

Curriculum Vitae

Paul W. Gallagher

Address: Department of Economics
Iowa State University
382B Heady Hall
Ames, Iowa 50011-1070

Residence: 2018 Northwestern Avenue
Ames, Iowa 50010

Academic Background:

University of Minnesota, Ph.D., Agricultural Economics, 1983.

University of Minnesota, M.S., Agricultural Economics, 1975.

University of Minnesota, B.A., Economics and Mathematics, 1972.

Professional Experience:

Iowa State University, Associate Professor, Department of Economics, Ames, Iowa, since 1988.

Kansas State University, Assistant-to-Associate Professor, Department of Agricultural Economics, Manhattan, Kansas, 1984-1988.

University of Minnesota, Research Fellow, Department of Agricultural Economics and College of Forestry, St. Paul, MN 1977-1983.

U.S. Department of Agriculture, Economic Research Service, Agricultural Economist, Washington, DC, 1975-1977.

Leaves:

Faculty Professional Development and Intergovernmental Personnel Act Assignments, Office of Energy Policy and New Uses, Office of the Chief Economist, U.S. Dept. of Agriculture, Washington, D.C. 2012-13.

Sabbatical, Institute for Agricultural Policy, Marketing, and Development, Humboldt University, Berlin, 1995-96.

Language Proficiency: Some German.

Publications:

Monographs and Chapters in Books

“Corn Ethanol Processing technology, Cost of Production, and Profitability”, Chapter 4 in U.S. Ethanol: An Examination of Policy, Production, Use, Distribution and Interaction with the Corn Sector, J. Duffield, et al, eds, Office of Energy Policy and New Uses, US Department of Agriculture, September 2015, <http://www.usda.gov/oce/energy/index.htm>

(with M. Denicoff) “Ethanol Distribution, Trade Flows, and Shipping Costs”, Chapter 5 in U.S. Ethanol: An Examination of Policy, Production, Use, Distribution and Interaction with the Corn Sector, J. Duffield, et al, eds, Office of Energy Policy and New Uses, US Department of Agriculture, September 2015, <http://www.usda.gov/oce/energy/index.htm>

“Potential for Higher Ethanol Blends in Finished Gasoline”, Chapter 7 in U.S. Ethanol: An Examination of Policy, Production, Use, Distribution and Interaction with the Corn Sector, J. Duffield, et al, eds, Office of Energy Policy and New Uses, US Department of Agriculture, September 2015, <http://www.usda.gov/oce/energy/index.htm>

(with H. Baumes), U.S. Biomass Supply From Corn Residues: Estimates and Critical Review of Procedures, U.S. Dept. of Agriculture, Office of Energy Policy and New Uses, Agricultural Economic Report No. 847, November 2012..

(with H. Shapouri, Ward Netstead, R. Butler, S. Noe) 2008 energy Balance for the Corn-Ethanol Industry, AER No. 846, Office of Energy Policy and New Uses, US Department of Agriculture, March 2010.

Gallagher, P. and H. Shapouri , “Improving Sustainability of the Corn-Ethanol Industry”, in Biofuels, W. Soetaert and E. Vandamme, eds, John Wiley, West Sussex(UK), February 2009

Gallagher, P. and H. Shapouri, Biomass Crop and Ethanol Supply from Agricultural Lands in the United States with Methodology, Estimation Results, and State by State Simulations, AER No. 844, Office of Energy Policy and New Uses, U.S. Dept. of Agriculture, Nov. 2008.

(with H. Shapouri), USDA’s 2002 Ethanol Cost-of-Production Survey, U.S. Dept. of Agriculture, Office of Energy Policy and New Uses, Agricultural Economic Report No. 841, July 2005..

Gallagher, P., “Ethanol Industry Outlook”, in Proceedings of the 16th Annual Integrated Crop Management Conference, December, Iowa State University Extension, December 2004, p. 7-19.

Gallagher, P., Guenter Schamel, and H. Shapouri, “Some Cost and Price Analysis for the Corn Processing Sector”, in Proceedings of the 14th Annual Integrated Crop Management Conference, December, R. Larson, ed., Iowa State University Extension, 2002.

(with C. Gingrich), "Health Production and heteroskedasticity among low income households in Lima", in Health, Equity and Poverty in Peru: Theory and New Evidence, Rafael Cortez, ed., Research Center, University of the Pacific, Lima, Peru 2002.

(with H. Shapouri, and M. Graboski), USDA's 1998 Ethanol Cost-of-Production Survey, U.S. Dept. of Agriculture, Office of Energy Policy and New Uses, Agricultural Economic Report No. 808.

Gallagher, P. and D. Otto, "Implications of MTBE bans for the Iowa Economy", in Proceedings of the 13th Annual Integrated Crop Management Conference, December, R. Larson, ed., Iowa State University Extension, 2001.

Gallagher, Paul, "U.S. Corn in International Markets", in Competition in Agriculture: The United States in the World Market, W. Amponsah, D. Colyer, S. Fletcher, C. Jolly, P.L. Kennedy, eds., Hayworth Press, 2000.

(co-editor, with D. Larson and R. Dahl, eds.) Structural Change and Performance of the U.S. Grain Marketing System, Sherer Co., Urbana, (1998).

