

Wallace E. Tyner

KEY QUALIFICATIONS:

Tyner is the James and Lois Ackerman Professor in the Department of Agricultural Economics, Purdue University. He received his B.S. degree in chemistry (1966) from Texas Christian University, and his M.A. (1972) and Ph.D. (1977) degrees in economics from the University of Maryland. Professor Tyner's research interests are in the area of energy, agriculture, and natural resource policy analysis and structural and sectoral adjustment in developing economies. He has over 200 professional papers in these areas including three books and 70+ journal papers, published abstracts, and book chapters. His past work in energy economics has encompassed oil, natural gas, coal, oil shale, biomass, ethanol from agricultural sources, and solar energy. His current research focuses on renewable energy policy issues. He is Co-chair of the National Academy of Science Committee on the Economic and Environmental Impacts of Biofuels. He teaches a graduate course in benefit-cost analysis, which incorporates risk into the economic and financial analysis of investment projects.

In 5 of the past 7 years, his students have received the department's outstanding thesis award. In 2005, he received the "Distinguished Policy Contribution" award from his professional association. In June 2007, Senator Richard G. Lugar of Indiana named Tyner an "Energy Patriot" for his work on energy policy analysis. In 2009 he received the Purdue College of Agriculture Outstanding Graduate Educator award. In the past 4 years, he has published papers with 14 graduate students.

He has 34 years of professional work experience including extensive long term and short term experience in developing countries. He spent three years (1985-88) in Morocco working as Senior Agricultural Economist and Deputy Team Leader for a project on planning, economics, and statistics for agriculture. Dr. Tyner has short-term experience in Senegal, Mali, Niger, the Gambia, Ghana, Burkina Faso, India, Bangladesh, China, Brazil, Morocco, Tunisia, Algeria, Egypt, Lebanon, Jordan, Kazakhstan, Estonia, Latvia, Lithuania, and Malaysia. He is fluent in French.

PERSONAL DATA:

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WORK EXPERIENCE:

current	James and Lois Ackerman Professor of Agricultural Economics
2008-present	Co-Director, Purdue Center for Research on Energy Systems and Policy
1984-10/2009	Professor of Agricultural Economics, Purdue University
2002/03	Visiting Professor at IAMM (Institute for Mediterranean Agriculture), INRA (National Agricultural Research Institute), and the University of Montpellier in Montpellier, France
1989-2002	Professor and Department Head, Department of Agricultural Economics, Purdue University, West Lafayette, Indiana
1985-1988	Senior Agricultural Economist and Deputy Team Leader, USAID project on Planning, Economics, and Statistics in Agriculture, Morocco
1977-Present	Assistant Professor, Associate Professor (1980), and Professor (1984), Department of Agricultural Economics, Purdue University

AWARDS:

2009	American Association of Agricultural Economics – Quality of Communication award for <i>What's Driving Food Prices?</i>
2009	Team award for multidisciplinary biofuels research, Purdue College of Agriculture
2009	Outstanding Graduate Educator, Purdue College of Agriculture
2007	Senator Richard G. Lugar – “Energy Patriot” award for contributions to energy policy analysis
2005	American Association of Agricultural Economics – Distinguished Policy Contribution Award for policy work in Morocco
2002	Governor Frank O'Bannon – “Sagamore of the Wabash,” highest award given by the State of Indiana for service to Indiana
1999	American Association of Agricultural Economics – Outstanding Group Extension Program, Purdue University
1990-91	Committee on Institutional Cooperation Academic Leadership Fellow
1984	Purdue University School of Agriculture, Outstanding Researcher Award
1982	Advisor to John Hoff, who received the Outstanding Master's Thesis award from the American Association of Agricultural Economics, for <i>The Feedback Effects of Higher Oil Prices on Production of Biomass Alcohols and Synfuels</i>
1982	Honorable Mention, Quality of Communication award of the American Association of Agricultural Economics, for <i>Transportation Energy Futures: Paths of Transition</i>

