

**CURRICULUM VITAE  
WILLIAM FRANKLIN LAZARUS**

**OFFICE ADDRESS**

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**EDUCATION**

<u>Date</u>	<u>Degree</u>	<u>Institution</u>
1973	B.S.	Pennsylvania State University (Agronomy)
1978	M.S.	Pennsylvania State University (Agricultural Economics)
1981	Ph.D.	University of Illinois, Urbana (Agricultural Economics)

**AREAS OF PROFESSIONAL WORK**

Crop and Livestock Production Economics, Farm Machinery Management, Renewable Energy, and Agricultural Policy

**PROFESSIONAL EXPERIENCE**

April 2002 to present	Extension Economist and Professor, Department of Applied Economics
July 2006 to June 2007	Visiting Scholar, Chief Economist's Office of Energy Policy and New Uses, U.S. Department of Agriculture, Washington, D.C. (Sabbatical Leave from the University of Minnesota)
June 1991 to April 2002	Extension Economist and Associate Professor, Department of Applied Economics
June 1988 to June 1991	Extension Economist and Assistant Professor, Department of Applied Economics
1981-1988	Assistant Professor, Department of Agricultural Economics, Cornell University
1978-1981	Research Assistant, Department of Agricultural Economics, University of Illinois
1978, 1975-1976	Research Assistant, Department of Agricultural Economics and Rural Sociology, Pennsylvania State University
1977	Economist, Bahamas Agricultural Research, Training and Development Project, with Pennsylvania State University (USAID), North Andros Island, Bahamas

**TEACHING RESPONSIBILITIES**

Apec 4501 Financial Applications, 2004 – 2006

**SELECTED PUBLICATIONS IN PAST FIVE YEARS**

**Chapters & Published Papers**

\*Gallagher, P., W. Lazarus, H. Shapouri, R. Conway and J. Duffield. "Some Health Benefits Of U.S. Clean Air Policy:A Statistical Analysis," Review of Economics and Statistics (submitted July 2008).

Lazarus, W.F. "Farm-based Anaerobic Digesters as an Energy and Odor Control Technology: Background and Policy Issues," Agricultural Information Bulletin 843, Office of Energy Policy and New Uses, Office of the Chief Economist, United States Department of Agriculture, February 2008.

Beddoes, J.C., K. S. Bracmort, R.T. Burns, and W.F. Lazarus. "An Analysis of Energy Production Costs from Anaerobic Digestion Systems on U.S. Livestock Production Facilities," Technical Note No. 1, USDA Natural Resources Conservation Service, October 2007.

Lazarus, W. and M. Rudstrom. "The Economics of Methane Digester Operation on Minnesota Dairy Farms" Review of Agricultural Economics 29(Summer 2007):349-364.

Lazarus, W. "Book Review of 'Win-Win? The Paradox of Value and Interests in Business Relationships,'" by Andrew Cox. Earlsgate Press, 2004," American Journal of Agricultural Economics, v. 89, no. 2, May 2007, pp. 351-353.

Ujszaszy, B., T.L. Burgess-Champoux, M. Reicks, W. Lazarus, and L. Marquart. "It's Time for Whole Grain Products in School Meals." Journal of Child Nutrition & Management. 28, Issue 2 (Fall 2004), <http://www.asfsa.org/childnutrition/jcnm/04fall/>

Lazarus, W.F., D.E. Platas, and G.W. Morse "IMPLAN's Weakest Link: Production Functions or Regional Purchase Coefficients?" Journal of Regional Analysis and Policy 32(2002):33-48.

Lazarus, W.F., D.E. Platas, and S. Guess-Murphy. "Evaluating the Economic Impacts of an Evolving Swine Industry: The Importance of Region Size." Review of Agricultural Economics 22(2002):458-473.

Lazarus, W.F. and R.G. Koehler. "Economics of Applying Nutrient-Rich Manure at Low Rates." Review of Agricultural Economics 24(2002):141-159.

