentals," Working Paper No. 25341, National Bureau of Economics Research, December 2018.
2. Aulerich, Nicole M., Scott H. Irwin, and Philip Garcia. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." Working Paper No. 19065, National Bureau of Economics Research, May 2013.
3. Irwin, Scott H. "Does the Masters Hypothesis Explain Recent Food Price Spikes?" Working Paper No. 2012-11, Structure and Performance of Agriculture and Agri-Products Industry Network, June 2012.
4. Mallory, Mindy L., Dermot J. Hayes, and Scott H. Irwin. "How Market Efficiency and the Theory of Storage Link Corn and Ethanol Markets." CARD Working Paper 10-WP 517, Department of Economics, Iowa State University, December 2010.

5. 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, November 2008.
6. Manfredo, Mark R., Raymond M. Leuthold and Scott H. Irwin "Forecasting Fed Cattle, Feeder Cattle, and Corn Cash Price Volatility: Time Series, Implied Volatility, and Composite Approaches." Office for Futures and Options Research, Working Paper 99-08, University of Illinois, December 1999.
7. Sanders, Dwight R., Scott H. Irwin, and Raymond M. Leuthold. "Noise Traders, Market Sentiment, and Futures Price Behavior." Office for Futures and Options Research, Working Paper 97-04, University of Illinois, October 1997.
8. Zulauf, Carl R. and Scott H. Irwin. "Market Efficiency and Marketing to Enhance Income of Crop Producers." Office for Futures and Options Research, Working Paper 97-02, University of Illinois, June 1997.
9. Canoles, W. Bruce, Sarahelen Thompson, Scott H. Irwin, and Virginia Grace France. "An Analysis of the Profiles and Motivations of Habitual Commodity Speculators." Office for Futures and Options Research, Working Paper 97-01, University of Illinois, May 1997.
10. Zulauf, Carl R. and Scott H. Irwin. "Discussion of Proposed Change in Chicago Board of Trade Delivery Area for Corn and Soybean Futures Contracts." ESO 2357, Department of Agricultural Economics, The Ohio State University, June 1997.
11. Canoles, W. Bruce, Sarahelen Thompson, Scott H. Irwin, and Virginia Grace France. "An Analysis of the Profiles and Motivations of Habitual Commodity Speculators." Office for Futures and Options Research, Working Paper 97-01, University of Illinois, May 1997.
12. Sanders, Dwight R., Scott H. Irwin, and Raymond M. Leuthold. "Noise Trader Demand in Futures Markets." Office for Futures and Options Research, Working Paper 96-02 University of Illinois, June 1996.
13. Garcia, Philip, Scott H. Irwin, Raymond M. Leuthold, Li Yang. "New Evidence on the Value of Public Information in Commodity Markets." Office for Futures and Options Research, Working Paper 94-04, University of Illinois, May 1994.
14. Jackson, Thomas E., Carl R. Zulauf, and Scott H. Irwin. "Mean Reversion in Agricultural Prices?" Office for Futures and Options Research, Working Paper 93-04, University of Illinois, October 1993.

15. Lukac, Louis P., B. Wade Brorsen, and Scott H. Irwin. "Similarity of Computer Guided Technical Trading Systems." Working Paper No. 124, Center For the Study of Futures Markets, Columbia University Business School, March 1986.
16. Irwin, Scott H. and B. Wade Brorsen. "An Economic Evaluation of Technical Analysis." Working Paper No. 84-7, Department of Agricultural Economics, Purdue University, June, 1984.
17. Brorsen, B. Wade and Scott H. Irwin. "Evaluation of Public Futures Funds." Working Paper No. 77, Center for the Study of Futures Markets, Columbia University, April, 1984.
18. Irwin, Scott H. and Anne E. Peck. "Margins on Futures Markets: Contract Security and Pricing Performance." Working Paper, American Enterprise Institute, March 1984.

PAPERS IN PROCEEDINGS¹

1. Li, Jiariu, Scott H. Irwin, and Xiaoli Etienne. "Do Extreme CIT Position Levels Have Market Impacts in Grain Futures Markets." *Proceedings of the 2021 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
2. Franken, Jason R. V., Scott H. Irwin, and Phillip Garcia. "Biodiesel Cross-Hedging Opportunities." *Proceedings of the 2020 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
3. Karali, Berna, Scott H. Irwin, and Olga Isengildina-Massa. "Supply Fundamentals and Grain Futures Markets." *Proceedings of the 2019 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
4. Karali, Berna, Olga Isengildina-Massa, and Scott H. Irwin. "Do Livestock Markets Still Value USDA Information." *Proceedings of the 2018 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
5. Lei Yan Sanders, Dwight R., and Scott H. Irwin "Identifying the Impact of Financialization on Commodity Futures Prices from Index Rebalancing." *Proceedings of the 2016 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

¹ All papers published in the proceedings of the NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management can be found here: <http://www.farmdoc.illinois.edu/nccc134/paperarchive.html>.

6. Isengildina-Massa, Olga, Berna Karali, Scott H. Irwin, Michael K. Adjemian, and Xiang Cao. "The Value of USDA Information in a Big Data Era." *Proceedings of the 2016 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
7. Sanders, Dwight R., and Scott H. Irwin. "Bubbles, Froth, and Facts: What Evidence is There to Support the Masters Hypothesis?" *Proceedings of the 2015 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
8. Sanders, Dwight R., and Scott H. Irwin. "Do Index Traders Cause Agricultural Price Changes? New Evidence from Daily Firm-Level Position Data." *Proceedings of the 2014 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
9. Etienne, Xiaoli L., Scott H. Irwin, and Philip Garcia. "A Structural Approach to Disentangling Speculative and Fundamental Influences on the Price of Corn." *Proceedings of the 2014 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
10. Etienne, Xiaoli L., Scott H. Irwin, and Philip Garcia. "Bubbles in Grain Futures Markets: When Are They Most Likely to Occur?" *Proceedings of the 2013 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
11. Franken, Jason, Philip Garcia, Scott H. Irwin, and Xiaoli L. Etienne. "Information Transmission between Livestock Futures and Expert Price Forecasts." *Proceedings of the 2013 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
12. Main, Scott, Scott H. Irwin, Dwight R., Sanders, and Aaron D. Smith. "How Could We Have Been So Wrong? The Puzzle of Disappointing Returns to Commodity Index Investments." *Proceedings of the 2013 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
13. Etienne, Xiaoli L., Scott H. Irwin, and Philip Garcia. "Price Explosiveness and Index Trader Behavior in the Corn, Soybean, and Wheat Futures Markets." *Proceedings of the 2012 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
14. Wang, Xiaoyang, Philip Garcia, and Scott H. Irwin. "The Behavior of Bid-Ask Spreads in the Electronically Traded Corn Futures Market." *Proceedings of the 2012 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

15. Aulerich, Nicole M., Scott H. Irwin, and Philip Garcia. "Returns to Individual Traders in Agricultural Futures Markets: Skill or Luck?" *Proceedings of the 2011 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
16. Garcia, Philip, and Scott H. Irwin and Aaron D. Smith. "Futures Market Failure." *Proceedings of the 2011 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
17. Sanders, Dwight R., and Scott H. Irwin. "Investing' in Commodity Futures Markets: Are the Lambs Being Led to Slaughter?" *Proceedings of the 2011 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
18. Aulerich, Nicole M., Scott H. Irwin, and Philip Garcia. "Returns to Traders and Existence of a Risk Premium in Agricultural Futures Markets." *Proceedings of the 2010 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
19. Mallory, Mindy L., and Scott H. Irwin. "The Forward Contract's Income Shifting Option and Implications on the Forward Basis." *Proceedings of the 2010 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
20. Brittain, Lee, Philip Garcia, and Scott H. Irwin. "Live and Feeder Cattle Options Markets: Returns, Risk, and Volatility Forecasting." *Proceedings of the 2009 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
21. Colino, Evelyn V., Scott H. Irwin, and Philip Garcia. "Do Composite Procedures Really Improve the Accuracy of Outlook Forecasts?" *Proceedings of the 2009 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
22. Aulerich, Nicole M., Scott H. Irwin, and Philip Garcia. "The Price Impact of Index Funds in Commodity Futures Markets: Evidence from the CFTC's Daily Large Trader Database." *Proceedings of the 2009 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
23. Sanders, Dwight R., and Scott H. Irwin. "A Speculative Bubble in Commodity Futures Prices? Cross-Sectional Evidence." *Proceedings of the 2009 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
24. Colino, Evelyn V., Scott H. Irwin, and Philip Garcia. "How Much Can Outlook Forecasts be Improved? An Application to the U.S. Hog Market." *Proceedings of the 2008 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

25. Sanders, Dwight R., Scott H. Irwin, and Robert P. Merrin. "The Adequacy of Speculation in Agricultural Futures Markets: Too Much of a Good Thing?" *Proceedings of the 2008 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
26. Dietz, Sarah N., Nicole M. Aulerich, Scott H. Irwin, and Darrel L. Good. "The Marketing Performance of Illinois and Kansas Wheat Producers." *Proceedings of the 2008 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
27. Colino, Evelyn V., and Scott H. Irwin. "Outlook vs. Futures: Three Decades of Evidence from Hog and Cattle Markets." *Proceedings of the 2007 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
28. Isengildina-Massa, Olga, Scott H. Irwin, and Darrel L. Good. "Do Big Crops Get Bigger and Small Crops Get Smaller? Further Evidence on Smoothing in USDA Crop Production Forecasts." *Proceedings of the 2007 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
29. Aulerich, Nicole M., Scott H. Irwin, and Carl H. Nelson. "The Impact of Measurement Error on Estimates of the Price Reaction to USDA Crop Reports." *Proceedings of the 2007 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
30. Sanders, Dwight R., Scott H. Irwin, and Robert Merrin. "Smart Money? The Forecasting Ability of CFTC Large Traders." *Proceedings of the 2007 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
31. Frank, Julieta M., Philip Garcia, and Scott H. Irwin. "To What Surprises Do Hog Futures Markets Respond?" *Proceedings of the 2007 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
32. Urcola, Hernan A., and Scott H. Irwin. "Are Corn and Soybean Options Too Expensive?" *Proceedings of the 2006 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
33. Cabrini, Silvina M., Scott H. Irwin, and Darrel L. Good. "Should Farmers Follow the Recommendations of Market Advisory Services? A Bayesian Approach to Performance Evaluation." *Proceedings of the 2006 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

34. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "Empirical Confidence Intervals for WASDE Forecasts of Corn, Soybean and Wheat Prices." *Proceedings of the 2006 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
35. Franken, Jason R.V., Philip Garcia, and Scott H. Irwin. "Is Storage at a Loss Merely an Illusion of Aggregation?" *Proceedings of the 2006 NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
36. Park, Cheol Ho, and Scott H. Irwin. "A Reality Check on the Profitability of Technical Trading Rules in U.S. Futures Markets." *Proceedings of the 2005 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
37. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "The Value of USDA Situation and Outlook Information in Hog and Cattle Markets." *Proceedings of the 2005 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
38. Cabrini, Silvina M., Scott H. Irwin, and Darrel L. Good. "Style and Performance of Agricultural Market Advisory Services." *Proceedings of the 2005 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
39. Shi, Wei, Scott H. Irwin, Darrel L. Good, and Sarah N. Dietz. "Wheat Forward Contract Pricing: Evidence on Forecast Power and Risk Premiums." *Proceedings of the 2005 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
40. Hagedorn, Lewis A., Scott H. Irwin, and Darrel L. Good. "The Marketing Performance of Illinois Corn and Soybean Producers." *Proceedings of the 2004 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
41. Park, Cheol Ho, and Scott H. Irwin. "The Profitability of Technical Trading Rules in US Futures Markets: A Data Snooping Free Test." *Proceedings of the 2004 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
42. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "Are Revisions to USDA Crop Production Forecasts Smoothed?" *Proceedings of the 2004 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
43. Shi, Wei, and Scott H. Irwin. "Hedging with Views: A Bayesian Approach." *Proceedings of the 2004 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

44. Cabrini, Silvina M., Brian G. Stark, Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Portfolios of Agricultural Market Advisory Services: How Much Diversification is Enough?" *Proceedings of the 2004 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
45. Webber, Ricky L., Scott H. Irwin, Darrel L. Good, and Joao Martines-Filho. "Evaluation of Market Advisory Service Performance in Hogs." *Proceedings of the 2003 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
46. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "USDA Interval Price Forecasts for Corn and Soybeans: A Confidence Game?" *Proceedings of the 2003 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
47. Pennings, Joost M.E., Scott H. Irwin, and Darrel L. Good. "Producers' Use of Risk Management Tools: What, When and How?" *Proceedings of the 2002 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
48. Engelkraut, Thorsten M., Philip Garcia, Scott H. Irwin, and Darrel L. Good. "An Evaluation of Crop Forecast Accuracy for Corn and Soybeans: USDA and Private Information Services." *Proceedings of the 2002 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*. P
49. Irwin, Scott H., Darrel L. Good, and Jennifer K. Gomez. "The Value of USDA Outlook Information: An Investigation Using Event Study Analysis." *Proceedings of the 2001 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
50. Zanini, Fabio C., Bruce J. Sherrick, Gary D. Schnitkey, and Scott H. Irwin. "Crop Insurance Valuation Under Alternative Yield Distributions." *Proceedings of the 2001 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
51. Pennings, Joost M.E., Scott H. Irwin, and Darrel L. Good. "Modeling Producers' Use of Market Advisory Services." *Proceedings of the 2001 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
52. Zanini, Fabio C., Bruce J. Sherrick, Gary D. Schnitkey, and Scott H. Irwin. "Crop Insurance Valuation under Alternative Yield Distributions." *Proceedings of the 2000 NC-221 Regional Committee: Financing Agriculture and Rural America: Issues and Implications*, pp. 29-63

