

SERGIO H. LENCE**Office:** 368E Heady Hall, ISU

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E-mail: shlence@iastate.eduORCID ID: orcid.org/0000-0002-8296-3200Webpage: <http://www.econ.iastate.edu/faculty/lence/>**Home:** 4814 Idaho Circle

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EDUCATION

IOWA STATE UNIVERSITY (ISU), Ames, Iowa

Doctor of Philosophy

1989:8-1991:12

Major: **Agricultural Economics**

Minor: Statistics

GPA: 3.99/4.00

Dissertation: "Dynamic Firm Behavior under Uncertainty."

Advisor: Prof. Dermot J. Hayes

Master of Science

1986:8-1988:8

Major: **Agricultural Economics**

GPA: 4.00/4.00

Thesis: "Transfer Costs in Agricultural Trade: Implications for Empirical Research."

Advisor: Prof. William H. Meyers

UNIVERSIDAD DE BUENOS AIRES (UBA), Buenos Aires, Argentina

Agricultural Engineer (5-year degree)

1984:4-1985:8

Major: **Rural Economics****Agricultural Engineer** (5-year degree)

1979:4-1984:4

Major: **Agricultural Production**

Thesis: "Price Behavior in the Futures Market of Buenos Aires."

Advisor: Ing. Agr. Marcelo E. Regúnaga

EXPERIENCE**Professor**, Department of Economics, ISU

2003-Present

Marlin Cole Chair of International**Agricultural Economics**, ISU

2002-Present

Teaching Coordinator, Department of Economics, ISU

2018-Present

Director of Undergraduate Studies, Dept. Economics, ISU

2005-2018

• Teach undergraduate courses:

○ Econ 101L. Laboratory in Principles of Microeconomics. (Freshman level)

○ Econ 135. Agricultural Firms, Markets, and Prices. (Freshman level)

○ Econ 235. Introduction to Agricultural Markets. (Sophomore level)

- Econ 466. Introduction to Agricultural Finance. (Senior level)
- Econ 496. Travel Course - Comparative Marketing Analysis of Agricultural Products. Destinations: Argentina, Australia, France, and Spain. (Senior level)
- GLOBE 495. Global Resource Systems Study Abroad Course Preparation. (Senior level)
- GLOBE 497. Deans Global Ag and Food Leadership Program. Destination: Food and Agriculture Organization of the United Nations, Rome, Italy. (Senior level)
- Teach graduate courses:
 - Econ 536. Applied Agricultural Marketing. (MSc level)
 - Econ 566. Advanced Agricultural Finance. (MSc level)
 - Econ 653. Financial Economics. (PhD level)
- Perform research on agricultural finance and financial economics.
- Advise undergraduate and graduate students.
- Supervise research.
- Seek funding for research program.
- Coordinate Executive Programs: International Agribusiness School

Associate Professor, Department of Economics, ISU 1998-2003

Visiting Scientist, Food and Agriculture Organization of the United Nations, Rome, Italy 2000:7-2001:7

- Performed research on the impact of price insurance schemes, and on nutrition.

Assistant Professor, Department of Economics, ISU 1993-1998

Post-Doctoral Research Associate, Center for Agricultural and Rural Development (CARD), Department of Economics, ISU 1991-1993

- Performed research on trade, uncertainty, and financial instruments.
- Applied mathematical techniques, such as dynamic programming and Bayesian methods, for qualitative analysis.
- Used diverse statistical methods for quantitative analysis.

Instructor, Department of Economics, ISU 1991

- Taught course on demand, marketing and trade in the Agricultural Economics Graduate Training Project under the USAID/Ecuador Andean Peace Scholarship Program.

Professor, M.Sc. Program in Agricultural Economics
UBA-National Institute of Agricultural Technology, Argentina 1988

- Taught course on agricultural marketing and trade to graduate students.
- Performed research on Argentinean grain markets.

Research Assistant, CARD

Department of Economics, ISU 1986-1988, 1989-1991

- Performed research on marketing and trade.
- Used computers for model estimation.

Commodity Market Analyst, Argentine Grain Board

Buenos Aires, Argentina 1985-1986, 1988-1989

- Analyzed domestic and foreign grain markets.
- Estimated short- and medium-term supply and demand situation.
- Reported grain market developments daily and periodically.
- Presented seminars about grain marketing.

Teaching and Research Assistant, College of Agriculture

UBA, Argentina 1984-1986, 1988-1989

- Taught course on farm management to undergraduate (senior) students.
- Performed research on agricultural finance and marketing.

HONORS

- Awards
 - International Service Award, presented annually by ISU to recognize outstanding international service in terms of teaching, research, or administration, within the United States or abroad, 2019.
 - Best article in *Agricultural Economics*, presented annually by the *International Association of Agricultural Economists*, 2018.
 - James Huntington Ellis Award for Excellence in Undergraduate Introductory Teaching, presented annually by ISU to recognize outstanding performance in teaching undergraduate introductory classes, 2017.
 - Outstanding ERAE Journal Article Award, presented annually by the *European Association of Agricultural Economists*, 2016.
 - Exemplary Mentor, presented annually by ISU to recognize faculty members who have demonstrated exemplary mentoring of junior faculty, 2015-16.
 - Outstanding Achievement in International Agriculture Award, presented annually by the College of Agriculture and Life Sciences at ISU to recognize faculty for outstanding performance in promoting the globalization of research, extension, and teaching programs, 2009.
 - Team Award for “Iowa’s Land and Environment--Serving Competing Needs,” presented annually by the College of Agriculture at ISU to recognize a team of faculty/staff who have made a significant contribution to the missions of research, extension or teaching in the College of Agriculture at ISU, by using a collective approach to building programs to solve problems, 2000. (Co-Recipient)
 - Distinguished Group Extension Program Award for the “Managing Risks and Profits” Program, presented annually by the American Agricultural Economics Association to

- recognize achievement of excellence in extension economics teaching programs by a group, 2000. (Co-Recipient)
- Outstanding Young Alumnus, presented annually by the ISU Alumni Association to an ISU alumnus under 39 years of age and whose achievements in career, public service, or volunteer activities are worthy of recognition and have brought honor to ISU, 1999.
 - T.A. Bancroft Statistics Award, presented annually to the most outstanding Ph.D. candidate with a joint major or minor in Statistics, ISU, 1991.
 - Distinctions
 - Marlin Cole Chair of International Agricultural Economics, ISU, 2002-Present
 - Graduated with “All Honors and Distinctions,” ISU, 1991.
 - Graduated with “All Honors and Distinctions,” ISU, 1988.
 - Graduated with “Diploma de Honor,” UBA, 1984.
 - Honor Societies
 - “Gamma Sigma Delta,” Honor Society of Agriculture.
 - Honor Society “Phi Kappa Phi.”
 - Passed Preliminary Ph.D. Exam in Macroeconomics with Distinction.
 - M.Sc. Thesis selected to represent ISU in the annual contest of the American Agricultural Economics Association.
 - Scholarships: “Premium for Academic Excellence,” ISU, 1986/87 and 1987/88.
 - Undergraduate thesis graded with 10/10 points.
 - Ranked first in class of 1984 (UBA) among 190 graduates.

PAPERS PUBLISHED IN PEER REVIEW JOURNALS

Plastina, A.S., and **S.H. Lence**. 2019. “Theoretical Production Restrictions and Agricultural Technology in the United States.” *American Journal of Agricultural Economics* 101(3):849-869. DOI: 10.1093/ajae/aay106

Xi, W., D.J. Hayes, and **S.H. Lence**. 2019. “Variance Risk Premia for Agricultural Commodities.” *Agricultural Finance Review* 79(3):286-303. DOI: 10.1108/AFR-07-2018-0056.

Rosas, F., **S.H. Lence**, and D.J. Hayes. 2019. “Crop Yield Responses to Prices: A Bayesian Approach to Blend Experimental and Market Data.” *European Review of Agricultural Economics* 46(4):551-577. DOI: 10.1093/erae/jby032

Rosas, F., and **S.H. Lence**. 2019. “How Reliable is Duality Theory in Empirical Work?” *American Journal of Agricultural Economics* 101(3):825-848. DOI: 10.1093/ajae/aay071

Plastina, A.S., and **S.H. Lence**. 2018. “A Parametric Estimation of Total Factor Productivity and Its Components in U.S. Agriculture.” *American Journal of Agricultural Economics* 100(4):1091-1119. DOI: 10.1093/ajae/aay010

- Malone, R.W., J.F. Obrycki, D.L. Karlen, L. Ma, T.C. Kaspar, D.B. Jaynes, T.B. Parkin, **S.H. Lence**, G.W. Feyereisen, Q.X. Fang, T.L. Richard, and K. Gillette. 2018. "Harvesting Fertilized Rye Cover Crop: Simulated Revenue and Drainage N Loss." *Agricultural & Environmental Letters* 3:170041. DOI: 10.2134/ael2017.11.0041
- Lence, S. H.**, G. Moschini, and F. G. Santeramo. 2018. "Threshold Cointegration and Price Transmission when Expectations Matter." *Agricultural Economics* 49(1):25-39. DOI: 10.1111/agec.12393. Recipient of the 2018 Best Article in Agricultural Economics Award, presented by the International Association of Agricultural Economists.
- Singerman, A., **S.H. Lence**, and P. Useche. 2017. "Is Area-Wide Pest Management Useful? The Case of Citrus Greening." *Applied Economic Perspectives & Policy* 39(4):609-634. DOI: 10.1093/aep/px030
- Xiao, J., C.E. Hart, and **S.H. Lence**. 2017. "USDA Forecasts of Crop Ending Stocks: How Well Have They Performed?" *Applied Economic Perspectives & Policy* 39(2):220-241. Featured article. DOI: 10.1093/aep/px023
- Rosas, F., and **S.H. Lence**. 2017. "Duality Theory in Empirical Work, Revisited." *European Review of Agricultural Economics* 44(5):836-859. DOI: 10.1093/erae/jbx017
- Singerman, A., **S.H. Lence**, and P. Useche. 2017. "Uncertainty Undermines Area-Wide Pest Management for Citrus Greening in Florida." *Choices* 32(3):1-10.
- Smith, S., **S.H. Lence**, D.J. Hayes, J. Alston, and E. Corona. 2016. "Elements of Intellectual Property Protection in Plant Breeding and Biotechnology: Interactions and Outcomes." *Crop Science* 56:1-11. DOI: 10.2135/cropsci2015.10.0608
- Lence, S. H.** 2016. "Modeling the Market and Welfare Effects of Mexico's 'Agriculture by Contract' (A×C) Program." *American Journal of Agricultural Economics* 98(3):925-945. DOI: 10.1093/ajae/aav052
- Hart, C., **S.H. Lence**, D.J. Hayes, and N. Jin. 2016. "Price Mean Reversion, Seasonality, and Options Markets." *American Journal of Agricultural Economics* 98(3):707-725. DOI: 10.1093/ajae/aav045
- Lence, S. H.**, D. J. Hayes, J. M. Alston, and J. S. C. Smith. 2016. "Intellectual Property in Plant Breeding: Comparing Different Levels and Forms of Protection." *European Review of Agricultural Economics* 43(1):1-29. DOI: 10.1093/erae/jbv007. Lead article, editor's choice, recipient of the 2016 Outstanding ERAE Journal Article Award by the European Association of Agricultural Economists.
- Murguía, J.M., and **S.H. Lence**. 2015. "Investors' Reaction to Environmental Performance: A Global Perspective of the Newsweek's 'Green Rankings'." *Environmental and Resource Economics* 60:4(2015):583-60. DOI: 10.1007/s10640-014-9781-0

