

David L. Debertin

Professor

Tenured

DOE over period

Average 30% T 70% R

Degrees Received:

Institution

Degree Date

Major

North Dakota State University

B.S. 1969

Ag. Education - Agronomy

North Dakota State University

M.S. 1970

Ag. Economics

Purdue University

Ph.D. 1973

Ag. Economics

Assistant Professor of Ag. Economics, Purdue University, Aug., 1973- June, 1974

Assistant Professor of Ag. Economics, University of Kentucky, June, 1974- July, 1976

Associate Professor of Ag. Economics, University of Kentucky, July, 1976- July, 1979

Editor, *Journal of Agricultural and Applied Economics* 1993-1995 Volumes

Professor of Ag. Economics, University of Kentucky, July, 1979- present

Editor, the *Review of Agricultural Economics* for the 1997 and 1998 volumes.

Hatch Projects

KY 4017 *Technological Progress in Agriculture, Farmers and Rural Communities* PI start date of 5/1/01 and termination date of 9/30/05.

KY 4007 *Agricultural Industrialization and globalization: Implications for Rural Economies* (co-PI with Dr. Pagoulatos & Fleming)

Regional Project

S-283 *Develop and Assess Precision Farming Technology and Its Economic and Environmental Impacts* (Official Technical Committee member).

Recently Funded Projects

Co-PI, USDA NRI/CGI, Wages, Jobs and the Environment: Policy Choices for Rural Areas, Sept. 30, 2000-Sept. 29, 2001,\$60,000

Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers. "Precision Farming Adoption in Kentucky: The Role of Capital Costs and Farm Size" USDA Grant.....\$54,900
(principal investigator on the above 2-year project)

Assessing the Impacts of Welfare Reform co-PI Southern Rur.Dev.Center Grant.....\$36,000
(\$20,000 to UK)

Articles in Refereed Publications

Debertin, David L. and John M. Huie. "What Can the Public School Do to Reduce Dropout Numbers." *Southern Journal of Agricultural Economics* 6:2, 1974.

Debertin, David L., "Significance Tests of Regression Coefficients: An Additional Reminder," *American Journal of Agricultural Economics* 57:1, 1975.

Debertin, David L., Gerald A. Harrison, Robert J. Rades and Lawrence P. Bohl, "Estimating the Return to Information: A Gaming Approach," *American Journal of Agricultural Economics* 57:2, May 1975.

Debertin, David L., and R.J. Freund, "The Deletion of Variables from Regression Models Based on Tests of Significance: A Statistical and Moral Issue," *Southern Journal of Agricultural Economics* 7:1, 1975.

Debertin, David L., and John M. Huie, "Projecting Economic Activity Within Individual Towns and Cities: An Exploratory Study," *Journal of the Community Development Society* 6:1, 1975.

Debertin, D.L. and John M. Huie, "Secondary Education and Its Impact on the Performance of Purdue University Freshmen," *Journal of Socioeconomic Planning Sciences*, 9:3, 1975, Pergamon Press, Oxford, England.

Debertin, D.L., and John M. Huie, "Factors Influencing the Demand and Supply of Public School Teachers: An Exploratory Analysis," *Journal of Socioeconomic Planning Sciences*, 9:6, 1975, Pergamon Press, Oxford, England.

Freund, R.J., and D.L. Debertin, "Variable Selection and Statistical Significance," *American Journal of Agricultural Economics* 57:4, 1975.

Debertin, D.L., and G.L. Bradford, "Conceptualizing and Quantifying Factors Influencing the Growth and Development of Rural Economies," *Annals of Regional Sciences* 10:1, 1976.

Debertin, D.L., R.J. Rades and G.A. Harrison, "Returns to Information, An Addendum," *American Journal of Agricultural Economics* 58:2, 1976.

Debertin, David L., "Estimating Education Production Functions in Rural and Urban Areas," *Southern Journal of Agricultural Economics* 8:2, 1976.

Grunewald, O.C., C.T. Haan, David L. Debertin and D.I. Carey, "Rural Residential Water Demand: An Econometric and Simulation Analysis," *Water Resources Bulletin* 12:5, October, 1976.

Debertin, David L., Angelos Pagoulatos and Garnett L. Bradford, "Computer Graphics: An Educational Tool in Production Economics," *American Journal of Agricultural Economics* 59:4, 1977.