53. Jirik, Mark A., Scott H. Irwin, Darrel L. Good, Thomas E. Jackson, and Joao Martines-Filho. "The Performance of Agricultural Market Advisory Services in Marketing Wheat." *Proceedings of the 2000 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
54. Holt, Bryce R., and Scott H. Irwin. "The Effects of Futures Trading by Large Hedge Funds and CTAs on Market Volatility." *Proceedings of the 2000 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
55. Irwin, Scott H., Thomas E. Jackson, and Darrel L. Good. "The Private Sector Approach to Grain Marketing: The Case of Agricultural Market Advisory Services." *Proceedings of the Conference on Producer Marketing and Risk Management: Frontiers for the 21st Century*, Food and Agricultural Marketing Policy Section of the American Agricultural Economics Association, January 2000.
56. Irwin, Scott H., Thomas E. Jackson, and Darrel L. Good. "Do Market Advisory Services Beat the Market?" *Proceedings of the 1999 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
57. Manfredo, Mark R., Raymond M. Leuthold, and Scott H. Irwin. "Forecasting Fed Cattle, Feeder Cattle, and Corn Cash Price Volatility: Time Series, Implied Volatility, and Composite Approaches." *Proceedings of the 1999 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
58. Canoles, W. Bruce, Sarahelen Thompson, Scott H. Irwin, and Virginia Grace France. "An Analysis of the Profiles and Motivations of Habitual Commodity Speculators." *Proceedings of the Fall Research Seminar*, Chicago Board of Trade, December 1997, pp. 39-84
59. Zulauf, Carl R., and Scott H. Irwin. "Market Efficiency and Marketing to Enhance Income of Crop Producers." *Proceedings of the 1997 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
60. Sanders, Dwight R., Scott H. Irwin, and Raymond M. Leuthold. "Noise Trader Sentiment and Futures Price Behavior: An Empirical Investigation." *Proceedings of the 1997 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
61. Irwin, Scott H., and Satoko Yoshimaru. "Managed Futures, Positive Feedback Trading, and Futures Price Volatility." *Proceedings of the 1997 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

62. Irwin, Scott H. "Commentary: Managed Futures: Distributional Characteristics, Return Seasonalities and Implications for Performance Evaluation." *Proceedings of the Fall Research Seminar*, Chicago Board of Trade, December 1996, pp. 297-305
63. Irwin, Scott H. "Commentary: Crop Yield and Price Distributional Effects on Revenue Hedging." *Proceedings of the Spring Research Seminar*, Chicago Board of Trade, May 1996, pp. 75-82
64. Zulauf, Carl, Scott H. Irwin, Jason Ropp, and Anthony Sberna. "A Reappraisal of the Forecasting Performance of New Crop Corn and Soybean Futures Prices." *Proceedings of the 1996 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
65. Sanders, Dwight R., Scott H. Irwin, and Raymond M. Leuthold. "Noise Trader Demand in Futures Markets." *Proceedings of the 1996 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
66. Martines-Filho, Joao, and Scott H. Irwin. "Pre-Harvest Hedging Behavior and Market Timing Performance of Private Market Advisory Services." *Proceedings of the 1995 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
67. Garcia, Philip, Scott H. Irwin, Raymond M. Leuthold, and Li Yang. "New Evidence on the Value of Public Information in Commodity Markets." *Proceedings of the Fall Research Seminar*, Chicago Board of Trade, 1994, pp. 1-36.
68. Brorsen, B. Wade, and Scott H. Irwin. "Research on Price Forecasting and Marketing Strategies: Improving Our Relevance." *Proceedings of the 1994 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
69. Irwin Scott H. "Theoretical Underpinnings of Publicly Funded Situation and Outlook Programs." *Proceedings of the Symposium on Re-Engineering Marketing Policies for Food and Agriculture*. 1994, pp. 201-211.
70. Colling Phil L, Scott H. Irwin, and Carl R. Zulauf. "Futures Price Responses to the USDA Cold Storage Report." *Proceedings of the 1994 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.
71. Blue, E. Neal, Joao Martines-Filho, Mario Miranda, and Scott H. Irwin. "Pre-Harvest Dynamic Hedging: An Analysis of Transaction Costs and Contract Lumpiness for Soybean Farmers." *Proceedings of the 1994 NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*.

72. Irwin, Scott H., and Cameron R. Thraen. "Expectations in Agricultural Sectors: A Review of the Concept and Its Use in Applied Research." *The Nordic Research Program for Risk Management in Agriculture: Preliminary Report*, Eric Romstad, editor, 1993, pp. 85-126.
73. Leads, Rob, Carl Zulauf, Scott Irwin, Thomas Jackson, and William Distad. "Mean Reversion in the Corn and Hog Bases." *Proceedings of the 1993 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
74. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "The Response of Wheat, Corn, and Soybean Futures Prices to the USDA *Export Inspection Report*." *Proceedings of the 1992 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
75. Irwin, Scott H., Mary E. Gerlow, and Te-Ru Liu. "Are Outlook Price Forecasts Rational?" *Proceedings of the 1992 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
76. Irwin, Scott H., Carl R. Zulauf, and Robert A. Pelly. "A Market Timing Test of Pricing Models for Agricultural Options." *Proceedings of the 1991 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
77. Ward, Barry W., Scott H. Irwin, and Carl R. Zulauf. "The Predictability of Commodity Trading Advisor Returns." *Proceedings of the 1991 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
78. Jackson, Thomas E., Carl R. Zulauf, and Scott H. Irwin. "Mean Reversion in Agricultural Futures Prices." *Proceedings of the 1991 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
79. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "Further Evidence on the Reaction of Livestock Futures Prices to *USDA Hogs and Pigs Reports*." *Proceedings of the 1991 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
80. Johnson, Robert L., Carl R. Zulauf, Scott H. Irwin, and Mary E. Gerlow. "The Soybean Complex Spread: An Examination of Market Efficiency from the Viewpoint of a Production Process." *Proceedings of the 1990 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.

81. Colling, Phil L., and Scott H. Irwin. "The Rationality of Hogs and Pigs Inventory Expectations." *Proceedings of the 1990 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
82. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "Option Based Assessments of Expected Price Distributions." *Proceedings of the 1990 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
83. Colling, Phil L., and Scott H. Irwin. "On the Reaction of Live Hog Futures Prices to Informational Components in Quarterly USDA Hogs and Pigs Reports." *Proceedings of the 1989 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
84. Irwin, Scott H., and Mary E. Gerlow. "On the Value of Outlook Economists' Price Forecasts." *Proceedings of the 1989 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
85. Tinker, Jonathan N., Scott H. Irwin, Carl R. Zulauf, and Mary E. Gerlow. "Soybean Complex Price Forecasting Models: An Economic Evaluation." *Proceedings of the 1989 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
86. Irwin, Scott H., Anne E. Peck, Otto C. Doering III, and B. Wade Brorsen. "A Simulation Analysis of Commodity Options as a Policy Alternative." In *Options, Futures, and Agricultural Commodity Programs: Symposium Proceedings*. Bruce H. Wright, ed., Economic Research Service, U.S. Department of Agriculture, Staff Report No. AGES870911, 1988, pp. 60-71.
87. Ahmed, Hassan, E. Dean Baldwin, and Scott H. Irwin. "Hedging Effectiveness in a Vertical Marketing Channel." *Proceedings of the 1988 NCR-134 Applied Commodity Price-Analysis, Forecasting, and Market Risk Management Conference*.
88. Irwin, Scott H., and B. Wade Brorsen. "Factors Affecting Technical Trading System Profits." *Proceedings of the 1985 NCR-134 Applied Commodity Price Analysis, Forecasting, and Market Risk Management Conference*.
89. Irwin, Scott H., and J. William Uhrig. "Technical Analysis. . . A Search for the Holy Grail?" *Proceedings of the 1984 NCR-134 Conference on Applied Commodity Price Analysis and Forecasting Conference*.
90. Boynton, Robert D., Vicki McCracken, and Scott Irwin. "Food Advertising as a Source of Consumer Information: A Cost Study of Newspaper Advertising and Its Relationship to

Public Price Reports.” *Advertising and the Food System*. North Central Regional Research Project 117, Monograph 14, September, 1983, pp. 371-384.

SELECTED PAPERS AND POSTERS²

1. Karali, Berna, Scott H. Irwin, and Olga Isengildina-Massa. “Supply Fundamentals and Grain Futures Markets.” Selected paper presented at the 3rd Annual J.P. Morgan Center for Commodities International Commodities Symposium, University of Colorado-Denver, Denver, Colorado, August 12-13, 2019.
2. Isengildina-Massa, Olga, Berna Karali, and Scott H. Irwin. “Can Private Forecasters Beat USDA? Analysis of Relative Accuracy of Crop Acreage and Production Forecasts.” Invited paper presented at the Annual Meeting of the Agricultural and Applied Economics Association, Atlanta, GA, July 21-23, 2019.
3. 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.
4. 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.
5. 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.
6. 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.

² Prior to 2000, abstracts of selected papers presented at the Annual Meeting of the American Agricultural Economics Association (now Agricultural and Applied 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/>.

7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
 26. 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.
 27. 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.
 28. 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
 29. 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.
 30. 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.
 31. 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.
 32. Isengildina, Olga, Scott H. Irwin, and Darrel L. Good. "The Value of USDA Outlook Information in Hog and Cattle Markets." Selected paper presented at the Market Analysis for Livestock Research Workshop, Economic Research Service, U.S. Department of Agriculture, January 12, 2005.

33. 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.
34. Shi, Wei, Scott H. Irwin, and Darrel L. Good. "The Cost of Forward Contracting." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Denver, Colorado, August 1-4, 2004.
35. 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.
36. 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.
37. Irwin, Scott H., Darrel L. Good, and Joao Martines-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.
38. 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.
39. 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.
40. Schnitkey, Gary D., Bruce J. Sherrick, and Scott H. Irwin. "Evaluation of Risk Reductions Associated with Multi-Peril Crop Insurance Products." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Long Beach, California, July 28-31, 2002.
41. Zanini, Fabio C., Scott H. Irwin, Gary D. Schnitkey, and Bruce J. Sherrick. "Estimating Farm-Level Yield Distributions for Corn and Soybeans in Illinois." Selected paper presented at the Annual Meeting of the American Agricultural Economics Association, Tampa, Florida, July 30-August 2, 2000.

42. 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.
43. Zulauf, Carl R., Scott H. Irwin, Jason E. Ropp, and Anthony J. Sberna. "A Reappraisal of the Forecasting Performance of New Crop Corn and Soybean Futures Prices." *American Journal of Agricultural Economics* 79(1997):1716.
44. Irwin, Scott H. "Public Situation and Outlook Programs: To Be or Not to Be?" *American Journal of Agricultural Economics* 78(1996):1412.
45. 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.
46. Colling, Phil L, Scott H. Irwin, and Carl R. Zulauf. "The Reaction of Wheat, Corn, and Soybean Futures Prices to the USDA Export Inspection Report." *American Journal of Agricultural Economics* 77(1995):1362.
47. Colling, Phil L, Scott H. Irwin, and Carl R. Zulauf. "Futures Prices and Cold Storage Inventories." *American Journal of Agricultural Economics* 76(1994):1271.
48. Martines-Filho, Joao, and Scott H. Irwin. "The Value of Private Information: An Investigation of Market Advisory Pre-Harvest Hedging Recommendations." *American Journal of Agricultural Economics* 76(1994):1271.
49. Jackson, Thomas E., Carl R. Zulauf, and Scott H. Irwin. "Mean Reversion in Commodity Futures Prices." *American Journal of Agricultural Economics* 74(1992):1277.
50. 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.
51. 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.
52. Irwin, Scott H., Mary E. Gerlow, and Te-Ru Liu. "Are Outlook Price Forecasts Rational?" *American Journal of Agricultural Economics* 74(1992):1287.

53. Liu, Te-Ru, Mary E. Gerlow, and Scott H. Irwin. "The Performance of Bayesian VAR Models in Forecasting Exchange Rates." *American Journal of Agricultural Economics* 74(1992):1293.
54. Irwin, Scott H., Mary E. Gerlow, and Te-Ru Liu. "The Market Timing Value of Outlook Price Forecasts." *American Journal of Agricultural Economics* 73(1991):1548.
55. Colling, Phil L., Scott H. Irwin, and Carl R. Zulauf. "USDA Hogs and Pigs Reports and Live-stock Futures Price Movements." *American Journal of Agricultural Economics* 73(1991):1549.
56. Pelly, Robert A., Scott H. Irwin, and Carl R. Zulauf. "An Investigation of Pricing Models for Live Cattle Futures Options." *American Journal of Agricultural Economics* 73(1991):1532.
57. Liu, Te-Ru, Mary E. Gerlow, and Scott H. Irwin. "The Statistical and Market Timing Performance of Bayesian VAR Models in Forecasting Exchange Rates." Selected paper presented at the International Symposium on Forecasting, New York, New York, June 11, 1991.
58. Gerlow, Mary E., Scott H. Irwin, Carl R. Zulauf, and Jonathan N. Tinker. "A Performance Comparison of a Technical Trading System with ARIMA and VAR Models for Soybean Complex Prices." Selected paper presented at the International Symposium on Forecasting, New York, New York, June 10, 1991.
59. Irwin, Scott H., Mary E. Gerlow, and Te-Ru Liu. "The Market Timing Value of Outlook Price Forecasts." Selected paper presented at the International Symposium on Forecasting, New York, New York, June 10, 1991.
60. Sherrick, Bruce J., Scott H. Irwin, and D. Lynn Forster. "Option-Based Evidence of the Non-Stationarity of Expected S&P 500 Futures Price Distributions." Selected paper presented at the Annual Meeting of the Eastern Finance Association, Hot Springs, Virginia, April 5, 1991.
61. Irwin, Scott H., Terry R. Krukemyer, and Carl R. Zulauf. "Investment Performance of Public Commodity Pools: 1979 to 1989." Selected paper presented at the Annual Meeting of the Eastern Finance Association, Hot Springs, Virginia, April 4, 1991.
62. Leeds, Robert, Carl Zulauf, and Scott Irwin. "Returns to Hedged and Unhedged Storage of Corn in Ohio from 1964 through 1989." Selected paper presented at the Farm Income Enhancement Conference, Columbus, Ohio, February 26, 1991.
63. 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.