- Lence, S.H.** 2014. "Farmland Prices: Is this Time Different?" *Applied Economic Perspectives and Policy* 36(4):577-603. Featured article. DOI: 10.1093/aep/ppy027
- Singerman, A., **S.H. Lence**, and A. Kimble-Evans. 2014. "How Related Are the Prices of Organic and Conventional Corn and Soybean?" *Agribusiness: An International Journal* 30(3):309-330. DOI: 10.1002/agr.21364
- Lence, S.H.**, H.G. Ott, and C.E. Hart. 2013. "Long-Term Futures Curves and Seasonal Structures of Wheat in the European Union and the United States." *Journal of Futures Markets* 33(12):1118-1142. DOI: 10.1002/fut.21581
- Singerman, A., C. Hart and **S.H. Lence**. 2012. "Revenue Protection for Organic Producers: Too Much or Too Little?" *Journal of Agricultural and Resource Economics* 37(3):415-434.
- Mallory, M., and **S.H. Lence**. 2012. "Testing for Cointegration in the Presence of Moving Average Errors." *Journal of Time Series Econometrics* 4(2): Article 2. DOI: 10.1515/1941-1928.1124
- Jin, N., **S.H. Lence**, C. Hart, and D. Hayes. 2012. "The Term Structure of Long-Run Commodity Futures." *American Journal of Agricultural Economics* 94(3):718-735. DOI: 10.1093/ajae/aar137
- Herrman, P., **S.H. Lence**, and S. Agarwal. 2011. "Governance Mechanisms, Prior International Diversification and Organizational Inertia: A Longitudinal Test of Large United States Firms." *International Journal of Management* 28(4):106-118.
- Paulson, N.D., A.L. Katchova, and **S.H. Lence**. 2010. "An Empirical Analysis of the Determinants of Marketing Contract Structures for Corn and Soybeans." *Journal of Agricultural & Food Industrial Organization* 8, Issue 1, Article 4. DOI: 10.2202/1542-0485.1282.
- Lence, S. H.**, and D. J. Hayes. 2010. "Ethics, Welfare and Markets." *Southern Economic Journal* 76:1107-1130. DOI: 10.4284/sej.2010.76.4.1107
- Hayes, D. J., **S. H. Lence**, and S. Goggi. 2009. "Impact of Intellectual Property Rights in the Seed Sector on Crop Yield Growth and Social Welfare: A Case Study Approach." *AgBioForum* 12:155-171.
- Lence, S. H.** 2009. "Joint Estimation of Risk Preferences and Technology: Flexible Utility or Futility?" *American Journal of Agricultural Economics* 91:581-598. DOI: 10.1111/j.1467-8276.2009.01274.x
- Lence, S.H.** 2009. "Do Futures Benefit Farmers?" *American Journal of Agricultural Economics* 91(1):154-167. DOI: 10.1111/j.1467-8276.2008.01162.x

- Lence, S.H.**, and D.J. Hayes. 2008. "Welfare Impacts of Cross-Country Spillovers in Agricultural Research." *American Journal of Agricultural Economics* 90(1):197-215. DOI: 10.1111/j.1467-8276.2007.01047.x
- Lence, S. H.**, S. Marette, D. J. Hayes, and W. Foster. 2007. "Collective Marketing Arrangements for Geographically Differentiated Agricultural Products: Welfare Impacts and Policy Implications." *American Journal of Agricultural Economics* 89(4):947-963. DOI:10.1111/j.1467-8276.2007.01036.x
- Lence, S.H.** 2007. "The Transformation of Spain's Pork Sector: Can It Continue?" *Choices* 22:25-30.
- Lence, S.H.**, and D.J. Hayes. 2006. "EU and US Regulations for Handling and Transporting Genetically Modified Grains: Are Both Positions Correct?" *Eurochoices* 5:20-27. DOI: 10.1111/j.1746-692X.2006.00030.x
- Lence, S. H.**, and D. J. Hayes. 2005. "Genetically Modified Crops: Their Market and Welfare Impacts." *American Journal of Agricultural Economics* 87:931-950. DOI:10.1111/j.1467-8276.2005.00779.x
- Lence, S. H.**, D. J. Hayes, A. McCunn, S. Smith, and B. Niebur. 2005. "Welfare Impacts of Intellectual Property Protection in the Seed Industry." *American Journal of Agricultural Economics* 87(4):951-968. DOI:10.1111/j.1467-8276.2005.00780.x
- Mishra, A.K., and **S.H. Lence**. 2005. "Risk Management by Farmers, Agribusinesses, and Lenders." *Agricultural Finance Review* 65:131-148. DOI 10.1108/00214660580001169
- Hayes, D.J., **S.H. Lence**, and B. Babcock. 2005. "Geographic Indications and Farmer-Owned Brands: Why do the US and EU Disagree?" *EuroChoices* 4:28-35. DOI 10.1111/j.1746-692X.2005.00006.x
- Lence, S.H.**, and B. Falk. 2005. "Cointegration, Market Integration, and Market Efficiency." *Journal of International Money and Finance* 24:873-890. DOI 10.1016/j.jimonfin.2005.05.002
- Lence, S.H.**, and D.J. Hayes. 2005. "Technology Fees Versus GURTs in the Presence of Spillovers: World Welfare Impacts." *AgBioForum* 8:172-186.
- Hayes, D.J., **S.H. Lence**, and A. Stoppa. 2004. "Farmer-Owned Brands?" *Agribusiness: An International Journal* 20:269-285. DOI 10.1002/agr.20018
- Hart, C. E., and **S. H. Lence**. 2004. "Financial Constraints and Farm Investment: A Bayesian Examination." *Journal of Business and Economic Statistics* 22:51-63. DOI: 10.1198/073500103288619403

- Hayes, D.J., **S.H. Lence**, and C. Mason. 2003. "Could the Government Manage its Exposure to Crop Reinsurance Risk?" *Agricultural Finance Review* 63:127-142. DOI 10.1108/00215040380001145
- Lence, S.H.**, and D.J. Hayes. 2003. "Impact of Biotech Grains on Market Structure and Societal Welfare." *AgBioForum* 5:85-89.
- Mason, C., D.J. Hayes, and **S.H. Lence**. 2003. "Systemic Risk in U.S. Crop Reinsurance Programs." *Agricultural Finance Review* 63:23-39. DOI 10.1108/00214980380001139
- Hayes, D.J., and **S.H. Lence**. 2002. "A New Brand of Agriculture: Farmer-Owned Brands Reward Innovation." *Choices* 17:6-10.
- Lence, S.H.**, and D.J. Hayes. 2002. "U.S. Farm Policy and the Variability of Commodity Prices and Farm Revenues." *American Journal of Agricultural Economics* 84(2):335-351. DOI 10.1111/1467-8276.00301
- de Fontnouvelle, P., and **S.H. Lence**. 2002. "Transaction Costs and the Present Value 'Puzzle' of Farmland Prices." *Southern Economic Journal* 68(3):549-565. DOI: 10.2307/1061717
- Lence, S.H.** 2001. "Farmland Prices in the Presence of Transaction Costs: A Cautionary Note." *American Journal of Agricultural Economics* 83(4):985-992. DOI 10.1111/0002-9092.00224
- Lence, S.H.**, and M.L. Hayenga. 2001. "On the Pitfalls of Multi-Year Rollover Hedges: The Case of Hedge-to-Arrive Contracts." *American Journal of Agricultural Economics* 83(1):107-119. DOI 10.1111/0002-9092.00140
- Lence, S.H.** 2000. "Using Consumption and Asset Return Data to Estimate Farmers' Time Preferences and Risk Attitudes." *American Journal of Agricultural Economics* 82(4):934-947. DOI 10.1111/0002-9092.00092
- Jolly, R.W., and **S.H. Lence**. 2000. "Value-Added Land Values." *Choices* 15:18-23.
- Lence, S.H.**, and D.J. Miller. 1999. "Transaction Costs and the Present Value Model of Farmland: Iowa, 1900-1994." *American Journal of Agricultural Economics* 81(2):257-272. Lead article. DOI 10.2307/1244580
- Lence, S.H.**, M.L. Hayenga, and N.E. Harl. 1999. "The Failure of Multi-Year Hedge-to-Arrive Contracts." *Choices* 14:37-41.
- Blue, E.N., M.L. Hayenga, **S.H. Lence**, and E.D. Baldwin. 1999. "Futures Spread Risk in Soybean Multi-Year Hedge-to-Arrive Contracts." *Agribusiness: An International Journal* 14(6):467-474. DOI 10.1002/(SICI)1520-6297(199811/12)14:6<467::AID-AGR4>3.0.CO;2-D

