

Bernard J. Morzuch

Curriculum Vitae

January, 2009

Department of Resource Economics

University of Massachusetts

Amherst, Massachusetts 01003

(413) 545-5718

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Employment

Professor: 1988-present

Associate Professor: 1983-88

Assistant Professor: 1978-83

Research Associate: 1975-78

Department of Resource Economics

University of Massachusetts, Amherst

Department of Agricultural Economics

University of Wisconsin, Madison

Education

Ph.D. Agricultural Economics, 1977

M.B.A., 1972

B.A. Economics, 1970

University of Missouri, Columbia

Southern Illinois University, Carbondale

St. Procopius College, Lisle, Illinois

Professional Organizations

International Society of Forecasters

Honors and Awards

Hewlett Teaching Fellows Award for the Improvement of General Education, 2001

National Teaching Award, National Association of State Universities and Land-Grant Institutions, 1998

Mentor, Lilly Teaching Fellow Program, University of Massachusetts, 1989-90

Distinguished Teaching Award, University of Massachusetts, 1986-87

Publications

Over 50 publications, including several manuals in statistics released by Addison-Wesley, major research monographs and completion reports presented as experiment station and extension bulletins, and articles in the following refereed journals:

Advances in Quantitative Analysis of Finance and Accounting

American Journal of Agricultural Economics

American Journal of Alternative Agriculture

Economics of Transition

International Journal of Forecasting

Journal of Applied Meteorology

Journal of Economic Entomology

Journal of Forestry

Northeastern Journal of Agricultural and Resource Economics

Environmental and Resource Economics

Journal of Travel Research

Teaching and Advising

Taught approximately 10,000 undergraduate and 800 graduate students at the University of Massachusetts and 250 undergraduate students at the University of California-Davis.

Undergraduate Courses Taught

Introductory Microeconomics
Introductory Statistics
Econometrics
Managerial Economics

Graduate Courses Taught

Production Economics
Forecasting Methods and Applications
Topics in Advanced Econometrics
Agricultural Marketing
Advanced Econometrics
Special Topics in Forecasting

Other Courses Taught

Three-week course (July, 1995) in managerial economics and forecasting methods for 30 assistant professors in economics from universities throughout Poland. Conducted at the Polish-American Summer School in Economics near Poznan, Poland. (U.S.I.A. funding). Two-week courses were conducted again in 1999 and in 2000.

Introductory statistics short courses for environmental engineers throughout Massachusetts and Connecticut. Conducted in 1997 - 2005.

On-line MBA statistics course in Isenberg School of Management (2007).

Thesis/Dissertation Committees

Chair or Co-Chair	13 M.S. 8 Ph.D.
Member of Committee	30 M.S. 60 Ph.D.

Undergraduate Advising

Academic Advisor 15 Undergraduate Students

Research Activities

Current Research and Graduate Student Supervision

An Evaluation of Supply and Demand for Nurses in Massachusetts
Electricity Load Forecasting and Forecast Error Distribution Modeling
Econometric Time-Series Modeling

Grants and Contracts

Evaluation of the Potential and Expected Benefits of the Massachusetts Agricultural Innovation Center. Principal Investigator: Daniel A. Lass. Funding Agency: Massachusetts Department of Agricultural Resources, Agricultural Innovations Center. May 31, 2008-May 31, 2009. \$95,000.

Co-principal investigator on "The Large-Lecture Course Redesign Project." Davis Foundation. 2002-2003. Amount \$30,000.

Co-principal investigator on "An Evaluation of Supply and Demand for Nurses and Other Allied Health Professionals in the Commonwealth." Center for Health Professionals, Worcester State College. 2001-2002. Amount \$98,962.

Contract. Massachusetts Department of Environment Protection. Economics of Electronics Recycling: A Value-Added Approach. 1998-1999. Amount \$3,000.

Contract. Paraguayan government. Econometric Model of the Paraguayan Macroeconomy. 1997-1998. Amount \$10,000.

