

Curriculum Vitae
Charles B. Moss

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Education

Doctor of Philosophy, December 1987, Purdue University, West Lafayette, Indiana. General Area of Study; Agricultural Finance, Agricultural Policy, Macroeconomics, Quantitative Methods. Thesis: "*The Effect of Macroeconomic Factors on the Well-Being of a Representative Midwestern Crop and Livestock Farm.*" Major Advisor, Dr. Tim Baker.
Master of Science, August 1984, Oklahoma State University, Stillwater, Oklahoma. General Area of Study; Agricultural Finance, Agricultural Policy, Quantitative Methods.
Bachelor of Science in Agriculture, December 1982, Oklahoma State University, Stillwater, Oklahoma. Agricultural Economics-Accounting (double major).

Professional Experience

University of Florida, Department of Food and Resource Economics. Professor, August 1998 to present. Appointment: research and teaching in the area of agricultural finance and econometrics.
University of Florida, Department of Food and Resource Economics. Research Coordinator, January 2012 to Present.
University of Florida, Department of Food and Resource Economics. Graduate Coordinator, June 2010 to December 2011.
University of Florida, Center for Latin American Studies, Affiliate Member, February 2006 to Present.
University of Florida, Center for Applied Optimization, Affiliate Member, August 2000 to Present.
University of Florida, Department of Food and Resource Economics. Associate Professor with tenure, August 1993 to August 1998.
University of Florida, Department of Economics. McKethan-Matherly fellow, 1989 to 1994.
University of Florida, Department of Food and Resource Economics. Assistant Professor, September 1987 to August 1993.
Purdue University, Department of Agricultural Economics. Graduate Staff, August 1984 to September 1987.
Oklahoma State University, Department of Agricultural Economics. Graduate Assistant, January 1983 to August 1984

Oklahoma State University, Department of Agricultural Economics. Undergraduate Teaching Assistant, August 1982 to December 1982; Farm and Ranch Management I (AGEC 3413).
Oklahoma State University, Department of Agricultural Economics. Undergraduate Research Assistant, October 1981 to May 1982.

Other Professional Experience

Co-Editor *Journal of Agricultural and Applied Economics*, 1999-2001.
Editorial Boards *American Journal of Agricultural Economics*, 2018-2021
Journal of Agricultural and Resource Economics, 1998-2000,
Journal of Agricultural and Applied Economics, 1996-1999.

Publications

1. Moss, Charles B., Allen M. Featherstone, and Timothy G. Baker. 1987. Agricultural Assets in an Efficient Multiperiod Portfolio. *Agricultural Finance Review*, 47: 82–94.
2. Moss, Charles B., Timothy G. Baker, and B. Wade Brorsen. 1988. Effects of the Macroeconomic Environment on Agricultural Prices in the Early 1980s. *Proceedings of Regional Research Committee NC-161* Department of Agricultural and Applied Economics, University of Minnesota, St. Paul.
3. Featherstone, Allen M., Charles B. Moss, Timothy G. Baker, and Paul V. Preckel. 1988. The Theoretical Effects of Farm Policies on Optimal Leverage and the Probability of Equity Loss. *American Journal of Agricultural Economics* 70(3): 572–579. [DOI: [10.2307/1241495](https://doi.org/10.2307/1241495), JSTOR: 1241495]
4. Moss, Charles B. and Allen M. Featherstone. 1989. An Empirical Investigation of Risk Diversification Opportunities Within the Farm Credit System. *Proceedings of Regional Research Committee NC-161* Agricultural Economics Report No. 243, North Dakota State University.
5. Moss, Charles B., Stephen A. Ford, and William G. Boggess. 1989. Capital Gains, Optimal Leverage, and the Probability of Equity Loss: A Theoretical Model. *Agricultural Finance Review* 49: 127–134.
6. Moss, Charles B., Ronald P. Muraro, and William G. Boggess. 1989. Distortionary Impacts of the 1982 and 1986 Tax Codes on Capital Investments: A Case Study of the Investment in Orange Grove. *Southern Journal of Agricultural Economics* 21(2), 107-116. [DOI: [10.1017/S0081305200001229](https://doi.org/10.1017/S0081305200001229), AgEcon Search: 30090]
7. Moss, Charles B., J.S. Shonkwiler, and John E. Reynolds. 1989. Government Payments to Farmers and Real Agricultural Asset Values in the 1980s. *Southern Journal of Agricultural Economics* 21(2): 139–154. [DOI: [10.1017/S0081305200001254](https://doi.org/10.1017/S0081305200001254), AgEcon Search: 30097]
8. Moss, Charles B., J.S. Shonkwiler, and Stephen A. Ford. 1990. A Risk Endogenous Model of Aggregate Agricultural Debt. *Agricultural Finance Review* 50: 73–79.
9. Featherstone, Allen and Charles B. Moss. 1990. Quantifying Gains to Diversification Using Certainty Equivalence in a Mean Variance Model: An Application to Florida Citrus. *Southern Journal of Agricultural Economics* 22(2): 191–198. [DOI: [10.1017/S1074070800001930](https://doi.org/10.1017/S1074070800001930), AgEcon Search: 30002]