International Experience of Wallace E. Tyner

Dates	Organization	Country	Topic
2011	World Bank	Morocco	Energy and climate change issues
2009/10	World Bank	Morocco	Analysis of economic distortions in agriculture and the <i>Maroc Plan Vert</i>
2008	World Bank	Malaysia	Food crisis policy response
2007	World Bank	Morocco	Analysis of domestic and trade policy issues
2007	USAID	Morocco	Teach benefit cost analysis
2006	USAID	Morocco	Agricultural policy analysis
2004	World Bank	Tunisia	Issues paper for agricultural sector review
2003/06	USAID (MEPI)	Morocco	Agricultural strategy development
2003/04	World ank/FAO	Morocco	Analysis for Morocco-US free trade agreement
2002/03	World Bank	Middle East	Review of Regional Initiative for Dryland Management (Working Group on the Environment of the Middle East Peace Process)
2002	USAID	Ghana	Present paper on the role of agribusiness in regional integration in West Africa
2002	World Bank	Morocco	Synthesis of Cereals Policy Reform Issues
2002	USAID	Egypt	Ag. Sector planning and analysis
2001/02	USAID	Mali	Ag. Sector planning and analysis
2001/02	World Bank	Global	Contributor to WB rural development strategy
2001	World Bank	MENA Region	Principal author of the Rural Development Strategy for the WB MENA region, <i>Reaching the Rural Poor in the Middle East and North Africa Region</i>
2000	US Grains Council	Morocco	Evaluation of Morocco poultry programs
2000/01	World Bank	Lebanon	Wheat and sugar policy analysis, and strategic planning for the agricultural sector
1997-99	USAID	Egypt	Teach a course in benefit-cost analysis, evaluation of wheat/flour policy options, monitoring approaches for policy reforms, and trade policy assistance
1996	USAID	Mali	Work planning activity for INSAH
1996-00	World Bank	Morocco	Trade policy and protection analysis, sectoral reform, and impact evaluation methods
1995	USDA	Egypt	Analysis of U.S.-Egyptian competition in agricultural exports
1994	USDA	Kazakhstan	Review of USDA policy analysis project
1994	U. S. Grains Council	Morocco	Analysis of the impacts of reduction of maize protection on the poultry sector
1993	Abt Associates (USAID)	Morocco	Evaluation of study on the impacts of structural adjustment measures in agriculture
1992/93	World Bank	Latvia	Agriculture sector review and project identification
1988-95	USDA-PASA & DAI (USAID)	Morocco	15 trips dealing with topics related to structural adjustment, market reform, trade liberalization, and ag policy analysis
1991	Hudson Institute	Estonia, Latvia, and Lithuania	Transformation of the agricultural sector from a controlled to a market economy (structural adjustment)
1990/91	Abt Associates (USAID)	Tunisia	Liberalization of trade and decontrolling domestic markets in animal feed ingredients
1990	WPI, Inc.	Algeria	Seminar and paper on the functioning of U.S. agriculture and lessons to be learned for Algerian re-structuring
1985-88	USDA-PASA (USAID)	Morocco	Long term resident as agricultural economist and deputy team leader in project designed to improve economics and statistics in agriculture

SELECTED PUBLICATIONS:Books

Tyner, Wallace E. *Energy Resources and Economic Development in India*, Leiden, Netherlands: Martinus Nijhoff Press, 1978

Tyner, Wallace E.; and Kalter, Robert J. *Western Coal: Promise or Problem*, Lexington, MA: Lexington Books, 1978.

McKinzie, Lance; Baker, Timothy G.; and Tyner, Wallace E. *A Perspective on U.S. Farm Problems and Agricultural Policy*, Boulder, CO: Westview Press, 1987.

Selected Papers

Tyner, Wallace E.; and Adams, John. "Rural Electrification in India: Bio-Gas vs. Large Scale Power," *Asian Survey*, Vol. 17, No. 8, August 1977, 724-734.