Co-principal investigator on U.S.D.A., E.R.S. Cooperative Agreement titled "Production Function Estimation With Pest Tolerant Response." 1992-1995. Amount \$12,650.

Co-principal investigator on Low Input Sustainable Agriculture (LISA) grant titled "Alternative Strategies for Cranberry Production in the Northeast." 1990. Amount \$61,300.

Co-principal investigator on UMass/NOAA Cooperative Marine Education and Research Program grant titled "Multivariate Models for Optimizing Age Sampling." 1990. Amount \$6,853.

Co-principal investigator for grant from The Department of Revenue, Commonwealth of Massachusetts on "The Estimation of Farm Land Values in Massachusetts." April 1989. Amount \$37,360.

Principal investigator for grant from The New England Fisheries Development Foundation to explore "The Economic and Marketing Feasibility of Fish Hydrolysate Fertilizer on Agricultural Crops in New England." January 1988. Amount \$7,000.

Principal investigator for grant from USDA Forest Service on "Evaluating Forest and Inventory Analysis Data for Air Pollution Impact Assessment Studies." April 1987: Amount \$12,000. May 1988: \$2,000.

Principal investigator for grants from Ocean Spray Cranberries, Inc. titled "Effects of Weather on Cranberry Yields." June 1979, amount \$4,000; December 1980, amount \$5,000; May 1982, amount \$8,000; May 1983, amount \$8,000; May 1984, amount \$8,000; May 1985, amount \$8,000.

Principal investigator for grant from Extension Service, USDA on "Developing a Crop Insurance Program for Cranberry Growers as a Possible Tool for Risk Management." August 1983. Amount \$51,600.

Award from Extension Service, USDA as a supplement to "Developing a Crop Insurance Program as a Possible Tool for Risk Management." July 1984. Amount \$5,531.

Principal investigator for grant from Federal Crop Insurance Corp., USDA on "Analyzing the Feasibility of a Program of Insurance on Cranberries and the Identification of Other Feasible Programs for the New England Area." July 1983. Amount \$7,400.

Co-principal investigator for grant from Agricultural Cooperative Service, USDA titled "Economic Consideration Involved in Forming Fruit and Vegetable Cooperatives in New England." June 1982. Amount \$25,000.

Co-principal investigator for grant from Penn State University titled "Assessment of Pesticide and Plant Growth Regulator Use for Chrysanthemums." April 1982. Amount \$15,840.

Principal investigator for grant from Agricultural Cooperative Service, USDA titled "Economic Consequences of Wood Fiber Producers' Cooperatives Facing Imperfect Markets." October 1980. Amount \$17,000.

Co-investigator for grant from Penn State University entitled "Eggplant and Crop Loss Assessment: Benefits of Carbaryl and Alternative Control Strategies for Controlling Colorado Potato Beetle." February 1980. Amount \$20,025.

Service Activities

Department Committees

Undergraduate Program Director 2005-2009

Honors Program Coordinator 1994-2008

Undergraduate Curriculum 1978, 1989-1995

Social 1978, 1979, 1980

Graduate Program Director 1983, 1984, 1985

Graduate Studies Committee 1979, 1980, 1981, 1982

Stat Lab Policy and Supervisory 1978, 1979, 1981, 1982

Research 1982

Personnel 1982, 1983

Extension 1983, 1986, 1987, 1988

College Committees

CNRE Scholarship Committee 2004-2009
College Personnel 1998-2002
Distinguished Teaching Award Selection 1991
Academic Honesty 1982, 1983
Faculty Development for Teaching 1988
Integrated Pest Management Steering 1982, 1983, 1984, 1985
Lotta Crabtree Scholarship 1987-1998

University Committees

Dean Search for Isenberg School of Management 2009
Statistics Program Steering 1995-1998
Distinguished Teaching Award Selection
Teacher Evaluation and Improvement 1981, 1982, 1983

Professional Committees

NAREA Outstanding Masters Thesis Award Program 1984

Referee For

International Journal of Forecasting
American Journal of Agricultural Economics
Agricultural and Resource Economics Review
Journal of Applied Meteorology
Western Journal of Agricultural Economics
Journal of the American Society for Horticultural Science
Grant Applications: National Science Foundation

Publications

A. Journal Articles

P. Geoffrey Allen and Bernard J. Morzuch. "Twenty-Five Years of Progress, Problems, and Conflicting Evidence in Econometric Forecasting. What About the Next 25 Years?" International Journal of Forecasting. 22, 2006, pp. 475-492.