Gallagher, Paul et al. Soyfood Product Markets in Japan: U.S. Export Opportunities. Midwest Agribusiness Trade Research/Information Center, Iowa State University, Ames, Iowa, Apr, 1992

Gallagher, Paul et al. Economic Implications of Modified Soybean Traits, Iowa Experiment Station Special Report No. 92, May 1990.

(with Wilson, William W., and Jenn Riepe), "The Changing Role of Quality in Grain Markets," Chapter 5 in Enhancing the Quality of U.S. Grain for International Trade, U.S. Congress, Office of Technology Assessment, OTA-F-399, U.S. Government Printing Office, Washington, DC: February 1989, pp. 89-102.

(with Wilson, William W. and Jenn Riepe), "Government Farm Policy and Economic Incentives Affecting Quality," Chapter 9 in Enhancing the Quality of U.S. Grain for International Trade, U.S. Congress, Office of Technology Assessment, OTA-F-399, U.S. Government Printing Office, Washington, DC: February 1989, pp. 219-36.

(with Robert C. Green), "A Cropland Use Model," Crops Branch Staff Report No. AGERS82, Economic Research Service, U.S. Department of Agriculture. November 1984, p. 70.

(with Joseph Mehrkens), The Effects of Pacific-Rim Housing Markets and Log Supply on Alaska's Cant and Waney Trade. University of Minnesota Agricultural Experiment Station Technical Bulletin, No. AD-TB-2295, 1984, p. 26.

(with Michael Lancaster, Maury Bredahl, and Timothy J. Ryan), The U.S. Wheat Economy in the International Setting--An Econometric Investigation. USDA Technical Bulletin No. 1644, March 1981, p. 115.

Gallagher, Paul. An Analysis of the Softwood Log Trade Between the United States and Japan. University of Minnesota Agricultural Experiment Station Technical Bulletin No. 330, 1980, p. 19.

Gallagher, Paul, Maury Bredahl, and Michael Lancaster. "The Demand for U.S. Wheat in Japan and Western Europe" Wheat Situation (USDA), May 1979, pp.14-18.

Gallagher, Paul, Maury Bredahl, and Michael Lancaster. "The LDC Demand for U.S. Wheat" Wheat Situation (USDA), February 1979, pp.14-18.

Houck, James P., Martin e. Abel, Mary R. Ryan, Paul W. Gallagher, and Robert G. Hoffman, and J.B. Penn. Analyzing the Impact of Government Programs on Crop Acreage, USDA Technical Bulletin No. 1548, August 1976, 49 pp.

Journal Papers and other Peer-Reviewed Articles

37. Gallagher, Paul, and Daniel Sleper "The market and consumer welfare effects of mid-level ethanol blends in the US fuel market", *Journal of Energy Policy* 98(2016):149-159.

36. (with W. Yee and H. Baumes), "2015 Energy Balance for the Corn-Ethanol Industry", Office of Energy Policy and New Uses, US Department of Agriculture, February 2016, <http://www.usda.gov/oce/reports/energy/2015EnergyBalanceCornEthanol.pdf>

35. Gallagher, P., "The Regional Effects of a Biomass Fuel Industry on US Agriculture", *Journal of Energy Policy* 69(2014):598-609.

34. Gallagher, Paul and Jeremiah Richey, "Growing Biomass Fuel Industry, Declining Local Forage Demands, and Changing Greenhouse Gas Emissions from US Agriculture: A Case Study," *Proceedings of the World Renewable Energy Congress* (May 2011): Linkoping University Press, 2012, <http://www.ep.liu.se/ecp> home/index.en.aspx?issue=057

33. Gallagher, P., "Corn Ethanol Growth in the US without Adverse Foreign Land Use Change: Defining Limits and Devising Policies", **Biofuels, Bioprod., and Bioref.** 4:296-309(2010).

32. Gallagher, P., W. Lazarus, H. Sharouri, R. Conway, F. Bachewe, and A. Fischer, "Cardiovascular Disease—Risk Benefits of Clean Fuel Technology and Policy: A Statistical Analysis", **Energy Policy** (2010) forthcoming.

31. Gallagher, P., W. Lazarus, H. Shapouri, R. Conway, J. Duffield, "Cancer-risk Benefits of Clean Fuel Technology and Policy: A Statistical Analysis", **Energy Policy** 37 (2009): 5113-5124.

30. Gallagher, P., "Development of the Corn-Ethanol Industry in the United States: Roles for Evolving Markets, Technology, and Policy", **Regional Economic Development** (Federal

Reserve Bank of St. Louis), pp.26, April 2009.

29. Gallagher, P.W., W. Lazarus, H. Shapouri, R. Conway, J. Duffield, “Some Health Benefits of U.S. Clean Air Policy: A Statistical Analysis,” (Abstract Published) Proceedings of the International Energy Economics Association Annual Meeting, Istanbul, Turkey, June 15, 2008.