Adams, John; and Tyner, Wallace E. "Energy in Rural India: National Policy from the Village Perspective," *Indian Journal of Agricultural Economics*, Vol. 32, No. 4, October-December 1977, 77-90.

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Meekhof, Ronald L.; Tyner, Wallace E.; and Holland, Forrest L. "U.S. Agricultural Policy and Gasohol: A Policy Simulation." *American Journal of Agricultural Economics* 62, No. 3 (August 1980): 408-15.

Weiler, Edward M.; and Tyner, Wallace E. "Social Cost-Benefit Analysis of the Nianga Irrigation Pilot Project, Senegal," *Journal of Developing Areas*, Vol. 15, No. 4, July 1981, 655-70.

Schrader, Lee F.; and Tyner, Wallace E. "The Relationships Between World Sweetener Markets and Alcohol Production," paper prepared for Organization for Economic Cooperation and Development (OECD) symposium on "Biomass for Energy," 1982.

Reining, Robert C.; and Tyner, Wallace E. "The Economics of Small Scale Sunflower Oil and Grain Alcohol," *American Journal of Agricultural Economics*, Vol. 63, No. 3, August 1983, 567-70.

Tyner, Wallace E.; and Hrabovszky, Janos P. "Energy, Equity, and Agricultural Development." In *Rural Development: Growth and Inequity*, IAAE Occasional Paper No. 3, pp. 225-29. Edited by Bruce L. Greenshields and Margot A. Bellamy. Gower Publishing Co., 1983.

Binkley, James K.; Tyner, Wallace E.; and Matthews, Marie E. "Evaluating Alternative Energy Policies: An Example Comparing Transportation Energy Investments." *Energy Journal* 4, No. 2 (April 1983): 91-104.

Proctor, Robert; and Tyner, Wallace E. "Assessing the Impact of Peak-Load Electricity Pricing and Solar Tax Credits on the Adoption of Solar Energy," *Land Economics*, Vol. 60, No. 1, February 1984, 49-55.

Hoff, John D.; and Tyner, Wallace E. "Inter-fuel and Inter-market Competition in Production of Biomass Alcohols: Results of a Model Combining Energy and Agricultural Markets," *Pacific and Asian Journal of Energy*, Vol. 1, No. 1, January 1987, 54-60.

Tyner, Wallace E.; and Moulay Benaissa, Samia. "Policy Reform in Domestic Marketing and Foreign Agricultural Trade in Morocco." In *Selected Papers from The Symposium on Regional and Rural Development in The Kingdom of Saudi Arabia: Strategies and Programs*, pp. 55-74. King Saud University, Riyadh, Saudi Arabia, 1990.

Abbott, Philip C.; Tyner, Wallace E.; Roth, Michael J.; and Rafsnider, Giles F. "The Economics of Wheat Production in Morocco," *Journal of Agricultural Economics*, 42, No. 1 (January 1991): 23-32.

Tyner, Wallace E. "Agricultural Sector Transformation to a Market Economy in the Baltic Republics." Report to the International Baltic Economic Commission, November 1991.

Stucky, Donna J.; and Tyner, Wallace E. "Economic Analysis of a Municipal Recycling Program." *American Journal of Agricultural Economics* 73, No. 5 (December 1991): 1534.

Kristjansson, Patricia; and Tyner, Wallace E. "Impacts of Feed Ingredient Subsidy Removal and Concurrent Trade Liberalization in Tunisia." *Agricultural Economics* 7 (1992): 331-39.

Bouanani, Mokhtar; and Tyner, Wallace E. "Structural Adjustment Policies and Agricultural Development in Morocco." In *Sustainable Agricultural Development: The Role of International Cooperation* (Proceedings of the 21st International Conference of Agricultural Economists, Tokyo, Japan), pp. 281-290. Hants, England: Dartmouth Publishing Company Ltd., 1992.

Tyner, Wally. "Studies on Wheat Trade Liberalization and Domestic Policy Reform in Morocco." USAID Cereals Marketing Reform project report #19, January 1994.

