

MARVIN L. HAYENGA, Ph.D.

Economist, Consultant, Expert Witness

*Professor Emeritus of Economics
Iowa State University*

Consultant and Expert Witness Experience

Analyst, adviser, speaker, and/or expert witness for individuals, corporations and cooperatives, trade associations, government agencies, consulting firms, and their law firms.

I specialize in economic analysis of issues and industries in the food and agricultural sector, including:

- damage estimation, antitrust, contracts, market price behavior, etc., in complex agribusiness litigation;
- estimating values of agribusinesses, capital assets, patents and biotechnology innovations;
- developing or evaluating commodity market risk management strategies for agribusiness firms;
- evaluating the impacts of structural, technological, or policy changes in the food industry;
- evaluating competitiveness of firms or industries;
- strategic planning for agribusiness firms and public agencies.

I have testified as an expert witness more than 30 times in state, district, tax and bankruptcy courts, and the International Trade Commission. I have testified on agricultural policy and market issues in legislative and executive branch hearings. My clients include a large number of farmers, agricultural input suppliers, food processors and merchandisers, insurance companies, consulting firms, government agencies, or their law firms. A partial client list includes: U.S. Department of Agriculture; U.S. Department of Justice; U.S. Internal Revenue Service; U.S. Department of Energy; Minnesota Department of Agriculture; North Carolina Attorney General; Oprah Winfrey; National Pork Producers Council; U.S. Meat Export Federation; American Meat Institute; Southern States Cooperative; Canadian Cattle Feeders Association; IBP; Excel; KFC; Tony Roma; Tyson Foods; Jewel Food Stores; Red Owl Stores; H.J. Heinz; Nabisco Brands; A.O. Smith Harvestore; AGP; BASF; Roche; Takeda; Foxley Cattle Company; Novartis; Smithfield Foods; American Cyanamid; North American Plant Breeders; Rhone Poulenc; Zeneca; Louis Dreyfus; Swift; Kubota; Golden Harvest; West Union Cooperative; Oscar Mayer; Provimi; Monsanto; ADM; Land O' Lakes; and Tate & Lyle. A recent expert witness testimony list is available upon request.

I have made presentations to many professional, government and industry groups in the United States, People's Republic of China, Switzerland, Russia, The Netherlands, Mexico, Germany, Canada, South Korea, Czech Republic, Slovak Republic, Italy, Venezuela, Brazil, Taiwan, Indonesia, Thailand and Australia.

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Employment Background

Independent consulting	2004 - present
Associate Professor and Professor Department of Economics Iowa State University Ames, Iowa	1980 - 2004
Visiting Professor Dept. of National Economic Management Renmin University of China Beijing, China	May - June 1996
Visiting Professor (Agricultural Economist) University of California at Davis	Jan. - Feb. 1988
Visiting Professor Department of Agricultural Economics University of Wisconsin, Madison and Senior Economist -- North Central Regional Research Project NC-117 Madison, Wisconsin	1977 - 1980
Corporate Agricultural Economist Corporate Purchasing Department General Foods Corporation White Plains, New York	1974 - 1977
Assistant and Associate Professor Department of Agricultural Economics Michigan State University East Lansing, Michigan	1965 - 1974
Post Graduate Research Agricultural Economist Department of Agricultural Economics University of California Berkeley, California	1963 - 1965
University Fellow Department of Agricultural Economics University of Illinois Urbana, Illinois	1962

Education

University of California at Berkeley	Ph.D.	Agricultural Economics	1967
University of Illinois	M.S.	Agricultural Economics	1963
University of Illinois	B.S.	Animal Science	1962

Professional and Academic Honors and Awards

University Honors and Bronze Tablet (Univ. of Illinois)	American Agricultural Economics Association
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Phi Kappa Phi
Alpha Zeta
Gamma Sigma Delta

Award for Professional Excellence --
Distinguished Policy Contribution
(Team Award), 1980

Received award for 20 years of outstanding
Program Award, service from NCR-134
Regional Research Committee
on Applied Commodity Price Analysis, Forecasting
And Market Risk Management, 2001

Outstanding Public Issues Education
from Farm Foundation and the National
Public Policy Education Committee
(Team Award), 1998)

Professional Organization Memberships

American Agricultural Economics Association; International Society of Chain and Network Science;
International Food and Agribusiness Management Association.