28. Gallagher, P. “A market and Policy interpretation of recent developments in the world ethanol industry”, **Biofuels, Bioprod., Rioref. 1**:103-118 (2007): DOI:10.1002/bbb

27. Gallagher, P., “A Look at U.S.-Brazil Ethanol Trade and Policy ” , **Biofuels, Bioprod., Rioref. 1**:9-13 (2007).

26. Gallagher, P., H. Shapouri, and H. Brubaker, “Scale, Organization and Profitability of Ethanol Processing,” **Canadian Journal of Agricultural Economics**, 55(2007):63-81.

25. Gallagher, P. “Energy Production with Biomass: What Are the Prospects,” **Choices** 21(2006):21-26.

24. Gallagher, P., G. Schamel, H. Shapouri and H. Brubaker, “The International Competitiveness of the U.S. Corn-Ethanol Industry,” **Agribusiness: An International Journal** 22(2006): 1-26.

23. Gallagher, Paul, H. Shapouri, and J. Price, “Welfare Maximization, Product Pricing, and Market Allocation in the Gasoline and Additives Market,” **The International Journal of Production Economics** 101(2006): 230-245.

22. Gallagher, P., R. Wisner, H. Brubaker, “Price Relationships in Processors’ Input market Areas: Testing Theories for Corn Prices near Ethanol Plants,” **Canadian Journal of Agricultural Economics** 53(2005):117-139.

21. Gallagher, Paul, H. Brubaker, and H. Shapouri, “Plant size: capital cost relationships in the dry mill ethanol industry,” **Biomass and Bioenergy** 28 (May 2005):565-571.

20. Gallagher, Paul, “The Economics and Rural Development of Bio-Energy”, Section C. in The Pros and Cons of Bioenergy, Council for Agricultural Science and Technology, Issue Paper No.27, November 2004.

19. Gallagher, P. H. Shapouri, J. Price, G. Schamel, H. Brubaker, “Some long-Run Effects of Growing Fuel Markets, MTBE Bans and Renewable Averaging Policies on Additives Markets and the Ethanol Industry,” **Journal of Policy Modeling**, 25 (September 2003): 585-608.

18. Gallagher, P., M. Dikeman, J. Fritz, E. Wailes, W. Gauthier, and H. Shapouri, “Biomass from Crop Residues: Some cost and Supply Estimates for U.S. Crops, ” **Environmental and Resource Economics** 24(April 2003):335-358.

17. (with NRC Committee on Industrial Products) Bio-based Industrial Products: Priorities for

Research and Commercialization, National Academy Press, Washington, D.C., 2000.

16. Gallagher, Paul, Dan Otto, and Mark Dikeman, "Effects of an Oxygen Requirement for Fuel in Midwest Ethanol Markets and Local Economies, *Review of Agricultural Economics*, 22(November 2000):292-311.
15. Gallagher, Paul and Donald L. Johnson, "Some New Ethanol Technology: Cost Competition and Adoption Effects in the Petroleum Market," *The Energy Journal* 20(April 1999):89-120.
14. Gallagher, Paul, "International Marketing Margins for Agricultural Products: The Case of Trade Uncertainty with Perishable Products or Administrative Trade Barriers," *American Journal of Agricultural Economics*. 80(May 1998):325-336.
13. Gallagher, Paul, "Some Productivity-Increasing and Quality-Changing Technology for the Soybean Complex: Market and Welfare Effects," 32 p., *American Journal of Agricultural Economics*. 80(February 1998): 165-74.
12. Gallagher, Paul, "Stabilizing the U.S. Corn Markets," *Review of Agricultural Economics* 16 (1994): 301-319.
11. Gallagher, Paul, "Agriculture in the Czech Lands and Slovakia: Some Problems, Policy Options and the Potential for Benefit-Cost Evaluation, *Zemelska Ekonomika* 40 (1994): 39-46.
10. (with Ohno, K.), 1992. "Measuring Market Power for Marketing Firms: The Case of Japanese Soybean Markets," in Bellamy, M. A., and B. Greenshields, eds., *International Association of Agricultural Economists Occasional Paper No. 6*, Dartmouth Co., Aldershot, UK.
9. Gallagher, Paul, "Foreign Demand and Surplus Disposal for European Community Wheat," *European Review of Agricultural Economics* 17 (1990):255-270.
8. (with Wilson, W.) "Quality Differences and Price Responsiveness of Wheat Class Demands," *Western Journal of Agricultural Economics* 15 (1990):254-264.
7. Gallagher, Paul, "The Grain Sector of the European Community: Policy Formation, Price Determination and Implications for Trade," *American Journal of Agricultural Economics*, November 1988, p. 12.
6. Gallagher, Paul, "U.S. Soybean Yields: Estimation and Forecasting with Non-symmetric Disturbances," *American Journal of Agricultural Economics*, November 1987, p. 21.
5. Gallagher, Paul, "U. S. Corn Yield Capacity and Probability: Estimation and Forecasting with Non-symmetric Disturbances," *North Central Journal of Agricultural Economics*, January 1986, p. 27.