Debertin, David L., "Impacts of Community Characteristics on the Attributes of Public Education," *Southern Journal of Agricultural Economics* 9:2, 1977.

Debertin, David L., and John M. Huie, "Impacts of Socioeconomic Characteristics of a Community on the Availability of Resources for Public Education," *Annals of Regional Sciences* 1:2, 1977.

Infanger, Craig, Lynn Robbins and David L. Debertin, "Interfacing Research and Extension in Information Delivery Systems," *American Journal of Agricultural Economics* 60:5, 1978.

Pagoulatos, Angelos, David L. Debertin and Emilio Pagoulatos, "Impact of Selected Price Policies on the Demand for Crude Oil," *Western Journal of Agricultural Economics*, July, 1978.

Pagoulatos, Emilio, David L. Debertin and Angelos Pagoulatos, "Effects of EEC Agricultural Policy on European Imports of Meat, Dairy Products and Eggs," *Southern Journal of Agricultural Economics*, 10:1, 1978.

Debertin, David L., Lynn Robbins and Larry Jones, "Kentucky's ANSER, Agricultural Network Serving Extension and Research," *American Journal of Agricultural Economics*. August, 1979.

Debertin, David L. and Angelos Pagoulatos, "Impacts of Declining Enrollments on Educational Costs in Rural Areas" *North Central Journal of Agricultural Economics* 2:1, Jan., 1980.

Debertin, David L. and Angelos Pagoulatos, "Energy Alternatives on Agriculture: Implications for the South," *Southern Journal of Agricultural Economics* 12:1, July, 1980.

Debertin, David L., Angelos Pagoulatos and Eldon Smith, "Estimating Linear Probability Functions: A Comparison of Approaches," *Southern Journal of Agricultural Economics* 12:2, Dec., 1980.

Debertin, David L., Charles L. Moore Sr., Larry D. Jones and Angelos Pagoulatos, "Impacts on Farmers of a Computerized Management Decisionmaking Model," *American Journal Agricultural Economics* 63:2, May, 1981.

Debertin, David L., Angelos Pagoulatos, and Abdessalem Aoun, "Determinants of Farm Mechanization in Kentucky: An Econometric Analysis." *North Central Journal of Agricultural Economics* 4:2, July, 1982.

Pagoulatos, Angelos, David L. Debertin, and William Johnson, "An Econometric Analysis of Qualitative Choice Among Performance Characteristics of Agricultural Tractors." *Southern Journal of Agricultural Economics* 14:2, Dec. 1982.

Luzar, E. Jane, D. L. Debertin and Angelos Pagoulatos, "Revenue Tradeoffs: Implications for State Government Finance." *Socioeconomic Planning Sciences* 18:1 1983.

Debertin, David L. Review of "Value Judgments in Publicly Supported Research" *Southern Journal of Agricultural Economics* 15:1, 1983.

Debertin, David L., Rodney L. Clouser and Angelos Pagoulatos, "Impacts of Property Tax Relief on Educational Expenditures in Rural Areas. *North Central Journ. of Agricultural Economics* 6:2, July, 1984.

Debertin, David L. "Developing Realistic Agricultural Production Functions for Use in Undergraduate Classes." *Southern Journal of Agricultural Economics* 18:2, Dec. 1985.

Debertin, David L., and Angelos Pagoulatos. "Optimal Management Strategies for Alfalfa Production within A Total Farm Plan." *Southern Journal of Agricultural Economics* 18:2 Dec. 1985.

Bradford, Garnett L. and David L. Debertin. "Establishing Linkages between Economic Theory and Enterprise Budgeting for Teaching and Extension Programs." *Southern Journal of Agricultural Economics* 18: 2, Dec. 1985.

Pagoulatos, Angelos, Kostas Mattas and David L. Debertin. "A Comparison of Some Alternatives to Input-Output Multipliers" *Land Economics* 62: 4, Nov. 1986.

Debertin, David L., Rodney L. Clouser, and John M. Huie. "Rural Poverty and Funding for Education." *Policy Studies* 15:2, Dec., 1986.

Pagoulatos, Angelos, Sylvie Marzin and David L. Debertin "Diversification and Farm Acreage Variation in Kentucky Counties." *North Central Journal of Agricultural Economics* 9:1 Jan., 1987.