M. Auffhammer, B. Morzuch, and J. Stranlund. "Production of Chlorofluorocarbons in Anticipation of the Montreal Protocol." Environmental and Resource Economics. 30, 2005, pp. 377-391.

D. Belin, D. Kittredge, T. Stevens, D. Dennis, C. Schweik, and B. Morzuch. "Assessing Private Forest Owner Attitudes Toward Ecosystem-based Management." Journal of Forestry. 103, 1, 2005, pp. 28-35.

- C. Oh and B. Morzuch. "Evaluating Time-Series Models to Forecast the Demand for Tourism in Singapore: Comparing Within-Sample and Post-Sample Results." Journal of Travel Research. 43, 4, 2005, pp. 404-413.
- C. Weller and B. Morzuch. "International Financial Contagion: Why Are Eastern Europe's Banks Not Failing When Everybody Else's Are?" Economics of Transition. Vol. 8, No. 3, 2000, pp. 639-663.
- F. Du, B. Morzuch, J. Moffitt, and P. Bhowmik. "Statistical Analysis of Pest Tolerant Response with Application to Corn Weed Control." American Journal of Alternative Agriculture. Vol. 15, No. 3, 2000, pp. 137-141.
- S. Machuga, R. Pfeiffer, and B. Morzuch. "Measurement Error and Simultaneity in the Returns-Earnings Relation." Advances in Quantitative Analysis of Finance and Accounting. Vol. 8, 2000, pp. 139-160.
- P. G. Allen and B. J. Morzuch. "Comparing Probability Forecasts Derived From Theoretical Distributions." International Journal of Forecasting. Vol. 11, 1995, pp. 147-157.
- G. Adams, P.G. Allen and B.J. Morzuch. "Probability Distributions of Short-Term Electricity Peak Load Forecasts." International Journal of Forecasting. Vol. 7, 1991, pp. 283-297.
- B. J. Morzuch and G. A. Ruark. "Principal Components Regression to Mitigate the Effects of Multicollinearity." Forest Science. Vol. 37, No. 1, March 1991, pp. 191-199.
- P. J. Vittum and B. J. Morzuch. "Effect of Soil pH on Japanese Beetle (Coleoptera: Scarabaeidae) Oviposition in Potted Turfgrass." Journal of Economic Entomology. Vol. 83, No. 5, October 1990, pp. 2036-2039.
- Robert Dismukes, P. Geoffrey Allen, and Bernard J. Morzuch. "Participation in Multiple-Peril Crop Insurance: Risk Assessments and Risk Preferences of Cranberry Growers." Northeastern Journal of Agricultural and Resource Economics. Vol. 18, No. 2, October 1989, pp. 109-117.
- G. Kronrad and B. J. Morzuch. "The Forestry Incentives Program and Forest Yield Taxation in Massachusetts: Do We Need the Subsidy?" Journal of Forestry. December 1985: 730, 753-4.
- D. N. Ferro, B. J. Morzuch, and D. Margolies. "Crop Loss Assessment of the Colorado Potato Beetle on Potatoes in Western Massachusetts." Journal of Economic Entomology. 76:349-356 (1983).
- B. J. Morzuch and Cleve E. Willis. "Value of Weather Information in Cranberry Marketing Decisions." Journal of Applied Meteorology. 21(1982):53-58.
- K. M. Moore and B. J. Morzuch. "The Value of Information From Water Sampling in Massachusetts." Journal of Applied Meteorology. 21(1982):59-63.