64. 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.
65. 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.
66. 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.
67. 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.
68. 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.
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. Gerlow, Mary E., and Scott H. Irwin. "Economic Evaluation of Commodity Price Forecasts." *American Journal of Agricultural Economics* 70(1988):1195.

75. 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 Economics* 69(1987):1086.
76. 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.
77. Colling, Phil L., and Scott H. Irwin, "Has the Farm Sector Asset Market Been Too Volatile?" *American Journal of Agricultural Economics* 69(1987):1092.
78. 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.
79. 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.
80. 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.
81. 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.
82. Irwin, Scott H., and B. Wade Brorsen. "Technical Trading System Profits: Fact or Fiction?" *American Journal of Agricultural Economics* 67(1985):1280.
83. 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 LECTURES AND PRESENTATIONS³

1. "SREs and Biofuels Demand Destruction." Organized Symposium on Outlook for U.S. Biofuels Policy - Impacts to the US. Crop Sector, Annual Meeting of the Agricultural and Applied Economics Association, Atlanta, GA, July 21-23, 2019.

³ All presentations by Scott H. Irwin except where joint presentation indicated.

2. "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.
3. "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.
4. "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.
5. "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.
6. "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.
7. "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.
8. "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.
9. "Futures Market Regulation" Agricultural Policy Workshop, American Enterprise Institute, Washington, D.C., March 17-18, 2017.
10. "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.
11. "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.

12. "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.
13. "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.
14. "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.
15. "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.
16. "Futures Markets and Speculation: Lessons from the Past for Today." Chancellor's Lecture-University of Illinois, Chicago, Illinois, October 18, 2012.
17. "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 Iguaçu, Brazil, August 18-24, 2012.
18. "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.
19. "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.
20. "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.
21. "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.

22. "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.
23. "How Agricultural Economics Saved Futures Markets: An Untold Story of Leadership." William K. Deal Leadership Lecture, Iowa State University, October 25, 2011.
24. "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.
25. "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.
26. "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.
27. "Speculation and Food Price Volatility." Annual Colloquium of the Executive Directors of the World Bank, Washington, D.C., May 13, 2011.
28. "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.
29. "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.
30. "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).
31. "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

32. "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.
33. "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.
34. "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.
35. "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.
36. "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.
37. "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.
38. "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.
39. "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.
40. "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)

41. "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.
42. "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.
43. "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)
44. "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.
45. "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.
46. "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)
47. "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)
48. "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.
49. "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.

50. "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)
51. 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.
52. "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)
53. "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.
54. "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.
55. "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.
56. "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.
57. "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 PRESENTATIONS⁴

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

⁴ 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 SEMINARS⁵

1. "*farmdoc* at 20: Lessons Learned." College of Agricultural, Consumer, and Environmental Sciences, University of Illinois at Urbana-Champaign, Urbana, Illinois, September 12, 2019.
2. "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.
3. "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.
4. "RINs and the RFS." Center for Advanced Bioenergy Research (CABER) Seminar, University of Illinois at Urbana-Champaign, February 23, 2015.
5. "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.

⁵ All seminars presented by Scott H. Irwin except where joint presentation indicated.

6. "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.
7. "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.
8. "Biofuel Policies and their Implications for the Grain and Oilseed Markets." Department of Economics, University of Sao Paulo, Sao Paulo, Brazil, November 27, 2012.
9. "Bubbles, Food Prices, and Speculation: Evidence from the CFTC's Daily Large Trader Data Files." Department of Economics, Iowa State University, November 6, 2012.
10. "Futures Market Failure?" Department of Agricultural Economics, Purdue University, February 7, 2012.
11. "Testing the Masters Hypothesis in Commodity Futures Markets." International Economic Analysis Division, Bank of England, December 1, 2011.
12. "Testing the Masters Hypothesis in Commodity Futures Markets." Department of Economics, Iowa State University, October 24, 2011.
13. "Futures Market Failure?" Economic Research Service, U.S. Department of Agriculture, September 13, 2011.
14. "Futures Market Failure?" Directorate for Trade and Agriculture, Organization for Economic Cooperation and Development, Paris, France, July 8, 2011.
15. "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.
16. "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.
17. "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.

18. "Devil or Angel? The Role of Speculation in the Recent Commodity Price Boom." Economic Research Service, U.S. Department of Agriculture, December 11, 2008.
19. "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.
20. "300 Bushels in Every Field: The Rising Debate about Corn Trend Yields." Economic Research Service, U.S. Department of Agriculture, June 12, 2008
21. "The Pricing Performance of Market Advisory Services in Wheat over 1995-2004." Department of Agricultural Economics, Oklahoma State University, October 19, 2007.
22. "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.
23. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Department of Agricultural Economics, Kansas State University, November 3, 2005.
24. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Department of Agricultural and Resource Economics, North Carolina State University, April 26, 2005.
25. "The Pricing Performance of Market Advisory Services in Corn and Soybeans." Morrison School of Agribusiness, Arizona State University, March 23, 2005.
26. "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.
27. "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.
28. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Economics, Iowa State University, April 11, 2002.
29. "The Pricing Performance of Market Advisory Services in Corn and Soybeans Over 1995-2000." Department of Agricultural Economics, Purdue University, March 28, 2002.
30. "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)

31. "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.
32. "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.
33. "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.
34. "The AgMAS Project: Evaluation of Agricultural Market Advisory Services." Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, December 12, 1997.
35. "New Evidence on the Value of Public Information in Commodity Markets." Department of Agricultural Economics, The Ohio State University, Columbus, Ohio, October 6, 1994.
36. "Mean Reversion in Agricultural Futures Prices?" Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, January 27, 1994.
37. "Mean Reversion in Agricultural Futures Prices?" Department of Agricultural Economics, University of Illinois at Urbana-Champaign, Urbana, Illinois, December 3, 1993.
38. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Economics, Iowa State University, Ames, Iowa, May 13, 1992.
39. "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.
40. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Finance, The Ohio State University, Columbus, Ohio, April 28, 1991.
41. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, April 3, 1991.
42. "Investment Performance of Public Commodity Pools: 1979 to 1989." Department of Finance, Georgetown University, Washington, DC, February 22, 1991.

43. "Can Agricultural Economists Accurately Predict Livestock Prices?" Economic Research Service, U.S. Department of Agriculture, Washington, DC, February 22, 1991.
44. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, January 29, 1991.
45. "Can Agricultural Economists Accurately Predict Livestock Prices?" Department of Agricultural Economics and Rural Sociology, The Ohio State University, Columbus, Ohio, October 23, 1990.
46. "Investment Performance of Public Commodity Pools: 1979 to 1989." Division of Market Analysis, Commodity Futures Trading Commission, Washington, DC, December 20, 1989.
47. "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)
48. "The Structure and Performance of the Public Futures Fund Industry." Research Department, Chicago Mercantile Exchange, Chicago, Illinois, July 21, 1987.
49. "A Simulation Analysis of Commodity Options as a Policy Alternative." Department of Agricultural Economics, Purdue University, West Lafayette, Indiana, May 12, 1987.
50. "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.
51. "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. "[Using Preliminary August FSA Data to Project Final 2021 Planted Acreage for Corn and Soybeans.](#) *farmdoc daily* (11):128, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 2, 2021.
2. Irwin, S. "[Where Did All the Crop Acres Go?.](#)" *farmdoc daily* (11):95, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 21, 2021.

3. Irwin, S. "[Estimating Total Crop Acres in the U.S.](#)" *farmdoc daily* (11):91, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 10, 2021.
4. Irwin, S. "[Anticipating USDA Planted Acreage Revisions for Corn and Soybeans in 2021.](#)" *farmdoc daily* (11):81, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 19, 2021.
5. Irwin, S. "[The Relationship of USDA Planted Acreage Revisions for Corn and Soybeans to Prevented Plant Acreage.](#)" *farmdoc daily* (11):69, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 28, 2021.
6. Irwin, S. "[The Relationship of USDA Planted Acreage Revisions for Corn and Soybeans to Changes in Price and Planting Progress.](#)" *farmdoc daily* (11):65, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 21, 2021.
7. Irwin, S. "[USDA Planted Acreage Revisions for Corn, Soybeans, and Principal Crops.](#)" *farmdoc daily* (11):60, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 14, 2021.
8. Irwin, S. "[Just How Surprising Was the Prospective Plantings Report for Corn and Soybeans?.](#)" *farmdoc daily* (11):55, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 7, 2021.
9. Irwin, S. "[Basic Facts about Food Price Inflation in the U.S.](#)" *farmdoc daily* (11):45, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 24, 2021.
10. Irwin, S. "[farmdoc daily Turns 10 Today.](#)" *farmdoc daily* (11):40, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 17, 2021.
11. Irwin, S. "[Was the Final USDA Estimate of the 2020 U.S. Corn Yield an Outlier?.](#)" *farmdoc daily* (11):30, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 3, 2021.
12. Irwin, S. "[What Is Up with USDA Revisions to Quarterly Stock Estimates for Corn?.](#)" *farmdoc daily* (11):21, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 10, 2021.

13. Irwin, S. "[Biodiesel Production Profits in 2020: A Real Rollercoaster Ride.](#)" *farmdoc daily* (11):17, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 3, 2021.
14. Irwin, S. "[Ethanol Production Profits in 2020: A Year Like No Other.](#)" *farmdoc daily* (11):13, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 27, 2021.
15. Irwin, S. "[Recent Trends in the Operational Efficiency of the U.S. Ethanol Industry.](#)" *farmdoc daily* (11):9, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 20, 2021.
16. Irwin, S. "[The Impact of Preseason La Niña Episodes on Corn and Soybean Yields in Brazil and Argentina.](#)" *farmdoc daily* (10):213, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 17, 2020.
17. Irwin, S. "[Revisiting South American Corn and Soybean Yield Trends and Risks.](#)" *farmdoc daily* (10):212, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 16, 2020.
18. Irwin, S. and T. Hubbs. "[Using Preliminary FSA Data to Project Final Planted Acreage for Corn and Soybeans.](#)" *farmdoc daily* (10):156, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 27, 2020.
19. Irwin, S. and T. Hubbs. "[Using Preliminary FSA Data to Project Final Prevented Plant Acreage for Corn, Soybeans, and All Crops.](#)" *farmdoc daily* (10):153, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 20, 2020.
20. Irwin, S. "[Ethanol Production Profits during the COVID Pandemic.](#)" *farmdoc daily* (10):148, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 13, 2020.
21. Irwin, S. and T. Hubbs. "[The Accuracy of Early Season Crop Weather Model Forecasts of the U.S. Average Soybean Yield.](#)" *farmdoc daily* (10):136, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 23, 2020.
22. Irwin, S. and T. Hubbs. "[The Accuracy of Early Season Crop Weather Model Forecasts of the U.S. Average Corn Yield.](#)" *farmdoc daily* (10):131, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 16, 2020.

23. Irwin, S. and T. Hubbs. "[Understanding the WAOB Crop Weather Model for Soybeans.](#)" *farmdoc daily* (10):126, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 9, 2020.
24. Irwin, S. and T. Hubbs. "[Understanding the WAOB Crop Weather Model for Corn.](#)" *farmdoc daily* (10):121, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 2, 2020.
25. Irwin, S. and T. Hubbs. "[Unconditional vs. Conditional Trend Estimates for U.S. Corn and Soybeans.](#)" *farmdoc daily* (10):116, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 25, 2020.
26. Irwin, S. and T. Hubbs. "[How Sensitive Are Trend Yield Projections for U.S. Soybeans to the Starting Year of the Estimation Period?](#)" *farmdoc daily* (10):111, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 18, 2020.
27. Irwin, S. and T. Hubbs. "[How Sensitive Are Trend Yield Projections for U.S. Corn to the Starting Year of the Estimation Period?](#)" *farmdoc daily* (10):107, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 11, 2020.
28. Hubbs, T. and S. Irwin. "[The Impact of Late Planting on U.S. Average Soybean Yield.](#)" *farmdoc daily* (10):93, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 20, 2020.
29. Hubbs, T. and S. Irwin. "[The Impact of Late Planting on U.S. Average Corn Yield.](#)" *farmdoc daily* (10):88, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 13, 2020.
30. Irwin, S. and T. Hubbs. "[A Simple Method of Forecasting Weekly U.S. Corn Planting Progress.](#)" *farmdoc daily* (10):79, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 29, 2020.
31. Irwin, S. and T. Hubbs. "[Further Evidence on the Time It Takes to Plant the U.S. Corn Crop.](#)" *farmdoc daily* (10):75, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 23, 2020.
32. Irwin, S. and T. Hubbs. "[An Update on How Many Days It Takes to Plant the U.S. Corn Crop.](#)" *farmdoc daily* (10):71, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 16, 2020.

33. Irwin, S. "[The Competitiveness of Ethanol in E10 Gasoline Blends during the Coronavirus Crisis.](#)" *farmdoc daily* (10):65, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 8, 2020.
34. Irwin, S. and T. Hubbs. "[The Coronavirus and Ethanol Demand Destruction.](#)" *farmdoc daily* (10):56, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 26, 2020.
35. Coppess, J. and S. Irwin. "[EPA and the Small Refinery Exemption Issue in the Renewable Fuel Standard Mandates.](#)" *farmdoc daily* (10):46, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 12, 2020.
36. Irwin, S. "[Biodiesel Production Profits in 2019.](#)" *farmdoc daily* (10):21, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 5, 2020.
37. Irwin, S. "[2019 Ethanol Production Profits: Just How Bad Was It?.](#)" *farmdoc daily* (10):16, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 29, 2020.
38. Irwin, S. "[A Simple Proposal to Re-Level the Playing Field after the Release of USDA Crop Reports.](#)" *farmdoc daily* (10):12, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 23, 2020.
39. Irwin, S. "[Did That Really Just Happen? USDA Revisions to the 2018/19 Corn Balance Sheet.](#)" *farmdoc daily* (10):7, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 15, 2020.
40. Irwin, Scott. "[Clearing the Logjam on the RFS and SREs: A Simple Proposal.](#)" *farmdoc daily* (9):175, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 19, 2019.
41. Irwin, Scott and Darrel Good. "[Biofuels Markets and Policy: 20th Anniversary of the farmdoc Project.](#)" *farmdoc daily* (9):168, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 10, 2019.
42. Irwin, Scott. "[farmdoc at 20: How Did We Get Here and What Have We Learned?.](#)" *farmdoc daily* (9):163, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 3, 2019.