#### **In-House Publications, Externally Peer Reviewed Prior to Publication**

Koehler, R., W.F. Lazarus, and M. Spiehs. "The 'Other Fertilizer': The Economic Value of Swine Finishing Manure," M1234, University of Minnesota Extension, St. Paul, 2008.

Lazarus, W.F. and M. Rudstrom. "Profits from Manure Power? Economic Analysis of the Haubenschild Farms Anaerobic Digester." Part of the Haubenschild Manure Digester Study of Environmental Impacts and Economic Consequences of Alternative Dairy Systems a fact sheet series by the Minnesota Project Incorporated, the USDA Natural Resources Conservation Service, and the University of Minnesota, September 2004.

Lazarus, W. and R. Selley. "Suggested Procedures for Estimating Farm Machinery Costs," Staff Paper P02-16, Dept of Applied Economics, U of MN, 217 COB, St. Paul, December 2002, 30 pages.

Lazarus, W.F., J. Conlin, K. Edberg, S. Carpenter, D. Johnson, and J. Linn. "Economic Topic IID, Industry Structure and Competitiveness, and Economic Topic IIE, Profitability and Economic Viability", in A Summary of the Literature Related to the Social, Environmental, Economic and Health Effects, Generic Environmental Impact Statement on Animal Agriculture, prepared by the University of Minnesota for the Minnesota Environmental Quality Board, July 1999, 250 pages.

#### **CONFERENCE PAPERS/PROFESSIONAL MEETING PRESENTATIONS/POSTERS (\*=SELECTED)**

Gallagher, P., W. Lazarus, H. Shapouri, R. Conway and J. Duffield. "Some Health Benefits of U.S. Clean Air Policy: A Statistical Analysis," Paper Presented at the International Energy Economics Association Annual Meeting, Istanbul, Turkey, June 20, 2008.

Bracmort, K., R. Burns, J. Beddoes, and W. Lazarus. "An Analysis of Anaerobic Digester System Costs on U.S. Livestock Production Systems, Paper 084643," presented at the 2008 American Society of Agricultural and Biological Engineers (ASABE) Annual International Meeting, Rhode Island Convention Center, Providence, Rhode Island, June 29-July 2, 2008.

Goodrich, P. and W. Lazarus, "On-Site Learning From Community Digesters In Europe," Biocycle Conference, Minneapolis, MN, October 30-November 1, 2006.

Lazarus, W. “Energy From Pre-collected, Pre-processed Biomass (aka Livestock Manure)” presented at organized symposium “Harvesting the Wind and Other On-Farm Renewable Energy Sources – Profitability, Policies and Pitfalls,” 2006 American Agricultural Economics Association Annual Meeting, Long Beach, CA, July 25, 2006.

Lazarus, W. “Pricing Forages Based on Production and Harvesting Costs.” in Proceedings of the First Annual I-29 Dairy Conference, Sioux Falls, South Dakota, January 31, 2006.

\*Lazarus, W.F. and M. Rudstrom. “Are Anaerobic Digesters a Cost-Effective Odor Control Technology for Livestock Farms?” Poster presented at “Minnesota's Renewable Energy Research: Status & Opportunities” Conference, sponsored by the Minnesota Environmental Initiative, Brooklyn Center, Minnesota, November 14, 2003.

\*Lazarus, W.F. and M. Rudstrom. “Are Anaerobic Digesters a Cost-Effective Odor Control Technology for Livestock Farms?” Poster presented at the American Agricultural Economics Association annual conference, Montreal, Canada, July 27-30, 2003.