4. Gallagher, Paul, "International Price Transmission in the U.S.-Japan Softwood Trade," *Western Journal of Agricultural Economics*, January 1984, pp. 197-208.
3. Gallagher, Paul, "The Effectiveness of Price Support Policy--Some Evidence for U.S. Corn Acreage Response," *Agricultural Economics Research*, October 1978, p. 8-14.
2. (with Bredahl, Maury), "The Effect of an Exchange Rate Change on U.S. Agricultural Trade," *Agricultural Economics Research*, April 1977, pp. 45-49.
1. (with Houck, James P.), "The Price Responsiveness of U.S. Corn Yields," *American Journal of Agricultural Economics*, October 1976, pp. 731-734.

Manuscripts

Gallagher, P., "Competitiveness of Corn Processors and Ethanol Producers in Chemical Markets, pp.25, 1/15/16.

Research Reports

Gallagher, P., A. Fischer, "Some Estimates of US Corn price Transmission to the East Africa Market", January 15, 2012, pp.36.

Gallagher, P., "Trade Policy Options for a Food-Security Commodity in Southern Africa: A Case Study of Maize in Zambia", WP#12001, January 2012.

Gallagher, P., "The Prospects for A Biomass-Fuel Industry in Queensland", 5/17/08, pp. 20.

Gallagher, P., D. Otto, H. Shapouri, J. Price, G. Schamel, M. Dikeman, and H. Brubacker, "The Effects of MTBE Bans on Ethanol Production, Feed Markets, and local Economies", Staff Paper No. 342, June 30, 2001.

(with M. Hayenga, Mark Downing, and Alan Vontalge), "Alfalfa Market Impacts from the Minnesota Agri-Power Project", 12 p. January, 2000.

(with Hosein Shapouri and Jeff Price), "Fuel Efficiency and The Demand for Gasoline," 21 p., March 2001.

(with D. Otto), "Iowa Ethanol Industry", (mimeo), March 1998, 10 pages.

(with D. Johnson), "A Market Development Plan for a Biobased Processing Industry," Iowa State University, Department of Economics Staff Paper, No. 276, December 1995.

Gallagher, Paul, "The Competitiveness of Soybean Oil as a Diesel Fuel: Weighing Product Costs and Environmental Benefits," in Structural Changes in the U.S. Grains and Oilseeds

Marketing System. Proceedings of the NC-186 Symposium, October 10, 1993. Minneapolis, MN. R. J. Garcia, editor.

Gallagher, Paul (ed.), "A Review of Perspectives and Policies on Food Security," Department of Economics Staff Paper No. 239, May 1990.

(with Jack Khil), "The Prospects for Marketing Plasma as an Egg White Substitute," (mimeo), Center for Crops Utilization Research, Iowa State University, November 1988.

Awards and Honors

Who's Who in America, Marquis Who's Who LLC, 2011 and 2013 Editions.

Outstanding Journal Article - American Agricultural Economics Association, August 1989.

Research Funding:

(Contracts generated or projects executed; in teams or as a single researcher.)

Date

2013 to 2016	US Dept of Agriculture, Office of Energy, Estimation of the Demand for ethanol	\$56,676
2012	U.S. Dept of Agriculture, Office of Energy, external funding for IPA assignment	\$31,500
2010/11	U.S. Dept of Agriculture, Office of Energy Policy, IPA f Agreement: Analysis of the External Benefits of Ethanol	\$15,000
2008/11	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of the External Benefits of Ethanol	\$130,000
2008	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of The External Benefits of Ethanol	\$92,000
2007	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Demand for Crop Residue for Energy and Industrial Products in the United States	\$30,000
2005	Illinois/Missouri Biotechnology Alliance, Soy/Corn oil composites, Economic Feasibility Component (co-pi)	\$7,000
2005	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Demand for Crop Residue for Energy and Industrial Products in the United States.	\$42,000
2005	U.S. Dept of Agriculture, Economic Research Service, Cooperative Aid Agreement: Trade Liberalization Strategies for Developing Countries.	\$25,000
2004	Illinois/Missouri Biotechnology Alliance, Soy/Corn oil composites, Economic	

	Feasibility Component (co-pi)	\$6,000
2004		
	U.S. Dept of Agriculture, Economic Research Service, Cooperative Aid Agreement: Trade Liberalization Strategies for Developing Countries.	\$30,000
2002		
	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Demand for Crop Residue for Energy and Industrial Products in the United States.	\$50,000
2001		
	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Demand for Crop Residue for Energy and Industrial Products in the United States.	\$20,000
2000		
	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Demand for Crop Residue for Energy and Industrial Products in the United States.	\$55,000
1999		
	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Demand for Crop Residue for Energy and Industrial Products in the United States.	\$125,000
1998		
	U.S. Dept of Agriculture, Office of Energy, Cooperative Aid Agreement: Analysis of Supply of Crop Residue for Energy and Industrial Products in the United States.	\$60,000
	Iowa Corn Promotion Board: Economic Analysis of ethanol policy changes in the Midwest(with Dan Otto)	\$15,000
	Iowa Corn Promotion Board: Economic Analysis of ethanol policy changes in Iowa(with Dan Otto)	\$10,000
1996-97		
	Agricultural Experiment Station Project (NC-186): Structural Change in the Grain and Oilseed Marketing System (cont)	\$17,582
1995-96		
	Agricultural Experiment State Project (NC-186): Structural	