B. J. Morzuch. "Principal Components and the Problem of Multicollinearity." Journal of the Northeastern Agricultural Economics Council. 9:1(1980):81-83.

B. J. Morzuch, R. D. Weaver, and P. G. Helmberger. "Wheat Acreage Supply Response Under Changing Farm Programs." American Journal of Agricultural Economics. 62:1(1980):29-37.

B. Books, Monographs, and Reports

"Electronics Re-use and Recycling Infrastructure Development in Massachusetts."
Massachusetts Department of Environmental Protection, Bureau of Waste Prevention.
September 2000. 96 pp. (multiple authors)

D. R. Lund, C. Franklin, and B. J. Morzuch. Instructor's Solutions Manual for Elementary Statistics. Reading, MA: Addison-Wesley, 1999. 620 pp.

D. R. Lund, C. Franklin, and B. J. Morzuch. Student's Solutions Manual for Elementary Statistics. Reading, MA: Addison-Wesley, 1999. 314 pp.

D. R. Lund, C. Franklin, and B. J. Morzuch. Instructor's Solutions Manual For Introductory Statistics. Reading, MA: Addison-Wesley, 1997. 842 pp.

Bernard J. Morzuch. Instructor's Solutions Manual For Elementary Statistics. Reading, MA: Addison-Wesley, 1993. 535 pp.

Bernard J. Morzuch. Student's Solutions Manual for Elementary Statistics. Reading, MA: Addison-Wesley, 1993. 162 pp.

Bernard J. Morzuch. Instructor's Solutions Manual For Introductory Statistics: Part I. Reading, MA: Addison-Wesley, 1991. 295 pp.

Bernard J. Morzuch. Instructor's Solutions Manual For Introductory Statistics: Part II. Reading, MA: Addison-Wesley, 1991. 291 pp.

Bernard J. Morzuch. Student's Solutions Manual For Introductory Statistics. Reading, MA: Addison-Wesley, 1991. 281 pp.

Bernard J. Morzuch. Student Solutions Manual To Accompany Elementary Statistics. Reading, MA: Addison-Wesley, 1990. 169 pp.

N. E. Engel, B. J. Morzuch, and D. Lass. Estimation of Farm Land Values in Massachusetts. Interim Report. Boston, MA: Department of Revenue, August 1989. 23 pp.

L. Joe Moffitt and Bernard J. Morzuch. Crop Insurance in Massachusetts: Information for Farm Managers. University of Massachusetts Cooperative Extension Bulletin No. AG502. April 1989. 19 pp.

- Gail Adams, P. Geoffrey Allen, Bernard J. Morzuch and George M. McCollister. NEPOOL Short-term Peak Load and Net Energy Forecasting. Final Report. Springfield, MA: New England Power Planning, February 1989. 99 pp.
- William Fitzsimmons, C. E. Willis, and B. J. Morzuch. A Monte Carlo Analysis of the Conditional Forecasting Performance of a Nondynamic Econometric Model. Massachusetts Agr. Exp. Sta. Bulletin No. 723. January 1989. 48 pp.
- B. J. Morzuch. The Economics of Presently-Used Fertilizers and Fish Hydrolysate Fertilizer in Cranberry Production. Final Report. Boston, MA: New England Fisheries Development Foundation, Inc., Boston, MA. November 1988. 44 pp.
- Robert Dismukes, P. G. Allen and B. J. Morzuch. Crop Insurance As A Risk Management Tool For Cranberry Growers in Massachusetts. Massachusetts Ag. Exp. Sta. Bulletin No. 719. February 1988. 67 pp.
- M. A. Kimball, D. Lass and B. J. Morzuch. Workbook for Organizing Marketing Decisions: Wholesaling Massachusetts Sweet Corn. University of Massachusetts Cooperative Extension Bulletin No. C-191. October 1987. 33 pp.
- M. A. Kimball, B. J. Morzuch, and R. J. Precheur. Tomato Trellis Systems: Comments and One Method for Determining Profitability. University of Massachusetts Cooperative Extension Bulletin No. SP151. January 1987. 20 pp.
- M. A. Kimball, B. J. Morzuch, and R. J. Precheur. Workbook For Implementing Alternative Management Practices For Sweet Corn. University of Massachusetts Cooperative Extension Bulletin No. CR-14. September 1986. 30 pp.
- B. J. Morzuch. "Economics of Potato Production" in Potato Production in the Northeast: A Guide To Integrated Pest Management. University of Massachusetts Cooperative Extension Bulletin No. C-178. January 1986, pp. 88-91.
- R. J. Precheur and B. J. Morzuch. Selected Vegetable Crops for Production on Small Farms. Massachusetts Agr. Exp. Sta. Bulletin No. 697. October 1984. 40 pp.
- M. A. Kimball and B. J. Morzuch. Workbook For Using Production, Harvesting, and Marketing Budgets To Determine Profits For Small Fruits. University of Massachusetts Cooperative Extension Bulletin No. C-189. October 1984. 51 pp.
- M. A. Kimball and B. J. Morzuch. Comparing Monetary Returns of Marketing Channels for Red Raspberries. Massachusetts Agr. Exp. Sta. Bulletin No. 696. July 1984. 33 pp.
- G. Rizopoulos, P. G. Allen, and B. J. Morzuch. Decision Making Under Risk On A Vegetable Farm in Massachusetts. Massachusetts Agr. Exp. Sta. Bulletin No. 695. July 1984. 43 pp.

