

# Michael D. Duffy

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## Current Position and Responsibilities:

Full Professor, Iowa State University, Department of Economics, 1992.

- Extension Economist/Professor of Economics (50 percent appointment):  
Major duties include:

Administrator for ISU Extension Farm Financial Management Program. This program supports 6 part-time employees throughout the state who perform financial analysis for farm families. Responsible for updating and training employees.

Iowa State University land contact. Conduct the yearly Iowa State University land value survey. Leader of the Farm Study Group which prepares the annual Soil Management and Land Valuation conference. This includes coordinating with the Iowa Real Estate Commission for continuing education credit in both real estate and appraisal for the conference. Conduct the five-year Iowa Land Ownership survey as directed by the Iowa Legislature. Answer media and individual questions on Iowa land values.

Prepare annual Estimated Costs of Crop Production and respond to media and requests for information on costs. Help with Extension farm management programming throughout the state. This includes providing in-service training for Extension field staff. Analyze government conservation and beginning farmer programs.

Director of Graduate Education for Graduate Program in Sustainable Agriculture; there are 58 students and 82 faculty in the program.

Current research includes analysis of all aspects of sustainable agriculture and issues relating to beginning and retiring farmers. Changes in land ownership patterns are another major research area. This work includes numerous aspects of farmland including estimation of components of farmland prices, impact of soil erosion on land value and returns to an investment in farmland relative to alternatives, especially the S&P 500. Other areas of research include energy and the bioeconomy including the use of switchgrass as an alternative energy source. The disappearance of farms in the middle size categories is a regional project related to the causes and impacts of this phenomenon. The research also includes estimation of the external costs of agricultural production, impact of government programs on beginning farmers and land values and the estimation of the impacts of alternative food systems on farm profitability.

Maintain media contact in print, internet and radio outlets. Contribute to news stories and respond to other requests for information and interviews. Perform extensive outreach activities.

## **Past Experience:**

1981 – 1984 Agricultural Economist with the U.S. Department of Agriculture Economic Research Service. Research involved economic evaluation of various pest management projects and working with multidisciplinary research teams. Duties also involved coordinating with individuals and groups awarded contracts from the branch.

## **Education:**

1977 – 1981 The Pennsylvania State University, University Park, Pennsylvania. Graduated November 1981 with a Ph. D. in Agricultural Economics. Grade point average was 3.44 on a 4.0 scale. Dissertation entitled, Mushroom Integrated Pest Management and the Costs of Current Management Techniques. Dissertation funded by grant from USDA. Completed three hours supervised college teaching in Land Policy and Farm Management.

1975 - 1977 University of Nebraska, Lincoln, Nebraska. Graduated May 1977 with a M.S. Degree in Agricultural Economics. Main course emphasis was in resource economics. Grade point average was 3.85 on a 4.0 scale. Master's thesis entitled, An Economic Evaluation of Pest Management Services in Nebraska.

1970 - 1975 University of Nebraska, Lincoln, Nebraska. Graduated May 1975 with a B.S. in Natural Resources, Parks and Recreation Management.

## **Previous Positions at Iowa State University:**

- Director, Beginning Farmer Center, 1994 – 2012
- Chair, Graduate Program in Sustainable Agriculture, 2007 – 2009
- Associate Director, Leopold Center for Sustainable Agriculture, 1992 – 2005
- Area Extension Farm Management Field Specialist, 1984 – 1985
- Assistant Professor, Department of Economics, 1985 – 1989
- Associate Professor, 1989 – 1992
- Assistant Extension Ag Program Leader, 1991

## **International Experience:**

- 2006 Presentation, Queensland Farmer Federation, Coolool, Australia
- 2005 Presentation, EUROLAN final meeting, Vienna, Austria
- 2005 Guest Lecturer, La Molina University, Lima, Peru
- 2004 Mentor for Romania Scientist with Norman E. Borlaug International Science and Technology Fellows Program
- 2003 Visiting Fellow, Enhancing Science Networks, Department of Natural Resources and Environment, Victoria, Australia
- 2000 Mentor for visiting Samoan scientist
- 1998 Faculty advisor, ISU study abroad, China
- 1997 Member of Swedish swine industry study tour
- 1996 Delegate on People-to-People tour of Kenya
- 1996 Member of evaluation team for Winrock International sustainable agriculture projects in China
- 1996 Mentor for visiting Armenian scientist
- 1995 Attendee and presenter at the International Agriculture and an Environment Conference, Kiev, Ukraine
- 1995 Delegate People-to-People tour of China
- 1993-94 Member Extension formation committee, Czech Republic
- 1993 Leader of needs assessment team, Czech and Slovak Republics
- 1991-92 Member of restructuring team, Czechoslovakia