- Lence, S.H.**, and D.J. Miller. 1998. "Recovering Output-Specific Inputs from Aggregate Input Data: A Generalized Cross Entropy Approach." *American Journal of Agricultural Economics* 80(4):852-867. DOI 10.2307/1244069
- Lence, S.H.**, and D.J. Miller. 1998. "Estimation of Multi-Output Production Functions with Incomplete Data: A Generalised Maximum Entropy Approach." *European Review of Agricultural Economics* 25(2):188-209. DOI 10.1093/erae/25.2.188
- Lence, S.H.**, and D.J. Hayes. 1998. "The Forward-Looking Competitive Firm under Uncertainty." *American Journal of Agricultural Economics* 80(2):303-312. DOI 10.2307/1244503
- Lence, S.H.**, and C. Hart. 1997. "Index Models and Land Allocation Reconsidered." *Canadian Journal of Agricultural Economics* 45(3):267-284. DOI 10.1111/j.1744-7976.1997.tb00208.x
- Lence, S.H.** 1997. "Recent Structural Changes in the Banking Industry, Their Causes and Effects: A Literature Survey." *Review of Agricultural Economics* 19(2):371-402. DOI: 10.2307/1349747
- Hayenga, M.L., B. Jiang, and **S.H. Lence**. 1996. "Improving Wholesale Beef and Pork Product Cross Hedging." *Agribusiness: An International Journal* 12(6):541-559. DOI 10.1002/(SICI)1520-6297(199611/12)12:6<541::AID-AGR4>3.0.CO;2-3
- Lence, S.H.**, M.L. Hayenga, and M.D. Patterson. 1996. "Storage Profitability and Hedge Ratio Estimation." *Journal of Futures Markets* 16(6):655-676. DOI 10.1002/(SICI)1096-9934(199609)16:6<655::AID-FUT3>3.0.CO;2-E
- Lence, S.H.** 1996. "Relaxing the Assumptions of Minimum-Variance Hedging." *Journal of Agricultural and Resource Economics* 21(1):39-55.
- Lence, S.H.**, and D.J. Hayes. 1995. "Optimal Hedging under Forward-Looking Behaviour." *Economic Record* 71(4):329-342. DOI 10.1111/j.1475-4932.1995.tb02678.x
- Lence, S.H.**, D.J. Hayes, and W.H. Meyers. 1995. "The Behavior of Forward-Looking Firms In the Very Short Run." *American Journal of Agricultural Economics* 77(4):922-934. DOI 10.2307/1243815
- Lence, S.H.**, and D.J. Hayes. 1995. "Land Allocation in the Presence of Estimation Risk." *Journal of Agricultural and Resource Economics* 20(1):49-63.
- Lence, S.H.** 1995. "The Economic Value of Minimum-Variance Hedges." *American Journal of Agricultural Economics* 77(2):353-364. DOI 10.2307/1243545
- Lence, S.H.** 1995. "On the Optimal Hedge under Unbiased Futures Prices." *Economics Letters* 47:385-388. DOI 10.1016/0165-1765(94)00575-M

- Lence, S.H.**, and B.A. Babcock. 1995. "Flexibility, Endogenous Risk, and the Protection Premium." *Theory and Decision* 38:29-50. DOI 10.1007/BF01083167
- Lence, S.H.**, S. Yong, and D.J. Hayes. 1994. "Multiperiod Production with Forward and Options Markets." *American Journal of Agricultural Economics* 76(2):286-295. DOI 10.2307/1243630
- Lence, S.H.**, and D.J. Hayes. 1994. "Parameter-Based Decision Making under Estimation Risk: An Application to Futures Trading." *Journal of Finance* 49:345-357. DOI 10.1111/j.1540-6261.1994.tb04434.x
- Lence, S.H.**, and D.J. Hayes. 1994. "The Empirical Minimum Variance Hedge." *American Journal of Agricultural Economics* 76(1):94-104. DOI 10.2307/1243924
- Lence, S.H.**, K.L. Kimle, and M.L. Hayenga. 1993. "A Dynamic Minimum Variance Hedge." *American Journal of Agricultural Economics* 75(4):1063-1071. DOI 10.2307/1243994
- Lence, S.H.**, D.J. Hayes, and W.H. Meyers. 1992. "Futures Markets and Marketing Firms: The U.S. Soybean-Processing Industry." *American Journal of Agricultural Economics* 74(3):716-725. DOI 10.2307/1242585

COMMENTS AND REPLIES PUBLISHED IN PEER REVIEW JOURNALS

- Lence, S.H. 2002. "Farmland Prices in the Presence of Transaction Costs: Reply." *American Journal of Agricultural Economics* 84:530-531.

BOOK CHAPTERS

- Lence, S.H. 2010. "The Agricultural Sector in Argentina: Major Trends and Recent Developments." In Alston, J.M., B. Babcock, and P.G. Pardey, eds. *The Shifting Patterns of Agricultural Production and Productivity Worldwide*, Chapter 14. CARD-MATRIC Electronic Book. Ames, IA: Center for Agricultural and Rural Development. Available at http://www.matric.iastate.edu/shifting_patterns/
- Lence, S.H., and E. Luvaga. 2006. "A Comparative Economic Analysis of the Swine Sector in the U.S. and Spain." In Estany, J., ed., *Agriculture and Agri-Food Production in Perspective: Profile of the Sector in Catalonia*, Chapter 10. Lleida, Spain: Ediciones de la Universidad de Lleida. ISBN- 84-8409-207-0.
- Luvaga, E., and S.H. Lence. 2006. "Historical Contexts and Comparisons of Agricultural Policies in the United States and the European Union." In Estany, J., ed., *Agriculture and Agri-Food Production in Perspective: Profile of the Sector in Catalonia*, Chapter 4. Lleida, Spain: Ediciones de la Universidad de Lleida. ISBN- 84-8409-207-0.

Lence, S.H. 2003. "Using Threshold Autoregressions to Model Farmland Prices Under Transaction Costs and Variable Discount Rates." In Moss, C.B., and A. Schmitz, editors, *Government Policy and Farmland Markets: The Maintenance of Farmer Wealth*, Chapter 15, pp. 265-282. Ames, IA: Iowa State University Press.

INVITED PAPERS

Lence, S.H., and A.K. Mishra. 2003. "The Impacts of Different Farm Programs on Cash Rents." *Proceedings of the Allied Social Sciences Meeting*. Washington, D.C., January 3-5, 2003. *American Journal of Agricultural Economics* 85:753-761.

Lence, S.H. "Discussion Opener - Household Expenditure Survey Methods." *Proceedings of the International Scientific Symposium on Measurement and Assessment of Food Deprivation and Under-Nutrition, Food and Agriculture Organization of the United Nations, Rome, Italy, June 26-28, 2002*. Food and Agriculture Organization of the United Nations, Rome, Italy, 2003, pp. 91-95.

PAPERS PUBLISHED IN PROCEEDINGS

Jin, N., S.H. Lence, C. Hart, and D. Hayes. "Price Mean Reversion and Seasonality in Agricultural Commodity Markets." In *Proceedings of the NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Saint Louis, MO. April 19-20, 2010. Available at http://www.farmdoc.illinois.edu/nccc134/conf_2010/pdf/confp14-10.pdf

Hart, C., and S.H. Lence. "A Bayesian Examination of Financial Constraints and Farm Investment." In *Proceedings of the Annual Meeting of the NC-221 Committee on Financing Agriculture and Rural America: Issues of Policy, Structure, and Technical Change*, Denver, CO, October 7-8, 2002. South Dakota State University, Department of Economics, Econ Pamphlet 2003-1, June 2003, pp. 203-215.

Lence, S.H. "Are Household Survey Data Reliable to Assess Food Insecurity?" *Proceedings of the International Conference on Agricultural Policies and Development Strategies – Food Security and Agricultural Marketing*, National Taiwan University, Taipei, Taiwan, September 3-4, 2002.

Lence, S.H., and D.J. Hayes. "Pricing Long-Term Options on Markets with Mean Reversion." In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Saint Louis, MO, April 22-23, 2002. <http://www.agebb.missouri.edu/ncrext/ncr134/>

Mason, C., D.J. Hayes, and S.H. Lence. "Systemic Risk in U.S. Crop and Revenue Insurance Programs." In *Proceedings of Regional Committee NC-221 on Financing Agriculture*

and Rural America: Issues of Policy, Structure and Technical Change. McLean, Virginia, October 1-2, 2001.

- Lence, S.H., and D.J. Hayes. "Response to an Asymmetric Demand for Attributes: An Application to the Market for Genetically Modified Crops." In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Saint Louis, MO, April 23-24, 2001.
<http://www.agebb.missouri.edu/ncrext/ncr134/>
- Lence, S.H., and D.J. Hayes. "U.S. Farm Policy and the Variability of Commodity Prices and Farm Revenues." In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 17-18, 2000.
<http://www.agebb.missouri.edu/ncrext/ncr134/>
- Lence, S.H. "Experimental Evidence on the 'Credit Rationing' Theory." In *Proceedings of the 46th Agricultural Finance Conference: The Changing Nature of Agricultural Risks*. Mississauga, Ontario, Canada, October 4-6, 1999. University of Guelph, Canada, Department of Agricultural Economics and Business, 1999, pp. 121-155.
- Hart, C, and S.H. Lence. "A Bayesian Examination of Agricultural Investment." In *Proceedings of the 46th Agricultural Finance Conference: The Changing Nature of Agricultural Risks*. Mississauga, Ontario, Canada, October 4-6, 1999. University of Guelph, Canada, Department of Agricultural Economics and Business, 1999, pp. 1-28.
- Blue, E.N., M.L. Hayenga, S.H. Lence, and E.D. Baldwin. "Futures Spread Risk in Soybean Hedge-to-Arrive Contracts." In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 20-21, 1998, pp. 25-33.
- Lence, S.H. "Investment and Credit in U.S. Agriculture: A Framework for Empirical Analysis." In *Proceedings of Regional Committee NCT-173 on Financing Agriculture and Rural America: Issues of Policy, Structure and Technical Change*, Denver, CO, October 6-7, 1997. University of Arkansas at Fayetteville, Department of Agricultural Economics and Agribusiness, Staff Paper 0498, 1998, pp. 66-81.
- Lence, S.H., and D.J. Miller. "Structural Change, Transaction Costs, and the Present Value Model of Farmland: Iowa, 1900-1994." In *Proceedings of Regional Committee NCT-173 on Financing Agriculture and Rural America: Issues of Policy, Structure and Technical Change*, Denver, CO, October 6-7, 1997. University of Arkansas at Fayetteville, Department of Agricultural Economics and Agribusiness, Staff Paper 0498, 1998, pp. 276-303.
- Lence, S.H. "Recent Changes in the Structure of the Banking Industry: Causes, Effects, and Topics for Research." In *Proceedings of Regional Committee NC-207 on Regulatory, Efficiency, and Management Issues Affecting Rural Financial Markets*, New York, NY,

September 8-9, 1996. University of Illinois at Urbana-Champaign, Department of Agricultural and Consumer Economics, Staff Paper ACE 97-02, 1997, pp. 79-109.

Lence, S.H., and D.J. Miller “Estimation of Multi-Output Production Functions without Activity-Specific Input Data.” In *American Statistical Association 1996 Proceedings of the Section on Bayesian Statistical Science*, International Society for Bayesian Analysis 1996 North American Meeting, Chicago, IL, August 2-3, 1996, pp. 260-265.

Lee, K.R., M.L. Hayenga, and S.H. Lence. “The Hedging Effectiveness of Rough Rice Futures.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 24-25, 1995, pp. 358-368.

Lence, S.H. “How Robust Are Minimum-Variance-Hedge Recommendations?” In *CBOT Research Symposium Proceedings: Proceedings of the Annual Fall Research Seminar*, Chicago, IL, December 5-6, 1994, pp. 45-76.