- C. W. Antill, E. E. Dorr, H. V. Marsh, Jr., and B. J. Morzuch. The Economics of Cooperative Marketing of Fresh Vegetables in Massachusetts. Massachusetts Agr. Exp. Sta. Bulletin No. 690. June 1984. 30 pp.
- P. J. Vittum, B. J. Morzuch and G. W. Moorman. Assessment of Pesticide and Plant Growth Regulator Use for Chrysanthemums in Massachusetts. Final Report for CSRS Project No. 101-NE-MA-0. January 1984. 31 pp.
- D. J. Dudek, P. G. Allen, C. E. Willis and B. J. Morzuch. A Proposal To Provide Yield Insurance For Cranberries. Interim Report on USDA-ES Cooperative Agreement No. 12-05-300-678. October 1983. 26 pp.
- B. J. Morzuch, J. Kneip, and D. Smith. An Econometric Approach to Modeling the Effects of Weather and Technology on Cranberry Yields. Massachusetts Agr. Exp. Sta. Bulletin No. 683. June 1983. 26 pp.
- R. J. Precheur, B. J. Morzuch, and D. N. Ferro. Maximizing Vegetable Yields and Economic Returns on Small Farms. Massachusetts Agr. Exp. Sta. Bulletin No. 676. February 1982. 40 pp.
- K. A. Converse and B. J. Morzuch. "A Descriptive Model of Snowshoe Hare Habitat." The Use of Multivariate Statistics in Studies of Wildlife Habitats. Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado. August 1981. pp. 232-241.
- P. G. Allen, J. K. Hagerty, and B. J. Morzuch. The Feasibility of Providing Emergency Storage for Feed Grains in New England. Massachusetts Agr. Exp. Sta. Bulletin No. 663. December 1979. 45 pp.
- M. B. Johnson, B. J. Morzuch. Monopsony Power, Teacher Compensation, and Power Equity. Agricultural Economics Staff Paper No. 157. Department of Agricultural Economics, University of Wisconsin-Madison. March 1979. 17 pp.
- R. Weaver, B. J. Morzuch, and P. G. Helmberger. Acreage Supply Response: Spring Wheat in the Dakotas. Institute for Environmental Studies, University of Wisconsin-Madison. IES Report 76. April 1977. 36 pp.
- B. J. Morzuch. A Study of the Timing of Commercial Aircraft Orders and Orders/Delivery Lag for Aerospace Production. McDonnell Douglas Aircraft Corporation, St. Louis, Missouri. 1973.