Iowa State University Responsibilities and Accomplishments

My teaching, research and service responsibilities and accomplishments as Professor of Economics, Iowa State University, 1980 to 2004, are summarized below. I typically taught two courses per year at the graduate and undergraduate levels, supervised numerous graduate students, and did applied research. In April, 1999, I shifted to a 50 percent appointment for five years (half of my 1980-99 responsibilities).

Research topics:

- marketing systems for food and agricultural products;
- changing structure and organization of the food and agricultural sector;
- economic implications of biotechnology;
- commodity price behavior and forecasting;
- risk management in the food industry;
- legal economics in the food and agricultural sector;
- government policy in the food and agricultural sector.

Teaching and advising graduate and undergraduate students:

- undergraduate courses in food and agricultural marketing dealing with food and agriculture industry structure and marketing systems, futures and options markets, market risk management, supply and demand for food and agricultural products, commodity price forecasting, contract evaluation, etc.;
- a graduate economics course dealing with structure, pricing and coordination systems, and performance of the food and agricultural sector, legal economics, and the market research process.

Service

Economics Department

I have been chair of: Economics Council; Budget Advisory Committee; Seminar Committee; Awards Committee; Promotion and Tenure Advisory Committee; Faculty Improvement Leave Review Committee; Agricultural Staff Planning and Recruiting Committee, and served on many other committees.

Iowa State University

Vice President, Iowa State University Faculty Senate, and
Administrative Committee member, 1992-1994.

Member, Executive Board, Iowa State University Faculty Senate, 1991-1996.

Member, University Budget Committee for 3 years.

Member, Board of Directors, Iowa State University Press, 1983-1987.

Chair, Faculty Council, College of Agriculture, 1994-1996.

National/International

Member, editorial boards for: the Journal of Futures Markets (1988-1995); the Review of Agricultural Economics (1988-1996); AgBioForum (1999-present); International Advisory and Editorial Board of the Journal on Chain and Network Science (2001-present).

Organizer and Chair, NCR-134 Regional Research Committee on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, 1981-1994.

American Agricultural Economics Association; chair or member of numerous national committees. American Agricultural Economics Association Senior Section officer and executive board member (2005- present).

Publications in the public domain: summary for entire career

Books, proceedings, and chapters thereof	67
Journal articles	56
U.S. government, regional, department, and experiment station publications	80
Other papers and articles	85

See publication list below or at <http://www.econ.iastate.edu/faculty/hayenga/>

Revised February, 2008

PUBLICATIONS: Marvin L. Hayenga

I. BOOKS, CHAPTERS OF BOOKS AND PROCEEDINGS

Marvin L. Hayenga, An Institutional Beef Procurement Program, Master's Thesis, University of Illinois, 1963.

Marvin L. Hayenga, Sweetener Substitution in Food Processing Industries, Ph.D. Dissertation, University of California, Berkeley, 1967.

T.J. Manetsch, M.L. Hayenga, et al., A Generalized Simulation Approach to Agricultural Sector Analysis (with special reference to Nigeria), Michigan State University, 1971.

A.N. Halter, M.L. Hayenga, and T.J. Manetsch, "Simulating a Developing Agricultural Economy: Methodology and Planning Capability," In Frontiers of Quantitative Economics, edited by Michael D. Intriligator, North-Holland Publishing Company, 1971 (invited paper presented at the Allied Social Science Meetings, December 1970).

M.L. Hayenga, R.D. Duvick, W.G. Bursch, and J.W. Allen, "Vertical Coordination in the Pork Industry: An Industry Survey," a chapter from a book entitled, Vertical Coordination in the Pork Industry, edited by R. Schneidau and L. Duewer, AVI Publishing Company, 1971.

M.L. Hayenga, "U.S. Sweetener Competition and Policy: Recent Evolution and the Future," International Sugar Yearbook, F.O. Licht, 1975.

Marvin L. Hayenga, "Summary," in Proceedings of the Livestock Futures Research Symposium, R. Leuthold and P. Dixon, editors, Chicago Mercantile Exchange, 1980.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis and Forecasting, Iowa State University, 1981.

Marvin L. Hayenga, "The Changing Marketing Challenge," in Marketing for Farmers, G. Futrell, editor, Doane-Western Publishing, Inc., 1981.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, Iowa State University, 1983.