Hayenga, M.L., B. Jiang, J.H. Kweon, and S.H. Lence. “Cross Hedging Wholesale Beef and Pork Products.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 18-19, 1994, pp. 269-283.

Patterson, M.D., M.L. Hayenga, and S.H. Lence. “Hedge Ratio Estimation and Soybean Storage.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 18-19, 1994, pp. 314-328.

Lence, S.H. “The Market Efficiency of Options on Corn Futures.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 19-20, 1993, pp. 101-116.

Lence, S.H., and D.J. Hayes. “Optimal Hedging in the Presence of Estimation Risk.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 20-21, 1992, pp. 32-46.

Lence, S.H., K.L. Kimle, and M.L. Hayenga. “A Dynamic Minimum Variance Hedge.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 20-21, 1992, pp. 129-143.

Lence, S.H., D.J. Hayes, and W.H. Meyers. “The Impact of Futures Markets on U.S. Soybean Processors.” In *Proceedings of the NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Chicago, IL, April 22-23, 1991, pp. 62-76.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS NOT PUBLISHED IN PROCEEDINGS

- Plastina, A., S.H. Lence, and A. Ortiz Bobea. “Decomposing U.S. Agricultural Productivity into Weather Shocks, Technical Change, Scale Effects, Input Price Effects, and Cost Efficiency.” At the *Agricultural & Applied Economics Association’s 2019 Annual Meeting*. Atlanta, GA, July 21-23, 2019.
- Plastina, A. and S.H. Lence. “Drivers of Technical Change, Efficiency, Price- and Scale-effects in U.S. Agricultural Productivity.” NC-1034 ICABR Pre-Conference: World Bank, Washington DC |June 12-15, 2018.
- Zhang, W., S.H. Lence, and T. Kuethe. “Do Agricultural Professionals Self-Correct in Expert Opinion Surveys? Panel Data Evidence from Iowa.” At the *Annual Meeting of the NC-1177 Committee on Agricultural and Rural Finance Markets in Transition*. Minneapolis, MN, October 2-3, 2017.
- Singerman, A., S.H. Lence, and P. Useche. “Is Area-wide Pest Management Useful? The Case of Citrus Greening.” At the *Agricultural Economics Society Annual Meeting*. Dublin, Ireland, April 24-26, 2017.
- Singerman, A., S.H. Lence, and P. Useche. “Is Area-wide Pest Management Useful Against HLB? Evidence From Florida.” At the *International Research Conference on HLB*. Orlando, FL. March 16, 2017.
- Singerman, A., S.H. Lence, and P. Useche. “Is Area-wide Pest Management Useful? The Case of Citrus Greening.” At the *Australian Agricultural Resource Economics Society Annual Meeting*. Brisbane, Australia, February 10, 2017.
- Lence, S.H., C.E. Hart, and D.J. Hayes. “Multiyear Insurance: A New Tool to Manage Longer-Term Risks in U.S. Agriculture.” At the *Annual Meeting of the NC-1177 Committee on Agricultural and Rural Finance Markets in Transition*. Denver, CO, October 3-4, 2016.
- Singerman, A. and S.H. Lence. 2016. “Worldwide Market and Welfare Impacts from Introducing GM Oranges to Manage HLB.” At the *International Citrus Congress*, Foz do Iguacu, Brasil, September 19, 2016.
- Rosas, F., and S.H. Lence. “How Reliable is Duality Theory in Empirical Work?” At the *Agricultural & Applied Economics Association’s 2016 Annual Meeting*. Boston, MA, July 31-August 2, 2016.
- Plastina, A., and S.H. Lence. “Measuring U.S. Agriculture Productivity: Primal vs. Dual Approaches.” At the *Agricultural & Applied Economics Association’s 2016 Annual Meeting*. Boston, MA, July 31-August 2, 2016.

- Singerman, A., and S.H. Lence. "A Market and Welfare Analysis of the Introduction of GM Oranges in the U.S." At the *Agricultural & Applied Economics Association's 2016 Annual Meeting*. Boston, MA, July 31-August 2, 2016.
- Singerman, A., and S.H. Lence. "Worldwide Market and Welfare Impacts From Introducing GM Oranges to Manage Citrus Greening." At the *Agricultural & Applied Economics Association's 2016 Annual Meeting*. Boston, MA, July 31-August 2, 2016.
- Plastina, A., and S.H. Lence. "Effects of Restrictions on Estimates of Technical Change in U.S. Agriculture." At the *Annual Conference of Multi-State Research Project NC 1034 on Impact Analyses and Decision Strategies for Agricultural Research*. Tampa, FL, February 26-27, 2106.
- Xiao, J., S.H. Lence, and C. Hart. "Do Analysts Forecast the Ending stocks or the USDA Forecasts?" At the *Agricultural & Applied Economics Association's 2015 Annual Meeting*. San Francisco, CA, July 26-28, 2015.
- Rosas, F., and S.H. Lence. "Duality Theory Econometrics: How Reliable Is It with Real-World Data?" At the *Agricultural & Applied Economics Association's 2015 Annual Meeting*. San Francisco, CA, July 26-28, 2015.
- Xiao, J., S.H. Lence, and C. Hart. "USDA and Private Analysts' Forecasts of Ending Stocks: How Good Are They?" At the *Agricultural & Applied Economics Association's 2014 Annual Meeting*. Minneapolis, MN, July 27-29, 2014.
- Lence, S.H. "Agricultural Price Risk Management: Lessons from Mexico's Farm Programs." At the *Annual Meeting of the NC-1177 Committee on Agricultural and Rural Finance Markets in Transition*. Kansas City, MO, October 10-11, 2013.
- Lence, S.H. "Farmland Prices, Rents, and Discount Rates: A Historical Analysis." At the *Annual Meeting of the NC-1177 Committee on Agricultural and Rural Finance Markets in Transition*. Washington D.C., October 25-26, 2012.
- Singerman, A., C. Hart and S.H. Lence. "Revenue Protection for Organic Producers: Too Much or Too Little." At the *Agricultural & Applied Economics Association's 2012 Annual Meeting*. Seattle, WA, August 12-14, 2012.
- Murguia, J.M., and S.H. Lence. "Newsweek Global 100 Green Rankings Affected Stock Prices Worldwide" At the *Annual Meeting of the Midwest Economics Association*. Evanston, IL, March 30-April 1, 2012.
- Lence, S.H., S. Goggi, and D.J. Hayes. "Impact of Plant Patents and Plant Variety Protection on the Incentive to Introduce Novel Germplasm into the Corn Genome." At the *15th Edition of the International Consortium of Applied Bioeconomy Research (ICABR) Conference on "Sustainability and the Bioeconomy."* Frascati, Rome, Italy, June 26-29, 2011.

- Kauffman, N.S., D.J. Hayes, and S.H. Lence. "The Impact of Price-Induced Hedging Behavior on Commodity Market Volatility." At the *Annual Meeting of the NC-1177 Committee on Agricultural and Rural Finance Markets in Transition*. Denver, CO, October 3-4, 2011.
- Kauffman, N.S., D.J. Hayes, and S.H. Lence. "The Impact of Price-Induced Hedging Behavior on Commodity Market Volatility." At the *Agricultural & Applied Economics Association's 2011 AAEA & NAREA Joint Annual Meeting*. Pittsburgh, PA, July 24-26, 2011.
- Rosas, F., and S.H. Lence. "Does Duality Theory Hold in Practice? A Monte Carlo Analysis for U.S. Agriculture." At the *Agricultural & Applied Economics Association's 2011 AAEA & NAREA Joint Annual Meeting*. Pittsburgh, PA, July 24-26, 2011.
- Lence, S.H., and N. Paulson. "Cash Rents and Farm Profits in the Short- and the Long-Runs." At the *Annual Meeting of the NC-1177 Committee on Agricultural and Rural Finance Markets in Transition*. Kansas City, MO, September 30 to October 1, 2010.
- Mallory, M.L., and S.H. Lence. "Cointegration Analysis of Commodity Prices: Much Ado About the Wrong Thing?" At the *Annual Meeting of the Agricultural and Applied Economics Association*. Denver, CO, July 25-27, 2010. Available at http://ageconsearch.umn.edu/bitstream/61721/2/Cointegration_MalloryLence_5.3.pdf
- Singerman, A., C. Hart, and S.H. Lence. "Crop Insurance Demand for Organic Corn and Soybean Farmers in Three Major Producing States." At the *Annual Meeting of the Agricultural and Applied Economics Association*. Denver, CO, July 25-27, 2010. Available at http://ageconsearch.umn.edu/bitstream/60935/2/AAEA_2010_meeting_Selecter_paper_10353a.pdf
- Lence, S.H., and A.K. Mishra. "Land Rental Arrangements in U.S. Agriculture: Evidence from a National Survey." At the *Annual Meeting of the NC-1014 Committee on Agricultural and Rural Finance Markets in Transition*, Chicago, IL, October 1-2, 2009.
- Lence, S.H. "How Much Can We Learn About Producers' Utility Function From Their Production Data?" At the *Annual Meeting of the NC-1014 Committee on Agricultural and Rural Finance Markets in Transition*, Kansas City, MO, September 25-26, 2008.
- Paulson, N., A. Katchova, and S.H. Lence. "An Empirical Analysis of the Determinants of Marketing Contract Structures." At the *Annual Meeting of the Agricultural and Applied Economics Association*. Orlando, FL, July 27-29, 2008.
- Mishra, A., and S.H. Lence. "An Empirical Investigation of Farm Loan Determinants." At the *Annual Meeting of the NC-1014 Committee on Agricultural and Rural Finance Markets in Transition*, Saint Louis, MO, October 4-5, 2007.
- Lence, S.H., J. Wu, and J. Lawrence. "An Economic Evaluation of Forecasts of Relevance to Agribusinesses and Agricultural Lenders." At the *Annual Meeting of the NC-1014*

Committee on Agricultural and Rural Finance Markets in Transition, Saint Louis, MO, October 4-5, 2007.

Lence, S.H. "Joint Estimation of Risk Preferences and Technology: Flexible Utility or Futility?" At the *Annual Meeting of the American Agricultural Economics Association*. Portland, OR, July 29-August 1, 2007.

Wu, J., and S.H. Lence. "Do CEO Stock Options Encourage Risk-Taking?" At the *Annual Meeting of the Financial Management Association International*, Salt Lake City, Utah, October 11-14, 2006.

Lence, S.H., and D.J. Hayes. "Welfare Impacts of Cross-Country Spillovers in Agricultural Research." At the "IPRs and the Plant Breeding Industry: Policy and Methodological Issues" Symposium of the 26th *Conference of the International Association of Agricultural Economists*. Broadbeach, Queensland, Australia, August 12-18, 2006.