C. Papers Presented

- Bernard J. Morzuch, Moonyoung Baek, and P. Geoffrey Allen. "Comparison of Forecast Accuracy for Holt-Winters-Type Methods Based on Various Model Structures in the Context of High-Frequency Data With Double Seasonal Patterns." Presented at the 28th International Symposium on Forecasting, June 22-25, 2008, Nice, France [Abstract p. 46]

- P. Geoffrey Allen, Moonyoung Baek, and Bernard J. Morzuch. "Is Aggregation Necessarily Bad? (with Apologies to Grunfeld and Griliches)." Presented at the 28th International Symposium on Forecasting, June 22-25, 2008, Nice, France [Abstract p. 93]
- Bernard J. Morzuch, Moonyoung Baek, and P. Geoffrey Allen. "Forecasting High-Frequency Data With Multiple Seasonal Patterns." Presented at the 27th International Symposium on Forecasting, June 24-27, 2007, New York, New York [Abstract p. 54]
- Bernard J. Morzuch and P. Geoffrey Allen. "Forecasting Hospital Emergency Department Arrivals," Presented at the 26th International Symposium on Forecasting, June 11-14, 2006, Santander, Spain [Abstract p. 65]
- P.G. Allen and B. Morzuch. "Twenty-Five Years Of Progress, Problems, And Conflicting Evidence In Econometric Forecasting. What About The Next 25 Years?" Presented at the 25th Annual Symposium on Forecasting, San Antonio, Texas, June 12-15, 2005.
- B. Morzuch, D. Eitel, and P. Manolakos. "Forecasting Hospital Emergency Department Arrivals." Presented at the 25th Annual Symposium on Forecasting, San Antonio, Texas, June 12-15, 2005.
- B. Morzuch. "What A Business Forecaster Should Know About Econometric Models." Presented at the 2005 Forecasting Summit, Orlando, Florida, February 14-16, 2005.
- B. J. Morzuch and P. G. Allen. "The Importance of Within-Sample Misspecification Tests When Constructing Prediction Intervals." Presented at the 22nd Annual Symposium on Forecasting, Dublin, Ireland, June 23-26, 2002.
- B. J. Morzuch, R. Macik, and P. G. Allen. "Aggregate vs. Disaggregate Forecasts in Macroeconomic Modeling: The Manufacturing Sector for Poland." Presented at the 21st Annual Symposium on Forecasting, Pine Mountain, GA, June 17-20, 2001.
- B. J. Morzuch and P. G. Allen. "Narrowness of Prediction Intervals Revisited." Presented at the 20th Annual Symposium on Forecasting, Lisbon, Portugal, June 21-24, 2000.
- P. G. Allen and B. Morzuch. "Econometric Model of the Paraguayan Economy." Presented at the 19th Annual Symposium on Forecasting, Washington, D.C., June 27-30, 1999.
- B. Morzuch. "Using Statistics in Developing Site Strategies." Presented at the 14th Annual Conference on Contaminated Soils, Amherst, MA, October 19-22, 1998.
- P. G. Allen and B. J. Morzuch. "The Use of Within-Sample Misspecification Tests When Analyzing Post-Sample Performance of a Forecasting Model." Presented at the Eighteenth International Symposium on Forecasting, Edinburgh, Scotland, June 10-13, 1998.
- P. G. Allen and B. J. Morzuch. "Further Evidence on Why Prediction Intervals Are (Almost) Always Too Narrow." Presented at the Seventeenth International Symposium on Forecasting, Barbados, June 19-21, 1997.