\*Lazarus, W.F. and M. Rudstrom. “Financial Feasibility of Dairy Digester Systems Under Alternate Policy Scenarios, Valuations of Benefits, and Production Efficiencies: A Minnesota Case Study.” Presented at: Anaerobic Digester Technology Applications in Animal Agriculture: A National Summit, June 2-4, 2003, Raleigh, North Carolina, <http://www.mnproject.org/pdf/raleigh4.pdf>. Summary also published as “Study Analyzes Financial Feasibility of Anaerobic Digester,” in BioCycle Journal of Composting and Organics Recycling, by JG Press, [www.biocycle.net](http://www.biocycle.net), vol. 44, no. 9, September 2003, pp. 8-10.

\*Lazarus, W.F., K.A. Janni and J.K. Reneau. 2003. “Economics of Successful Stall Barn Modernization.” Presented at the Fifth International Dairy Housing Conference on January 29-31, 2003 in Fort Worth, TX. IN: Proc. Fifth Int. Dairy Housing Conf., ASAE, St. Joseph, MI. pp. 117-124.

**Invited Presentations**

Lazarus, W. “Economics of Agricultural Methane Digesters as a Potential Energy Source,” Presented to the USDA Office of Energy Policy and New Uses, December 6, 2006. (Attended by representatives of USDA-CSREES, USDA-Rural Development, USDA-ARS, USDA-NRCS, the USDA Office of Climate Change, the Department of Energy, and the EPA.

Goodrich, P. and W. Lazarus, “On-Site Learning From Community Digesters In Europe,” Biocycle Conference, Minneapolis, MN, October 30-November 1, 2006.

**GRANTS IN THE PAST FIVE YEARS**

W. Lazarus	Pricing and contract structures for a RIM Clean Energy Program (\$10,000 supplement to overall project by Steve Taff for crop enterprise budgets)	State of Minnesota	2008
L. Everett, W. Lazarus, G. Randall, and extension educators	Maximizing Economic Benefits of Manure to Reduce Nutrient Loading (Federal Clean Water Act Section 319 Grant, \$275,000)	MN Pollution Control Agency	2007
W. Lazarus	Health and Environmental Benefits of Bioenergy Crop Production, Cooperative Agreement (\$55,502)	USDA Office of Energy Policy and New Uses	2007
W. Lazarus and D. Tiffany	Wood Processing Plant Economic Impact Analysis, Supplementary Funding (\$15,000)	USDA Forest Service	2007
W. Lazarus	Promotion of Cost-Effective Production and Efficient Utilization of Energy in U.S. Agriculture, Cooperative Agreement (\$78,593)	USDA Office of Energy Policy and New Uses	2006

P. Goodrich	Manure Methane Digester Compatible Wastes and Electrical Generation (\$100,000)	MN Leg. Comm. on Natural Resources	2005
W. Lazarus	Dairy Farm Digesters (subcontract from larger LCMR project, \$23,000)	The Minnesota Project, Inc.	2005
W. Lazarus, R. Koehler and M. Spiehs	Liquid Swine Finishing Manure Land Application Economics and Impacts (\$10,000)	MN Pork Producers Ass'n	2005
W. Lazarus	Dairy Farm Digesters (Economic Analysis Subcontract to MN Project Inc., \$23,000)	MN Leg. Comm. on Natural Resources	2005
L. Marquart, W. Lazarus, Reicks, M. and Z. Vickers	Increasing Whole Grain Intake by School Children (\$189,874)	National Institutes of Health	2005
W. Lazarus and D. Tiffany	Wood Processing Plant Economic Impact Analysis (\$39,556)	USDA Forest Service	2004

**GRADUATE STUDENT COMMITTEES IN THE PAST THREE YEARS:**

<i>Student</i>	<i>Degree</i>	<i>Department</i>	<i>Assignment</i>	<i>Completed</i>
*Seth Fore	MS	Agronomy	Member	
Bernadett Ujzaszy	MS	ApEcon	Advisor	2004

**HONORS**

Excellence in Educational Programming in Community Vitality Award, Minnesota Association of Extension Educators, 2003

Distinguished Group Extension Program Award, American Agricultural Economics Association, 1984, group member

Outstanding Ph.D. Thesis Award, American Agricultural Economics Association, 1982