Mishra, A.K., and S.H. Lence. "Risk Management by Farmers, Agribusinesses, and Lenders." At the "Agricultural and Rural Finance Markets in Transition" Pre-Conference Workshop of the *Annual Meeting of the American Agricultural Economics Association*. Providence, RI, July 23, 2005.

Lence, S.H., C. Hart, and D.J. Hayes. "Crop Insurance and the Pricing of Geographic Diversification." In *Proceedings of the Annual Meeting of the NC-1014 Committee on Agricultural and Rural Finance Markets in Transition*, Chicago, IL, October 4-5, 2004.

Herrmann, P., S.H. Lence, and S. Agarwal. "The Role of Governance Mechanisms and Organizational Inertia on International Diversification." At the *Annual Conference of the Academy of Management*. New Orleans, LA, August 6-11, 2004.

Lence, S.H. "How Large is the Competitive Edge that U.S.-Based Futures Provide to U.S. Farmers?" At the *Annual Meeting of the American Agricultural Economics Association*. Denver, CO, August 1-4, 2004.

Lence, S.H., and D.J. Hayes. "Welfare Impacts of Cross-Country Research Spillovers." At the Eighth International Conference convened by ICABR (International Consortium on Agricultural Biotechnology Research) on "Agricultural Biotechnology: International Trade and Domestic Production." Ravello, Italy, July 8-11, 2004.

Lence, S.H. "Do U.S.-Based Futures Provide a Competitive Edge to U.S. Farmers?" At the *Annual Meeting of Regional Committee NCT-194 on Financing Agriculture and Rural America: Issues of Policy, Structure and Technical Change*. Kansas City, MO, October 6-7, 2003.

Lence, S.H., D.J. Hayes, A. McCunn, S. Smith, and B. Niebur. "Welfare Impacts of Property Rights in the Seed Industry." At the *Annual Meeting of the American Agricultural Economics Association*. Montreal, Canada, July 27-30, 2003.

- Lence, S.H., and D.J. Hayes. "Using Futures to Test for Unit Roots in the Underlying Spot Prices." At the *NCR-134 Conference: Applied Commodity Price Analysis, Forecasting, and Market Risk Management*, Saint Louis, MO, April 21-22, 2003.
- Lence, S.H. "Do Futures Benefit Farmers Who Adopt Them?" At the *Annual Meeting of the American Agricultural Economics Association*. Long Beach, CA, July 28-31, 2002.
- Lence, S.H., D.J. Hayes, D. Ripplinger, A. McCunn, S. Smith, and W. Niebur. "Welfare Impacts of Property Rights in the Corn and Soybean Seed Industry." At the Sixth International Conference convened by ICABR on "Agricultural Biotechnologies: New Avenues for Production, Consumption and Technology Transfer." Ravello, Italy, July 11-14, 2002.
- Lence, S.H., and D.J. Hayes. "Response to an Asymmetric Demand for Attributes: An Application to the Market for Genetically Modified Crops." At the 5th International Conference convened by ICABR on "Biotechnology, Science and Modern Agriculture: A New Industry at the Dawn of the Century." Ravello, Italy, June 15-18, 2001.
- Lence, S.H., and M.L. Hayenga. "On the Failure of Hedge-to-Arrive Contracts: A Case Study in Price Analysis." At the Annual Meeting of the American Agricultural Economics Association. Salt Lake City, UT, August 2-5, 1998. Abstract published in the *American Journal of Agricultural Economics* 80(1998):1190.
- Lence, S.H. "Using Threshold Autoregressions to Model Asset Pricing Under Transaction Costs: Iowa Farmland, 1900-1994." At the Annual Meeting of the American Agricultural Economics Association. Toronto, Ontario, July 27-30, 1997. Abstract published in the *American Journal of Agricultural Economics* 79(December 1997):1705.
- Lence, S.H. "When Should Minimum-Variance Hedge Recommendations Be Followed?" At the Annual Meeting of the American Agricultural Economics Association. San Antonio, TX, July 28-31, 1996. Abstract published in the *American Journal of Agricultural Economics* 78(December 1996):1404.
- Lence, S.H., and D.J. Hayes. "An Empirical Comparison of Alternative Land Allocations in the Presence of Estimation Risk." At the Annual Meeting of the American Agricultural Economics Association. Indianapolis, IN, August 6-9, 1995. Abstract published in the *American Journal of Agricultural Economics* 77(December 1995):1385.
- Lence, S.H. "On the Value of More Accurate Estimates of Minimum-Variance Hedge Ratios." At the Annual Meeting of the American Agricultural Economics Association. San Diego, CA, August 7-10, 1994. Abstract published in the *American Journal of Agricultural Economics* 76(December 1994):1266.
- Lence, S.H., and D.J. Hayes. "Estimation Risk, Certainty Equivalent Returns, and the Value of Additional Sample Information." At the Annual Meeting of the American Agricultural

Economics Association. Orlando, FL, August 1-4, 1993. Abstract published in the *American Journal of Agricultural Economics* 75(December 1993):1309.

Lence, S.H., and D.J. Hayes. "The Empirical Minimum Variance Hedge." At the Annual Meeting of the American Agricultural Economics Association. Baltimore, MD, August 9-12, 1992. Abstract published in the *American Journal of Agricultural Economics* 74(December 1992):1289.

Lence, S.H., D.J. Hayes, and W.H. Meyers. "The Short-Run Behavior of Forward-Looking Firms." At the Annual Meeting of the Southern Agricultural Economics Association. Lexington, KY, February 2-5, 1992. Abstract published in the *Southern Journal of Agricultural Economics* 24(1992):297.

POSTERS PRESENTED AT PROFESSIONAL MEETINGS

Rosas, F., and S.H. Lence. "Duality Theory in Empirical Work: Evaluating the Performance of an Alternative Method." At the *Agricultural & Applied Economics Association's 2019 Annual Meeting*. Atlanta, GA, July 21-23, 2019.

Rosas, F., and S.H. Lence. "Assessing the Performance of an Alternative to the Dual Approach in Empirical Analysis." At the *Agricultural & Applied Economics Association's 2017 Annual Meeting*. Chicago, IL, July 30-August 1, 2017.

Plastina, A., and S.H. Lence. "Effects of Joint Primal-Dual Estimation and Concavity Restrictions on Parameter Estimates of U.S. Agricultural Production." At the *Agricultural & Applied Economics Association's 2015 Annual Meeting*. San Francisco, CA, July 26-28, 2015.

Murguia, J.M., and S.H. Lence. "Are American Stocks Greener than European? Evidence from Newsweek's Global 100 Ranking." At the *2nd Annual Summer Conference of the Association of Environmental and Resource Economists*. Asheville, NC, June 3-5, 2012.

Murguia, J.M., and S. H. Lence. "The Effect of Environmental Rankings on Stock Prices: The Case of the Newsweek Global 100 Rankings." At the *Inaugural Summer Conference of the Association of Environmental and Resource Economists*. Seattle, WA, June 9-10, 2011.

Jin, N., Lence, S.H., C. Hart, and D.J. Hayes. "Option Pricing on Renewable Commodity Markets." At the *Annual Meeting of the Agricultural and Applied Economics Association*. Denver, CO, July 25-27, 2010. Available at <http://ageconsearch.umn.edu/bitstream/60955/2/10618.pdf>

Singerman, A., and S.H. Lence. "How Closely Related Are the Prices of Organic and Conventional Corn?" At the *Annual Meeting of the Agricultural and Applied Economics*

Association. Denver, CO, July 25-27, 2010. Available at http://ageconsearch.umn.edu/bitstream/61151/2/poster_10383.pdf

Lence, S.H., C. Hart, and D.J. Hayes. "An Econometric Analysis of the Structure of Commodity Futures Prices." At the *Annual Meeting of the Agricultural and Applied Economics Association*. Milwaukee, WI, July 26-28, 2009.

WORKING PAPERS

Murguía, J.M., K.W. Hossiso, and S.H. Lence. "Rural Land Titling and Property Rights: Does Legislating Smallholdings as a Non-Seizable Family Asset Improve Smallholder Family Farmers' Welfare?" IDB Working Paper Series N° 00920 (July 2018). Inter-American Development Bank. DOI: <http://dx.doi.org/10.18235/0001296>

Singerman, A., C.E. Hart, and S.H. Lence. "Price Analysis, Risk Assessment, and Insurance for Organic Crops." Center for Agricultural and Rural Development (CARD) Policy Brief 11-PB 6 (August 2011), Iowa State University, Ames, Iowa. Available at <http://www.card.iastate.edu/publications/DBS/PDFFiles/11pb6.pdf>

Singerman, A., C.E. Hart, and S.H. Lence. "Revenue Protection for Organic Producers: Too Much or Too Little." Department of Economics, Working Paper No. 11012 (June 2011), Iowa State University, Ames, Iowa. Available at <http://www.econ.iastate.edu/sites/default/files/publications/papers/p13912-2011-06-22.pdf>.

Singerman, A., S.H. Lence, and A. Kimble-Evans. "Organic Crop Prices, or 2× Conventional Ones?" Department of Economics, Working Paper No. 10008 (September 2010), Iowa State University, Ames, Iowa. Available at <http://www.econ.iastate.edu/sites/default/files/publications/papers/p11544-2010-09-09.pdf>.

Singerman, A., C.E. Hart, and S.H. Lence. "Demand for Crop Insurance by Organic Corn and Soybean Farmers in Three Major Producing States." Department of Economics, Working Paper No. 10007 (May 2010), Iowa State University, Ames, Iowa. Available at <http://www.econ.iastate.edu/sites/default/files/publications/papers/p11528-2010-05-23.pdf>.

Lence, S.H., and D.J. Hayes. "Welfare Impacts of Cross-Country Spillovers in Agricultural Research." Center for Agricultural and Rural Development (CARD) Working Paper 07-WP 446 (April 2007), Iowa State University, Ames, Iowa.

Lence, S.H., S. Marette, D.J. Hayes, and W. Foster. "Collective Marketing Arrangements for Geographically Differentiated Agricultural Products: Welfare Impacts and Policy Implications." Midwest Agribusiness Trade Research and Information Center (MATRIC) Working Paper 06-MWP 9 (May 2006), Iowa State University, Ames, Iowa.