- C. E. Heim and B. J. Morzuch. "Urbanization, Convergence, and Divergence of Per Capita Incomes Across U.S. States, 1930-1990." Presented at the Washington Area Economic History Seminar, November 7, 1997.
- P. G. Allen and B. J. Morzuch. "So Why Are Prediction Intervals (Almost) Always Too Narrow?" Presented at the Sixteenth International Symposium on Forecasting, Istanbul, Turkey, June 24-26, 1996.
- B. J. Morzuch and P. G. Allen. "Comparison of Probability Forecasts from the Kernel Estimation Method and from Theoretical Distributions." Presented at the Fifteenth International Symposium on Forecasting, Toronto, Canada, June 4-7, 1995.
- S. Machuga and B. Morzuch. "Nonlinear Returns/Earnings Relationships and the Valuation Relevance of Earnings Levels and Expectation Errors." Presented at the American Accounting Association 1995 Annual Conference, Hartford, CT, April 20-22, 1995.
- B. J. Morzuch and P. G. Allen. "Improved Probability Forecasts Derived from Theoretical Distributions." Presented at the Fourteenth International Symposium on Forecasting, Stockholm, Sweden, June 12-15, 1994.
- P. G. Allen and B. J. Morzuch. "Comparing Probability Forecasts Derived From Theoretical Distributions." Presented at the Thirteenth International Symposium on Forecasting, Pittsburgh, PA, June 12-15, 1993. 20 pp.
- G. Adams, P. G. Allen and B. J. Morzuch. "Probability Distributions of Short-term Electricity Peak Load Forecasts." Presented at the Ninth International Symposium on Forecasting, Vancouver, B. C., June 18-21, 1989. 18 pp.
- B. J. Morzuch. "An Explanation of Bootstrapping Techniques in Forecasting." Presented at the Load Forecasting Task Force Meeting, Mystic, CT, August 18, 1988.
- R. A. Dismukes, P. G. Allen and B. J. Morzuch. "Farmer Participation in Crop Insurance for Cranberries." Presented at the AAEA Annual Meeting, East Lansing, MI, August 2-5, 1987.
- R. A. Dismukes, P. G. Allen and B. J. Morzuch. "Farmer Participation in Cranberry Crop Insurance." Presented at the NAREA Annual Meeting, Kingston, RI, June 22-24, 1987.
- P. Geoffrey Allen and Bernard J. Morzuch. "Crop Yield Forecasts and Their Value." Presented at the Fourth International Symposium on Forecasting, London, England, July 8-11, 1984. Also presented as "Do Bad Weather Forecasts Make Good Explanatory Variables?" Presented to the American Agricultural Economics Association, Ithaca, New York, August 5-8, 1984. (Abstract) *Northeast J. Agr. Resource Econ.*, 13:286, October 1984.

- R. J. Precheur and B. J. Morzuch. "Maximizing Sweet Corn Yield on a Small Farm." Presented at the American Society for Horticultural Science Annual Meeting, Dallas, TX, October 20, 1983.
- B. J. Morzuch. "Econometric Methods for Forecasting Cranberry Yields." Presented at the Cranberry Research and Extension Workers' Conference Program in East Wareham, MA, September 14, 1982.
- B. J. Morzuch and J. D. Wilson. "Feasibility of Wood Fiber Producers' Cooperatives in New England and Sawtimber and Cordwood Cooperatives in Massachusetts." Presented at the Conference on Woodland Owner Associations, Woodstock, VT, March 26, 1982.
- B. J. Morzuch. "Costs of Production and Yield Information for Selected Vegetable Crops Derived From Experimental Plots." Presented at the Vermont Small Fruit and Vegetable Growers' Association Program, Woodstock, VT, February 25, 1982.
- B. J. Morzuch and C. E. Willis. "Value of Weather Information In Cranberry Marketing Decisions." Presented at the American Meteorological Society's 61st Annual Meeting in San Diego, CA, January 20, 1981.
- K. M. Moore and B. J. Morzuch. "The Value of Information From Water Sampling." Presented at the American Meteorological Society's 61st Annual Meeting in San Diego, CA, January 20, 1981.
- B. J. Morzuch. "A Statistical Model for Determining Cranberry Yields from Weather Data." Presented to Ocean Spray Cranberries, Inc., July 1980, with updates in August 1980, November 1981, and August 1982-85.
- K. A. Converse and B. J. Morzuch. "A Descriptive Model of Snowshoe Hare (*Lepus Americanus*) Habitat." Presented at the workshop program on the Use of Multivariate Statistics in Studies of Wildlife Habitat, Burlington, VT, April 24, 1980.
- B. J. Morzuch. "Research Expenditures, Education, Weather Variables, and the Agricultural Production Function." Presented at the joint meetings of the American Agricultural Economics Association and the Western Agricultural Economics Association in San Diego, CA, August 1977.
- J. R. Malko and B. J. Morzuch. "Peak Load Pricing in Wisconsin: An Update." Public Service Commission of Wisconsin, Madison, presented at the National Rural Electric Cooperative Association's Load Management Conference in Kansas City, April 1977.