C. Phillip Baumel and Marvin L. Hayenga, "Marketing and Transportation Issues," Food Security in the United States: Adequacy, Availability, Accessibility, Lawrence Busch and William B. Lacy, ed., Westview Press, Boulder, Colorado, 1984.

Abner Womack, Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, University of Missouri, 1984.

M.L. Hayenga, V.J. Rhodes, J. Brandt, and R. Deiter, The U.S. Pork Sector: Changing Structure and Organization, Iowa State University Press, 1985.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1985.

Lee Schrader, Marvin L. Hayenga, Dennis Henderson, Raymond Leuthold, and Mark Newman, "Pricing and Vertical Coordination in the Food System, Chapter 2 in The Organization and Performance of the U.S. Food System, B.W. Marion and the NC-117 Committee, Lexington Books, D.C. Heath and Company, Lexington, Massachusetts, 1986.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1986.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1987.

Marvin L. Hayenga and Brian Buhr, "Economic Implications of Repartitioning Agents in the U.S. Swine Industry," University of Illinois Pork Industry Conference, Dec. 10-11, 1987 (published in the Conference proceedings).

Marvin L. Hayenga and Brian Buhr, "Economic Implications of New Technologies in the Pork Industry," University of Missouri Commercial Agricultural Institute on Swine Production, March 9-10, 1988 (published in the conference proceedings).

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1988.

Marvin L. Hayenga, "Socioeconomic Considerations: Transgenic Animal Research," in Proceedings of the Transgenic Animal Research Workshop, J. Hopper, et al., editors, Studies in Technology and Social Change, No. 10, Iowa State University, 1988, pp. 102-120.

Sue Hoover, Marvin Hayenga, and Stanley Johnson, "Evaluating the Effectiveness of Generic Pork Advertising: The First Fifteen Months," presented at the Conference of Economic Evaluation of Generic Advertising, February 1989, and published in Commodity Advertising and Promotion, Iowa State University Press, 1990.

Marvin L. Hayenga, et al., "Economic Repercussions of Porcine Somatotropin on the Pork Industry," a chapter from Biotechnology for Control of Growth and Product Quality in Swine: Implications and Acceptability, P. van der Wal, et al., editors, Pudoc Wageningen, 1989, pp. 215-228.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1989.

Marvin L. Hayenga and Brian L. Buhr, "Impact of Animal Growth Promotants on the Meat Industry," in Biotechnology and Sustainable Agriculture: Policy Alternatives (J. MacDonald, ed.), NABC Report 1, National Agricultural Biotechnology Council, 1989, pp. 194-197.

Marvin L. Hayenga (Rapporteur), "Animal Growth Promotants," Policy Workshop Report in Biotechnology and Sustainable Agriculture: Policy Alternatives (J. MacDonald, ed.), NABC Report 1, National Agricultural Biotechnology Council, 1989, pp. 30-36.

Marvin L. Hayenga, et al., "Economic Issues and Analyses in Biotechnology," Agricultural Bioethics: Implications of Agricultural Biotechnology, Steven M. Gendel, et al., editors, Iowa State University Press, 1990, pp. 159-176.

Marvin L. Hayenga, et al., editors, Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1990.

Marvin L. Hayenga and Dan O'Brien, "Competition for Fed Cattle in Colorado and Other Markets: The Impact of the Decline of Packers and the Ascent of Contracting," in Applied Commodity Price Analysis, Forecasting, and Market Risk Management, NCR-134 Conference Proceedings, 1990, pp. 169-178.

Susan Kaaria, Marvin Hayenga, and Leland Thompson, "Economic and Environmental Implications of Herbicide-Resistant Corn," in Proceedings of the National Research Conference on Pesticides in the Next Decade: The Challenges Ahead, November 8-9, 1990.

Gail R. Nonnecke and Marvin L. Hayenga, "Consumer Acceptance of Locally Grown Day-Neutral Strawberries at Iowa Farmers' Markets," Proceedings of the Third North American Strawberry Growers Conference, Timberline Press, 1990.

James Kliebenstein, Marvin Hayenga, et. al. An Analysis of the Pork Grading System: Needed Adjustments, Report to the Office of Technology Assessment, U.S. Congress, September, 1991.

Marvin L. Hayenga, editor, Applied Commodity Price Analysis, Forecasting and Market Risk Management, Iowa State University, 1991.

Kevin Kimle and Marvin Hayenga, "Developing a Cash Settlement Price Index for Live Hog Futures," in Applied Commodity Price Analysis, Forecasting and Market Risk Management, 1991.