- Lence, S.H. "What Can the United States Learn from Spain's Pork Sector? Implications from a Comparative Economic Analysis." MATRIC Research Paper #05-MRP 12, September 1, 2005. Center for Agricultural and Rural Development (CARD), Iowa State University, Ames, Iowa.
- Hayes, D.J., S.H. Lence, and A. Stoppa. "Farmer-Owned Brands?" Center for Agricultural and Rural Development (CARD) Briefing Paper 02-BP 39 (March 2003), Iowa State University, Ames, Iowa.
- Lence, S.H., and S. Agarwal. "Assessing the Feasibility of Processing and Marketing Niche Soy Oil." Midwest Agribusiness Trade Research and Information Center (MATRIC) Research Paper 03-MRP 6 (February 2003), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "Option Pricing on Renewable Commodity Markets." Center for Agricultural and Rural Development (CARD) Working Paper 02-WP 309 (July 2002), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "Response to an Asymmetric Demand for Attributes: An Application to the Market for Genetically Modified Crops." Center for Agricultural and Rural Development (CARD) Working Paper 01-MWP 05 (November 2001), Iowa State University, Ames, Iowa.
- Mason, C., D.J. Hayes, and S.H. Lence. "Systemic Risk in U.S. Crop and Revenue Insurance Programs." Center for Agricultural and Rural Development (CARD) Working Paper 01-WP 266 (March 2001), Iowa State University, Ames, Iowa.
- Lence, S.H. "A Comparative Marketing Analysis of Major Agricultural Products in the United States and Argentina." Midwest Agribusiness Trade Research and Information Center (MATRIC) Research Paper 00-MRP 2 (August 2000), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "U.S. Farm Policy and the Variability of Commodity Prices and Farm Revenues." Center for Agricultural and Rural Development (CARD) Working Paper 00-WP 239 (March 2000), Iowa State University, Ames, Iowa.
- Miranowski, J.A., G. Moschini, B. Babcock, M. Duffy, R. Wisner, J. Beghin, D. Hayes, S. Lence, C.P. Baumel, and N.E. Harl. "Economic Perspectives on GMO Market Segregation." Department of Economics, Staff Papers series #298 (1999), Iowa State University, Ames, Iowa.
- Lence, S.H. "Argentine Agriculture under GATT." Center for Agricultural and Rural Development (CARD) GATT Research Paper 94-GATT 4 (February 1994), Iowa State University, Ames, Iowa.

- Lence, S.H., S. Yong, and D.J. Hayes. "Multiperiod Production with Forward and Options Markets." Center for Agricultural and Rural Development (CARD) Working Paper 93-WP 112 (August 1993), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "The Forward-Looking Competitive Firm Under Uncertainty." Center for Agricultural and Rural Development (CARD) Working Paper 93-WP 111 (June 1993), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "The Empirical Minimum Variance Hedge." Center for Agricultural and Rural Development (CARD) Working Paper 93-WP 109 (June 1993), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "Optimal Hedging under Forward-Looking Behavior." Center for Agricultural and Rural Development (CARD) Working Paper 93-WP 108 (June 1993), Iowa State University, Ames, Iowa.
- Lence, S.H., and D.J. Hayes. "Estimation Risk when Theory Meets Reality." Center for Agricultural and Rural Development (CARD) Working Paper 93-WP 107 (June 1993), Iowa State University, Ames, Iowa.
- Lence, S.H., D.J. Hayes, and W.H. Meyers. "The Short-Run Behavior of Forward-Looking Firms." Center for Agricultural and Rural Development (CARD) Working Paper 93-WP 106 (June 1993), Iowa State University, Ames, Iowa.

MISCELLANEOUS PUBLICATIONS

- Lence, S.H. "Agricultural Insurance in Ghana." Feed the Future Agricultural Support Project (APSP) Report, 2015.
- Hayes, D.J., and S.H. Lence. "A New Brand of Agriculture? Farmer-Owned Brands Reward Innovation." *Iowa Ag Review* 8(Fall 2002):4-8. Center for Agricultural and Rural Development (CARD), Iowa State University, Ames, Iowa.
- Lence, S.H. "Iowa Land Valuation." In *Iowa's Land and Environment--Serving Competing Needs*, Chapter 4, pp. 13-14. Iowa State University Agriculture and Home Economics Experiment Station, June 2000.
- Lence, S.H., editor. *Proceedings of the 1998 Annual Meeting of Regional Committee NC-221, "Financing Agriculture and Rural America: Issues of Policy, Structure, and Technical Change,"* Louisville, KY, October 5-6, 1998. Iowa State University, Department of Economics, April 1999.
- Jolly, R.W., and S.H. Lence. "Impacts of Technological Innovations on Land Values and Rents." In *Agriculture in the 21st Century--Surviving and Thriving*, Chapter 4, pp. 17-22.

Iowa State University Agriculture and Home Economics Experiment Station Pm-1695, March 1999.

Lence, S.H. "Corn Yield Futures and Options." In Baldwin, E. D., and R. N. Wisner, Program Directors, *Managing Risks and Profits*, Chapter X. Ohio State University and Iowa State University, 1998. Released via textbook, CD ROM, and Internet (<http://www.econ.iastate.edu/agrisk/>).

Lence, S.H. "Yield Futures and Options as Alternative Insurance Tools." Lesson IX of *Managing Risks and Profits: An Educational Program Through the DTN-Farm Dayta Network of Omaha, NE, Coordinated by Ohio State University and Iowa State University*, 1997.

Lence, S.H. "Corn Yield Futures and Options." Iowa State University, University Extension, *Iowa Farm Outlook Economic Information* 1719 (June 2, 1997):1-3.

Lence, S.H. "Options on Futures Contracts." *Wallaces Farmer* 122(March 1997):76.

Lence, S.H. "Using Options on Futures Contracts." In *Managing Change-Managing Risk: A Primer for Agriculture*, Chapter 6. Iowa State University Agriculture and Home Economics Experiment Station Pm-1695, 1997.

Lence, S.H. "Put Options Allow Farmers to Profit from Rising Prices without Risking Market Bottom Losses." *Iowa Farm Bureau Spokesman* (December 28, 1996):4A.

BOOK REVIEWS

Lence, S.H. Review of the book: Schmitz, A., and H. Furtan. *The Canadian Wheat Board: Marketing in the New Millenium*. Regina, Canada: Canadian Plains Research Center, 2000. Review published in the *American Journal of Agricultural Economics* 85(2003):1085-1086.

INVITED SEMINARS AT UNIVERSITIES

Xiao, X., C. Hart, and S.H. Lence. "Cuán Buenos Son los Pronósticos de Stocks de Soja, Maíz, y Trigo del USDA?" Presented at the Centro de Investigaciones Económicas (CINVE), Montevideo, Uruguay, July 19, 2016.

Lence, S.H., and A.K. Mishra. "The Impacts of Different Farm Programs on Cash Rents." Presented at the Department of Applied Economics, University of Minnesota, St.Paul, MN, April 18, 2003.

Lence, S.H. "Analyzing the Behavior of Farmland Prices." Presented at the Department of Agricultural Economics, University of Nebraska, Lincoln, NE, March 14, 1997.

Lence, S.H. “On the Value of More Accurate Estimates of Hedge Ratios.” Presented at the Department of Agricultural Economics, University of Illinois, Urbana-Champaign, IL, May 6, 1994.

MISCELLANEOUS SEMINARS AND PRESENTATIONS

Lence, S.H. “Farmland Prices: Is This Time Different?” Presented at Universidad ORT, Montevideo, Uruguay, July 21, 2016.

Lence, S.H., H. G. Ott, and C.E. Hart. “Long-Term Futures Curves and Seasonal Structures of Wheat in the E.U. and the U.S.” Presented at the Scientific Seminar on "Modelling and Forecasting Agricultural Commodity Prices, A Special Focus on European Markets," European Commission – Joint Research Center – Institute for Prospective Technological Studies, Sevilla, Spain, January 20-21, 2011.

Lence, S.H., and D.J. Hayes. “Welfare Impacts of Cross-Country Research Spillovers.” Presented at the Bioethics Retreat “Patenting Life: Implications for Agriculture in Iowa and the World,” Iowa State University, Ames, Iowa, January 7, 2005.

Lence, S.H., and S. Broca. “Obese Conclusions from Undernourished Facts: Evidence on the Reliability of Survey Data on Calorie Consumption.” Presented at the Economic and Social Department, Food and Agriculture Organization of the United Nations, Rome, Italy, July 26, 2001.

Lence, S.H. “Do Futures Markets Benefit Farmers?” Presented at the Economic and Social Department, Food and Agriculture Organization of the United Nations, Rome, Italy, June 26, 2001.

Lence, S.H. Discussant in the session “Industrial Organization 2” of the 5th International Conference convened by ICABR (International Consortium on Agricultural Biotechnology Research) on “Biotechnology, Science and Modern Agriculture: A New Industry at the Dawn of the Century.” Ravello, Italy, June 15-18, 2001.

Lence, S.H., and S. Broca. “Do Household Survey Data Provide Reliable Estimates of Calorie Consumption and Its Distribution?” Presented at the Economic and Social Department, Food and Agriculture Organization of the United Nations, Rome, Italy, April 23, 2001.

Lence, S.H. “The Econometrics of Poverty or the Poverty of Econometrics? – Is Growth Good for the Poor? Is Nutrition Good for Growth? Are Econometricians Good for Anything?” Presented at the Economic and Social Department, Food and Agriculture Organization of the United Nations, Rome, Italy, October 13, 2000.

- Lence, S.H. "Assessing the Market Impact of Market-Based Price Insurance Schemes." Presented at the Economic and Social Department Seminar Series, Food and Agriculture Organization of the United Nations, Rome, Italy, October 2, 2000.
- Lence, S.H. Discussant in the Selected Paper session "Prices, Market Power, and Efficiency" of the Annual Meeting of the American Agricultural Economics Association. Salt Lake City, UT, August 2-5, 1998.
- Lence, S.H. "Structural Changes in the Banking Sector." Presented at the 1998 Agricultural Credit School, Iowa State University, Ames, IA, June 22, 1998.
- Lence, S.H., and D.J. Miller "Estimation of Multi-Output Production Functions without Activity-Specific Input Data." Presented at the Department of Economics, Iowa State University, Ames, IA, November 21, 1996.
- Lence, S.H. "Will Bank Restructuring Affect Credit Availability for Farmers?" Presented at the ISU Farm Management Inservice, Iowa State University, Ames, IA, October 30, 1996.
- Lence, S.H. "The Consolidation Trend in Banking: Implications for Farmer Mac." Presented at the Ag Symposium organized by the Federal Agricultural Mortgage Corporation, Washington, D.C., August 9, 1996.
- Lence, S.H. "The Agricultural Sector in Argentina." Presented in the series "Agricultural Trade Topics" via the Iowa Cable Network, Iowa State University, Ames, IA, September 22 and 29, and October 6, 1995.