Debertin, David L. and Garnett L. Bradford, "Agricultural Economics Research and the Experiment Station System." *Southern Journal of Agricultural Economics* 20:2, Dec. 1987.

Shrestha, C. M., David L. Debertin, and Kurt R. Ansel. "Stochastic Efficiency versus Mean Variance Criteria as Predictors of Adoption of Reduced Tillage: Comment" *American Journal of Agricultural Economics* 68: 4, 1987.

Debertin, David L. and Craig L. Infanger. "Welfare Programs, Farm Programs, and the Negative Income Tax." *Policy Studies Review*, 7:4 1988.

Pagoulatos, Angelos, David L. Debertin and Fachurrozi Sjarkowi. "Soil Erosion, Intertemporal Decisionmaking, and the Soil Conservation Decision." *Southern Journal of Agricultural Economics* 22:2, 1989.

Debertin, David L., Angelos Pagoulatos and Abdessalem Aoun. "Impacts of Technological Change on Factor Substitution in U.S. Agriculture: 1950-1979." *Energy Economics* 12:1 1990.

Debertin, David L. and Angelos Pagoulatos. "Categorizing State Economies and Forecasting Differential Economic Growth Rates." *Best Papers*, Atlantic Economic Society. January, 1991.

Debertin, David L., Angelos Pagoulatos and Garnett L. Bradford. "New Applications of Three-Dimensional Computer Graphics in Production Economics." *Review of Agricultural Economics* 13:1 January, 1991.

Debertin, David L. and Larry D. Jones. "Applications of Computer Graphics to Undergraduate Instruction in Agricultural Economics." *American Journal of Agricultural Economics*. 73:1. Feb. 1991.

Debertin, David L. and Angelos Pagoulatos. "Research in Agricultural Economics, 1919-1990: Seventy-two Years of Change." *Review of Agricultural Economics* 14:1 January, 1992.

Goetz, Stephan J. and David Debertin. "Regional Analysis of Kuznet's Hypothesis Using County-Level Data, *Atlantic Economic Journal Best Papers*, 2:1, January, 1992, pp 206-210.

Goetz, Stephan J. and David L. Debertin, "Rural Areas and Educational Reform in Kentucky: an Early Assessment of Revenue Equalization," *Journal of Educational Finance* 18:2, Fall, 1992, 163-79.

Debertin, David L. "An Animated Instructional Module for Teaching Production Economics with 3-D Graphics." *American Journal of Agricultural Economics*. 75:2. May, 1993 485-91.

Goetz, Stephan J. and David L. Debertin. "Estimating County-Level Demands for Educational Attainment." *Socioeconomic Planning Sciences Journal*. 27: 1993 pp. 25-34.

Debertin, David L. "Rural Development Issues for Agricultural Economists in the Year 2000: Discussion." *American Journal of Agricultural Economics* 75:5 December, 1993.

Debertin, David L., E.Jane Luzar and Orlando D. Chambers. "A Protocol or a Set of Standards to Guide Agricultural Economics Research." *Journal of Agricultural and Resource Economics* 20(1): 82-95 (July, 1995)

Mwana N. Mawampanga and David L. Debertin "Choosing Between Alternative Farming Systems: An Application of the Analytic Hierarchy Process." *Review of Agricultural Economics* 18:3 September, 1996 pp. 385-401.

Goetz, Stephan J. and David L. Debertin., "Rural Population Decline in the 1980s: Impacts of Farm Structure and Federal Farm Programs" *American Journal of Agricultural Economics* 78:3, August, 1996.

Goetz, Stephan J. and David L. Debertin., "Rural-Urban Locational Choices of Medical Doctors:A County-Level Analysis. *Review of Agricultural Economics* 18:4 October, 1996 pp. 547-63.

Debertin, David L. Review of Allan N. Rae, "Agricultural Management Analysis, Activity Analysis and Decisionmaking, *American Journal of Agricultural Economics* 77:3 (August, 1995) pp. 821-3 (Book Review)

Goetz, S. J., D. Hu and D. L. Debertin, "A Structural Model of Human Capital and Manufacturing Sector Change,"*International Advances in Economic Research* 2:1996.