	Change in the Grain and Oilseed Marketing System (Cont)	\$13,385
1994-95	Agricultural Experiment Station Project (NC-186): Structural Change in the Grain and Oilseed Marketing System	\$12,950
	MATRIC Project: Workshop, Marketing Soybeans and Soyfood Products in Japan	\$34,467
1993-94	Agricultural Experiment Station Project: Structural Change in the Iowa Soybean Promotion Board Project: The Economics of Using Soybean Oil as a Diesel Fuel	\$15,500
	USAID Project: Management Training and Economics Education in Czechlands and Slovokia (Policy Analysis Component)	
	Operating Budget:	\$64,200
	Salary Savings:	\$7,487
1992-93	Agricultural Experiment Station Project: Structural Change in the Grain and Oilseed Marketing System	\$5,000
	USAID Project: Management Training and Economics Education in Czechlands and Slovokia (Policy Analysis Workshop)	
	Salary Savings:	\$20,964
1990-91	MATRIC Project: Forages Task Force	\$6,000
1989-90	MATRIC Project: Japan's Market for Soybeans and Soyfood Products	\$37,300
	MATRIC Project: Salary Savings	\$71,875
1988-89	MATRIC Project: Salary Savings	\$34,140

Teaching:

Econometrics, undergraduate, Iowa State University, 2002 through 2016.

Fundamentals of Bio renewable Resources, Economics Section (BRT501), 2003

Microeconomic Theory, intermediate, Iowa State University, 1999,2000.

Agricultural Policy, undergraduate, Iowa State University, 1997 through 2016.

Agricultural Policy, graduate, Iowa State University, 1988-1995, 2000-2010, 2016.

Agricultural Price Analysis, graduate, Kansas State University, 1987.

Agricultural Marketing, graduate, Kansas State University, 1985, 1986, 1987.

Agribusiness Management, undergraduate, Kansas State University, 1986.

Agricultural Price Analysis, undergraduate, Kansas State University, 1984.

Advising and Examining Activities:

Undergraduate Student Advisor:

Honors Program Project Committee (outside committee member):
Bethany Vittetoe (Knox College, Economics)

Honors Program Project Advisor:
Amanda Hulstein (Political Science)

BS Ag. Bus. Program:
E. Gould, N. Howe, I. Plagge, M. Plett, A. Powers, M. Recker,
W. E. Russell, L. Schultz, S. Spurgin, B. Taylor, J. Uhlman,
B. Wells

Graduate Student Advisor:

MS Level: Sana Sehar, Amelia Fischer, Herbert Waldhutter, Tim Meyers, Owen Robinson, Fungasi Nota, Timothy Meyers, Alp Eck, Alpur Subasi, Suat Ertlav, Michael Ott, Amy Lilianfeldt

Ph.D. Level: Chris D. Gingrich, Konomi Ohno, Mohamad Abdul Ghani

Exam Committees:

Ph.D. Level: Yoonho Choi, Marc Hansen, Young-Woo Park, Mohamed Jaohad, Taeho Lee, Virender Gautam, Pat Westhoff

M.S. Level: Elizabeth Dippold, Nuno Mota, Weiting Lu, Michael Yeboah, Samir Grad, Fahzy Abdul-Rahman, Eye-Kyung Choi, Amani El Obeid, Julie Westendorf, Lori Knauss-Berry, Deborah Stephens, Michael Tholstrip, Vokler Appel, Ron Burke, Luis Davila.

Consulting:

U.S. Department of Agriculture, Office of Energy Policy, Sustainability Measures for the Corn-Ethanol Industry, 2015.

Renewable Fuels Association, Corn yields, land use change, and Biofuel Policy, Feb-May 2009.

Center for Law and Economics, Australian National University, Canberra, Australia, on the Prospects for a Biomass Fuel Industry in Australia, May 2008.

Mehls Industries and Iowa Northern Railroads on Cost of Corn Stover, Jan. 2008.

Iowa Renewable Fuels Association on Profitability and by-product marketing in the Dry Mill Industry, 2003, 2004.

U.S. Department of Agriculture, Office of Energy Policy, Ethanol Policy and Markets, 2001.

Iowa Department of Agriculture and Land Stewardship, on the impacts of MTBE bans, 2001.

Iowa Corn Promotion Board on Ethanol Blending, 1999.

International Wheat Gluten Association on Grain Processing, 1996.

U.S. Congress, Office of Technology Assessment on quality and grain trade, 1987-1988.

Plaintiff's Steering Committee on the Western Sugar Anti-Trust Litigation, May 1979 to August 1980.

Northrup-King Company, March 1980 to August 1980.

Membership in Professional Societies:

American Agricultural Economics Association

International Energy Economics Association

International Agricultural Trade Research Consortium

Service to Professional Organizations

Participant: CRC (Co-ordinating Research Council) Workshop on Life Cycle Analysis of Biofuels, Argonne National Laboratory, Argonne, IL, October 19-21, 2009.

Participant: Oak Ridge National Laboratory Land Use Change and Bioenergy Workshop, Vonone, Tennessee, May 13-14, 2009.