SERVICE TO PROFESSIONAL ORGANIZATIONS

- Associate Editor, *Journal of Agribusiness in Developing and Emerging Economies*, 2017 through present.
- Associate Editor, *Agricultural Economics* (the journal of the International Association of Agricultural Economists), 2015 through present.
- Editorial Board Member, *Applied Economics Perspectives and Policy*, January 2012 through present.
- Associate Editor, *Journal of Agricultural and Applied Economics*, January 2008 through December 2010.
- External reviewer of academic programs at other universities.
- Outside evaluator for promotion and tenure at peer universities.
- Teller, *American Association of Agricultural Economics*, 7/25/2006 through 7/25/2008.
- Associate Editor, *Journal of Futures Markets*, January 2002 through December 2007.
- Associate Editor, *American Journal of Agricultural Economics*, January 2000 through December 2003.
- Organizer (jointly with A.K. Mishra), Session "Agricultural Land Values, Government Payments, and Production" at the *Allied Social Sciences Meeting* held in Washington, D.C., January 3-5, 2003.

- Organizer, Symposium “Financial Risks under Freedom to Farm” at the 1999 Annual Meeting of the *American Association of Agricultural Economics* held in Nashville, TN, August 8-11, 1999.
- Topic Leader in the area of Agricultural Finance, Selected Papers Committee for the 1998 Annual Meeting of the *American Association of Agricultural Economics* held in Salt Lake City, UT, August 2-5, 1998.
- Chair, 1998/99, *Regional Committee NC-221 on Financing Agriculture and Rural America: Issues of Policy, Structure and Technical Change*. NC-221 is a major national/international project involving 15 U.S. universities, one Canadian university, two Federal Reserve Banks, the Farm Credit Administration, the Federal Reserve Board of Governors, and the USDA.
- Vice-chair, 1997/98, *Regional Committee NCT-173 on Financing Agriculture and Rural America: Issues of Policy, Structure and Technical Change*. (Note: NCT-173 was superseded by NC-221.)
- Secretary, 1996/97, *NC-207 Regional Committee on Regulatory, Efficiency, and Management Issues Affecting Rural Financial Markets*. (Note: NC-207 was superseded by NCT-173.)

ACTIVITIES IN EXECUTIVE PROGRAMS

- Coordinator, International Agribusiness School. The International Agribusiness School is aimed at foreign agribusiness managers, and its objectives are (i) to train participants in modern tools of risk management, financial management, and price analysis of relevance to their activities; (ii) to show managers the workings of the U.S. agricultural marketing channel; and (iii) to expose trainees to new developments in the U.S. agricultural markets. Sessions of the International Agribusiness School were conducted in 1998, 1999, 2000, and 2003.

OTHER QUALIFICATIONS

- Expert witness and consultant in agricultural marketing issues.
- Experience in the policy-making process and in the interactions of trade lobbies and public-sector bureaucracies.
- Familiar with economies characterized by high instability and inflation.
- Extensive knowledge of the Argentinean agricultural production and marketing sectors.
- Spanish native speaker.
- Reviewed books for *Addison-Wesley Publishing*, *Blackwell Publishers*, *Elsevier*, *Iowa State University Press*, *M.E. Sharpe*, and *Pearson Prentice Hall*.
- Reviewed papers for:

○ <i>AgBioForum</i>	○ <i>Agricultural and Resource Economics Review</i>
○ <i>Agribusiness: An International Journal</i>	○ <i>Applied Economic Perspectives & Policy</i>
○ <i>Agricultural Economics</i>	○ <i>Australian Journal of Agricultural and Resource Economics</i>
○ <i>Agricultural Finance Review</i>	
○ <i>American Journal of Agricultural Economics</i>	

- *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*
- *Canadian Journal of Agricultural Economics*
- *Chicago Board of Trade Research Seminars*
- *Ecological Economics*
- *Economic Modelling*
- *Economics Letters*
- *Empirical Economics*
- *European Review of Agricultural Economics*
- *Food Policy*
- *International Economic Journal*
- *International Journal of the Economics of Business*
- *International Journal of Financial Studies*
- *International Review of Economics and Finance*
- *Journal of Agribusiness*
- *Journal of Agricultural and Applied Economics*
- *Journal of Agricultural Economics*
- *Journal of Agricultural and Resource Economics*
- *Journal of Applied Economics*
- *Journal of Banking and Finance*
- *Journal of Chain and Network Science*
- *Journal of Econometrics*
- *Journal of Economic Behavior and Organization*
- *Journal of Economic Integration*
- *Journal of Economic Surveys*
- *Journal of Economics*
- *Journal of Economics and Business*
- *Journal of Environmental Economics and Management*
- *Journal of Futures Markets*
- *Journal of Productivity Analysis*
- *Land Economics*
- *North American Journal of Economics and Finance*
- *PLOS ONE*
- *Quarterly Review of Economics and Finance*
- *Resource and Energy Economics*
- *Review of Agricultural Economics*
- *Review of International Economics*
- *Review of Financial Economics*
- *Selected Papers Committee of the Agricultural and Applied Economics Association*
- *Selected Papers Committee of the American Association of Agricultural Economics*
- *Selected Papers Committee of the Western Agricultural Economics Association*
- *Southern Economic Journal*
- *U.S. Department of Agriculture (Small Business Innovation Research Program)*
- Reviewed grant proposals for:
 - *National Science Foundation*

GRANTS AND FUNDING

- Ryan, S., R. Brown, A. Kaleita, S.H. Lence, and M. Soupir. “NRT-INFIEWS: The DataFEWSion Traineeship Program for Innovations at the Nexus of Food Production, Renewable Energy and Water Quality.” National Science Foundation, 2018. Budget awarded: \$2,907,236. Role in the project: Co-Principal Investigator.
- Beghin, J., and J. Cortes. “Ghana Feed the Future Agriculture Policy Project.” Project submitted by Chemonics International, Inc. to U.S. AID, with collaboration from ISU. Start date: 1/31/2014. End date: 6/30/2018. Budget approved for ISU subcontract: \$1,145,524. Role in the project: Co-Principal Investigator and socio-economic expert.

- Delate, K., C. Hart, S.H. Lence, and A. Singerman. "Organic Crops: Review of Risk and Loss Experience and Development of Additional Price Election Procedures." Risk Management Agency, U.S. Department of Agriculture, 2009, \$127,218. Role in the project: Principal Investigator. Note: Iowa State University's Office of Sponsored Programs Administration did not allow the research team to proceed with this contract because of restrictions regarding ownership of the data gathered and research output.
- Luvaga, E., and S.H. Lence. "Initial Site Visit for 'Comparing Marketing of Agricultural Products in Australia and U.S.A.'." Study Abroad and Exchange Advisory Committee (SAEAC), Iowa State University, 2005, \$2,500. Role in the project: Principal Investigator.
- Lence, S.H., and J. Lawrence. "Applied Agricultural Marketing." Brenton Center of Agricultural Instruction and Technology Transfer, Iowa State University, 2005, \$6,000. Role in the project: Principal Investigator.
- Lence, S.H. "A Comparative Analysis of Spain's Pork Industry." Project No. 416-41-01, Midwest Agribusiness Trade Research and Information Center, 2005, \$13,223.11. Role in the project: Principal Investigator.
- Lence, S.H. "Yield Insurance Products." Subcontract from the Center for Agricultural and Rural Development, 2005, \$6,611.55.
- Lence, S.H., and C. Hart. "Long-Term Futures and Options Price Risk for Crops and Livestock." Risk Management Agency, U.S. Department of Agriculture, 2003, \$190,687. Role in the project: Principal Investigator.
- Lence, S.H. "2003 International Agribusiness School." Project No. 201-32-00-04-1548, sponsored by N6vitas S. A., 2003, \$28,000. Role in the project: Principal and Sole Investigator.
- Lence, S.H. "Long-Term Revenue Insurance for Livestock Products." Account No. 412-45-23, Center for Agricultural and Rural Development, 2003, \$13,066. Role in the project: Principal Investigator.
- Hayes, D.J., and S.H. Lence. "The Impact of Plant Variety Protection on Prices and Producer and Consumer Welfare." Project No. 701/704-66-01-03-7000, Plant Sciences Institute, Iowa State University, 2002, \$50,000. Role in the project: Principal Investigator.
- Hayes, D.J., and S.H. Lence. "Evolution From Commodity Farming to an Identity Preserved Product: What Can U.S. Meat Producers Learn From Italian Agriculture?" Project No. 412-45-38-06-6549, Center for Agricultural and Rural Development, 2002, \$33,490. Role in the project: Principal Investigator.
- Lence, S.H. "Faculty Development Grant for Boeing Brazil Project." Account No. 701-01-09, Iowa State University, 2002, \$1,000.
- Lence, S.H., and S. Agarwal. "Assessing the Market Size and Feasibility of Processing and Marketing Niche Soyoil." Project No. 416-44-49, Midwest Agribusiness Trade Research and Information Center, 2002, \$31,323. Role in the project: Principal Investigator.
- Lence, S.H. "Analysis of Market-Based Price Insurance." United Nations' Food and Agriculture Organization, 2000, \$30,000. Role in the project: Principal and Sole Investigator.
- Lence, S.H. "International Competitiveness and Marketability of Midwest Agribusiness Products." Project No. 416-43-04, Midwest Agribusiness Trade Research and Information Center, 2000, \$30,000. Role in the project: Principal and Sole Investigator.