43. Irwin, Scott and Todd Hubbs. "[Another Look at Late Planting of the 2019 Soybean Crop.](#)" *farmdoc daily* (9):118, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 26, 2019.
44. Irwin, Scott and Todd Hubbs. "[Another Look at Late Planting of the 2019 Corn Crop.](#)" *farmdoc daily* (9):108, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 12, 2019.
45. Irwin, Scott and Todd Hubbs. "[Late Planting and Projections of the 2019 U.S. Soybean Yield.](#)" *farmdoc daily* (9):104, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 6, 2019.
46. Hubbs, Todd and Scott Irwin. "[The Implications of Late Planting for the 2019/20 Corn Balance Sheet.](#)" *farmdoc daily* (9):95, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 23, 2019.
47. Irwin, Scott and Todd Hubbs. "[Late Planting and Projections of 2019 U.S. Corn and Soybean Acreage.](#)" *farmdoc daily* (9):85, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 9, 2019.
48. Irwin, Scott and Todd Hubbs. "[Late Planting and Projections of the 2019 U.S. Corn Yield.](#)" *farmdoc daily* (9):79, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 1, 2019.
49. Irwin, Scott and Todd Hubbs. "[Prospects for Timely Planting of the 2019 Corn Crop.](#)" *farmdoc daily* (9):74, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 24, 2019.
50. Irwin, Scott and Todd Hubbs. "[Here We Go Again: How Many Days Does It Take to Plant the U.S. Corn Crop?](#)" *farmdoc daily* (9):69, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 17, 2019.
51. Irwin, Scott. "[Implications of Recent Trends in U.S. Gasoline Consumption for Ethanol.](#)" *farmdoc daily* (9):66, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 12, 2019.
52. Irwin, Scott. "[Revisiting the Value of Ethanol in E10 Gasoline Blends.](#)" *farmdoc daily* (9):60, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 4, 2019.

53. Irwin, Scott. "[Biodiesel Production Profitability in 2018: Did Headwinds or Tailwinds Dominate?](#)" *farmdoc daily* (9):54, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 27, 2019.
54. Irwin, Scott. "[Small Refinery Exemptions and Biomass-Based Diesel Demand Destruction.](#)" *farmdoc daily* (9):45, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 14, 2019.
55. Irwin, Scott. "[How Tough of a Year was 2018 for Ethanol Production Profits?](#)" *farmdoc daily* (9):26, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 13, 2019.
56. Irwin, Scott. "[Why are Ethanol Prices So Low?](#)" *farmdoc daily* (9):23, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 8, 2019.
57. Irwin, Scott. "[Understanding the Price of E85 Relative to E10.](#)" *farmdoc daily* (9):17, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 31, 2019.
58. Irwin, Scott. "[What's Behind Rising E85 Use?](#)" *farmdoc daily* (9):13, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 24, 2019.
59. Irwin, Scott. "[Small Refinery Exemptions and E85 Demand Destruction.](#)" *farmdoc daily* (9):8, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 16, 2019.
60. Irwin, Scott. "[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.
61. Irwin, Scott. "[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.
62. Coppess, J. and Scott 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.

63. Irwin, Scott and Todd 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.
64. Irwin, Scott and Todd 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.
65. Irwin, Scott and Todd 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.
66. Irwin, Scott and Todd 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.
67. Irwin, Scott and Todd 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.
68. Irwin, Scott and Todd 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.
69. Irwin, Scott and Todd 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.
70. Irwin, Scott. "[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.
71. Irwin, Scott. "[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.
72. Coppess, J. and Scott 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.

73. Irwin, Scott. "[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.
74. Irwin, Scott. "[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.
75. Irwin, Scott. "[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.
76. 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.
77. 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.
78. Irwin, Scott. "[Should We Be Surprised about the U.S. Average Yield of Corn and Soybeans in 2017?](#)" *farmdoc daily* (7):201, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 1, 2017.
79. Coppess, Jonathan, and Scott Irwin. "[The Biodiesel Waiver Provision in the RFS.](#)" *farmdoc daily* (7):192, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 19, 2017.
80. Coppess, Jonathan, and Scott Irwin. "[The Other General Waiver: RFS and Severe Economic Harm.](#)" *farmdoc daily* (7):187, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 12, 2017.
81. Irwin, Scott. "[The Value of Soybean Oil in the Soybean Crush: Further Evidence on the Impact of the U.S. Biodiesel Boom.](#)" *farmdoc daily* (7):169, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 14, 2017.
82. Irwin, Scott and Darrel Good. "[The Relationship between Biodiesel and Soybean Oil Prices.](#)" *farmdoc daily* (7):164, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 7, 2017.

83. Irwin, Scott and Darrel Good. "[Projecting Biodiesel RINs Prices under Different Policies.](#)" *farmdoc daily* (7):159, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 30, 2017.
84. Irwin, Scott and Darrel Good. "[How to Think About Biodiesel RINs Prices under Different Policies.](#)" *farmdoc daily* (7):154, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 23, 2017.
85. Irwin, Scott and Darrel Good. "[Biomass-Based Biodiesel Prices--How Much Does Policy Matter?](#)" *farmdoc daily* (7):149, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 16, 2017.
86. Irwin, Scott and Darrel Good. "[EPA Interpretation of the "Inadequate Domestic Supply" Waiver for Renewable Fuels Ruled Invalid: Where to from Here?](#)" *farmdoc daily* (7):144, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 9, 2017.
87. Irwin, Scott and Darrel Good. "[Revisiting the Estimation of Biomass-Based Diesel Supply Curves.](#)" *farmdoc daily* (7):135, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 26, 2017.
88. Irwin, Scott and Darrel Good. "[Filling the Gaps in the Renewable Fuels Standard with Biodiesel.](#)" *farmdoc daily* (7):130, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 19, 2017.
89. Irwin, Scott and Darrel Good. "[The EPA's Renewable Fuel Standard Rulemaking for 2018--Still a Push.](#)" *farmdoc daily* (7):125, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 12, 2017.
90. Irwin, Scott. "[What's Up with Ethanol Production Profits?](#)" *farmdoc daily* (7):118, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 29, 2017.
91. Irwin, Scott. "[What's Up with Rising Biodiesel Production Profits?](#)" *farmdoc daily* (7):115, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 22, 2017.
92. Irwin, Scott, Darrel Good, and Todd Hubbs. "[The Role of Weather in the Pattern of Corn Prices over Time.](#)" *farmdoc daily* (7):110, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 14, 2017.

93. Good, Darrel, Todd Hubbs, and Scott Irwin. "[Are There Predictable Crop Price Cycles?](#)" *farmdoc daily* (7):105, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 7, 2017.
94. Irwin, Scott, and Darrel Good. "[How Should We Use Within-Season Crop Condition Ratings for Corn and Soybeans?](#)" *farmdoc daily* (7):101, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 1, 2017.
95. Irwin, Scott, and Darrel Good. "[When Should We Start Paying Attention to Crop Condition Ratings for Corn and Soybeans?](#)" *farmdoc daily* (7):96, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 24, 2017.
96. Irwin, Scott, Todd Hubbs, and Darrel Good. "[What's Driving the Non-Linear Trend in U.S. Average Soybean Yields?](#)" *farmdoc daily* (7):86, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 10, 2017.
97. Irwin, Scott, Todd Hubbs, and Darrel Good. "[U.S. Soybean Yield Trends for Irrigated and Non-Irrigated Production.](#)" *farmdoc daily* (7):81, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 3, 2017.
98. Hubbs, Todd, Scott Irwin, and Darrel Good. "[Will the Shift in Soybean Acreage Impact National Yield in 2017? A State-Level Trend Analysis.](#)" *farmdoc daily* (7):72, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 19, 2017.
99. Irwin, Scott. "[Blender and Producer Sharing of Retroactively Reinstated Biodiesel Tax Credits: Time for a Change?](#)" *farmdoc daily* (7):62, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 5, 2017.
100. Irwin, Scott. "[An Alternative View of Biodiesel Production Profits: The Role of Retroactively Reinstated Blender Tax Credits.](#)" *farmdoc daily* (7):57, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 29, 2017.
101. Irwin, Scott, and Darrel Good. "[On the Value of Ethanol in the Gasoline Blend.](#)" *farmdoc daily* (7):48, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 15, 2017.
102. Irwin, Scott. "[The Profitability of Biodiesel Production in 2016.](#)" *farmdoc daily* (7):38, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 1, 2017.

103. Hubbs, Todd, Scott Irwin, and Darrel Good. "[Forming Expectations for the 2017 Brazil and Argentina Corn and Soybean Yields: The Impact of La Niña.](#)" *farmdoc daily* (7):33, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 22, 2017.
104. Irwin, Scott. "[The Profitability of Ethanol Production in 2016.](#)" *farmdoc daily* (7):18, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 1, 2017.
105. Hubbs, Todd, Scott Irwin, and Darrel Good. "[Assessing Argentina Soybean Yield Risks: Historical Deviations from Trend.](#)" *farmdoc daily* (7):14, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 26, 2017.
106. Hubbs, Todd, Scott Irwin, and Darrel Good. "[Assessing Brazilian Soybean Yield Risks: Historical Deviations from Trend.](#)" *farmdoc daily* (7):5, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 12, 2017.
107. 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.
108. 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.
109. 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.
110. 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.
111. 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.

112. 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.
113. 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.
114. 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.
115. 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.
116. 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.
117. 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.
118. 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.
119. 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.
120. 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.
121. 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.

122. 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.
123. 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.
124. 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.
125. 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.
126. 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.
127. 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.
128. 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.
129. 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.
130. 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.
131. 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.

132. 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.
133. 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.
134. 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.
135. 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.
136. 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.
137. 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.
138. 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.
139. Irwin, Scott. and Darrel Good. "[The Competitive Position of Ethanol as an Octane Enhancer.](#)" *farmdoc daily* (6):22, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 3, 2016.
140. Schnitkey, Gary, Bruce Sherrick, and Scott Irwin. "[Release of iFarm Premium Calculator and iFarm Payment Evaluator.](#)" *farmdoc daily* (6):21, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 2, 2016.
141. Good, Darrel, and Scott Irwin. "[Using FSA Acreage Data to Project NASS January Planted Acreage Estimates for Corn and Soybeans.](#)" *farmdoc daily* (6):17, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 27, 2016.

142. Good, Darrel, and Scott Irwin. "[The Crop Acreage Puzzle Revisited--With Implications for 2016.](#)" *farmdoc daily* (6):13, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 21, 2016.
143. Irwin, Scott, and Darrel Good. "[The New Upside-Down Relationship of Ethanol and Gasoline Prices.](#)" *farmdoc daily* (6):8, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 13, 2016.
144. Irwin, Scott. "[The Profitability of Ethanol Production in 2015.](#)" *farmdoc daily* (6):3, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 6, 2016.
145. Irwin, Scott, and Darrel Good. "[RINs Gone Wild? \(round 2\).](#)" *farmdoc daily* (5):224, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 4, 2015.
146. Irwin, Scott. "[The Real Price of Natural Gas.](#)" *farmdoc daily* (5):212, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 13, 2015.
147. Good, Darrel, and Scott Irwin. "[Progression of USDA Corn and Soybean Acreage Estimates and Prospects for Final Estimates for 2015.](#)" *farmdoc daily* (5):191, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 15, 2015.
148. Irwin, Scott. "[Why are Gasoline and Diesel Prices So High? \(Relative to Crude Oil Prices\).](#)" *farmdoc daily* (5):186, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 8, 2015.
149. Irwin, Scott. "[Where Are Diesel Prices Headed?](#)" *farmdoc daily* (5):180, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 30, 2015.
150. Irwin, Scott, and Darrel Good. "[Why Isn't the Price of Ethanol RINs Plummeting?](#)" *farmdoc daily* (5):175, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 23, 2015.
151. Irwin, Scott. "[Why is the Price of Biodiesel RINs Plummeting?](#)" *farmdoc daily* (5):166, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 10, 2015.

152. Irwin, Scott. "[Where Are Gasoline Prices Headed?](#)" *farmdoc daily* (5):158, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 28, 2015.
153. Schnitkey, Gary, Brenna Ellison, Nick Paulson, Scott Irwin, and Jonathan Coppess. "[2014 Farm Bill Commodity Program Survey.](#)" *farmdoc daily* (5):156, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 26, 2015.
154. Irwin, Scott. "[The Real Price of Crude Oil and Gasoline.](#)" *farmdoc daily* (5):151, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 19, 2015.
155. Good, Darrel, and Scott Irwin. "[Reaction to USDA Corn and Soybean Production, Consumption, and Price Projections.](#)" *farmdoc daily* (5):146, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 12, 2015.
156. Good, Darrel, and Scott Irwin. "[Weekly Outlook: A Review of USDA Crop Yield Forecasting Methodology.](#)" *farmdoc daily* (5):144, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 10, 2015.
157. Irwin, Scott. "[Implications of Changing the Biodiesel Tax Credit from a Blender to a Producer Credit.](#)" *farmdoc daily* (5):142, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 5, 2015.
158. Irwin, Scott. "[Mid-Year Update on the Competitiveness of Ethanol in Gasoline Blends.](#)" *farmdoc daily* (5):135, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 24, 2015.
159. Irwin, Scott. "[Why Do Blenders Share Retroactively Reinstated Tax Credits with Biodiesel Producers?](#)" *farmdoc daily* (5):133, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 22, 2015.
160. Irwin, Scott, and Darrel Good. "[Large Seed and Residual Use of Soybeans and Prospects for Year-Ending Stocks.](#)" *farmdoc daily* (5):128, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 15, 2015.
161. Irwin, Scott. "[Mid-Year Update on Biodiesel Production Profits.](#)" *farmdoc daily* (5):121, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 1, 2015.