- Participant: Argonne National Laboratory/Purdue University Workshop on Land Use Change, West Lafayette, IN, January 26, 2009.
- Discussant: ‘The Future of Oil and Gas’, Engineering Policy and Leadership Institute, Thematic Year Presentation, Iowa State University, December 4, 2008.
- Seminar: ‘Review of Ethanol’s External Benefits of Ethanol: Urban Health benefits, Potential Environmental Contribution of E85, and CO₂ Mitigation’, US Dept. of Agriculture, Office of Energy Policy and New Uses, Washington, D.C., January 11, 2008 (Seminar developed at request of USDA).
- Workshop: Mathematical Needs of Agriculture Students, Kansas State University, Manhattan, KS, March 27-28, 2008 (attended at the request of Kansas State University).
- Participant: Workshop on Biomass Feedstocks, Feedstock Economics and Engineering Analysis Group, Sioux Falls, South Dakota, August 15-17, 2006 (attended at the request of ISU Biorenewables Office)
- Reviewer:
- Australian Journal of Agricultural and Resource Economics
 - US Dept. of Agriculture, Economic Research Service
 - Applied Sciences
 - Sun Grant Initiative
 - Monsanto Co.
 - Journal of Energy Policy
 - Southern Economic Journal
 - Southern Economic Journal
 - Energy Policy
 - Journal of Applied Economics
 - Contemporary Economic Policy
 - Bioenergy Research
 - Choices

Agricultural Resource Economics Review

Biofuels, Bioproducts & Biorefining

Auburn University

Biomass and Bio-energy

Bio-fuels, Bio-products, and Bio-refining

Auburn University

Dept. of Agriculture/U. S. Department of Energy Joint Biomass Initiative

International Journal of Production Economics

Journal of Economics and Business

Environmental and Resource Economics

American Journal of Agricultural Economics

Agricultural Economics

Council for Agricultural Science and Technology

Energy Journal

Forest Science

Review of Agricultural Economics

International Journal of Production Economics

Journal of Agricultural and Applied Economics

Journal of Agricultural and Resource Economics

Agricultural and Resource Economics Review

Journal of Japanese and International Economics

Iowa State University

University of Minnesota

American Agricultural Economics Association, Annual meetings

U.S. Department of Agriculture

Council for Agricultural Science and Technology, Task Force on Bio-energy, 2001 to 2004.

Regional Research Committee on Grain Marketing (NC-186), Chairperson, 1995 to 1999.

National Academy of Sciences, Committee on Biobased Industrial Products, 1994 to 1999.

American Agricultural Economics Association, Chairperson, Quality of Communications Award, 1992, 1993.

Department, College, and Center Committees:

Iowa State University, Campus Committee for the Utility Environmental Strategies Study 2011/12.

Iowa State University, Bio economy Initiative, Science & Engineering Committee, 2002, 2003.

Iowa State University, Bio economy Initiative, LCA search committee, 2002, 2003.

Iowa State University, Bio renewable Resources Consortium, Task Force, 2000-02.

University Extension Service, Industries of Future, Resource Sub-Committee, 2000-2001.

Center for Ag and Rural Development, MATRIC Executive Committee 1988-1995.

Center for Ag and Rural Development, MATRIC Committee on Aquaculture Feeds 1993-4.

Center for Ag and Rural Development, MATRIC Ad Hoc Committee on Hay Marketing 1991.

Center for Ag and Rural Development, MATRIC Committee on Strategic Planning 1990.

Center for Crops Utilization Research, Ad hoc committee on Egg White Substitution, 1988.

College of Agriculture, Policy Analysis Committee, USAID Project on Management Training and Economics Education (MTEE) in the Czech and Slovak Republic, 1992-93.

College of Agriculture, Policy Analysis Workshop Committee, USAID Project on MTEE in the Czech Slovak Republic, 1991-92.

College of Agriculture, Forages Task Force, 1990.

College of Agriculture, Soybean Modification Task Force, 1989-90.

Economics Department, Peer Evaluation of Teaching, 2016.

Economics Department, Graduate Admissions Committee, 2009.

Economics Department, Awards Committee, 1992, 2003-2006, 2009, 2012-2017.

Economics Department, Visiting Scholar Committee, 2000, 2001, 2008.

Economics Department, Publications committee, 1997.

Economics Department, Faculty Improvement Leave Committee, 1996,1997.

Economics Department, Ph.D. Field Exam Committee for AG. Policy, 1988-95.

Economics Department, Agricultural Policy Curriculum Reform Committee, 1991.

Economics Department, Quality of Research Discovery Award Committee, 1990.

Economics Department, Ph.D. Thesis Awards Committee,1988, 1989, 1990, 1999, 2004, 2016, 2016.

Professional Service and Activities

Professional Conferences and Seminars

Conference Paper, “Sustainable Supplies of Biomass from Corn Residues”, Presented at The 10th World Congress on Industrial Biotechnology, Montreal, Canada, June 17, 2013.

Invited Presentation, “The Effects of a Biomass-Fuel Industry on US Agriculture”, Presented at USDA Economists’ Group Seminar, April 26, 2013, Washington, D.C.

Conference Paper, “International Price Transmission: A Case Study of Corn Price Relationships between the US and African Markets”, Presented at The International Agricultural Trade Research Consortium (IATRC) annual meeting, December 13, 2011, St. Pete., Florida.