10. Moss, Charles B., Richard N. Weldon, and Allen M. Featherstone. 1991. A Simple Approach to Evaluating Risk Diversification Opportunities. *Journal of the American Society of Farm Managers and Rural Appraisers* 55(1): 20–24.
11. Moss, Charles B., Octavio A Ramirez, and William G. Boggess. 1991. Modeling Nonnormality in Multivariate Distributions Using an Inverse Hyperbolic Sine Transformation to Normality. *Proceedings of Regional Research Committee S-232*. Department of Agricultural Economics and Rural Sociology, University of Arkansas, Fayetteville.
12. Moss, Charles B., Richard N. Weldon, and Ronald P. Muraro. 1991. The Impact of Risk on the Discount Rate for Different Citrus Varieties. *Agribusiness: An International Journal* 7(4): 327–338. [DOI: [10.1002/1520-6297\(199107\)7:4<327::AID-AGR2720070403>3.0.CO;2-Q](https://doi.org/10.1002/1520-6297(199107)7:4<327::AID-AGR2720070403>3.0.CO;2-Q)]
13. Moss, Charles B., Stephen A. Ford, and Mario Castejon. 1991. Effect of Debt Position on the Choice of Marketing Strategies for Florida Orange Growers: A Risk Efficiency Approach. *Southern Journal of Agricultural Economics* 23(2): 103–112. [DOI: [10.1017/S0081305200018227](https://doi.org/10.1017/S0081305200018227), AgEcon Search: 30046]
14. Gottret, Maria Veronica, James L. Seale, Jr., Charles B. Moss, and Carlton G. Davis. 1991. Efectos de Las Dificultades Financieras Sobre El Comercio Exterior Para Pases Del Caribe y Latinoamerica. *Revista Investigacion Agroaria Economia* 6(2): 147–160.
15. Moss, Charles B. 1991. Financing Agriculture Under Changing Environmental Regulations: A Discussion of the Emerging Teaching and Research Agenda. (Invited) *American Journal of Agricultural Economics* 73(5): 1405–1406. [DOI: [10.2307/1242391](https://doi.org/10.2307/1242391), JSTOR: 1242391]
16. Moss, Charles B. 1991. Review of *The Economics of Cuban Sugar* by Jorge F. Perez-Lopez. *Journal of Economic History* 52(4): 956–957. [DOI: [10.1017/S0022050700012109](https://doi.org/10.1017/S0022050700012109), JSTOR: 2123247]
17. Moss, Charles B. 1992. The Cost Price Squeeze in Agriculture: An Application of Cointegration. *Review of Agricultural Economics* 14(1): 209–217. [DOI: [10.2307/1349500](https://doi.org/10.2307/1349500), JSTOR: 1349500]
18. Moss, Charles B. and William G. Boggess. 1992. New Procedures in Modeling Risk: Nihil Novum Sub sol Est. *Proceedings of Regional Research Committee S-232* Department of Agricultural and Resource Economics, University of Arizona, Tucson.
19. Shonkwiler, J.S. and Charles B. Moss. 1993. A Multidimensional Index of Financial Stress in the Farm Sector. *Social Indicators Research* 29(3): 307–316. [DOI: [10.1007/BF01079518](https://doi.org/10.1007/BF01079518)]
20. Moss, Charles B. and Timothy G. Baker. 1993. Risk and Efficiency of Financial Intermediaries. *Proceedings of Regional Research Committee NC-207* Staff Paper SP93-22, Food and Resource Economics Department, University of Florida, Gainesville.
21. Moss, Charles B. and J.S. Shonkwiler. 1993. Estimating Yield Distributions Using a Stochastic Trend Model and Nonnormal Errors. *American Journal of Agricultural Economics* 75(4): 1056–1062. [DOI: [10.2307/1243993](https://doi.org/10.2307/1243993), JSTOR: 1243993]
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25. Featherstone, Allen M. and Charles B. Moss. 1994. Measuring Economies of Scale and Scope in Agricultural Banking. (Invited) *American Journal of Agricultural Economics* 76(3): 655–661. [[DOI: 10.2307/1243685](#), [JSTOR: 1243685](#)]
26. Moss, Charles B., Amy P. Pagano, and William G. Boggess. 1994. *Ex Ante* Modeling of the Effect of Irreversibility and Uncertainty on Citrus Investment. *Risk Modeling in Agriculture: Retrospective and Prospective* Program proceedings for the annual meetings of the Technical Committee of S-232, Department of Economics, Iowa State University, Ames.
27. Weldon, Richard N., Endah Srinarni, Charles B. Moss and John J. Van Sickle. 1994. Financial Analysis of the Banks for Cooperatives. *Journal of Agricultural Cooperation* 9: 13–26. [[AgEcon Search: 46400](#)]
28. Ramirez, Octavio, Charles B. Moss and William G. Boggess. 1994. Estimation and Use of the Inverse Hyperbolic Sine Transformation to Model Nonnormal Correlated Random Variables. *Journal of Applied Statistics* 21(4): 289–304. [[DOI: 10.1080/757583872](#)]
