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Education

- Ph.D. Iowa State University. Department of Economics. Major field of Agricultural Production and Finance; Minor in Statistics. 1990.
- M.S. University of Minnesota. Department of Agricultural and Applied Economics. 1987.
- B.B.A. University of Portland, Oregon. College of Business Administration. 1977.

Professional Experience

Professor. Dept. of Agricultural Economics and Rural Sociology, Auburn University. 2000-present.

Affiliate Scientist. Economics Program, International Maize and Wheat Improvement Center (CIMMYT). 1996 - 2003.

Assistant & Associate professor. Dept. of Agricultural Economics and Rural Sociology, Auburn University. 1990-2000.

Visiting Scientist. Economics Program, International Maize and Wheat Improvement Center (CIMMYT). July - August, 1993 & June-August, 1996.

Pre-doctoral Research Fellow. Economics Program, International Maize and Wheat Improvement Center (CIMMYT), 1988 - 1990.

Research Assistant/Instructor. Center for Agricultural and Rural Development (CARD), Iowa State University. September 1985 - June 1988.

Research Assistant. Dept. of Agricultural and Applied Economics, University of Minnesota. June 1984 - August 1985.

Honors and Awards

Member, National Academies of Sciences committee, *Global Challenges and Directions for Agricultural Biotechnology: Mapping the Course*, 2004-05.

Research Fellow, Rural Development Research Consortium, University of California, Berkeley
2001 Director's Research Award, Alabama Agricultural Experiment Station

Outstanding Professional Contribution in Teaching Programs, Southern Agricultural Economics Association, 1994. (Received jointly with N.R. Martin and P.A. Duffy)

Mu Sigma Rho, National Honor Fraternity for Statistics

Sigma Xi, The Scientific Research Society

Gamma Sigma Delta, The Honor Society of Agriculture

Publications

Journal Articles

- Traxler, G. "The GMO experience in North & South America." *International Journal of Technology and Globalization*, 2(2005):in press.
- Acquaye, A.K.A. and G. Traxler. "Monopoly Power, Price Discrimination and Access to Biotechnology Innovations." *AgBioForum*, 8(2005):1-7.
- Jefferson-Moore, K.Y. and G. Traxler. "Second Generation GMOs - Where to From Here?" *AgBioForum*, 8(2005): 143-150.
- Jolly, C., K. Jefferson-Moore, and G. Traxler. "Consequences of Biotechnology Policy for Competitiveness and Trade of Southern U.S. Agriculture." *Journal of Agricultural and Applied Economics*, 2005.
- Jefferson-Moore, K., G. Traxler., & H. W. Kinnucan. "Value-Enhanced Genetically Modified Crops: Research Incentives and Implications for Developing Countries." *Quarterly Journal of International Economics*, 44 (2005), No. 3: 311-326.
- Qaim, M. and G. Traxler. "Roundup Ready Soybeans in Argentina: Farm Level, Environmental, and Welfare Effect." *Agricultural Economics*, 32(2005):73-86.
- Traxler, G., and Godoy-Avila, S. "Transgenic cotton in Mexico." *AgBioForum*, 7(2004), 57-62.
- Zohrabian, A., G. Traxler, S. Caudill, and M. Smale "Valuing Crop Genetic Resources: A Maximum Entropy Approach." *American Journal of Agricultural Economics*, 85(May, 2003) 430-37.
- Pingali, P.L. and G. Traxler. "The Changing Locus of Agricultural Research: Will the Poor Benefit from Biotechnology and Privatization Trends?" *Food Policy*, 27(2002).
- Traxler, G. and D. Byerlee, "Linking Technical Change to Research Effort: An Examination of Aggregation and Spillover Effects," *Agricultural Economics*, 24(March 2001):235-246.
- Falck-Zepeda, J.B., G. Traxler and R.G. Nelson. "Surplus Distribution from the Introduction of a Biotechnology Innovation." *American Journal of Agricultural Economics*, 82:2(May 2000):360-69.
- Falck-Zepeda, J.B., G. Traxler and R.G. Nelson. "Rent Creation and Distribution from Biotechnology Innovations: The Case of Bt Cotton and Herbicide-Tolerant Soybeans in 1997," *Agribusiness*, 16:1(Winter 2000):21-32.
- Traxler, G. "Assessing the Prospects for the Transfer of Genetically Modified Crop Varieties to Developing Countries," *AgBioForum*, 2:3&4(Summer/Fall 1999).
- Traxler, G. "Balancing Basic, Genetic Enhancement and Cultivar Development Research in an Evolving US Plant Germplasm System," *AgBioForum*, 2:1(Winter 1999).
- Traxler, G., J.B. Falck-Zepeda, "The Distribution of Benefits from the Introduction of Transgenic Cotton Varieties," *AgBioForum*, 2:2(Spring 1999).
- Mitchell, C.C., G. Traxler, J.L. Novak. "Measuring Sustainable Cotton Production Using Total Factor Productivity," *Journal of Production Agriculture*, 9 (July-September 1996):289-97.
- Babu, S.C., B.T. Nivas and G. Traxler. "Irrigation Development and Environmental Degradation in Developing Countries: A Dynamic Model of Investment Decisions and Policy Options," *Water Resources Management*, 10 (1996):129-46.
- Traxler, G. and D. Byerlee, "National and International Wheat Improvement Research in the Post-Green Revolution Period: Evolution and Impacts," *American Journal of Agricultural Economics*, 77:2(May 1995):268-78.
- Traxler, G., J.B. Falck-Zepeda, I. Ortiz-Monasterio, and K. Sayre. "Production Risk and the Evolution of Varietal Technology." *American Journal of Agricultural Economics*, 77:1(February 1995):1-7.
- Traxler, G. and D. Byerlee. "A Joint-Product Analysis of the Adoption of Modern Cereal Varieties in Developing Countries," *American Journal of Agricultural Economics*, 75 (Nov. 1993):981-89.
- Traxler, G. and D. Byerlee. "Economic Returns to Crop Management Research in a Post-Green Revolution Setting," *American Journal of Agricultural Economics*, 74 (Aug. 1992):573-82.
- Novak, J., G. Traxler, M. Runge and C. Mitchell. "The Effect of Mechanical Harvesting Technology on Southern Piedmont Cotton Production, 1896-1991," *Agricultural History*, 69 (1995):249-66.