Gallacher, Marcos, Stephan J. Goetz and David L. Debertin, "Efficiency Effects of Institutional Factors: Limited Resource Farms in Northeast Argentina," in R.Ross, M. Bellamy and C. Tanner, eds., *Issues in Agricultural Competitiveness: Markets and Policies*, International Assoc. of Agricultural Economists, Occasional Paper #7, 1997, pp.68-76.

Goetz, Stephan J. and David L. Debertin, "School Finance Reform", in J.C. Lindle, J.M. Petrosko, and R.S. Pankratz, eds. *1996 Review of Research on the Kentucky Educational Reform Act*. Univ of Ky/Univ. Of Louisville Center for the Study of Educational Policy, Lexington, KY, May, 1997, pp 271-286.

Goetz, Stephan J., David L. Debertin and Angelos Pagoulatos, "Linkages Between Human Capital and the Environment: Implications for Sustainable Economic Development" in R.Ross, M. Bellamy and C. Tanner, eds., *Issues in Agricultural Competitiveness: Markets and Policies*, International Assoc. of Agricultural Economists, Occasional Paper #7, 1997, pp. 336-43

David L. Debertin and Stephan J. Goetz. "A Comparison of Social Capital in Rural and Urban Settings" in *Proceedings: Using Housing Policy to Build Healthy Communities: A Response to Devolution and Welfare Reform*, Fannie Mae Foundation, April, 1997 Housing Conference, Washington DC.

Goetz, Stephan J., David L. Debertin and Angelos Pagoulatos, "Human Capital Income, and Environmental Quality: A State-Level Analysis." *Agricultural and Resource Economics Review* 27:2, October, 1998.

Ngarambé, Octavian, Stephan J. Goetz and David L. Debertin, "Regional Economic Growth and Income Distribution: County-Level Evidence from the US South," *Journal of Agricultural and Applied Economics* , 30 (December, 1998) :325-337.

Debertin, David L. Review of *Urban-Regional Economics, Social System Accounts and Eco-Behavioral Science: Selected Writings by Karl A. Fox*. Ed. James R. Prescott, Paul Van Moeske, and Jati K. Sengupta. Ames Iowa, Iowa State Univ Press (book review) *Growth and Change* 31, Summer, 2000, pp. 438-441.

Debertin, David L. Review of Sydney C. James and Phillip R. Eberle, *Economic & Business Principles in Farm Planning and Production*. *NACTA Journal* (book review) 2000. Pp. 57-8

Debertin, David L. "Are American Farmers Better Off as a Result of Technology Gains?" *Journal of Agricultural and Applied Economics* 33:2 2001 pp. 327-339.

Debertin, David L., Corporate Strategy in the Tobacco Manufacturing Industry: The Case of Philip Morris *Review of Agricultural Economics* 23(2) Fall/Winter 2001 510-522.

Goetz, Stephan J. and David L. Debertin. "Why Farmers Quit::A County-Level Analysis" *Amer. J. Agr. Econ* 83(4) November, 2001 1010-1023.

Choices Articles and Commentary:

Choices is an *American Agricultural Economics Association* peer-reviewed publication in a "magazine" format that deals with rural policy and rural planning issues.

(1) Debertin, David L., "The Rural Health Care Dilemma." *Choices* 6:3, 1991 p. 38.

(2) Debertin, David L., "Re: Rural Health Care, Reply." *Choices* 6:4, 1991 p. 44.

(3) Debertin, David L., "There is a Future for the Land Grants, If..." *Choices* 7:3, 1992, special competition issue, p. 47.

The Third Quarter, 1992 issue was a special issue of *Choices* devoted to rural policy planning for the 21st Century. There were 126 entrants for the issue. My paper (3), above, was among the 21 that were selected by a panel of judges to comprise the special issue.

(4) Debertin, David L. "Yo Quiero Taco Bell Amarillo" *Choices*. Second Quarter, 2002

Books:

Debertin, David L. *Agricultural Production Economics* New York: Macmillan, Inc. 1986. a graduate level ag. production economics text. reviewed in *Am. J. Agr. Econ.*, May, 1987) Second Edition (draft) 1993

Debertin, David L. "Introduction to the Economics of Food and Agriculture: A Study Guide" Forthcoming 1990. Dubuque IA. Kendall Hunt. 400 pp.