29. Henry, G.M., M.A. DeLorenzo, D.K. Beede, H.H. Van Horn, C.B. Moss, and W.G. Boggess. 1995. Determining Optimal Nutrient Management Strategies for Dairy Farms. *Journal of Dairy Science* 78(3): 693–703. [[DOI: 10.3168/jds.S0022-0302\(95\)76681-4](#)]
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33. Nagahban, B., C.B. Moss, J.W. Jones, K.L. Campbell, J. Zhand, and W.G. Boggess. 1996. Integrating Optimisation into a Regional Planning Model using GIS. In *Security and Sustainability in a Mature Water Economy: A Global Perspective* edited by J.J. Pigram, pp. 347–342. University of New England, Armidale, Australia: Center for Water Policy Research.
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39. Vogiatzis, M., D.R. Carter, C.B. Moss, and L.G. Arvanitis. 1997. Ecosystem Management or Infeasible Guidelines? Implications of Adjacency Restrictions for Wildlife Habitat and Timber Production. *Canadian Journal of Forest Research* 27(8): 1302–1310. [DOI: [10.1139/x97-076](https://doi.org/10.1139/x97-076)]
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51. Chris Dumas, Charles B. Moss, and Andrew Schmitz. 2002. Tradable Permits and Agricultural Sequestration of Carbon. In *Agricultural Globalization, Trade and the Environment* edited by C.B. Moss, G. Rausser, A. Schmitz, T.G. Taylor, and D. Zilberman, pp. 439–455. Boston: Kluwer Academic Publishers. [[DOI: 10.1007/978-1-4615-1543-2_21](https://doi.org/10.1007/978-1-4615-1543-2_21)]
52. Moss, Charles B. and Andrew Schmitz. 2002. Vertical Integration and Trade Policy: The Case of Sugar. *Agribusiness: An International Journal* 18(1): 49-60. [[DOI: 10.1002/agr.10006](https://doi.org/10.1002/agr.10006)]
53. Moss, Charles B. and Andrew Schmitz. 2002. Coalitions and Competitiveness: Why has the Sugar Program Been Resilient? In *Agricultural Policy for the 21st Century* edited by L. Tweeten and S. Thompson, pp. 160–183. Ames, Iowa: Iowa State University Press. [[DOI: 10.1002/9780470390375.ch9](https://doi.org/10.1002/9780470390375.ch9)]
54. Moss, Charles B. 2002. Applied Optimization in Agriculture. In *Handbook of Applied Optimization* edited by P. Pardolous and M.G.C. Resende, pp. 957–966. New York: Oxford Press.
55. Moss, Charles B. and Andrew Schmitz. 2002. Price Behavior in the U.S. Sweetener Market: A Cointegration Approach. *Applied Economics* 34(10): 1273–1281. [[DOI: 10.1080/00036840110088128](https://doi.org/10.1080/00036840110088128)]
56. Moss, Charles B., Gregory Livanis, Vince Breneman, and Richard F. Nehring. 2002. Productivity versus Urban Sprawl: Spatial Variations in Land Values. In *Agricultural Productivity: Measurement and Source of Growth* edited by V.E. Ball and G.W. Norton, pp. 117–133. New York: Kluwer Academic Publishers, Inc. [[DOI: 10.1007/978-1-4615-0851-9_5](https://doi.org/10.1007/978-1-4615-0851-9_5)]
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58. Moss, Charles B. and Andrew Schmitz. 2002. Trade in HFCS: Cointegration with Substitute Goods. In *Sugar and Related Sweetener Markets in the 21st Century: International Perspectives* edited by A. Schmitz, T.H. Spreen, W.A. Messina, and C.B. Moss, pp. 299–314. London: CAB International.
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63. Moss, Charles B. and Hans Theil. 2003. Homogeneity Testing Revisited. *Journal of Agricultural and Applied Economics* 35(Supplement): 3–4.
64. Xiaming Gao, Charles B. Moss, Hans Theil and Dave D. Weatherspoon. 2003. The Development of the GDPs of the G-7 Countries, 1950–1988. *Journal of Agricultural and Applied Economics* 35(Supplement): 151–154. [[AgEcon Search: 43295](#)]
65. Theil, Henri and Charles B. Moss. 2003. Les Maîtres du Monde: The G-7's Path to Prominence, 1885–1994. *Journal of Agricultural and Applied Economics* 35(Supplement): 155–160. [[AgEcon Search: 43296](#)]
66. Theil, Hans and Charles B. Moss. 2003. The Five Layers of Affluence. *Journal of Agricultural and Applied Economics* 35(Supplement): 165–168. [[AgEcon Search: 43298](#)]
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177. Post, Lori Ann, Jasmine S Lin, Charles B Moss, Robert Leo Murphy, Michael G Ison, Chad J Achenbach, Danielle Resnick, Lauren Nadya Singh, Janine White, Sarah B Welch, and James Francis Oehmke. 2020. SARS-CoV-2 Wave Two Surveillance in East Asia and the Pacific: Longitudinal Trend Analysis. *Journal of Medical Internet Research* 23(2) [DOI: [10.2196/25454](https://doi.org/10.2196/25454)]