- Kee, D., J. Novak, G. Traxler, R. Shelby, and L. Dalrymple. "Endophyte Infection Found to Increase Over Time," *American Forages and Grasslands Council News*, 5 (Spring 1994):3-5.
- Kinnucan, H. and G. Traxler. "Ranking Agricultural Economics Departments by *AJAE* Page Counts: A Reappraisal and Extension." *Agricultural and Resource Economics Review*, 23 (Oct. 1994):194-99.
- Molnar, J.J. and G. Traxler. "People Left Behind: Transitions of the Rural Poor," *Southern Journal of Agricultural Economics*, 23 (July 1991):75-84.
- Traxler, G., M. Renkow, and L. Harrington. "Assessing the Impact of New Technology: Three Levels of Analysis," *Journal of the Asian Farming Systems Association*, 1:2(1991):227-44.
- Hussain, S.S., J. Longmire, M.M. Ali, and G. Traxler. "The Yield Gap for Wheat in Pakistan," *Pakistan Journal of Agricultural Social Sciences*, 5 (July 1990):56-85.
- Traxler, G. and V.W. Ruttan. "Assistance for Water Resource Development in Pakistan," *Pakistan Journal of Agricultural Social Sciences*, 1 (1986):72-91.

Monographs

- Trigo, E., G. Traxler, C. Pray, and R. Echeverría. *Agricultural Biotechnology And Rural Development In Latin America And The Caribbean: Implications for IDB Lending*. Technical Paper RUR-107, Sustainable Development Department, Inter-American Development Bank, Washington, D.C., 2002.
- Falck-Zepeda, J.B., G. Traxler and R.G. Nelson. *Rent Creation and Distribution from the First Three Years of Planting Bt Cotton*, ISAAA Briefs No. 14. International Service for the Acquisition of Agri-biotech Applications: Ithaca NY, 2000.
- Traxler, G. and D. Byerlee. *Crop Management Research: The Products and Their Impacts on Productivity*, CIMMYT Economics Paper No. 5. Mexico, D.F.:CIMMYT, 1992.