- Lence, S.H. “2000 International Agribusiness School.” Project No. 400-42-56, sponsored by Los Grobo Agropecuaria S. A., 2000, \$31,800. Role in the project: Principal and Sole Investigator.
- Lence, S.H., and E. Luvaga. “Travel Course: Comparative Marketing Analysis of Agricultural Products.” Project No. 602-40-09-090304, Cargill, Inc., 2000, \$25,000. Role in the project: Principal Investigator.
- Lence, S.H. “1999 International Agribusiness School.” Project No. 400-45-01, sponsored by the Argentine Country Elevators' Association, 1999, \$7,500. Role in the project: Principal and Sole Investigator.
- Lence, S.H., E. Luvaga, S. Agarwal, and T. Goldsby. “Travel Course: Comparative Marketing Analysis of Agricultural Products.” Project No. 416-46-90-09-0260, Cargill, Inc., 1999, \$30,000. Role in the project: Principal Investigator.
- Lence, S.H., S. Agarwal, and T. Goldsby. “Comparative Marketing Analysis of Agricultural Products: Comparative Analysis of Conducting Business in the U.S., Argentina, and Brazil.” Project No. 416-46-90, Midwest Agribusiness Trade Research and Information Center, 1999, \$30,000. Role in the project: Principal Investigator.
- Lence, S.H. “Financing Agriculture and Rural America: Issues of Policy, Structure and Technical Change.” Project No. 3558, Iowa Agricultural and Home Economics Experiment Station. Starting date: 10/1/98. Expiration date: 9/30/03. Role in the project: Principal and Sole Investigator.
- Lence, S.H., and E. Luvaga. “Comparative Marketing Analysis of Agricultural Products.” Project No. 701-01-09-09-5678, Council on International Programs, ISU, 1998-99 Internationalization/ Globalization Grant Competition, \$19,000. Role in the project: Principal Investigator.
- Lence, S.H. “Grain Dealer School.” Project No. 400-43-05, sponsored by the Argentine Country Elevators' Association, 1998, \$90,611. Role in the project: Principal and Sole Investigator.
- Lence, S.H. “GATT Project No. 4164692.” Center for Agricultural and Rural Development, July 1997, \$7,500.
- Lence, S.H. “Credit Rationing: The Experimental Evidence.” University Research Grant, ISU, Spring 1996 Competition, \$10,340.
- Lence, S.H. Iowa Agricultural Credit School, June 1996, \$6,536.
- Lence, S.H. “The Value of Government Loan Guarantees to the Agricultural Sector.” Project No. 3255, Iowa Agricultural and Home Economics Experiment Station. Starting date: 3/15/94. Expiration date: 12/31/99. Role in the project: Principal and Sole Investigator.
- Hayenga, M.L., S.H. Lence, and D.J. Hayes. “Commodity Price Analysis and Risk Management.” Project No. 3354, Iowa Agricultural and Home Economics Experiment Station. Starting date: 11/1/95. Expiration date: 10/31/00. Role in the project: Investigator.
- Lence, S.H. “Regulatory, Efficiency, and Management Issues Affecting Rural Financial Markets.” Project No. 3067, Iowa Agricultural and Home Economics Experiment Station. Starting date: 10/1/91. Expiration date: 12/31/96. Role in the project: Principal and Sole Investigator.

GRADUATE STUDENT ADVISING

- Master of Agriculture Committees: Member: Patricia Barrett (graduated in 2000)
- M.Sc. in Seed Tech. and Bus. Committees: Major Prof.: Iñigo Ibarra Camou (graduated in 2018)
Craig Hamm (current)
- M.Sc. in Seed Tech. and Bus. Committees: Member: Zachary Bruns (graduated in 2018)
Jimmy Wu (graduated in 2012)
- Statistics Ph.D. Committees: Member: Yixiao Zhang (graduated in 2019)
- M.Sc. Committees: Major Prof: Pengcheng Zhu (graduated in 2014)
Fabio Santeramo (graduated in 2010)
Ho Kwon (graduated in 2005)
Jason Cooney (graduated in 2003)
Maria Laura Salvador (graduated in 1998)
Fang Cai (graduated in 1997)
Member: Kristopher Kookier (graduated in 2014)
Nanpeng Yu (graduated in 2012)
Yevhev Yankovskyy (graduated in 2006)
Egore Eshenko (graduated in 2005)
Kevin DeZwarte (graduated in 2004)
Matthew Miller (graduated in 2003)
David Ripplinger (graduated in 2003)
Zhi Wang (graduated in 1998)
Kye-Ryong Lee (graduated in 1994)
Michael D. Patterson (graduated in 1994)
- Ph.D. Committees: Major Prof: Xiaogang Li (current)
Stephen Herr (current)
Tianyang Zhang (current)
Gyu Kim (current)
Qiong Wu (graduated in 2019)
Wenwen Xi (graduated in 2016)
Jun Xiang (graduated in 2016)
Jinzhì Xiao (graduated in 2015)
Juan Murguía (graduated in 2013)
Na Jin (graduated in 2011)
Ariel Singerman (graduated in 2011)
Kanlaya Jintanakul (graduated in 2009)
Jingtao Wu (graduated in 2008)
Jing Liu (graduated in 2007)
Zhi Wang (graduated in 2000)

Member:

Chad Hart (graduated in 1999)
 Teng-Tsai Tu (graduated in 1998)
 Charles Nadeau (graduated in 1996)
 Jinjing Luo (current)
 Ganna Prykhodko (current)
 Shirui Wang (current)
 Seungki Lee (current)
 Philip Herr (current)
 Chenzi Lv (current)
 Zhongzheng Zhou (graduated in 2019)
 Jae-Hyoung Kim (graduated in 2019)
 Pichitra Prapassornmanu (graduated in 2019)
 Xiangou Deng (graduated in 2018)
 Xiaoguang Feng (graduated in 2017)
 Ziran Li (graduated in 2017)
 Chao Li (graduated in 2016)
 Pan Liu (graduated in 2016)
 Matthew Clancy (graduated in 2015)
 Dong-Jin Pyo (graduated in 2015)
 Deung-Yong Heo (graduated in 2015)
 Francisco Rosas-Perez (graduated in 2012)
 Nathan Kaufman (graduated in 2012)
 Ruiqing Miao (graduated in 2012)
 Abishek Somani (graduated in 2011)
 Lihong Lu McPhail (graduated in 2010)
 Ofir Rubin (graduated in 2010)
 Leandro Andrián (graduated in 2010)
 Mindy Baker (graduated in 2009)
 Jianhua Zhu (graduated in 2007)
 Nicholas Paulson (graduated in 2007)
 Junjie Sun (graduated in 2006)
 Julio C. Alonso (graduated in 2002)
 Sean Hurley (graduated in 2000)
 Charles Mason (graduated in 1999)
 Yih-Jiuan Wu (graduated in 1998)
 Sungwon Cho (graduated in 1998)
 Bingrong Jiang (graduated in 1997)
 Yuri Yermakov (graduated in 1997)
 Frank Fuller (graduated in 1996)
 Jauling Tseng (graduated in 1996)

- Ph.D. Dissertation Rapporteur, INRA, UMR SMART, Rennes, France: Yu Zheng (graduated in 2018)
- External judge, Doctorate Degree UBA: Ing. Agr. Patricio M. Mac Donagh (graduated in 2015)

INSTITUTIONAL SERVICE

- **Teaching Coordinator:** 2018/19-Present.
- **Director of Undergraduate Programs:** 2005/06-2017/18.
- **Activities in Departmental Committees:**
 - Member, Faculty Awards Committee: 2017/18 and 2019/20.
 - Member, Post-Tenure Review Panel: 2002/03, 2003/04, 2007/08, 2008/09, 2010/11-2011/12, and 2018/19.
 - Member, Curriculum Committee: 2018/19.
 - Chair, Lecturer Search Committee: 2018/19.
 - Mentor of Junior Faculty: 2014/15-2018/19. (Alejandro Plastina)
 - Chair, Curriculum Committee: 2009/10-2017/18.
 - Chair, Curriculum Committee: 2009/10-2017/18.
 - Member, Graduate Programs and Policy Committee: 2016/17-2017/18.
 - Member, Peer Teaching Evaluation Committee: 2015/16-2017/18.
 - Member, Budget Advisory Committee: 1996/97-1997/98, 2004/05-2005/06, 2014/15, and 2016/17-2017/18.
 - Member, Staff Planning Committee: 2005/06-2014/15, 2016/17.
 - Member, Agricultural Business Lecturer Recruiting Committee: 2015/16.
 - Member, Agricultural Business Ad Hoc Advisory Committee: 2015/16.
 - Member, Promotion and Tenure Committee: 1998/99, 2003/04, 2008/09, and 2015/16.
 - Member, Budget Advisory Committee: 1996/97, 1997/98, 2004/05, 2005/06, and 2014/15.
 - Member, Ag Recruiting Committee: 1996/97, 1999/00, 2012/13, and 2014/15.
 - Chair, Promotion and Tenure Committee: 2004/05, 2007/08, and 2014/15.
 - Chair, Ag Recruiting Committee: 2007/08 and 2010/11.
 - Chair, Undergraduate Curriculum Committee: 2005/06-2008/09.
 - Member, Entrepreneurship Position Recruiting Committee: 2008/09.
 - Chair, Undergraduate Programs Committee: 2005/06-2008/09.
 - Member, Undergraduate Programs Committee: 2004/05.
 - Member, Undergraduate Curriculum Committee: 2003/04.
 - Member, Graduate Admissions Committee: 2002/03 and 2003/04.
 - Chair, Economics Council: 2002/03.
 - Chair, Budget Advisory Committee: 2002/03.
 - Member, MSc Degree Ad Hoc Committee: 2002/03.
 - Member, Workshop Committee: 2001/02 and 2002/03.
 - Secretary, Economics Council: 2001/02.
 - Member, Undergraduate Recruiting, Advising, and Placement Committee: 1997/98-1999/00.
 - Member, Graduate Advisory Committee: 1995/96-1999/00.
 - Member, Macro Qualifying Exam Committee: 1994/95 and 1997/98.
 - Member, Economic Principles-Micro Committee: 1996/97 and 1997/98.
 - Member, LAS Recruiting Committee: 1997/98.
 - Member, Risk Task Force Committee: 1996/97.

- Member, Committee on Evaluation of Teaching Effectiveness: 1994/95.
- **Activities in Interdepartmental Committees:**
 - Member, PhD Major in Finance Ad Hoc Committee: 2002/03.
- **Activities in College Committees:**
 - Member, Curriculum Committee, College of Liberal Arts and Sciences: 2006/07-2017/18.
 - Member, Curriculum Committee, College of Agriculture and Life Sciences: 2007/08, 2009/10-2017/18.
 - Member, Promotion and Tenure Committee, College of Agriculture and Life Sciences: 2011/12-2013/14.
 - Vice-Chair, Curriculum Committee, College of Agriculture and Life Sciences: 2008/09.
 - Member, Curriculum Committee, College of Agriculture: 1999/00, 2005/06, and 2006/07.
 - Member, Academic Affairs Committee, College of Agriculture: 2004/05.
 - Member, Global Agricultural Programs Faculty Advisory Committee, College of Agriculture: 2003/04 and 2004/05.
 - Member, B.S. Off-Campus and Master of Agriculture Supervisory Committee, College of Agriculture: 1997/98, 1998/99, 2001/02, and 2002/03.
 - Member, Brenton Center Advisory Committee, College of Agriculture: 1998/99 and 1999/00.
- **Activities in University Committees:**
 - Chair, Graduate Council Catalog and Curriculum Committee: 2012/13-2017/18.
 - Member, Faculty Review Board Pool: 2016/17-2018/19 (three-year term).
 - Member, Graduate Council Catalog and Curriculum Committee: 2008/09-2011/12.
 - Member, Annual National Conference for Race & Ethnicity in American Higher Education (NCORE®) ISU Faculty Leadership Team: 2012/13. (organizer of symposium at the 2013 Iowa State Conference on Race and Ethnicity (ISCORE), Ames, IA, March 1, 2013.