178. Post, Lori, Maryann Mason, Lauren Nadya Singh, Nicholas P. Wiekliniski, Charles B. Moss, Hassan Mohammad, Tariq Z. Issa, Adesuwa I. Akhetuamhen, Cynthia A. Brandt, and James F. Oehmke. 2021. Gun Control Policy to Prevent Mass Shootings: Regression Lines of Discontinuity Study. *Journal of Medical Internet Research* (In Press). [DOI: 10.2196/26042]
179. Moss, Charles B. and Andrew Schmitz. 2021. Distributional Weights in Benefit-Cost Analysis: Examples from Rwanda and Uganda. *Journal of Agricultural & Food Industrial Organization* (In Press). [DOI: [10.1515/jafio-2021-003](https://doi.org/10.1515/jafio-2021-003)]
180. Mizuta, Katsutoshi, Sabine Grunwald, Michelle A. Phillips, Allen R. Bacon, Wendell P. Cropper, and Charles B. Moss. 2021. Emergence of the Pedo-Econometric Approach. *Frontiers in Soil Science* (In Press). [DOI: [10.3389/fsoil.2021.656591](https://doi.org/10.3389/fsoil.2021.656591)]
181. Mizuta, Katsutoshi, Sabine Grunwald, Michelle Phillips, Charles B. Moss, Allan R. Bacon, and Wendell P. Cropper. 2021. Sensitivity Assessment of Metafrontier Data Envelope Analysis for Soil Carbon Sequestration Efficiency. *Ecological Indicators* (In Press). [DOI: [10.1016/j.ecolind.2021.107602](https://doi.org/10.1016/j.ecolind.2021.107602)]
182. Post, Lori, Ramael O. Ohimoba, Ashley Maras, Sean J. Watts, Charles B. Moss, Robert Leo Murphy, Michael G. Ison, Chad J. Achenbach, Danielle Resnick, Lauren Nadya Singh, Janine White, Azraa S. Chaudhury, Michael J. Boctor, Sarah B. Welch, and James Francis Oehmke. 2021 Latin America and the Caribbean SARS-CoV-2 Surveillance: Longitudinal Trend Analysis. *Journal of Internet Medical Research* 7(4) [DOI: [10.2196/25728](https://doi.org/10.2196/25728)].
183. Post, Lori, Kasen Culler, Charles B. Moss, Robert L. Murphy, Chad J. Achenbach, Michael G. Ison, Danielle Resnick, Luaren Nadya Singh, Janine White, Michael J. Boctor, Sarah B. Welch, and James Francis Oehmke. 2021. Surveillance of the Second Wave of COVID-19 in Europe: Longitudinal Trend Analysis. *Journal of Medical Internet Research* 7(4) [DOI: [10.2196/25695](https://doi.org/10.2196/25695)].
184. Post, Lori, Michael J. Boctor, Tariq Z. Issa, Charles B. Moss, Robert Leo Murphy, Chad J. Achenbach, Michael G. Ison, Danielle Resnick, Lauren Singh, Janine White, Sarah B. Welch, and James F. Oehmke. 2021. SAR-CoV-2 Surveillance System in Canada: Longitudinal Trend Analysis. *Journal of Medical Internet Research* 7(5) [DOI: [10.2196/25753](https://doi.org/10.2196/25753)].
185. Welch, Sarah B., D. A. Kulasekere, P.V. Vara Prasad, Charles B. Moss, Robert Leo Murphy, Chad J. Achenbach, Michael G. Ison, Michael J. Boctor, Maryann Mason, James Francis Oehmke, Joshua Marco Mitchell Faber, and Lori Ann Post. 2021, The Interplay Between Policy and COVID-19 Outbreaks in South Asia: Longitudinal Trend Analysis of Surveillance Data. *Journal of Medical Internet Research* 7(6) [DOI: [10.2196/24251](https://doi.org/10.2196/24251)]
186. Seidu, Ayuba, Gulcan Önel, and Charles B. Moss. 2022. Do International Remittances Accelerate Out-farm Labor Migration in Developing Countries? A Dynamic Panel Time-Series Analysis. *Journal of Agribusiness in Developing and Emerging Economies* 12(1): 19-39. [DOI: [10.1108/JADEE-05-2020-0097](https://doi.org/10.1108/JADEE-05-2020-0097)]
187. Oehmke, Theresa B, Charles B. Moss, and James F. Oehmke. 2022. COVID-19 Surveillance Updates in U.S. Metropolitan Areas – A Dynamic Panel Data Modeling Approach: Is the ‘Delta Wave’ Over? *Journal of Medical Internet Research: Public Health Surveillance* (In Press) [DOI: [10.2196/28737](https://doi.org/10.2196/28737)].