162. Irwin, Scott. "[Mid-Year Update on Ethanol Production Profits.](#)" *farmdoc daily* (5):117, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 24, 2015.
163. Irwin, Scott, and Darrel Good. "[Implementing the RFS with a 'Push' Strategy: What Happens after 2016?](#)" *farmdoc daily* (5):112, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 17, 2015.
164. Irwin, Scott. and Darrel Good. "[Does it Matter Whether the EPA Targets Volumetric or Fractional RFS Standards?](#)" *farmdoc daily* (5):107, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 10, 2015.
165. Irwin, Scott. and Darrel Good "[The EPA's Proposed Ethanol Mandates for 2014, 2015, and 2016: Is There a 'Push' or Not?](#)" *farmdoc daily* (5):102, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 3, 2015.
166. Irwin, Scott. "[Clues from the RINs Market about the EPA's RVO Proposals for 2014, 2015, and 2016.](#)" *farmdoc daily* (5):98, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 28, 2015.
167. Irwin, Scott, Darrel Good, and J. Newton. "[Early Planting and 2015 Corn Yield Prospects: How Much of an Increase?](#)" *farmdoc daily* (5):93, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 20, 2015.
168. Irwin, Scott, and Darrel Good. "[The Relationship between Stocks-to-Use and Soybean Prices Revisited.](#)" *farmdoc daily* (5):89, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 14, 2015.
169. Irwin, Scott, Darrel Good, and D. Sanders. "[Understanding and Evaluating WAOB/USDA Soybean Yield Forecasts.](#)" *farmdoc daily* (5):84, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 7, 2015.
170. Irwin, Scott, Darrel Good, and D. Sanders. "[Understanding and Evaluating WAOB/USDA Corn Yield Forecasts.](#)" *farmdoc daily* (5):79, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 30, 2015.
171. Irwin, Scott, and Good, D. "[Forming Expectations for the 2015 U.S. Average Spring Wheat Yield: What Does History Teach Us?](#)" *farmdoc daily* (5):75, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 23, 2015.

172. Good, Darrel, and Scott Irwin. "[Projecting the 2015-16 Corn Balance Sheet and Price Implications.](#)" *farmdoc daily* (5):70, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 16, 2015.
173. Good, Darrel, and Scott Irwin. "[The Relationship between Stocks-to-Use and Corn Prices Revisited.](#)" *farmdoc daily* (5):65, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 9, 2015.
174. Good, Darrel, and Scott Irwin. "[The Acreage Puzzle.](#)" *farmdoc daily* (5):61, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2, 2015.
175. Irwin, Scott, and Darrel Good. "[Forming Expectations for the 2015 U.S. Average Winter Wheat Yield: What Does History Teach Us?](#)" *farmdoc daily* (5):56, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 26, 2015.
176. Irwin, Scott, and Darrel Good. "[Forming Expectations for the 2015 U.S. Average Soybean Yield: What Does History Teach Us?](#)" *farmdoc daily* (5):51, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 19, 2015.
177. Irwin, Scott, and Darrel Good. "[Ethanol Production Profits: The Risk from Lower Prices of Distillers Grains.](#)" *farmdoc daily* (5):46, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 12, 2015.
178. Irwin, Scott. "[2014 Really Was an Amazing Year for Ethanol Production Profits.](#)" *farmdoc daily* (5):41, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 5, 2015.
179. Irwin, Scott, and Darrel Good. "[Forming Expectations for the 2015 U.S. Average Corn Yield: What Does History Teach Us?](#)" *farmdoc daily* (5):36, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 26, 2015.
180. Irwin, Scott, and Darrel Good. "[What if the EPA Implements RFS Mandates for Renewable Fuels at Statutory Levels?](#)" *farmdoc daily* (5):31, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 19, 2015.
181. Irwin, Scott, and Darrel Good. "[Long-Term Corn, Soybeans, and Wheat Price Forecasts and the Farm Bill Program Choice.](#)" *farmdoc daily* (5):20, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 4, 2015.

182. Irwin, Scott, and Darrel Good. "[Further Evidence on the Competitiveness of Ethanol in Gasoline Blends.](#)" *farmdoc daily* (5):17, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 30, 2015.
183. Irwin, Scott. "[The Profitability of Biodiesel Production in 2014.](#)" *farmdoc daily* (5):16, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 28, 2015.
184. Irwin, Scott. and Darrel Good. "[Long-Term Corn Price Forecasts and the Farm Bill Program Choice.](#)" *farmdoc daily* (5):7, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 14, 2015.
185. Irwin, Scott, and Darrel Good. "[Prospects for Ethanol Production Profits Dim as Gasoline Prices Plummet.](#)" *farmdoc daily* (4):237, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 11, 2014.
186. Irwin, Scott, and Darrel Good. "[How Much Will Falling Gasoline Prices Affect Ethanol and Corn Demand?](#)" *farmdoc daily* (4):232, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 4, 2014.
187. Irwin, Scott, and Darrel Good. "[Do Falling Gasoline Prices Threaten the Competitiveness of Ethanol?](#)" *farmdoc daily* (4):219, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 12, 2014.
188. Irwin, Scott. "[2014: A Tough Year for Biodiesel Producers.](#)" *farmdoc daily* (4):210, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 30, 2014.
189. Irwin, Scott. "[Ethanol Production Profits Hit the Wall.](#)" *farmdoc daily* (4):205, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 23, 2014.
190. Irwin, Scott. "[Pricing of 2014 Biodiesel RINs under Alternative Policy Scenarios.](#)" *farmdoc daily* (4):199, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 15, 2014.
191. Irwin, Scott. "[Understanding the Behavior of Biodiesel RINs Prices.](#)" *farmdoc daily* (4):196, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 10, 2014.

192. Good, Darrel, and Scott Irwin. "[Owning Corn and Soybeans beyond Harvest in 2014/15.](#)" *farmdoc daily* (4):179, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 17, 2014.
193. Newton, John, Scott Irwin and Darrel Good. "[Do Big Soybean Crops Always Get Bigger?](#)" *farmdoc daily* (4):173, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 10, 2014.
194. Irwin, Scott, Darrel Good, and Dwight Sanders. "[Are USDA Soybean Yield Forecasts Getting Better or Worse over Time?](#)" *farmdoc daily* (4):169, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 4, 2014.
195. Irwin, Scott, Darrel Good, and Dwight Sanders. "[Are USDA Corn Yield Forecasts Getting Better or Worse over Time?](#)" *farmdoc daily* (4):166, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 29, 2014.
196. Irwin, Scott, Darrel Good, and Gary Schnitkey. "[What Can We Learn About Corn and Soybean Yields From Crop Tours?](#)" *farmdoc daily* (4):163, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 27, 2014.
197. Irwin, Scott, Darrel Good, and John Newton. "[Do Big Corn Crops Always Get Bigger?](#)" *farmdoc daily* (4):156, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 20, 2014.
198. Irwin, Scott. "[Rolling Back the Write Down of the Renewable Mandate for 2014: The RINs Market Rings the Bell Again.](#)" *farmdoc daily* (4):148, Department of Agricultural and Consumer Economics, University of Illinois, August 8, 2014.
199. Irwin, Scott, and Darrel Good. "[The 2014 U.S. Average Soybean Yield: Headed for a New Record?](#)" *farmdoc daily* (4):137, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 23, 2014.
200. Irwin, Scott, and Darrel Good. "[The 2014 U.S. Average Corn Yield: Big or Really Big?](#)" *farmdoc daily* (3):127, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 9, 2014.
201. Good, Darrel, and Scott Irwin. "[Shifting Trade Patterns and Higher Crude Oil Prices Brighten Prospects for U.S. Ethanol and Corn.](#)" *farmdoc daily* (4):113, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 18, 2014.

202. Irwin, Scott, and Darrel Good. "[Why Are Ethanol Prices and Production Profits So High?](#)" *farmdoc daily* (4):108, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 11, 2014.
203. Irwin, Scott. "[Recent Ethanol Blending Margins.](#)" *farmdoc daily* (4):96, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 23, 2014.
204. Good, Darrel, and Scott Irwin. "[Accuracy of USDA Forecasts of Corn Ending Stocks.](#)" *farmdoc daily* (4):94, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 21, 2014.
205. Irwin, Scott. "[Off-the-Chart Profitability of Ethanol Production.](#)" *farmdoc daily* (4):84, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 7, 2014.
206. Irwin, Scott, and Darrel Good. "[Prospects for Timely Planting of the 2014 Corn Crop.](#)" *farmdoc daily* (4):79, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 30, 2014.
207. Good, Darrel, and Scott Irwin. "[The Relationship between Planting Intentions, Actual Plantings, and Prevented Plantings over 2007-2013.](#)" *farmdoc daily* (4):64, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 9, 2014.
208. Good, Darrel, and Scott Irwin. "[Are There Acres Missing from the USDA's Prospective Plantings Report?](#)" *farmdoc daily* (4):61, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 4, 2014.
209. Irwin, Scott. "[Recent Trends in the Profitability of Biodiesel Production.](#)" *farmdoc daily* (4):51, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 19, 2014.
210. Irwin, Scott. "[Recent Trends in the Profitability of Ethanol Production.](#)" *farmdoc daily* (4):48, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 14, 2014.
211. Irwin, Scott. "[Implying the Probability of an EPA Reversal on the Write Down of the Renewable Mandate from the RINs Market.](#)" *farmdoc daily* (4):41, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 5, 2014.

212. Irwin, Scott, and Darrel Good. "[Who Wins if the EPA Reverses Itself on the Write Down of the Renewable Mandate in 2014?](#)" *farmdoc daily* (4):38, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 28, 2014.
213. Irwin, Scott. "[Will the EPA Reverse Itself on the Write Down of the Renewable Mandate for 2014? The Message from the RINs Market.](#)" *farmdoc daily* (4):31, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 19, 2014.
214. Irwin, Scott, Dwight Sanders, and Darrel Good. "[The Role of Sampling Errors in Explaining Recent Surprises in USDA Corn Stocks Estimates: Part II.](#)" *farmdoc daily* (4):28, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 14, 2014.
215. Irwin, Scott, Dwight Sanders, and Darrel Good. "[Explanations for Recent Surprises in USDA Corn Stocks Estimates: How Well Do they Hold Up?](#)" *farmdoc daily* (4):22, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 7, 2014.
216. Irwin, Scott, Dwight Sanders, and Darrel Good. "[Is There a Problem with USDA Grain Stocks Estimates in Corn?](#)" *farmdoc daily* (4):15, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 29, 2014.
217. Irwin, Scott, Dwight Sanders, and Darrel Good. "[Evaluation of Selected USDA WAOB and NASS Forecasts and Estimates in Corn and Soybeans.](#)" *farmdoc daily* (4):8, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 17, 2014.
218. Irwin, Scott. "[Estimating the Biomass-Based Diesel Supply Curve.](#)" *farmdoc daily* (3):237, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 13, 2013.
219. Irwin, Scott, and Darrel Good. "[Potential Impact of Alternative RFS Outcomes for 2014 and 2015.](#)" *farmdoc daily* (3):230, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 4, 2013.
220. Irwin, Scott, and Darrel Good. "[How Long Should We Expect Corn and Soybean Prices to Remain Above or Below Average?](#)" *farmdoc daily* (3):213, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 7, 2013.

221. Irwin, Scott. "[More on Ethanol RINs Pricing.](#)" *farmdoc daily* (3):208, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 31, 2013.
222. Irwin, Scott. "[More on Biodiesel RINs Pricing.](#)" *farmdoc daily* (3):207, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 30, 2013.
223. Irwin, Scott. "[Biodiesel Supply, Demand, and RINs Pricing.](#)" *farmdoc daily* (3):203, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 24, 2013.
224. Irwin, Scott. "[Estimating the Biodiesel Supply Curve.](#)" *farmdoc daily* (3):198, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 17, 2013.
225. Good, Darrel, and Scott Irwin. "[Corn Prices Pressured by Both Supply and Demand Factors.](#)" *farmdoc daily* (3):195, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 14, 2013.
226. Irwin, Scott. "[What's Behind the Plunge in RINs Prices?](#)" *farmdoc daily* (3):193, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 10, 2013.
227. Irwin, Scott. "[Ethanol Prices Drive Corn Prices, Right?](#)" *farmdoc daily* (3):192, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 9, 2013.
228. Irwin, Scott. "[The Remarkable Foresight of Biodiesel RINs Traders.](#)" *farmdoc daily* (3):187, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 2, 2013.
229. Irwin, Scott. "[Biodiesel Supply Response to Production Profits.](#)" *farmdoc daily* (3):182, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 25, 2013.
230. Irwin, Scott, and Darrel Good. "[Recent Trends in Biodiesel Prices and Production Profits.](#)" *farmdoc daily* (3):177, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 18, 2013.

231. Irwin, Scott, and Darrel Good. "[Decision Time for the RFS?](#)" *farmdoc daily* (3):169, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 5, 2013.
232. Good, Darrel, and Scott Irwin. "[USDA Corn and Soybean Production Forecasting Procedures Revisited With a Focus on Derived Ear Weights.](#)" *farmdoc daily* (3):164, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 28, 2013.
233. Adjemian, Michael, Philip Garcia, Scott Irwin, and Aaron Smith. "[Solving the Commodity Markets' Non-Convergence Puzzle.](#)" *farmdoc daily* (3):159, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 21, 2013.
234. Irwin, Scott, and Darrel Good. "[RINs Gone Wild?](#)" *farmdoc daily* (3):138, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 19, 2013.
235. Irwin, Scott, and Darrel Good. "[Understanding the Pricing of Distillers' Grain Solubles.](#)" *farmdoc daily* (3):133, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 12, 2013.
236. Good, Darrel, and Scott Irwin. "[Is the U.S. Corn Boom Ending?](#)" *farmdoc daily* (3):123, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 26, 2013.
237. Irwin, Scott, and Darrel Good. "[E85 Pricing and Recent Consumption Trends.](#)" *farmdoc daily* (3):118, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 19, 2013.
238. Irwin, Scott. "[An Updated Look at the Profitability of Ethanol Production.](#)" *farmdoc daily* (3):115, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 14, 2013.
239. Irwin, Scott, and Darrel Good. "[What Combination of Corn and RINs Prices Makes E85 Competitive?](#)" *farmdoc daily* (3):113, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 12, 2013.
240. Irwin, Scott, and Darrel Good. "[What Price of Corn is Required to Make E85 Competitive?](#)" *farmdoc daily* (3):108, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 5, 2013.