Numerous contributors including Wallace E. Tyner. *Latvia Agricultural Sector Review*. World Bank Report No. 12401-LV, December 1994.

Tyner, Wallace E.; and El-Saied, Ali A. "Analysis of Potential Competition Between U.S. and Egyptian Agricultural Exports." Study conducted for the USAID mission in Egypt, February 1995.

Tyner, Wallace E. "Corn-Derived Ethanol as a Liquid Fuel." In *The New Global Oil Market: Understanding Energy Issues in the World Economy*, pp.195-200. Edited by Siamack Shojai. Westport, CT: Praeger Publishers, 1995.

Arndt, Channing; Serghini, Hassan; and Tyner, Wallace E. "Analysis of the Impacts of Reducing Maize Protection Levels on the Moroccan Poultry Sector." *American Journal of Agricultural Economics* 77, No. 5 (December 1995): 1378.

Abbott, Philip P.; Tyner, Wallace E.; and Cripe, Kelly. "The GATT Outcome and Price Stability: World Wheat Market and Moroccan Import Policy." Paper presented at the IAAE and AMAEco Interconference Symposium: GATT Implementation and Structural Adjustment in the Mediterranean Region, June 24-26, 1996, Rabat, Morocco.

Tyner, Wallace E.; and Arndt, Channing. "Moroccan Policy Reform in Cereals, Sugar, and Oilseeds." Associates for International Resources and Development, July, 1996. Paper prepared as part of a World Bank mission to Morocco.

Tyner, Wallace E. "Development of an Approach for Monitoring and Evaluation of the Impacts of the Agricultural Development Fund." A report to the World Bank and the Moroccan Ministry of Agriculture, June 1997, 31 pages.

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Mohamed, A. Mohamed; and Tyner, Wallace E. "Aid and Debt Issues in Egypt: Past Trends and Future Prospects." Department of Agricultural Economics Staff Paper #98-4, April 1998.

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He, Lixia; Tyner, Wallace E.; Doukkali, Rachid; and Siam, Gamal. "Strategic Policy Options to Improve Water allocation Efficiency: Analysis on Egypt and Morocco." Paper presented at AAEA Annual Meeting in Providence, RI. July 2005. http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=16141&ftype=.pdf

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He, Lixia; Tyner, Wallace E.; Doukkai, Rachid; and Siam, Gamal. "Policy Options to Improve Water Allocation Efficiency: Analysis on Egypt and Morocco." *Water International* 31-3 (2006), pp.320-337.

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Tyner, Wallace E.; and Caffé, Maxime. "US and French Biofuels Policy – Possibilities for the Future," Paper presented at the OECD Workshop on Bioenergy Policy Analysis, Umea, Sweden, 22-23 January 2007.

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Tyner, Wallace E. "What We Know and What We Need to Know on Biofuels, Food, and Feed Tradeoffs." Presentation concluding the Farm foundation/USDA conference, St. Louis, MO, April 12-13, 2007. Published in *Biofuels, Food, and Feed Tradeoffs* pages 149-153. <http://www.farmfoundation.org/projects/documents/biofuelspaper-tyner.pdf>

Taheripour, Farzad, and Tyner, Wallace E. "Ethanol Subsidies: Who Gets the Benefits," paper presented at the Farm Foundation/USDA conference, April 12-13, 2007, St. Louis, Missouri. Published in *Biofuels, Food, and Feed Tradeoffs*, pages 91 - 98. http://www.farmfoundation.org/projects/documents/TaheripourandTyner_St_Louis.pdf

Tyner, Wallace E. "Biofuels, Energy Security, and Global Warming Policy Interactions." Paper presented at the National Agricultural Biotechnology Council conference, South Dakota State University, Brookings, SD, May 22-24, 2007. Published in *Agricultural Biofuels: Technology, Sustainability and Profitability* (NABC Report 19), edited by A. Eagleshan and R.W.F. Hardy, pp. 155-65.

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