188. Mizuta, Katsutoshi, Sabine Grunwald, Allen R. Bacon, Wendell P. Cropper, Jr., Michelle A. Phillips, Charles B. Moss, Carlos A. Gonzalez-Benecke, Christopher M. Clingensmith, and Xiong Xiong. 2022. Holistic Aboveground Ecological Productivity Efficiency Modeling Using Data Envelopment Analysis in the Southeastern U.S. *Science of the Total Environment* (In Press).

Lectures Presented at Professional Meetings

1. Moss, Charles B. and William G. Boggess. "Methods for Modeling Variability When Nonnormality is Important." Invited Paper Presented at the Western Agricultural Economics Association Meetings in Colorado Springs, July 1992.
2. Gao, Xiaoming, Charles B. Moss, Henri Theil, and Dave D. Weatherspoon. "The Development of the GDP's of the G-7 Countries, 1950-88." Invited Paper at the Symposium on International Comparison of Price Structures and Their Influence on Productivity and Growth, Miami, Florida, July 1992.
3. Seale, James L., Jr. and Charles B. Moss. "Macroeconomics, Exchange Rates and the Overshooting Hypothesis: Relative Effects on U.S. Agricultural and Nonagricultural Exports." Contributed paper at the International Symposium on Economic Modelling, co-sponsored by the University of Goteborg, the European Economic and Financial Centre, London, and the Book Series, *International Studies in Economic Modelling*, Goteborg, Sweden, August, 1992.
4. Moss, Charles B. and James L. Seale, Jr. "An Allocation Model of Government Outlays: A Differential Approach." Contributed paper at the International Symposium on Economic Modelling, co-sponsored by the University of Pireaus, the European Economic and Financial Centre, London, and the Book Series, *International Studies in Economic Modelling*, Athens, Greece, June 1993.
5. Weatherspoon, Dave D., James L. Seale, Jr., and Charles B. Moss. "Convergence of the G-7: A Cointegration Approach." Contributed paper at the International Symposium on Economic Modelling, co-sponsored by the World Bank, the European Economic and Financial Centre, London, and the Book Series, *International Studies in Economic Modelling*, Washington, D.C., June 1994.
6. Deepak, Sri Devi, Charles B. Moss, and James L. Seale, Jr. "Human Capital, Convergence, and Income Inequality." Contributed paper at the International Symposium on Economic Modeling, co-sponsored by the University of Bologna, the European Economic and Financial Center, London, and the Book series, *International Studies in Economic Modeling*, Bologna, Italy, July 1995.
7. Moss, Charles B. and Chris de Bodisco. "Agricultural and Trade Policy under Administrative Water Regimes." Presented at the Berkeley-Florida Conference on Agricultural Globalization, Trade and the Environment, Berkeley California, March 1999.
8. Dumas, Christopher F., Charles B. Moss and Andrew Schmitz. "Carbon Sequestration, Tradable Permits, and Climatic Change." Presented at the University of California, University of Florida, USDA Conference on Climate Change, Gainesville Florida, September 1999.

9. Moss, Charles B. and Andrew Schmitz. "The Changing Agenda for Agribusiness: Sweetener Alliances in the 21st Century." Presented at the University of Florida Conference on the Sugar Industry in the 21st Century, Miami Florida, November 1999, also presented in Thebidoux Louisiana, December 1999.
10. Moss, Charles B. and Andrew Schmitz. "Coalitions and Competitiveness: Why Sweetener Markets Fail." "Challenging the Agricultural Economics Paradigm" A symposium honoring the career of Luther G. Tweeten, Anderson Professor of Agricultural Marketing, Trade and Policy Ohio State University, September 2000.
11. Moss, Charles B., Ashok K. Mishra, Kenneth Erickson, and Richard Nehring. "Valuing Farmland: Spatial Productivity Differences and Financial Solvency." Presented at the Joint EU/OECD/FAO/Eurostat Conference on Agricultural Statistics in Geneva Switzerland, October 2001.
12. Moss, Charles B. "Institutions and International Competitiveness: Implications of the New Theory of the Firm." Presented at the International Agricultural Trade and Policy Center Conference at Gainesville Florida, November 2001.
13. Moss, Charles B. Troy G. Schmitz, and Andrew Schmitz. "Differentiating GMOs and Non-GMOs in a Marketing Channel." Presented at the International Consortium on Agricultural Biotechnology Research in Ravello Italy, July 2002 and at the International Agricultural Trade Consortium Meeting in Tucson Arizona, December 2001.
14. Moss, Charles B. and Andrew Schmitz. "New Institutional Economics, Bureaucratic Rent Seeking, and the Potential Role of State Trading Enterprises in Coffee Markets" Presented at the XVI International Congress in Agribusiness held at Autonomous University of San Lois Potosi, May 2002.
15. Moss, Charles B., Troy G. Schmitz, Albert Kagan, and Andrew Schmitz. "New Institutional Economics, Schumpeter and the Emergence of the Internet in Agriculture: Fad or Innovation?" Presented at the International Conference on Financial Engineering, e-Commerce & Supply Chain, and Strategies of Development in Piraeus Greece, June 2002.
16. Moss, Charles B. "Estimating Western Farmland Values: The Effect Of Return On Assets, Productivity Growth And Urbanization Over Time" Invited Paper at the Western Agricultural Economics Association Annual Meetings in Long Beach California, July 2002.
17. Moss, Charles B., Andrew Schmitz, and David Orden. "Mexico's Antidumping Regime Against High Fructose Corn Syrup from the United States" Presented at the Conference on International Agricultural Trade Disputes: Case Studies in North America in Gainesville Florida, March 2003.
18. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "GMOs and the Demand for GMOs in International Markets." Presented at the Western Economic Association Meetings in Denver, Colorado July 2003.
19. Erickson, Kenneth W., Charles B. Moss, Richard F. Nehring, and V. Eldon Ball. "A Translog Cost Function Analysis of U.S. Agriculture 1948-1999." Presented at the Western Agricultural Economics Association annual meetings in Denver, Colorado July 2003.