Conference Paper, “Growing Biomass Fuel Industry, Declining Local Forage Demands, and Changing Greenhouse Gas Emissions from US Agriculture: A Case Study”, Presented at World Renewable Energy Congress 2011, Linkoping Sweden, May 8-13, 2011.

Conference Paper, “Some Health Benefits of U.S. Clean Air Act: A Statistical Analysis”, paper presented at Internal Energy Economies Association Annual Meeting, Istanbul, Turkey, June 15, 2008.

Conference Paper, “Biomass Crop and Ethanol Supply from Agricultural Lands in the U.S.”, Friday, March 7, 2008, NC-1034 Annual Meeting, Conference on “Energy and

Agriculture: Emerging Policy and R&D Issues, ERS, USDA, Washington, D.C.

- Conference Paper, “The Potential for Future Supplies from Corn, Cellulose, and Imports in the U.S. Ethanol Industry”, 18th Annual Transportation Research Conference, Center for Transportation Studies, River Center, St. Paul, MN, May 2, 2007.
- Seminar paper, “Biomass Crop Supply from Agricultural Lands in the United States: The Role of Marginal Lands, Land Values and Government Programs, Project Report,” Office of Energy Policy and New Uses, USDA, February 28, 2007.
- Conference Paper, “Effects of International Markets and Potential Policy Changes on the U.S. Ethanol Industry: Will Sector Policies Liberalize Soon?” Conference on Globally Competitive Agriculture and the Midwest, Federal Reserve Bank of Chicago, Chicago, September 29, 2006.
- Conference Paper, “Biomass Supply From Agricultural Lands in the United States”, 11th International Energy Conference (ENERGEX/International Energy Foundation and Norway Energy Economics Association), Stavanger, Norway, June 13, 2006.
- Seminar Paper, “The Competitiveness of the U.S. Ethanol Industry,” Efferson Lecture for the Department of Agricultural Economics at Louisiana State University (Invited), Baton Rouge, March 13, 2006.
- Seminar Paper, “International Competitiveness of the Ethanol Industry,” Invited Lecture for the Department of Applied Economics at the University of Minnesota, St. Paul, February 17, 2006.
- Seminar paper, “Trade Liberalization Strategies for Developing Countries: Project Report,” Economic Research Service, USDA, August 10, 2005.
- Moderator, Selected Paper session for the Conference “ Agriculture as a Producer and Consumer of Energy”, June 24, 2004.
- Conference Paper, “Ethanol Industry Outlook”, Opening Session, the 16th Annual Integrated Crop Management Conference, Iowa State University, December 1, 2004.
- Conference Paper, “The Financial Viability, Scale and Organization of the Corn-Ethanol Industry,” Missouri Valley Economic Association, 40th annual meeting, Feb 27, 2004, Kansas City MO.
- Conference Paper, “The International Competitiveness of the U.S. Corn-Ethanol Industry”, The Western Coordinating Committee on Agribusiness (WCC-72) Annual Meeting, June 10, 2003, Las Vegas, NV.
- Conference Paper, “Crop Residue Supply and Social Cost Estimation”, USDA/DOE Workshop on the Sustainability of Harvesting Crop Residues for Energy, May 8, 2003,

Lewis, IA.

Conference Paper, "Marketing Issues Facing the Dry Mill Industry and Distillers' Grains", National Distillers' Grains Marketing Conference, April 7, 2003. Des Moines, IA.

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Conference Paper, "Implications of the MTBE bans for the Iowa Economy", the 13th Annual Integrated Crop Management Conference, Iowa State University, December 5, 2001. .

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Seminar paper, Humboldt University Berlin, "International Marketing Margins with Trade Uncertainty: Some Effects of Non-Tariff Trade Barriers," May 1996.

Seminar paper, Institute of Agricultural Development in Central and Eastern Europe, "Analyzing Supply Under Acreage Control," Halle, Germany, January 11, 1996.

Seminar paper, Humboldt University Berlin, "Some New Ethanol Technology: Cost Competition and Adoption Effects in the Petroleum Market," November 15, 1995.

Conference paper, (with C. Gingrich), American Agricultural Economics Association, "Health Production and Heteroscedasticity in Low-Income Households in Lima, Peru", Indianapolis, Indiana, August 8, 1995.

Seminar paper, National Academy of Sciences, Committee on Biobased Industrial Products, "Industrial Uses for Agricultural Products: A Review of market Constraints and Opportunities," 13 pp., August 26, 1994.

Seminar paper, Iowa Soybean promotion Board Research Committee, "The Prospects for Soy Oil Competition in Fuel Markets: The Effects of Policy, Technology and Market Power," 15 pp., September 8, 1993.

Conference paper, University of Agriculture, Prague (ISU Management Training and Economics Education Project), "Policy Options in the Czech Lands and Solvokia", 12 pp., September 2, 1993.

Seminar paper, University of Minnesota, "Price Stability on the U.S. Corn Market," May 22, 1991.

Organizer, International Association of Agricultural Economists' Symposium Session on Food Security Problems and Policies, Tokyo, July 1991.

Conference paper, International Association of Agricultural Economists, "An Overview of Food Security Problems and Policies", Tokyo, July 1991.