Marvin L. Hayenga, editor, Applied Commodity Price Analysis, Forecasting and Market Risk Management, Iowa State University, 1992.

Marvin Hayenga and Kevin Kimle, "Evolution of Producer/Packer Relationships." In Proceedings of the Minnesota Swine Conference for Veterinarians, University of Minnesota Veterinary Continuing Education and Extension, September 1992, pp. 341-344.

Sue Hoover, Marvin Hayenga, and Stanley Johnson, "Evaluating the Effectiveness of Generic Pork Advertising: The First Fifteen Months," in Commodity Advertising and Promotion (H.W. Kinnucan, S.R. Thompson, and H.S. Chang, editors), Iowa State University Press, Ames, Iowa, 1992, pp. 235-260.

Marvin L. Hayenga, editor, Approaching the 21st Century: Challenges and Opportunities for Iowa State University, Proceedings of the Iowa State University Faculty Conference, April 2-3, 1993.

Dan O'Brien, Marvin Hayenga, and Bruce Babcock, "Forecasting the Probability Distribution of Harvest Time U.S. Corn Prices," in Applied Commodity Price Analysis, Forecasting and Market Risk Management, (Marvin L. Hayenga, editor), Iowa State University, 1993.

Marvin L. Hayenga, editor, Applied Commodity Price Analysis, Forecasting and Market Risk Management, Iowa State University, 1993.

Marvin Hayenga, Bingrong Jiang, Ji Hoon Kweon, and Sergio Lence, "Cross Hedging Wholesale Beef and Pork Products," in Applied Commodity Price Analysis, Forecasting and Market Risk Management, B. Wade Brorsen, ed., Oklahoma State University, 1994.

Brian Buhr, Marvin Hayenga, and Gordon Bultena, "The Socioeconomic Impacts of Partitioning Agents," chapter in Low Fat Meat: Human Implications, Academic Press, 1994.

Robert G. Kauffman and Marvin L. Hayenga, "The Implications of Partitioning Agents for Meat Animal Grading and Pricing Systems," in Low Fat Meat: Human Implications, Academic Press, 1994.

Marvin Hayenga and James Kliebenstein, "Grading Systems in the Beef and Pork Industries," Proceedings of the Agricultural and Food Marketing Consortium Conference on Reengineering Marketing Policies for Food and Agriculture, 1994.

John Hales and Marvin Hayenga, "Technical Analysis and Market Efficiency in the Live Hog Futures Market," Applied Commodity Price Analysis, Forecasting and Market Risk Management, pp. 12-25, 1995.

Kye-Ryong Lee, Marvin Hayenga, and Sergio Lence, "The Hedging Effectiveness of Rough Rice Futures," NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management, pp. 358-368, 1995.

Marvin Hoffland, Dermot Hayes, and Marvin Hayenga, "The Effects of Japanese Imports on U.S. Wholesale Beef and Live Cattle Prices," Applied Commodity Price Analysis, Forecasting and Market Risk Management, pp. 148-169, 1995.

Marvin Hayenga, "Risk Management in Agribusiness: Research Priorities," in Global Partnering in Agribusiness, Proceedings of the International Agribusiness Management Association World Congress IV, Caracas, Venezuela, p. 37, May, 1995.

Marvin Hayenga, Ronald Hook and Bingrong Jiang, Fed Cattle Geographic Market Delineation: Slaughter Plant Procurement Areas, Firm and Plant Supply Response Analysis, Report to the Packers and Stockyards Program, GIPSA, USDA. Results were summarized as part of Chapter 1 in Concentration in the Red Meat Packing Industry, Packers and Stockyards Programs, GIPSA, U.S. Department of Agriculture, February 1996.

Marvin Hayenga, V. James Rhodes, Glenn Grimes and John Lawrence, Vertical Coordination in Hog Production, GIPSA-RR 96-5, May 1996. Results also summarized as Chapter 5 in Concentration in the Red Meat Packing Industry, Packers and Stockyards Programs, GIPSA, U.S. Department of Agriculture, February 1996.

Bingrong Jiang and Marvin Hayenga, "Corn and Soybean Basis Behavior and Forecasting: Fundamental and Alternative Approaches", Proceedings of the NCR-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management Conference, April, 1997, pp. 125-140.