20. Moss, Charles B., Kenneth W. Erickson, V. Eldon Ball, and Ashok K. Mishra. "A Translog Cost Function Analysis of U.S. Agriculture: A Dynamic Specification." Presented at the American Agricultural Economics Association annual meetings in Montreal, Canada July 2003.
21. Erickson, Kenneth W., Charles B. Moss, Richard F. Nehring, and V. Eldon Ball. "Modeling Supply Response in a Multiproduct Framework Revisited: The Nexus of Empirics and Economics." Presented at the American Agricultural Economics Association annual meetings in Montreal, Canada July 2003.
22. Mishra, Ashok K., Charles B. Moss, and Kenneth W. Erickson. "Valuing Farmland with Multiple Quasi-Fixed Inputs." Presented at the American Agricultural Economics Association annual meetings in Montreal, Canada July 2003.
23. Gray, Richard, Charles B. Moss, and Andrew Schmitz. "What is Corn? Rights to Use Commodity Names, Genetically Modified Organisms, and the Lemons Problem." Presented at the Conference on the Role of GMOs in Trade Disputes held in San Antonio, Texas October 2003.
24. Moss, Charles B. "Valuing State Level Funding for Research: Results for Florida." Presented as part of the Food and Resource Economics Department at the University of Florida's J. Wayne Reitz Seminar Series, March 2004.
25. Moss, Charles B. and Ani Katchova "Farmland Valuation and Asset Performance." Invited paper at the Agricultural and Rural Finance Markets in Transition Pre-Conference, American Agricultural Economics Association annual meetings in Providence, Rhode Island, July 2005. Moss, Charles B. and Grigorios Livanis. "Urban Sprawl and Farmland Prices: Implications for Productivity Measurement." Department of Agricultural Economics, Michigan State University, October 2005.
26. Pierre, Raphael, Thomas H. Spreen, and Charles B. Moss. "Invasive Species and Bio-Security: Cost of Monitoring and Controlling Mediterranean Fruit Flies in Florida." Invited Paper Presentation at the Southern Agricultural Economics Association Meetings in Orlando, Florida February 2006.
27. Javelosa, Josyline C., Charles B. Moss, James L. Seale, Jr., and Andrew Schmitz. "Measuring the Potential Payoffs from Biofortified Crops: The Case of High-Iron Rice in the Philippines." Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1003 Jekyll Island, Georgia, March 2006.
28. Oehmke, James and Charles B. Moss. "Does Total Factor Productivity for Agriculture have Common Trends: Implications of the Cointegration Formulation?" Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1003 Jekyll Island, Georgia, March 2006.
29. Livanis, Grigorios and Charles B. Moss. "Measuring the Impact of Urban Pressure on Agricultural Productivity and Competitiveness." Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1003 Jekyll Island, Georgia, March 2006.

30. Moss, Charles B. and Andrew Schmitz. "Vertical Integration and Contracting in Specialized Agriculture: Implications for International Trade." Contributed Paper at the International Trade and Resource Consortium Meeting, St. Petersburg, Florida, December 2006.
31. Moss, Charles B., Troy G. Schmitz, and Andrew Schmitz. "Intellectual Property Rights and the Multinational Firm: The Case of High Valued Agriculture." Contributed Paper at Funding Agricultural Research: Evolving Institutional Frameworks, Annual Meeting of NC-1034 Berkeley, California, March 2007.
32. Moss, Charles B. and Ashok K. Mishra. "Imputing Missing Information in Production." Principle Paper, Agricultural and Applied Economics Association Annual Meeting, Denver, Colorado, July 2010.
33. Moss, Charles B. and Andrew Schmitz. "Positive and Negative Externalities in Agricultural Production: The Case of Adena Springs Ranch." Invited Paper, Southern Agricultural Economics Association Meeting, Orlando, Florida, February 2012.
34. Moss, Charles B. "Stay Interested My Friends." Lifetime Achievement Presentation." Southern Agricultural Economics Association, Orlando, Florida, February 2012.