Seminar paper, Iowa State University Workshop on Marketing and Price Analysis, "Supplies of Product Characteristics," December 4, 1989.

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Conference paper, International Institute for Applied Systems Analysis, "A Review of Economic Frameworks for Forestry Trade Analysis," Second North American Regional Meeting, Arlington, Virginia, November 1983, p. 48.

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Outreach Conferences and Seminars

Conference Paper, "The Competitiveness of Corn and Biomass Processing for Bio-based Chemicals", Sixth Annual Next Generation bio-Based and Sustainable Chemicals Conference, New Orleans, 2/5/15.

Conference Paper, "Using Crop Residues for Fuel Production: Results for the US and Prospects for Africa", FAO Technical Consultation on Crop and Residue Management for Food Security, Food & Agricultural Organization of the United Nations, Rome, Italy 4/14/14.

Conference Paper, "Role of Profitability in the Development of the Corn Ethanol Industry", Presented at Federal Reserve Bank/Washington University Conference on the Economics of Ethanol, November 13-14, 2008.

Conference paper, "Corn vs. Sugar as a Feedstock for the Ethanol Industry," Project Finance Magazine and Trade Finance Magazine's North American Ethanol Finance and Investment Conference, New York, December 6, 2006.

Conference paper, "Ethanol Industry Situation and Outlook", Economics Department Extension conference, November 2006.

Participant: Workshop on Biomass Feedstocks, Feedstock Economics and Engineering Analysis Group, Sioux Falls, South Dakota, August 15-17, 2006 (attended at the request of ISU Bio Renewables Office)

Seminar, "Summary of Research on the Ethanol Industry," ISU Foundation sponsored seminar at ADM Headquarters, Decatur, IL, June 23, 2006.

Seminar, "Ethanol Industry Outlook", Iowa Farm Business Association Annual Meeting, Ames Iowa, November 29, 2004.

Seminar, "Ethanol Industry Outlook", Pro-Ag Outlook, Polk County Extension, Des Moines, IA, October 27, 2004.

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Seminar, "Ethanol Situation and Outlook", Board of Directors, Iowa Department of Economic Development, August 21, 2002.

Moderator/Panelist, Farm Foundation Conference, "Agriculture as a Producer and Consumer of Energy", Arlington, Virginia, June 24, 2004.

Seminar, "A Comparison of Prospective Demand Expansions and Recent Capacity Additions in the Ethanol Industry", Board of Directors, Iowa Department of Economic Development, December 18, 2001.

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- Meeting, Decorah , Iowa, November 29, 2001.
- Conference Paper, “The Economics and Rural Development of Bio-energy”, Renewable Energy Symposium, Iowa State University, October 15, 2001.
- Seminar, “The Economics of Ethanol and the Iowa Economy,” 2001 Fall In-Service Agricultural Economics Extension, October 10, 2001.
- Seminar, “The Effects of Expanding Ethanol Markets on Ethanol Production, Feed Markets, and the Iowa Economy”, Iowa Department of Agriculture and Land Stewardship and Iowa Farm Bureau Meeting, Des Moines, Iowa, September 5, 2001.
- Conference Paper, “Ethanol Policy and Markets,” Ag Bankers Conference, Iowa Bankers Association, March 19, 2001.
- Conference Paper, “Biomass from Crop Residues,” National Biobased Products and Initiatives: the Role and Capacities of State Colleges and Land Grant Universities, June 15, 2001.
- Paper Presentation, “Iowa Economic Impact Report,” Governors’ Ethanol coalition Meeting”, Las Vegas, Nevada, February 24, 1999.
- Program organizer (with L. Wilson), conference sponsored by the Midwest Agribusiness Trade Research and Information Center (MATRIC); by the Center for Crops Utilization Research; by the Iowa Soybean Promotion Board, "Producing Soybeans for the Soyfood Market," Ames, Iowa, March 2, 1995.
- Conference paper, "Trade, Policy Changes and Opportunities in Soybean Product Markets, Ibid. Ames, Iowa, March 2, 1995.
- Conference paper, Midwest Feeds Consortium-Fishmeal Substitution Workshop, "Some Effects of Decreasing Fishmeal Supplies in Feed Markets," Des Moines, Iowa, December 5, 1994.
- Panelist, Iowa Association of Business and Industry, and the Iowa Farm Bureau: "Views on International Trade Agreements: GATT, NAFTA, APEC and the Effect on Agriculture, Des Moines, Iowa, November 17, 1994.
- Panelist, U.S. Information Agency Sponsored Program for European Journalists; "U.S. Agricultural Trade and Policy," April 1, 1993.
- Conference paper, University of Agriculture, Prague (ISU Management Training and Economics Education Project), "Markets, Government, and Agriculture", 12 pp., July 14, 1992.
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Agriculture", 16 pp., July 15, 1992.

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Panelist, U.S. Wheat Associates, Advisory Committee, "Wheat Trade Policy and Market Share Adjustments," Washington, DC, February 26, 1990.

University, "Outlook for Domestic Crops: Crop Yield Forecasts and Probabilities," Des Moines, Iowa, February 16, 1989.

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