### **Awards:**

- 2013 Dean's Citation for Extraordinary Contributions, Iowa State University College of Agriculture and Life Sciences
- 2012 Carl F. Hertz, Distinguished Service to Agriculture, American Society of Farm Managers and Rural Appraisers
- 2007 Certificate of Excellence, Publications, Am. Society of Agronomy
- 2007 Achievement by an Educational Team, John Deere School, ISU Extension
- 2004 ISU College of Agriculture Outstanding Achievement in Extension
- 2002 Achievement by an Educational Team, Farm Bill Education Team, ISU Extension
- 1999 Achievement Award, Manure Nutrient Management, ISU Extension
- 1998 Outstanding Achievement in Public Issue Education, Farm Foundation
- 1997 Achievement Award, ISU Extension
- 1996 Sustainable Agriculture Achievement Award, Practical Farmers of Iowa
- 1993 Epsilon Sigma Phi, Team Award, Iowa State University
- 1991 College Outstanding Applied Research/Extension Award, Iowa State University
- 1991 Environmental Achievement Award, National Environmental Awards Council
- 1990 Epsilon Sigma Phi Certificate of Meritorious Service, Iowa State University
- 1984 Administrator's Special Merit Award of Outstanding Research, USDA

### **Selected Publications:**

- Duffy, Michael and M. Stinn. "What is the Precision of Land Survey Values?," Choices Magazine, Agricultural and Applied Economics Association, 3<sup>rd</sup> Quarter 2012.
- Duffy, Michael, "The Current Situation on Farmland Values and Ownership," Choices Magazine, Agricultural and Applied Economics Association, July, 2011.
- E. Aaalau Rojas, M.L. Gleason, J.C. Batzer, M.Duffy, "Feasibility of Delaying Removal of Row Crops to suppress Bacterial Wilt of Muskmelons," Plant Diseases, Vol.95, No. 6, June, 2011.
- Duffy, Michael, "Economies of Size in Production Agriculture," Journal of Hunger & Environmental Nutrition, Vol. 4, Issue 3, pp 375-392, Taylor and Francis Group, London, 2009.
- Epley, Ethan, JR Baker, and M. Duffy, "Iowa Farmers Business and Transfer Plans," Iowa State Ext Pub., Ames, IA, PM 2074, 2009.
- Duffy, Michael and D. Smith. "Farmland Ownership and Tenure in Iowa, 2007," Iowa State Ext Pub., Ames, IA, PM 1983, Nov. 2008.
- Duffy, Michael. The Clock is Ticking for Rural America in Sustainable Land Management; Strategies to Cope with the Marginalisation of Agriculture, ed F. Brouwer, et al, Edward Elgar Pub. Ltm., The Lypiatts, 15 Lansdown Rd., Cheltenham, UK, 2008.
- Duffy, Michael. The Changing Status of Farms and Ranches of the Middle in Food and

- the Mid-Level Farm Renewing an Agriculture-of-the-Middle, MIT Press, Cambridge, MA, 2008.
- Duffy, Michael. How Bioenergy Could Change Land Ownership and Values, in Perspectives on 21<sup>st</sup> Century Agriculture: A Tribute to Walter J. Armbruster, ed R. Knutson, S. Knutson, & D. Ernstes, Farm Foundation, Oak Brook, IL, 2007.
- Duffy, Michael, “Estimated Costs for Production, Storage, and Transportation of Switchgrass,” Iowa State Ext. Pub., Ames, IA, PM 2042, 2007.
- C. Francis, R. Elmore, J. Ikerd, M. Duffy, “Greening of Agriculture: Is it all a Greenwash of the Globalized Economy?,” Journal of Crop Improvement, Vol. 19, Nos.1 / 2, Haworth Press, Binghamton, NY, 2007.
- D. Karlen, E. Hurley, S Andrews, C. Cambardella, M. Meek, Michael Duffy, A. Mallarenio, “Crop Rotation Effects on Soil Quality at Three Northern Corn/Soybean Locations,” Agronomy Journal, Vol. 98, 3, pp. 484-495, May/June, 2006.
- Holste, Ann and Michael Duffy. “Estimating Returns to Iowa Farmland,” Journal of Farm Managers and Rural Appraisers, Denver, CO, Vol. 68, No. 1, pp. 102-109, July 2005.
- Tegtmeier, Erin M. and Michael D. Duffy. “External Costs of Agricultural Production in the United States,” International Journal of Agricultural Sustainability, Vol. 2, No. 1, Channel View Publications, Clevedon, UK, 2004.
- Delate, K., M. Duffy, C. Chase, A. Holste, H. Friedrich and N. Wantate. “An Economic Comparison of Organic and Conventional Grain Crops in a Long-Term Agroecological Research (LTAR) Site in Iowa.” Journal of Alternative Agriculture, Vol. 18, No. 2, 2003.
- Hipple, P. and M.D. Duffy, “Farmer’s Motivation for Adoption of Switchgrass” in Trends in New Crops and New Uses, ed. J. Janich and A. Whipkey, pp. 252-266, ASHA Press, Alexandria, VA, 2002.