Book Chapters

- Traxler, G. "Biotechnology in a complete system of genetic improvement: A perspective on developed and developing countries." ed. Hoan Le, FAO:Rome, in press.
- Traxler, G., S. Godoy-Avila, J. Falck-Zepeda, and J. Espinoza-Arellano. "Transgenic Cotton in Mexico: Economic and Environmental Impacts." pp. 183-202 in *Economic and Environmental Impacts of First Generation Biotechnologies* ed. Nicholas Kalaitzandonakes, Kluwer Academic, New York, 2003.
- Trigo, E.J., G. Traxler, C. Pray, and R. Echeverría. "Agricultural Biotechnology in Latin America and the Caribbean." in *The Future of Food: Agricultural Biotechnology: Markets and Policies in an International Setting* ed. P. Pardey, International Food Policy Research Institute, International Food Policy Research Institute, 2001.
- Falck-Zepeda, J.B., G. Traxler and R. G. Nelson. "Cotton GMO Adoption and Private Profitability," in *The Economics and Politics of Genetically Modified Organisms in Agriculture* ed. G.C. Nelson, Academic Press, 2001.
- Byerlee, D. and G. Traxler. "The Role of Technology Spillovers and Economies of Size in the Efficient Design of Agricultural Research Systems," in *Agricultural Science Policy: Changing Global Agendas* eds. J.M. Alston, P.G. Pardey, and M.J. Taylor, Johns Hopkins University Press, 2001.
- Falck-Zepeda, J.B. and G. Traxler. "The Role of Federal, State, and Private Institutions in Seed Technology Generation in the United States: The Case of Cotton," in *Public-Private Collaboration in Agricultural Research: New Institutional Arrangements and Economic Implications* eds. K. Fuglie and D. Schimmelpfening, Iowa State University Press, 2000.
- Traxler, G. and P.L. Pingali. "Enhancing the Diversity of Modern Germplasm through the International Coordination of Research Roles." in *Farmers, Gene Banks and Crop Breeding: Economic Analyses of Diversity in Rice, Wheat and Maize*, ed. M. Smale, Kluwer Academic Publishers, 1998.
- Byerlee, D. and G. Traxler. "Estimation of Actual Spillovers of National and International Wheat Improvement Research," in *Research Efficiency in the Presence of Technology Spillovers: The*

Case of National and International Wheat Improvement Research, in eds. M.K. Maredia and D. Byerlee. CIMMT Research Report No. 3. CIMMYT: Mexico, D.F., 1999.

Traxler, G., J. Novak, C. Mitchell, and M. Runge. "Long-Term Cotton Productivity: Alabama Old Rotation Study." in *Agricultural Sustainability in Economic, Environmental and Statistical Terms*, eds. V. Barnett, T. Payne, and R. Steiner. Chichester: John Wiley and Sons, 1995.

Invited Papers and Presentations (last few years)

"Agricultural Research Strategies for Developing Countries." Presented at the V International PENSA Conference on Agri-food Chains, Networks, Economics and Management, Ribeirão Preto, Brazil July 27-29, 2005.

"Access to Biotechnology Innovations in Developing Countries." Presented at the XLIII Congresso da Sociedade Brasileira de Economia e Sociologia Rural Instituições, Eficiência, Gestão e Contratos no Sistema Agroindustrial, Ribeirão Preto, Brazil July 24-27, 2005.

"Biotechnology in Argentina: Institutional Setting, Welfare Effects and Lessons Learned." Presented to the Global *Biotech Forum on Global Sharing of Knowledge and Experience on Crop Biotechnology*, Bangkok, 17 June 2005.

"Biotech Crops: Economic and Environmental Impacts." Presented to the *Forum on Global Sharing of Knowledge and Experience on Crop Biotechnology*, Bangkok, 17 June 2005.

"Seeds, Science and US Dominance in the Development and Use of Transgenic Seeds." Presented to the ESA and the IDWG Biotechnology Seminar at FAO headquarters, Rome, 9 June, 2005.

"Research Priorities for Developing Countries – Institutional Prerequisites." Presented at the conference *Making GM crops work for human development: socio-economic issues and institutional challenges*, Bellagio 31 May – 4 June, 2005.

"Social Cohesion And The Use Of Transgenic Technology In Latin America." Presented at the 3rd annual GE3LS Genome Canada Symposium, *Social Divisions in the Genomic Era*," Toronto, 13-15 March 2005.

"Research Priorities for Developing Countries – Institutional Prerequisites." Presented at the Workshop: *Agricultural biotechnology for human development: Socio-economic consequences and issues*." Kennedy School of Government, Harvard University, 21-22 January, 2005.

"Value Enhanced Genetically Modified Crops And Implications For The United States" Presented at the Symposium: *Innovation and Dynamic Efficiency in Agricultural Biotechnology*, 14-15, October 2004, Economic Research Service, Washington, D.C. (With K.Y. Jefferson-Moore).

"Trends in Public Plant Breeding and Biotech Research." Presented at the Symposium: *Innovation and Dynamic Efficiency in Agricultural Biotechnology*, 14-15, October 2004, Economic Research Service, Washington, D.C.

"Price Discrimination and Access to Improved Technology." Presented at the Symposium: *Innovation and Dynamic Efficiency in Agricultural Biotechnology*, 14-15, October 2004, Economic Research Service, Washington, D.C. (with Albert Acquaye).