241. Irwin, Scott, and Darrel Good. "[Rapid Corn Planting Progress, But Well Below the Record Pace.](#)" *farmdoc daily* (3):98, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 22, 2013.
242. Irwin, Scott, and Darrel Good. "[Brazilian Ethanol Imports - Implications for U.S. Ethanol and Corn Demand.](#)" *farmdoc daily* (3):83, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 2, 2013.
243. Good, Darrel, and Scott Irwin. "[How Much of the 2013 Corn Crop Will Be Planted Late?](#)" *farmdoc daily* (3):78, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 25, 2013.
244. Irwin, Scott, and Darrel Good. "[Is Speculation Driving Up the Price of RINs?](#)" *farmdoc daily* (3):77, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 24, 2013.
245. Irwin, Scott. "[Was 2012 Really the 'Big One' for U.S. Corn Yields?](#)" *farmdoc daily* (3):72, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 17, 2013.
246. Irwin, Scott, and Darrel Good. "[Freeze It - A Proposal for Implementing RFS2 through 2015.](#)" *farmdoc daily* (3):67, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 10, 2013.
247. Irwin, Scott, and Darrel Good. "[Ethanol Blending Margins, RFS2 Compliance, and the Price of Gasoline.](#)" *farmdoc daily* (3):62, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 3, 2013.
248. Irwin, Scott, and Darrel Good. "[High Gasoline and Ethanol RINs Prices: Is There a Connection?](#)" *farmdoc daily* (3):57, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 27, 2013.
249. Irwin, Scott, and Darrel Good. "[Exploding Ethanol RINs Prices: What's the Story?](#)" *farmdoc daily* (3):45, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 8, 2013.
250. Irwin, Scott, and Darrel Good. "[New Era Crop Price Distributions and Marketing the 2012 and 2013 Crops.](#)" *farmdoc daily* (3):39, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 28, 2013.

251. Irwin, Scott, and Darrel Good. "[The New Era of Crop Prices --- A Five-Year Review.](#)" *farmdoc daily* (3):38, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 27, 2013.
252. Irwin, Scott, and Darrel Good. "[The Ethanol Blend Wall, Biodiesel Production Capacity, and the RFS...Something Has to Give.](#)" *farmdoc daily* (3):27, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 13, 2013.
253. Irwin, Scott, and Darrel Good. "[Expanding the Ethanol Blend Wall - a Role for E85?](#)" *farmdoc daily* (3):18, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 31, 2013.
254. Irwin, Scott, and Darrel Good. "[Domestic Biodiesel versus Brazilian Ethanol Revisited.](#)" *farmdoc daily* (3):8, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 16, 2013.
255. Irwin, Scott, and Darrel Good. "[Does the Biodiesel Tax Credit Change the Advanced Bio-fuels Landscape?](#)" *farmdoc daily* (3):4, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 10, 2013.
256. Irwin, Scott, and Darrel Good. "[Do Recent Precipitation Deficits Tell Us Anything about Next Summer's Precipitation?](#)" *farmdoc daily* (2):245, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 19, 2012.
257. Irwin, Scott, and Darrel Good. "[What's Driving the Surge in Ethanol Imports?](#)" *farmdoc daily* (2):237, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 7, 2012.
258. Good, Darrel, and Scott Irwin. "[How Many Acres of Corn are Needed in 2013?](#)" *farmdoc daily* (2):227, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 21, 2012.
259. Good, Darrel, and Scott Irwin. "[The Biofuels Era - A Changing of the Guard?](#)" *farmdoc daily* (2):214, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 2, 2012.
260. Irwin, Scott. "[farmdoc daily Gets Social \(Media\).](#)" *farmdoc daily* (2):202, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 18, 2012.

261. Irwin, Scott, and Darrel Good. "[How Bad Was the 2012 Corn and Soybean Growing Season?](#)" *farmdoc daily* (2):192, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 3, 2012.
262. Good, Darrel, and Scott Irwin. "[The Impending Collision of Biofuels Mandates with Market Reality.](#)" *farmdoc daily* (2):187, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 26, 2012.
263. Irwin, Scott. "[What Price of Crude Oil Makes Ethanol Production Profitable?](#)" *farmdoc daily* (2):179, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 14, 2012.
264. Good, Darrel, and Scott Irwin. "[Rationing the 2012 Corn Crop Revisited.](#)" *farmdoc daily* (2):158, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 15, 2012.
265. Irwin, Scott, and Darrel Good. "[Ethanol—Does the RFS Matter?](#)" *farmdoc daily* (2):148, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 2, 2012.
266. Irwin, Scott. "[Update on the Shutdown Price of Corn for Ethanol Plants.](#)" *farmdoc daily* (2):142, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 25, 2012.
267. Good, Darrel, and Scott Irwin. "[Rationing the 2012 Corn Crop—Are We There Yet?](#)" *farmdoc daily* (2):133, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 13, 2012.
268. Irwin, Scott and Darrel Good. "[USDA Jolts the Markets.](#)" *farmdoc daily* (2):131, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 11, 2012.
269. Irwin, Scott, and Darrel Good. "[Where Should We Be Now With Corn Yield Expectations?](#)" *farmdoc daily* (2):121, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 26, 2012.
270. Irwin, Scott, and Darrel Good. "[Thinking Out of the Box about Crop and Livestock Marketing.](#)" *farmdoc daily* (2):117, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 20, 2012.

271. Irwin, Scott, and Darrel Good. "[Recent Observations on the Tolerance of Corn Yield to Drought Conditions](#)." *farmdoc daily* (2):107, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 6, 2012.
272. Irwin, Scott, and Darrel Good. "[Is the Long Ethanol Boom Coming to a Close?](#)" *farmdoc daily* (2):99, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 24, 2012.
273. Irwin, Scott. "[Rationing Old Crop Corn and Ethanol Shutdown Prices](#)." *farmdoc daily* (2):98, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 23, 2012.
274. Irwin, Scott, and Darrel Good. "[What is a Reasonable Starting Point for Estimating the U.S. Corn Yield in 2012?](#)" *farmdoc daily* (2):93, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 16, 2012.
275. Irwin, Scott, and Dwight Sanders. "[Speculation and Gasoline Prices: Is There a Link?](#)" *farmdoc daily* (2):77, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 25, 2012.
276. Irwin, Scott, and Darrel Good. "[2012 Corn Crop To Be The Earliest Ever Planted?](#)" *farmdoc daily* (2):72, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 18, 2012.
277. Irwin, Scott. "[A Look at the Profitability of Ethanol Plants](#)." *farmdoc daily* (2):68, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 11, 2012.
278. Irwin, Scott, and Darrel Good. "[Winter Precipitation and Corn Yield](#)." *farmdoc daily* (2):61, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 2, 2012.
279. Irwin, Scott, and Darrel Good. "[USDA Reports a Jumble of Surprises](#)." *farmdoc daily* (2):60, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 30, 2012.
280. Irwin, Scott, and Darrel Good. "[How Much Impact Will Early U.S. Corn Planting Have on Potential Yield?](#)" *farmdoc daily* (2):55, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 23, 2012.

281. Irwin, Scott. "[farmdoc daily is One Year Old!](#)" *farmdoc daily* (2):53, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 21, 2012.
282. Irwin, Scott, and Darrel Good. "[Do Warm Winters Tell Us Anything about Summer Temperatures and Corn Yields?](#)" *farmdoc daily* (2):46, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 8, 2012.
283. Irwin, Scott, and Darrel Good. "[More about the Historic Pattern of U.S Winter Wheat Yields.](#)" *farmdoc daily* (2):37, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 24, 2012.
284. Irwin, Scott, and Darrel Good. "[The Historic Pattern of U.S Winter Wheat Yields, Any Implications for 2012?](#)" *farmdoc daily* (2):35, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 23, 2012.
285. Irwin, Scott. "[The Truly Amazing Continuing Story of Natural Gas Prices.](#)" *farmdoc daily* (2):29, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 15, 2012.
286. Irwin, Scott, and Darrel Good. "[The Historic Pattern of U.S Soybean Yields, Any Implications for 2012?](#)" *farmdoc daily* (2):25, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 8, 2012.
287. Irwin, Scott, and Darrel Good. "[The Historic Pattern of U.S Corn Yields, Any Implications for 2012?](#)" *farmdoc daily* (2):21, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 2, 2012.
288. Irwin, Scott, and Darrel Good. "[Corn Basis Revisited.](#)" *farmdoc daily* (2):17, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 27, 2012.
289. Irwin, Scott. "[Seasonality and the Ethanol Blending Margin.](#)" *farmdoc daily* (1):212, December 16, 2011.
290. Irwin, Scott, and Darrel Good. "[Trends in Gasoline and Ethanol Prices.](#)" *farmdoc daily* (1):211, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, December 15, 2011.
291. Irwin, Scott, and Darrel Good. "[Marketing Corn, Soybeans, and Wheat in the New Era.](#)" *farmdoc daily* (1):194, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 18, 2011.

292. Irwin, Scott, and Darrel Good. "[Trends in Crude Oil and Natural Gas Prices.](#)" *farmdoc daily* (1):183, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 2, 2011.
293. Irwin, Scott, and Darrel Good. "[Corn Prices, Basis, and Spreads.](#)" *farmdoc daily* (1):176, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 20, 2011.
294. Irwin, Scott, and Darrel Good. "[October USDA Reports.](#)" *farmdoc daily* (1):171, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 12, 2011.
295. Irwin, Scott, and Darrel Good. "[Trends in Crude Oil and Gasoline Prices.](#)" *farmdoc daily* (1):167, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 6, 2011.
296. Irwin, Scott, and Darrel Good. "[U.S. Corn Exports-The Rest of the Story.](#)" *farmdoc daily* (1):162, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 29, 2011.
297. Irwin, Scott, and Darrel Good. "[2011 U.S. Corn and Soybean Yield Expectations.](#)" *farmdoc daily* (1):149, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 9, 2011.
298. Irwin, Scott, and Darrel Good. "[USDA Corn and Soybean Yield Forecast Errors Across Report Release Months.](#)" *farmdoc daily* (1):143, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 1, 2011.
299. Irwin, Scott, and Darrel Good. "[Have the Accuracy of USDA's August Corn and Soybean Production Forecasts Changed?](#)" *farmdoc daily* (1):134, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 19, 2011.
300. Irwin, Scott, and Darrel Good. "[Hot Summer Weather and 2011 Corn and Soybean Yields.](#)" *farmdoc daily* (1):124, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 4, 2011.
301. Irwin, Scott, and Darrel Good. "[Hot July Weather and Corn Yields.](#)" *farmdoc daily* (1):112, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 19, 2011.

302. Irwin, Scott, and Darrel Good. "[Interpreting Recent Data on Corn Planting Progress.](#)" *farmdoc daily* (1):88, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 14, 2011.
303. Good, Darrel, and Scott Irwin. "[Corn Planting Speed Revisited.](#)" *farmdoc daily* (1):79, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 3, 2011.
304. Irwin, Scott, and Dwight Sanders. "[Is Speculation Driving Commodity Prices?](#)" *farmdoc daily* (1):77, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 1, 2011.
305. Irwin, Scott, and Darrel Good. "[Do High Prices Destroy Demand?](#)" *farmdoc daily* (1):63, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, May 10, 2011.
306. Irwin, Scott, and Darrel Good. "[Late Corn Planting and Planting Speed.](#)" *farmdoc daily* (1):50, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 25, 2011.
307. Irwin, Scott, and Darrel Good. "[A New Era in Real Agricultural Prices?](#)" *farmdoc daily* (1):45, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 19, 2011.
308. Irwin, Scott, and Darrel Good. "[Livestock/Corn Price Ratios in the New Era.](#)" *farmdoc daily* (1):40, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 12, 2011.
309. Irwin, Scott, and Darrel Good. "[A New Era in Livestock Prices?](#)" *farmdoc daily* (1):33, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, April 5, 2011.
310. Irwin, Scott, and Darrel Good. "[A New Era in Crop Prices?](#)" *farmdoc daily* (1):27, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 29, 2011.
311. Irwin, Scott and Darrel Good. "[USDA Corn and Soybean Acreage Estimates and Yield Forecasts: Dispelling Myths and Misunderstandings.](#)" *farmdoc daily* (1):23, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 23, 2011.

312. Irwin, Scott and Darrel Good. "[Alternative 2011 Corn Production, Consumption, and Price Scenarios.](#)" *farmdoc daily* (1):14, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2, 2011.

EXTENSION ARTICLES AND BRIEFS

1. Good, Darrel, and Scott Irwin. "[USDA Corn and Soybean Acreage Estimates and Yield Forecasts: Dispelling Myths and Misunderstandings.](#)" Marketing and Outlook Brief 2011-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2011.
2. Irwin, Scott, and Darrel Good. "[Alternative 2011 Corn Production, Consumption, and Price Scenarios.](#)" Marketing and Outlook Brief 2011-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2011.
3. Irwin, Scott, Darrel Good, and Mindy Mallory. "[Could a Variable Ethanol Blenders' Tax Credit Work?](#)" Agricultural Policy Brief 2010-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 2010.
4. Irwin, Scott, and Darrel Good. "[Alternative 2010 Corn Production Scenarios and Policy Implications.](#)" Marketing and Outlook Brief 2010-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, March 2010.
5. Irwin, Scott, Darrel Good, and Mike Tannura. "[2009 Final Corn and Soybean Yield Forecasts.](#)" Marketing and Outlook Brief 2009-06, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 2009.
6. Irwin, Scott, Darrel Good, and Mike Tannura. "[2009 Soybean Yield Prospects Improving.](#)" Marketing and Outlook Brief 2009-05, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 2009.
7. Irwin, Scott, Darrel Good, and Mike Tannura. "[2009 Corn Yield Prospects Continue to Improve.](#)" Marketing and Outlook Brief 2009-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, August 2009.
8. Irwin, Scott, Darrel Good, and Mike Tannura. "[2009 Corn Yield Prospects Improving.](#)" Marketing and Outlook Brief 2009-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 2009.
9. Irwin, Scott, Darrel Good, and Mike Tannura. "[Early Prospects for 2009 Soybean Yields in Illinois, Indiana, and Iowa.](#)" Marketing and Outlook Brief 2009-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 2009.