J. D. Lawrence and M. L. Hayenga, "Current Status and Future Prospects of the World Swine Industry in the 21st Century", Proceedings of the 8th World Conference on Livestock Production, Seoul National University, Seoul, Korea, 1998.

Doug Miller and Marvin Hayenga, "Spectral Analysis of Asymmetric Price Response in the U.S. Pork Market", Proceedings of the NCR-134 Conference on Commodity Price Analysis, Forecasting and Market Risk Management, 1998, pp. 143-154.

E. Neal Blue, Marvin Hayenga, Sergio Lence and E. Dean Baldwin, "Futures Spread Risk in Soybean Hedge-to-Arrive Contracts", Proceedings of the NCR-134 Conference on Commodity Price Analysis, Forecasting and Market Risk Management, 1998, pp. 25-34.

Marvin Hayenga, "Changing Structure and Contracting Systems in the U.S. Pork Sector", Proceedings of the Conferences on Pork Industry Contracting Issues, Ping Tung University, Taiwan, July, 1999.

John Lawrence, Glenn Grimes and Marvin Hayenga, "Dramatic Changes Occurring in U.S. Pork Production and Marketing Systems", in Proceedings of the NE-165 and USDA Conference on Consolidation in the Meat Sector, February, 1999.

Nicholas Kalaitzandonakes and Marvin Hayenga, "Structural Changes in the Biotechnology and Seed Industrial Complex; Theory and Evidence", in Proceedings of the Conference on Transitions in AgBiotech: Economics of Strategy and Policy, Washington, DC, June 24-25, 1999.

John Lawrence, Glenn Grimes, and Marvin Hayenga, "Changing Structure and Contracting Systems in the U.S. Pork Sector", Proceedings of the International Food and Agribusiness Management World Congress, Florence, Italy, June 13, 1999.

Marvin Hayenga and Nicholas Kalaitzandonakes, "Structure and Coordination System Changes in the U.S. Biotech Seed and Value-added Grain Market", Proceedings of the International Food and Agribusiness Management World Congress, Florence, Italy, June 13, 1999.

Marvin Hayenga, "Structural changes in the pork production and processing industry of the U.S. and other OECD countries: major trends and issues", in The Agro-Food Processing Sector in China: Developments and Policy Challenges, Organization for Economic Cooperation and Development, Paris, 2000, also posted on the virtual internet forum on Sustainable Animal Production, a special activity of the Research Consortium on Sustainable Animal Production's EXPO 2000 program in Germany.

Shelley J. Thompson, Marvin Hayenga, and Dermot Hayes, E-Agribusiness, World Food and Agribusiness Congress, International Food and Agribusiness Management Association, Chicago, June, 2000. http://agecon.tamu.edu/iama/2000Congress/2000_forum_papers.htm

Dermot Hayes, Marvin Hayenga, and Shelley J. Thompson, Transactions Costs Economics and the Evolving Structure of Agricultural Production, World Food and Agribusiness Congress, International Food and Agribusiness Management Association, Chicago, June, 2000. http://agecon.tamu.edu/iama/2000Congress/2000_forum_papers.htm

Marvin L. Hayenga, "Value Chains in the Livestock and Grain Sector", in Policy Issues in the Changing Structure of the Food System, American Agricultural Economics Association, July 29, 2000; <http://www.aaea.org/changingstructure.html>;
<http://www.farmfoundation.org/tampa/hayenga.pdf>

Marvin Hayenga, "Emerging Food Chains", in the Proceedings of the National Public Policy Education Conference, September, 2000.
<http://www.farmfoundation.org/2000NPPEC/00nppec.htm>

Marvin Hayenga, "Competitive Structure of the Leading Pork Exporting Countries", Proceedings of the Globalization, Production Siting and Competitiveness of Livestock Production Conference and Round Table, Institut fuer Betriebswirtschaft, Agrarstruktur und laendliche Raeume Bundesforschungsanstalt fuer Landwirtschaft (FAL), German Ministry of Agriculture, September 25-26, 2000.