D. Seminars Given

- B. J. Morzuch. "Managing Large Classes." Presented at the 8th Annual Conference of the Massachusetts Faculty Development Consortium, College of the Holy Cross, Worcester, MA, November 4, 1994.

- B. J. Morzuch. "Estimating Peak Load Forecast Distributions in the Electrical Industry." Presented to the Department of Mathematics and Statistics, University of Massachusetts, September 27, 1993.
- B. J. Morzuch. "Personal Perspectives on Increasing Teaching Effectiveness." Presented to College of Food and Natural Resource Faculty, University of Massachusetts, March 1991.
- B. J. Morzuch. "Teaching a Large Mathematics-Oriented Class: The Benefits of Moving Slowly and Involving Students in Lectures." Presented to university faculty, University of Massachusetts, September 1990.
- B. J. Morzuch. "Motivating Students." Presented to high school teachers from Massachusetts and Rhode Island as part of a Teachers' Workshop for the Junior Science and Humanities Symposium, University of Massachusetts, April 1990.
- B. J. Morzuch. "A Preliminary Economic Analysis of Fish Hydrolysate Fertilizer for Use in Cranberry Production." Presented at the University of Massachusetts Marine Station, Gloucester, MA, July 20, 1988.
- B. J. Morzuch. "Increasing Agricultural Profitability and Choosing Among Agricultural Alternatives." Presented at the Competitiveness and Profitability in Agricultural and Priority Initiative Meeting, University of Massachusetts, June 7, 1988.
- B. J. Morzuch. "Enterprise Budgeting." Presented as part of in-service training session sponsored by the Northeast Farm Management Committee, on Nov. 6, 1987 in Keene, NH and on Nov. 11, 1987 in Newark, DE.
- B. J. Morzuch. "Costs of Producing Vegetables in New England." Presented at the New England Vegetable Growers' Convention, Boxborough, MA, December 3, 1985.
- B. J. Morzuch. "Bayesian Decision Theory and Integrated Pest Management of the Colorado Potato Beetle." Presented to the Department of Agricultural and Resource Economics, University of Massachusetts, October 1985.
- B. J. Morzuch. "Crop Insurance For Cranberry Growers." Presented at the Cranberry Growers' Meeting, East Wareham, MA, August 20, 1985.
- B. J. Morzuch. "Cost of Production and Returns for Selected Cranberry Operations." Presented at the National Cranberry Conference, Hyannis, MA, April 30, 1985.
- B. J. Morzuch. "Attitudes Toward Risk and Impact of Crop Insurance on Risk." Presented at the Federal Crop Insurance Training Program, Auburn, MA, March 28, 1985.
- B. J. Morzuch. "Yield Predictions for Cranberries in Massachusetts Based upon Aggregate vs. Disaggregate Data Series." Presented at the Cranberry Workers Conference, Chatsworth, NJ, September 17, 1984.

- B. J. Morzuch. "The Economics of Agricultural Cooperatives and Its Application To Forestry." Presented to the Down East RC&D Forestry Committee, Cherryfield, ME, January 1981.
- B. J. Morzuch. "Some Methodological Issues in Farm Management Research." Presented to the Northeast Farm Management Committee, South Deerfield, MA, June 1980.
- B. J. Morzuch. "Principal Components in Regression Analysis and the Problem of Multicollinearity." Presented to the Department of Forestry and Wildlife Biology, University of Massachusetts, August 15, 1979.