10. Irwin, Scott, Darrel Good, and Mike Tannura. "[Early Prospects for 2009 Corn Yields in Illinois, Indiana, and Iowa.](#)" Marketing and Outlook Brief 2009-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 2009.
11. Irwin, Scott H., and Darrel L. Good. "[Market Instability in a New Era of Corn, Soybean, and Wheat Prices.](#)" *Choices* 1st Quarter 2009, 24(1)
12. Good, Darrel, and Scott Irwin. "[Implications of Credit Market Problems for Crop Prices.](#)" Illinois Farm Economics Update 2008-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, October 2008.
13. Irwin, Scott, and Darrel Good. "[The New Era of Corn, Soybean, and Wheat Prices.](#)" Marketing and Outlook Brief 2008-04, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, September 2008.
14. Irwin, Scott H., Philip Garcia, Darrel L. Good, and Eugene L. Kunda. "[Recent Convergence Performance of CBOT Corn, Soybean, and Wheat Futures Contracts.](#)" *Choices*, 2nd Quarter 2008, 23(2).
15. Tannura, Mike, Scott Irwin, and Darrel Good. "[Forming Expectations About 2008 U.S. Corn and Soybean Yields—Application of Crop Weather Models that Incorporate Planting Progress.](#)" Marketing and Outlook Brief 2008-03, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 2008.
16. Tannura, Mike, Scott Irwin, and Darrel Good. "[Are Corn Trend Yields Increasing at a Faster Rate?](#)" Marketing and Outlook Brief 2008-02, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, February 2008.
17. Good, Darrel, and Scott Irwin. "[So How Do I Make Corn and Soybean Pricing Decisions?](#)" Marketing and Outlook Brief 2008-01, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, January 2008.
18. Good, Darrel, and Scott Irwin. "[2007 U.S. Corn Production Risks: What Does History Teach Us?](#)" Marketing and Outlook Brief 2007-01, May 2007.
19. Irwin, Scott H. "AgMAS Update." 2000 Agricultural *Outlook Guide*, p. 4. [Insert in *Prairie Farmer*]
20. Good, Darrel L., Scott H. Irwin, Thomas E. Jackson, Mark A. Jirik, and Joao Martines-Filho. "Market Advisory Services Performance Evaluation." Illinois Corn Growers Association, March 2000.

21. Irwin, Scott H. "Crop Risks for 2000." 1999 Agricultural *Outlook Guide*, p. 3. [Insert in *Prairie Farmer*]
22. Schnitkey, Gary D. and Scott H. Irwin. "Examples of Impacts of Multi-Peril Insurance Products for Corn Production on Illinois Grain Farms." *Proceedings of Agricultural Lender Workshop: Tooling Up for New Challenges*. Center for Farm and Rural Business Finance, University of Illinois at Urbana-Champaign, November 1999.
23. Jackson, Thomas E., Scott H. Irwin, and Darrel L. Good. "Market Advisory Services Performance Evaluation." Illinois Corn Growers Association, March 1999.
24. Good, Darrel, Scott Irwin and Tom Jackson. "Low Prices for Agricultural Commodities - How Long Will They Persist?" *Proceedings of Farm Income: Challenges and Opportunities, 1998 Seminar for Farmers, Lenders and Agri-Business*. University of Illinois Extension, pp. 59-66.
25. Schnitkey, Gary and Scott Irwin. "1998 Income Management for Crop Farmers" *Proceedings of Farm Income: Challenges and Opportunities, 1998 Seminar for Farmers, Lenders and Agri-Business*. University of Illinois Extension, pp. 79-82.
26. Irwin, Scott H. "Price Risk: A New Approach for a New Era." 1998 Agricultural *Outlook Guide*, p. 3. [Insert in *Prairie Farmer*]
27. Zulauf, Carl R., Jeffrey A. Goodbar, Scott H. Irwin, and Robert P. Leeds. "Returns to Storage, Ohio Corn, 1964-1996 Crop Years." ESO, Department of Agricultural Economics, The Ohio State University, October 1997.
28. Ton, William Peter, Gregory Price, Thomas Hollinger III, Darrel Good and Scott Irwin. "A Directory of Premium Agricultural Marketing Services Offered on FarmDayta and Data Transmission Network." Extension Bulletin, Cooperative Extension Service, University of Illinois at Urbana-Champaign and Ohio State University Extension, The Ohio State University, February, 1997.
29. Leeds, Robert, Carl Zulauf, and Scott Irwin. "Average Return and Risk to Storing Corn, Ohio, 1964-1989." Farm Income Enhancement Paper 155. Economics and Sociology Occasional Paper 1940. October 1992.
30. Leeds, Robert, Carl Zulauf, and Scott Irwin. "Basis and Large Crop Storage Strategies for Corn, Ohio, 1964-1989." Farm Income Enhancement Paper 159. Economics and Sociology Occasional Paper 1975. October 1992.

31. Leeds, Robert, Carl Zulauf, and Scott Irwin. "Return and Risk to Storing Corn by Decade, Ohio, 1964-1989." Farm Income Enhancement Paper 160. Economics and Sociology Occasional Paper 1976. October 1992.
32. Irwin, Scott H. "Outlook for Livestock in 1991." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 27(1991):48-50.
33. Irwin, Scott H. "Livestock and Livestock Products." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 27(1990):46-48.
34. Sherrick, Bruce R., D. Lynn Forster, and Scott H. Irwin. "Farmland: An Investment Alternative." *Ohio's Challenge*. Summer 1990, pp. 3-5.
35. Irwin, Scott H. and Gregory D. Hanson. "Farmland: A Good Investment?" *Choices*. Fourth Quarter, 1989, pp. 22-23.
36. Irwin, Scott H. "Meat Animals and Poultry." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 26(1989):41-44.
37. Irwin, Scott H. "General Economic Conditions." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 25(1988):1-5.
38. Irwin, Scott H. "Farm Income." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 25(1988):6.
39. Irwin, Scott H. "Hog Outlook." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 25(1988):50-51.
40. Irwin, Scott H. "Cattle Outlook." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 25(1988):52-53.
41. Frank, Stuart D., Dennis R. Henderson, and Scott H. Irwin. "Farm Program Benefits: Income or Capital Gains?" *Ohio's Challenge*. Spring 1988, pp. 11-15.
42. Irwin, Scott H. "General Economic Conditions." *Outlook Guide: Ohio Agricultural Handbook of Economic Information* 24(1987):1-4.
43. Irwin, Scott H. "Farm Income." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 24(1987):5.
44. Irwin, Scott H. "Hog Outlook." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 24(1987):47-48.

45. Irwin, Scott H. "Cattle Outlook." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*. 24(1987):49-50.
46. Irwin, Scott H. "The Hog Outlook for 1987/1988: Or Where Have All The Hogs Gone?" Paper presented at the Midwest Outlook Conference, Minneapolis, Minnesota, August 19, 1987.
47. Irwin, Scott H. "General Economic Conditions." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*, 23(1986):1-4.
48. Irwin, Scott H. "Hog Outlook." *Outlook Guide: Ohio Agricultural Handbook of Economic Information*, 23(1986):46-47.
49. Brorsen, B. Wade and Scott H. Irwin. "Seasonal Price Patterns of Indiana Commodities." *Purdue Agricultural Economics Report*, November 1984, pp. 6-9.
50. Irwin, Scott H. and B. Wade Brorsen. "Does Technical Analysis Really Work?" *Purdue Agricultural Economics Report*, August 1984, pp. 8-9.
51. Irwin, Scott H. and J. William Uhrig. "Market Analysis: Concepts and Applications of Technical Price Analysis." *Proceedings of On-Farm Computer Use Conference*, Department of Agricultural Economics, Purdue University, 1982, pp. 143-158.
52. Uhrig, J. William and Scott H. Irwin. "Financial Situation of Farmers." *Proceedings of the 1982 Agricultural Outlook Conference*, U.S. Department of Agriculture, 1982, pp. 404-412.

ARTICLES IN POPULAR PUBLICATIONS

1. Hubbs, Todd, and Scott Irwin. "[Crop Markets Suffer Massive Demand Shock from COVID-19](#)." *CAST Commentary: Economic Impacts of COVID-19 on Food and Agricultural Markets*, QTA2020-3, June 2020, pp. 25-27.
2. Irwin, Scott H. "[The Outlook for Biofuels in the USA](#)." *Forum: A Quarterly Journal for Debating Energy Issues and Policies*, The Oxford Institute for Energy Studies, Issue 111, pp. 32-35, November 2017.
3. Adjemian, Michael, Philip Garcia, Scott Irwin and Aaron Smith. "[Solving the Commodity Markets' Non-Convergence Puzzle](#)." *Amber Waves*, August 2013.
4. Irwin, Scott H. "[What We've Learned about Speculation](#)." *OpenMarkets*, October 24, 2012.

5. Irwin, Scott H. "[Index Funds and Commodity Prices.. Here We Go Again.](#)" *Econbrowser*, July 9, 2009.
6. Irwin, Scott H. "[The Misadventures of Mr. Masters: Act II.](#)" *Econbrowser*, September 17, 2008.
7. Irwin, Scott H. "[Commodity Arbitrage.](#)" *Econbrowser*, April 16, 2008.
8. Zulauf, Carl R. and Scott H. Irwin. "Ohio State University: Discussion of Proposed Change in Chicago Board of Trade Delivery Area for Corn and Soybean Futures Contracts." *Financial Exchange*, 16(1997):8-11.
9. Irwin, Scott H. "Split Personality: Does Performance Have Meaning?" *Futures*. 21(1992):32-33.
10. Irwin, Scott H. "The Potential Role of Managed Futures in Institutional Pension Portfolios." *Managed Futures Association Journal*. 5(1991):57-69.
11. Irwin, Scott H. "Justifying Managed Futures." *Futures Industry Association Review*. July/August 1990, pp. 10-12.
12. Brorsen, B. Wade and Scott Irwin. "Do Futures Funds Distort Price Movements?" *Technical Analysis of Stocks and Commodities*. October 1989, pp. 16,18,28.
13. Irwin, Scott, D. Lynn Forster, and Bruce Sherrick. "Part of a Complete Portfolio: In the Long Run, Farm Real Estate Has Been a Good Investment." *Farm Futures*. March 1989, pp. 36F-36G.
14. Irwin, Scott. "Magic They're Not: Understanding the Limits of Technical Trading Systems." *Farm Futures*, January 1988, pp. 16-17.
15. Lukac, Louis, B. Wade Brorsen, and Scott Irwin. "Do Similar Signals From Systems Move Prices?" *Futures*, November 1987, pp. 56-58.
16. Lukac, Louis, B. Wade Brorsen, and Scott Irwin. "How to Test the Profitability of Technical Trading Systems." *Futures*, October 1987, pp. 72-74.
17. Irwin, Scott. "Diversification Dampens Volatility to Your 'Satisfaction' Level." *Futures*, April 1987, pp. 45-47.
18. Irwin, Scott, and Wade Brorsen. "Public Futures Funds: A Better Alternative?" *Futures*, September 1985, pp. 48-50.

19. Irwin, Scott, and Wade Brorsen. "How Public Futures Funds Returns Offset Costs." *Futures*, October 1985, pp. 80-84.
20. Lapinski, Guillermo, and Scott Irwin. "Anticipating Volatility in Premiums." *Futures*, September 1984, p. 51.

OP-ED ARTICLES

1. Irwin, Scott. "[Blaming Energy Futures for Energy's Current Costs](#)." *Washington Times*, May 3, 2012.
2. Sanders, Dwight R., and Scott H. Irwin. "[Futures Imperfect](#)." *New York Times*, July 20, 2008.

BOOK REVIEWS

1. Irwin, Scott, and Carl Zulauf. Review of *Agricultural Options* by George Angell, *American Journal of Agricultural Economics*, 69(1987):194.

CONGRESSIONAL AND REGULATORY TESTIMONY, AND REGULATORY COMMENTS

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.
2. Coppess, Jonathan and Scott H. Irwin. "[Comment on Notice of Data Availability, Docket ID No. EPA-HQ-OAR-2017-0091, Concerning Potential Reductions in the Volume Requirements for 2018 Renewable Fuel and 2019 Biomass-Based Diesel under the Renewable Fuels Standard Program](#)." Submitted October 19, 2017.
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.
4. Irwin, Scott H., and Dwight R. Sanders. "[Comment on Commodity Futures Trading Commission Rule 76 FR 4752](#)." Submitted March 28, 2011, Comment No. 33820.

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.
6. Irwin, Scott H. "[Is Speculation by Long-Only Index Funds Harmful to Commodity Markets?](#)" Testimony Prepared for the U.S. House of Representatives Committee on Agriculture, July 2008.
7. Irwin, Scott H., Philip Garcia, Darrel L. Good, and Eugene L. Kunda. "[Recent Delivery Performance of CBOT Corn, Soybean, and Wheat Futures Contracts.](#)" Statement to the CFTC Agricultural Forum, April 22, 2008.