Clement Ward, Marvin Hayenga, Ted Schroeder, John Lawrence, and Wayne Purcell, "Contracting in the U.S. Pork and Beef Industries: Extent, Motives, and Issues", in Proceedings of the Conference on The Economics of Contracting in the Agri-Food Sector, Saskatoon, Saskatchewan, December 2000

Marvin L. Hayenga, "Emerging Issues and Challenges in Applied Commodity Price Analysis", Proceedings of the NCR-134 Conference on Applied Commodity Price Analysis, Forecasting and Market Risk Management, April, 2001.
http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=2856

James M. MacDonald and Marvin L. Hayenga, "Concentration, Mergers, and Antitrust Policy", in The 2002 Farm Bill: Policy Options and Consequences, Joe Outlaw and Edward Smith, editors, Publication no. 2001-01, Farm Foundation, Oakbrook, Illinois, September, 2001.
http://www.farmfoundation.org/2002_farm_bill/macdonald.pdf

John D. Lawrence and Marvin L. Hayenga, "The U.S. Pork and Beef Sectors: Divergent Organizational Patterns, Paradoxes and Conflicts", in Paradoxes in Food Chains and Networks, Proceedings of the Fifth International Conference on Chain and Network Management in Agribusiness and the Food Industry, J. H. Trienekens and S. W. F. Omta, editors, Wageningen Academic Publishers, June, 2002, pp. 512-521.
<http://www.econ.iastate.edu/faculty/lawrence/IAMA%202002Paper011402a6.pdf>

Dermot J. Hayes, Marvin Hayenga and Shelly J. Thompson, "Transactions-Cost Economics and the Evolving Structure of Agricultural Production", in E-Commerce in Agribusiness, Troy G. Schmitz, Charles B. Moss, Andrew Schmitz, Albert Kagan, and Bruce Babcock, editors, Florida Science Source, Inc., Longboat Key, Florida, 2005.

Marvin Hayenga, James MacDonald, Kyle Steigert, and Brian Buhr, "Concentration, Mergers, and Antitrust Policy", in The 2007 Farm Bill: Policy Options and Consequences, Joe Outlaw, editor, September, 2007.
http://www.farmfoundation.org/projects/documents/concentration_mergers_antitrust.pdf

II. JOURNAL ARTICLES

Marvin L. Hayenga, "Sweetener Competition and Sugar Policy," Journal of Farm Economics, Vol. 49, No. 5, December 1967, pp. 1362-1366 (presented to the American Agricultural Economics Association, Summer 1967).

Marvin L. Hayenga, T.J. Manetsch, and A.N. Halter, "Computer Simulation As A Planning Tool in Developing Economics," American Journal of Agricultural Economics, Vol. 50, No. 5, December 1968, pp. 1755-1759.

A.N. Halter, M.L. Hayenga, and T.J. Manetsch, "Simulating a Developing Agricultural Economy: Methodology and Planning Capability," American Journal of Agricultural Economics, May 1970, pp. 272-284.

A.M. Pearson, M.L. Hayenga, R.G. Heifner, et al., "Influence of Various Traits Upon Live and Carcass Values for Hogs," Journal of Animal Science, Vol. 31, No. 2, August 1970, pp. 318-322.

M.L. Hayenga and Duane Hacklander, "Monthly Supply-Demand Relationships for Fed Cattle and Hogs," American Journal of Agricultural Economics, Vol. 52, No. 4, November 1970, pp. 353-544.

T.J. Manetsch, M.L. Hayenga, and A.N. Halter, "Simulation of Nigerian Development--The Northern Region Model," IEEE (Institute for Electrical and Electronic Engineers)

Transactions on Systems Science and Cybernetics, January 1971 (presented at the IEEE annual meeting, 1970).

Marvin L. Hayenga, "Hog Pricing and Evaluation Methods: Their Accuracy and Equity," American Journal of Agricultural Economics, August 1971, pp. 507-509.

Marvin L. Hayenga and Duane Hacklander, "Monthly Supply-Demand Relationships for Fed Cattle and Hogs: A Reply and Some Extensions," American Journal of Agricultural Economics, August 1971.

W.G. Bursch, M.L. Hayenga, R.D. Duwick, and J.W. Allen, "The Evolution of Vertical Coordination in Agriculture: A Pork Industry Example," presented at 1971 AAEA meetings and abstracted in the American Journal of Agricultural Economics, December 1971.

M.L. Hayenga and the Michigan State Simulation Team, "Comparing Agricultural Adjustments and Policies via an Agricultural Sector Simulation Model," presented at the 1971 AAEA meetings and abstracted in the American Journal of Agricultural Economics, December 1971.