Classes Taught

- AEB 4141** – *Agribusiness Financial Management*. This course requires the student to solve financial and other management problems faced by agricultural firms and agribusinesses. The course is intended as a capstone for which students are required to integrate material from their entire program into the financial decision-making process.
- AEB 4511** – *Quantitative Analysis in Food and Resource Economics*. The purpose of this course is to further develop the student's mathematical skills emphasizing those techniques utilized in economics.
- AEB 5188** – *Economics of Agribusiness*. Comprehensive treatment of microeconomic theory and its use in managerial decisions. [Online Materials – <http://www.charlesbmoss.com:8080/applied.microeconomics>]
- AEB 6145** – *Agricultural Finance*. Principles of firm financial management, financial markets, financial institutions, capital markets, firm growth, and analysis. The course emphasizes financial markets and application of financial principles.
- AEB 6533** – *Static and Dynamic Optimization*. This course, which focuses on optimization theory and methods, is one of the core requirements in the department's Ph.D. program. The applied basis of numerical optimization, including the development of classical optimization theory, is reviewed during the first half of the course, and the dynamic principal of optimality is covered in the second half. [Online Materials – <http://www.charlesbmoss.com:8080/applied.optimization>]
- AEB 6592** – *Mathematical Programming in Agricultural Economics*. This course is intended to introduce the student to optimization techniques and modeling in agricultural economics. Completion of the course should enable the student to solve numerical optimization problems with and without computer support. Further, the student will be introduced to how these optimization models have been used in agricultural economics.

- AEB 6921** – *Food and Resource Economics Workshop I*. This course builds on the techniques introduced in the first-year courses by introducing the research topics. These research areas are introduced by reviewing literature and faculty presentations of current research interests.
- AEB 6933** – *Computational Methods for Food and Resource Economics*. This course introduces students to applied numerical methods in agricultural and applied economics including computable general equilibrium analysis, finite games, non-linear prices models, dynamic programming, and welfare analysis. [Online Materials – <http://www.charlesbmoss.com:8080/econometrics.computation>]
- AEB 6933** – *Macroeconomics and Microeconomics of Agricultural Finance*. This course extends the traditional managerial analysis of agricultural finance presented in introductory and intermediate classes in agricultural finance. The course starts with the neoclassical economic model of the capital market then extends this formulation to include principal agent problems, arbitrage models of the capital market, and macroeconomic models of money and banking. [Online Materials – <http://www.charlesbmoss.com:8080/finance.macro-micro>]
- AEB 6934** – *Food and Resource Economics Workshop II*. This course leads the student through the creation of a scientific paper for submission to an economic or agricultural economic journal.
- AEB 7182** – *Agricultural Risk Analysis and Decision Making*. This course is a review of the conceptual framework and research methods for the analysis of decision making under risk by agricultural producers. The course covers expected utility theory, risk programming, stochastic dominance, and dynamic decision models. [Online Materials – <http://www.charlesbmoss.com:8080/agricultural.risk>]
- AEB 7184** – *Production Economics*. The purpose of this course is to introduce students to the standard theoretical and empirical models used in the investigation of firm level production decisions. [Online Materials – <http://www.charlesbmoss.com:8080/production.economics>]
- AEB 7571** – *Econometric Methods I*. This course develops statistical foundations that will be used in microeconomic theory, econometrics, production economics, and financial economics. The development focuses primarily on the mathematical formulation of statistics. [Online Materials – <http://www.charlesbmoss.com:8080/econometrics.mathstat>]
- AEB 7572** – *Econometric Methods II*. This course is a thorough introduction to the basic techniques in modern econometrics. Topics covered include Matrix Algebra, Ordinary Least Squares, Generalized Least Squares, System Estimators, Limited Dependent Variables, and Times Series estimation. The course will be focuses on both the theoretical methods and empirical applications. [Online materials – <http://www.charlesbmoss.com:8080/econometrics.principles>]
- FIN 6446** – *Financial Theory I*. This is the first course in the Ph.D. financial theory section offered in the Business School. The purpose of this course is to acquaint the student with basic principles of finance theory emphasizing the theory of the firm's investment and financing decisions. To accomplish this goal, this course will focus on basic concepts of decision making under risk, market efficiency, asset pricing, capital structure and dividend policy.