INVITED PRESENTATIONS AT INDUSTRY, GOVERNMENT, AND UNIVERSITY MEETINGS⁶

1. "The Future of Biofuels...It's Complicated." Keynote address to Agricultural Conference on Biofuels in the Midwest: Today and Tomorrow, Federal Reserve Bank of Chicago, Virtual, November 30, 2021.
2. "Changing Times and Changing Attitudes: The Impact of the COVID Pandemic on Digital Extension Programs." C-FARE Annual Brandt Forum: Impacts of a Digitally Driven Global Economy, Virtual, November 2, 2021
3. "The State of the RFS." Keynote address to 11th Annual RFS2, RINs, and Biodiesel Conference, Oil Price Information Service (OPIS), Virtual, September 14, 2020.
4. "The State of the RFS." 10th Annual RFS2, RINs, and Biodiesel Conference, Oil Price Information Service (OPIS), Chicago, Illinois, October 2, 2018.
5. "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)
6. "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.
7. "The State of the U.S. Biofuels Industry and Where It's Headed." Keynote address to 9th Annual RFS2, RINs, and Biodiesel Conference, Oil Price Information Service (OPIS), Chicago, Illinois, October 3, 2017.

⁶ All presentations by Scott H. Irwin except where joint presentation indicated.

8. "The *farmdoc* Project as R&D." Agricultural Markets Advisory Council, CME Group, Inc., Chicago, Illinois, September 20, 2017.
9. "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.
10. "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.
11. "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.
12. "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.
13. "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.
14. "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.
15. "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.
16. "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.
17. "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.
18. "The RFS and Grain and Oilseed Markets: All Eyes on the EPA." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 10, 2013.

19. "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.
20. "Grain Market Volatility." Plenary Session on Managing Risk in Today's Markets, USDA Agricultural Outlook Forum, Washington, D.C., February 21, 2013.
21. "Biofuel Policies and their Implications for the Grain and Oilseed Markets." BMF Futures Exchange, Sao Paulo, Brazil, November 29, 2012.
22. "Farming is Fun!" Phoenix Agricultural Club, Phoenix, Arizona, February 21, 2012.
23. "U.S. Corn Yield." Morgan Stanley Commodity Conference, Boston, Massachusetts, December 14, 2011.
24. "Economic Value of Agricultural Data." Data Collection on Agriculture in a Time of Fiscal Constraints, Farm Foundation Forum, Washington, D.C., September 13, 2011.
25. "Recent Convergence Performance of Grain Futures." Illinois Farm Bureau Markets Task Force, Bloomington, Illinois, August 23, 2011.
26. "The New Price Plateau." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 18, 2011.
27. "When to Sell Corn and Soybeans in Illinois." FCS Crop Insurance College 2010, Champaign, Illinois, November 11, 2010.
28. "The Role of Index Funds in the Recent Commodity Price Boom and Bust." TCC Roundtable, Illini Center, Chicago, Illinois, October 7, 2009.
29. "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.
30. "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.
31. "Recent Delivery Performance of CBOT Corn, Soybean, and Wheat Futures Contracts." Presentation to CME Group and CFTC Staff, Chicago, Illinois, September 30, 2008.

32. "300 Bushels in Every Field: The Rising Debate about Corn Trend Yields." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 23, 2008.
33. "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.
34. "The *farmdoc* Project: This is Still Your Father's Extension Program." CSREES Administrators, Washington, DC, November 15, 2006.
35. "The *farmdoc* Project: This is Still Your Father's Extension Program." USDA Economists Group, Washington, DC, November 15, 2006.
36. "Performance of Market Advisory Services." Top Farmer Workshop, Purdue University, Lafayette, Indiana, July 19, 2006.
37. "The Performance of Market Advisory Services in Corn and Soybeans." National French Federation of Agro Farms Suppliers, Chicago, Illinois, June 7, 2006.
38. "Overview of the *farmdoc Project*." Annual Meeting of the American Society of Farm Managers and Rural Appraisers, Austin, Texas, October 8, 2005.
39. "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.
40. "Overview of Recent Marketing and Price Analysis Research at the University of Illinois." Club Demeter Forum, Chicago, Illinois, May 14, 2004.
41. "Are Futures Markets More or Less Important in Price Discovery?" USDA Agricultural Outlook Forum 2003, Washington, DC, February 21, 2003.
42. "A Farmer's Guide to Market Advisory Services." Top Farmer Workshop, Purdue University, Lafayette, Indiana, July 23, 2002.
43. "*farmdoc* Overview." North Central Regional Risk Management Center Workshop, Des Moines, Iowa October 16, 2001.
44. "Putting the Risk Protection Act of 2000 to Work: Applied Marketing Strategies." USDA Agricultural Outlook Forum 2001, Washington, DC, February 22, 2001.

45. "A Farmer's Guide to Market Advisory Services." *Top Producer Marketing Seminar*, Chicago, Illinois, January 26, 2001.
46. "The Impact of WASDE Reports in Corn and Soybean Markets." WAOB/ICEC Review Forum, U.S. Department of Agriculture, Washington, DC, December 14, 2000.
47. "A Farmer's Guide to Market Advisory Services." West Central Cooperative Marketing Seminar, Adair, Iowa, June 13, 2000.
48. "Evaluation of Market Advisory Services." Annual Meeting of the Independent Community Bankers Association, San Antonio, Texas, March 7, 2000.
49. "Commodity Funds and Price Discovery in Agricultural Futures Markets." Board of Directors of the Illinois Farm Bureau, Bloomington, Illinois, November 18, 1999
50. "A Guide to Market Advisory Services." FBFM In-Service Training Workshop, Springfield, Illinois, September 23, 1999.
51. "A Consumer's Guide to Market Advisory Services." Top Producer Marketing Seminar, Lincoln, Nebraska, July 31, 1999.
52. "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 Colman)
53. "Performance of Farm Market Advisory Services." Top Farmer Workshop, Purdue University, West Lafayette, Indiana, July 29, 1998.
54. "AgRisk." Marketing Workshop, Educational and Leadership Development Program, Illinois Soybean Association, Bloomington, Illinois, June 9, 1998.
55. "AgRisk: A New Risk Management Decision Tool." Rain and Hail LLC Adjusters Seminar, Bloomington, Illinois, April 2, 1998.
56. "Selecting a Market Advisory Service." Annual Agribusiness Conference, Arkansas State University, Jonesboro, Arkansas, February 11, 1998.
57. "AgRisk: A New Risk Management Decision Tool." Annual Meeting of the Association of Illinois Crop Insurance Agents, Springfield, Illinois, February 5, 1998.
58. "AgRisk: A New Risk Management Decision Tool." Illinois Farm Financial Conference, Urbana, Illinois, January 16, 1998.

59. "AgMAS and AgRisk Projects." Annual Meeting of the American Farm Bureau Federation, Charlotte, North Carolina, January 11, 1998.
60. "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.
61. "What is AgMAS?" Illinois Farm Business Management Fall Conference, Urbana, Illinois, October 8, 1997. (with Thomas E. Jackson)
62. "AgMAS and AgRisk Projects." Agricultural Commodity Roundtable Meeting, American Farm Bureau Federation, Chicago, Illinois, August 20, 1997.
63. "Risk Analysis Tools and Financial Engineering." Crop Insurance College for Professional Insurance Agents of Minnesota, Minneapolis, Minnesota, July 22, 1997.
64. "Evaluation of Market Advisory Services." Annual Meeting of the Ohio Society of Professional Farm Managers and Rural Appraisers, Columbus, Ohio, January 30, 1997.
65. "Agricultural Risk Management: A Financial Economics Approach." Forum on Risk Management, Kansas City, Kansas December 16-17, 1996.
66. "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.
67. "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.
68. "Risk Management Programs." 1996 Farm Bill Education Training Workshop, Kansas City, Kansas, April 15-16, 1996.
69. "The Predictability of Managed Futures Returns." *Pensions and Investments* Symposium on Risk Management, New York, New York, December 5-6, 1995.
70. "The Market Impact of Managed Futures Trading." Third Annual Risk Management Symposium, Chicago Mercantile Exchange, Chicago, Illinois, October 18, 1995.
71. "Commodity and Financial Futures Markets." Pioneer Institute, Chicago, Illinois, June 20, 1995.

72. "The Economics of Managed Futures." Second Annual Risk Management Symposium, Chicago Mercantile Exchange, Chicago, Illinois, November 1-3, 1994.
73. "Multi-Advisor Fund Performance: The Evidence." Forum for Managed Futures and Derivatives." New York, New York, June 27-July 1, 1994.
74. "The Debate over the Sources of Managed Futures Returns." First Annual Risk Management Symposium, Chicago, Illinois, August 23, 1993.
75. "The Predictability of Managed Futures Returns." Fourth Annual Managed Futures Symposium, Chicago, Illinois, October 2, 1992.
76. "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.
77. "The Predictability of CTA Returns." 1992 Mid-Year Conference on Futures Money Management, Chicago, Illinois, July 30, 1992.
78. "Overview of Studies on Managed Futures." Second Conference of Illinois Public Pension Funds, Chicago, Illinois, July 24, 1992.
79. "Managed Futures in an Institutional Portfolio: The Benefits of Diversification." Second Annual Nordic Conference on Managed Futures, Stockholm, Sweden, June 9, 1992.
80. "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.
81. "Managed Futures for Institutional Investors." Futures and Options Society of Chicago, Chicago, Illinois, February 11, 1992.
82. "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.
83. "The Benefits of Diversification Through Managed Futures." Annual Retreat for the Virginia Retirement System Board of Trustees, Tidewater, Virginia, July 18, 1991.
84. "Managed Futures in a Pension Portfolio: The Historical Evidence Third Annual Managed Futures Symposium, New York, New York, May 2, 1991.

85. "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.
86. "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.
87. "The Place for Managed Futures in an Institutional Investment Portfolio." First Annual International Managed Futures Symposium, Geneva, Switzerland, November 29, 1990.
88. "Portfolio Issues Affecting Alternative Assets." Alternative Assets for Institutions Seminar, Washington, DC, November 14, 1990.
89. "Comparing Managed Futures to Traditional Asset Class Investments." Managed Futures Investing Seminar, New York, New York, July 17, 1990.
90. "The Role of Managed Futures in Pension Portfolios." Second Annual Managed Futures Symposium, New York, New York, May 3, 1990.
91. "Public Futures Funds as an Alternative Asset Class for Pension Funds." First Annual Managed Futures Symposium, New York, New York, June 14, 1989.
92. "Public Futures Funds." Annual Meeting of the National Association of Futures Trading Advisors, New York, New York, May 3, 1985.
93. "Analysis of 1983 Feed Grain and Wheat Program." American Soybean Association Reduced Acreage Conference, St. Louis, Missouri, December 15, 1982. (with J. William Uhrig)
94. "The Interest Rate Outlook for 1981-82." Agricultural County Extension Agent Training Meeting, Purdue University, November 18, 1981.

COMPUTER SOFTWARE⁷

1. Schnitkey, Gary, Linwood Hoffman, Darrel Good, Scott Irwin, and Ryan Batts. *2009 ACRE Payment Estimator*, December 2009.

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

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.
13. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, and Wanyu Li. *2004 iFARM Crop Insurance Evaluator: Illinois*, February 2004.
14. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, George Patrick, and Wanyu Li. *2004 iFARM Crop Insurance Evaluator: Indiana*, February 2004.
15. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, William Edwards, and Wanyu Li. *2004 iFARM Crop Insurance Evaluator: Iowa*, February 2004.

16. Schnitkey, Gary D., Bruce J. Sherrick, Scott H. Irwin, and Wanyu Li. *2004 iFARM Crop Insurance Premium Calculator: North Central Region*, January 2004.
17. Wisner, Robert N., Darrel L. Good, Joao Martines-Filho, Scott H. Irwin, and Wanyu Li. *Counter Cyclical Payment Tool*, March 2003.
18. Schnitkey, Gary D., Dale H. Lattz, Scott H. Irwin, Joao Martines-Filho, Ping Li, and Lewis A. Hagedorn. *Illinois Average Price Received Database Tool*, March 2003.
19. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, and Wanyu Li. *2003 iFARM Crop Insurance Evaluator: Illinois*, February 2003.
20. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, George Patrick, and Wanyu Li. *2002 iFARM Crop Insurance Evaluator: Indiana*, February 2003.
21. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, William Edwards, and Wanyu Li. *2002 iFARM Crop Insurance Evaluator: Iowa*, February 2003.
22. Schnitkey, Gary D., Bruce J. Sherrick, Scott H. Irwin, and Wanyu Li. *2003 iFARM Crop Insurance Premium Calculator: North Central Region*, January 2003.
23. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin and Wanyu Li. *2002 iFARM Crop Insurance Evaluator: Illinois*, March 2002.
24. Schnitkey, Gary D., Bruce J. Sherrick, Scott H. Irwin, and Wanyu Li. *2002 iFARM Crop Insurance Premium Calculator: North Central Region*, February 2002.
25. Miranda, Mario, Gary Schnitkey, and Scott Irwin. *AgRisk 2001, Version 1.0*, November 2001.
26. Good, Darrel L., Scott H. Irwin, Joao Martines-Filho, and Wanyu Li. *Agricultural Supply and Demand Database Tool*, August 2001.
27. Good, Darrel L., Scott H. Irwin, Joao Martines-Filho, Wei Shi, and Wanyu Li. *Illinois Regional Cash Price Database Tool*, May 2001.
28. Good, Darrel L., Scott H. Irwin, Joao Martines-Filho, Wei Shi, and Wanyu Li. *Illinois Regional Basis Decision Tool*, May 2001.
29. Schnitkey, Gary D., Bruce J. Sherrick, Scott H. Irwin, and Wanyu Li. *Crop Insurance Premium Calculator for 2001 Illinois Crops*, March 2001.

30. Sherrick, Bruce J., Gary D. Schnitkey, Scott H. Irwin, and Wanyu Li. *Crop Insurance Evaluator for 2001 Illinois Crops*, March 2001.
31. Schnitkey, Gary, Mario Miranda, and Scott Irwin. *AgRisk, Version 1.01*, March 1999.
32. Schnitkey, Gary, Mario Miranda, and Scott Irwin. *AgRisk, Version 1.0*, December 1997.