M.H. Abkin, M.L. Hayenga and the Michigan State University Sector Simulation Team, "System Simulation of Agricultural Development: Some Nigerian Policy Comparisons," American Journal of Agricultural Economics, August 1973.

Marvin L. Hayenga, "Food Industry Organization and Behavior: Some Recent Change Forces," Western Journal of Agricultural Economics, Vol. 1, No. 1, 1976 (invited paper - Western Agricultural Economics Association Meetings, Summer 1975).

Marvin L. Hayenga, "Risk Management in Imperfect Markets: Commodity Procurement Strategy in the Food Manufacturing Sector," American Journal of Agricultural Economics, May 1979, pp. 351-357 (presented at the Allied Social Science Meetings, 1978).

Marvin L. Hayenga and Lee F. Schrader, "Formula Pricing in Five Commodity Marketing Systems," American Journal of Agricultural Economics, Vol. 62, No. 4, November 1980.

M.F. Rothschild, L.L. Christian, and M.L. Hayenga, "Purchaser Response for Genetically Different Boars and Boar Semen," Journal of Animal Science, Vol. 55, No. 2, 1982, pp. 218-223 (presented to the American Society of Animal Science, Summer 1981).

Marvin L. Hayenga and Dennis D. DiPietre, "Cross-Hedging Wholesale Pork Products Using Live Hog Futures," American Journal of Agricultural Economics, Vol. 64, No. 4, November 1982, pp. 747-751, (presented to the American Agricultural Economics Association, Summer 1981).

Marvin L. Hayenga and Dennis DiPietre, "Hedging Wholesale Meat Prices: Analysis of Basis Risk," Journal of Futures Markets, Vol. 2, No. 2, 1982, pp. 131-140.

Marvin L. Hayenga, Dennis D. DiPietre, J. Marvin Skadberg, and Ted C. Schroeder, "Profit Opportunities and Risk Premiums for Producers in Live Cattle and Live Hog Futures Markets," Journal of Futures Markets, Vol. 4, No. 2, 1984, pp. 141-154.

B. Grisdale, M.L. Hayenga, R.G. Kauffman, H.R. Cross, and L.L. Christian, "Establishing Practical Guidelines for Pricing Market Swine," Journal of Animal Science, Vol. 59, No. 4, pp. 883-891.

M.L. Hayenga, B. Gridale, R.G. Kauffman, H.R. Cross, and L.L. Christian, "Carcass Merit Pricing Systems in the Pork Industry," American Journal of Agricultural Economics, Vol. 67, No. 2, May 1985, pp. 315-319.

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Ted C. Schroeder and Marvin L. Hayenga, "Economic Issues in Farm Business Damage Estimation," Journal of Farm Managers and Rural Appraisers, Vol. 51, No. 2, October 1987, pp. 45-50.

Ted C. Schroeder and Marvin L. Hayenga, "Comparison of Selective Hedging and Option Strategies in Cattle Feed Lot Risk Management," Journal of Futures Markets, Vol. 8, No. 2, April 1988.

Marvin L. Hayenga, Leland C. Thompson, Craig Chase, and Susan Kaaria, "Economic and Environmental Implications of Herbicide-tolerant Corn and Processing Tomatoes," Journal of Soil and Water Conservation, September-October, 1992

Kevin L. Kimle and Marvin L. Hayenga, "Structural Change Among Agricultural Input Industries," Agribusiness: An International Journal, vol. 9, no. 1, January, 1993, pp. 15-27.

Sergio Lence, Kevin Kimle, and Marvin Hayenga, "A Dynamic Minimum Variance Hedge," American Journal of Agricultural Economics, November, 1993, pp. 1063-1071.

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Kevin L. Kimle and Marvin L. Hayenga, "Developing a Cash Settlement Price Index for Live Hog Futures," Journal of Futures Markets, May, 1994.

Mike Patterson and Marvin L. Hayenga, "Valuing Intangible Assets: Newark and Beyond," Agribusiness: An International Journal, Vol. II, No. 4, 371-381, 1995.

Marvin Hayenga, "Policy Issues for an Industrializing Animal Agriculture Sector: Discussion," American Journal of Agricultural Economics, vol. 77, no. 5, December, 1995, pp. 1251-52.

Marvin Hayenga, Bingrong Jiang, and Sergio Lence, "Improving Wholesale Beef and Pork Product Cross Hedging," Agribusiness: An International Journal, vol. 12, no. 6, pp. 541-559, November/December, 1996.

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