Grants

1. National Needs Fellowship. USDA, 1992–95.
2. Recreational Demand for Reef fish. National Marine and Fisheries Service, 1992–94.
3. Dynamic Supply of Florida Valencias. Florida Dept. of Citrus, 1992–94.
4. Projected Water Demand by Agriculture in the Northwest Florida Water Management District. Northwest Florida Water Management District, 1997–98.
5. Irrigation Projections in Georgia’s ACT/ACF Basin: 1995–2020. Northwest Florida Water Management District, 1998–99.
6. Estimation of Household Water Demand in Northeast Florida: Implications of Drought and Population Growth – Saint Johns River Water Management District May 1999–April 2000.
7. Crop Patterns and Water Use Under Free Trade – USDA/NRI August 1999–July 2000.
8. Competitiveness in Agricultural Credit Markets – USDA/NRI August 1999–July 2000.
9. Measurement of the Agricultural Land Input in Production Accounts – USDA/ERS August 1999–July 2000.
10. Coalitions and International Competitiveness: The Case of U.S. Sugar Policy – USDA/NRI July 2001–June 2002.
11. Conference on Government Policy and Farmland Markets: Implications of the New Economy – USDA/NRI July 2001–June 2002.
12. Estimation of the Economic Effect of Africanized Honey Bees using Secondary Data – Florida Department of Agriculture and Consumer Services January 2007–June 2007.
13. An External Review of the Balance Sheet and Income Statements Collected by the Agricultural Resource Management Survey – United States Department of Agriculture/Economic Research Service September, 2010 – March 2012 (funded through Kansas State University).
14. Effect of Housing Slump on Farmland Values in Florida – AgFirst Farm Credit Bank December 2010 – June 2011.
15. Effect of the Opioid Crisis on the Farm Sector: Implications from the Rural Economy – National Institutes of Food and Agriculture – July 2019–Jun 2021.

Students Supervised

1. Amy Purvis Pagaono (Co-Chair) “Ex Ante Forecasting of Uncertain and Irreversible Dairy Investments: Implications for Environmental Compliance.” Ph.D. August 1993.
2. Dave D. Weatherspoon (Co-Chair) “Cross Country Convergence of Gross Domestic Products and Associated Factors: A Cointegration Approach.” Ph.D. December 1993.
3. Sri Devi Deepak (Co-Chair) “Human Capital, Convergence, and Income Inequality.” Ph.D. August 1995.
4. Gretchen Greene (Co-Chair) “Angling in Tampa Bay: A Nested Random Utility Model of Nonmarket Demand for Marine Recreational Fishing.” M.S. August 1995.
5. Rebecca Hui-Wen Chung (Co-Chair) “Incorporating Nutrient Variables in Food Demand Analysis.” Ph.D. December, 1997.
6. Gretchen Greene (Co-Chair) “Transitions in the Mexican Sugar Industry.” Ph.D. August, 1998.

7. Gustavo Adolfo Guerra Galindo (Thesis Advisor) “Mathematical Model for Theory of Games in the Coffee Market of Coatepec, Veracruz.” Ph.D. (Universidad Autonoma Chapingo) September, 2000.
8. Grigorios Livanis “The Differential Production Model with Quasi-Fixed Inputs: A Panel Data Approach to U.S. Banking.” Ph.D. August, 2004.
9. Chris de Bodisco (Thesis Advisor) “The Regional Value of Water in Agriculture.” Ph.D. (Vanderbilt University) August 2007.
10. Lan Cheng “A Hyperbolic Tangent Yield Function of Florida Citrus.” M.S. August 2007.
11. Matthew J. Salois “Intertemporal Preferences and Time-Inconsistency: The Case of Farmland Values and Rural-Urban Land Conversion.” Ph.D. Augst 2008.
12. Nathan D. Van Steenberg (Co-Chair) “The Effect of Eminent Domain on Property Values.” M.S. December 2009.
13. Maria Bampasidou (Co-Chair) “Unbundling the Degree Effect in a Job Training Program for Disadvantaged Youth.” Ph.D. December 2012.
14. Dong Hee Suh “The Unintended Consequences of the Ethanol Mandate in the Agricultural and Energy Sectors.” Ph.D. August 2014.
15. Xinxin Zhang “Valuing Insurance Products for Florida Colored Seedless Grapefruit: the Effect of Spatial Correlation and Non-Normality.” Ph.D. August 2014.
16. Mihaela Marcu “Privatization Effects on Efficiency in the Water and Wastewater Industry in Former Socialist Countries.” Ph.D. December 2014.
17. Olufemi Daniel Bolarinwa “Agricultural Commercialization and Food Security in Sub-Saharan Africa.” Ph.D. May 2016.

Awards

Emerald Literati Award in 2018 For “Commemorating 100 Years of Farm Credit” (with Ashok Mishra)

IFAS High Impact Research Publication, 2014 (with Danny Klinefelter, and Michael Gunderson).

Agricultural and Applied Economics Association Quality of Communication Award, 2013 (with Allen Featherstone and Christine Wilson).

Southern Agricultural Economics Association Lifetime Achievement Award, 2013.

American Agricultural Economics Association Quality of Research Discovery Award, 2007 (with Grigorios Livanis, Vincent Breneman, and Richard Nehring)

Outstanding Journal Article 2006 *Journal of Agricultural and Resource Economics* (with Steven C. Blank and Kenneth W. Erickson)

Outstanding Research Program 2003-2004, Food and Resource Economics Department

Preferred Assistantship Purdue University, 1984

Professional Societies

Agricultural and Applied Economics Association
Gamma Sigma Delta
Southern Agricultural Economics Association
Western Agricultural Economics Association

References

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