"Public vs. Private Funding for Transgenic Research" Presented at the Symposium: *Transgenics in Plant Breeding: Do They Have a Future?* 2004 ASA-CSSA-SSSA International Annual Meetings, Seattle Oct 31 - Nov 4, 2004

"Productivity and innovation in the Latin America Agricultural Sector." Presented at the Tenth Annual World Bank Conference on Development in Latin America & the Caribbean, San José, Costa Rica November 3, 2004

"The GMO experience in North & South America – where to from here?" Presented at the Symposium: *Biotechnology for a better world*, 4th International Crop Science Congress, Brisbane, Queensland, Australia, 26 September - 1 October 2004.

"Biotechnology in a Complete System of Genetic Improvement: A Perspective on Developed and Developing Countries" Presented at the 2nd International Conference of the Brazilian Biotechnology Society, *Fronteiras da Biologia*, Salvador, Brazil, August 16-20, 2004.

"Current Status of Plant Breeding in the U.S." Presented to the Public Research Advisory Committee at the American Seed Trade Association and AOSCA Joint Annual Convention 2004: Philadelphia, June 28, 2004.

- “The Distribution of the Benefits of Biotechnology in the Americas.” Presented to the *Ministerial Conference on the Use of Science and Technology for Improving Competitiveness in the Agricultural Sector in Central America* San Jose, Costa Rica, May 10-11, 2004.
- “Implications of Biotechnology for Trade and Development.” Presented at the 61st Annual Professional Agricultural Workers Pre-conference: *Building Coalitions to Make a World of Difference*, Tuskegee University, December 6, 2003
- “Institutional Issues for Developing Country Access to Biotechnology Innovations.” Seminar presented to the Economics of Science and Innovation Policy Workshop, Department of Economics, Iowa State University, December 1, 2003
- “Intellectual Property Rights in Agriculture: Farm Level Issues.” Paper presented at American Society of Agronomy Pre-conference: *IPRs in Agriculture: Implications for Seed Producers and Users*, Denver, November 2, 2003
- “Biotechnology in a Complete System of Genetic Improvement.” Graduate Seminar presented to the Department of Agricultural and Environmental Sciences, Center for Plant Biotechnology Research, Tuskegee University, October 24, 2003
- “Impacto De La Soja Como Factor De Desarrollo En La Economia Paraguaya.” Presentation to the Club Económico de Asunción, Asunción, Paraguay, July 24, 2003.
- “Who Can Deliver the Benefits of Biotechnology to Farmers in Developing Countries?” Seminar presented to the Agriculture and Economic Development Analysis Division of the Food and Agriculture Organization, Rome, July 8, 2003.
- “Bt Cotton and Pesticide Use in Cotton Production.” Presented to the National Hellenic Research Foundation Conference: *Sustainable Development In Agriculture: The case of GM crops*; Athens, May 10th 2003.
- “Economic and Environmental Impacts of Transgenic Plants” Presented at the University of Crete, May 12th 2003.
- “Let them eat GM? The Biotechnology Picture in Latin America.” Presented to the conference *Crossing Over: Genomics in the Public Arena*, sponsored by the Genomics, Ethics, Environmental, Economic, Legal and Social Studies project of Genome Canada, Kananaskis, Alberta April 25-27, 2003.
- “An Economic Analysis of Benefit Sharing from Transgenic Crops in Developed and Developing Countries.” Presented at the Department of Agronomy and Horticulture, University of Nebraska, March 28, 2003.
- “Who Can Deliver the Benefits of Biotechnology to Farmers in Developing Countries? An Economist’s Viewpoint” Presented at the Donald Danforth Plant Science Center, St. Louis, March 26, 2003.
- “Bt cotton and pesticide use in cotton production” presentation to the National Academies of Sciences Roundtable on Science and Technology for Sustainability workshop *Challenges and Opportunities for Science and Technology in Support of a Transition Toward Sustainability*. Washington, DC, March 20, 2003
- “Proceso y Impacto de los Cultivos Transgénicos en Países en Desarrollo” Presented at INTA headquarters, Managua, Nicaragua, January 31, 2003.
- “The Economics of Transgenic Cotton Production in the Developing World.” Presented at a training course *Biotechnology and Agricultural Development*, World Bank, Washington DC, January 9, 2003.
- “Roundup Ready Soybeans in Argentina: Farm Level and Welfare Effects.” Presentation to INRA, Grenoble, December 19, 2002.
- “Adoption of biotechnology crops in the USA,” Presentation at the workshop *Biotechnology, the US, and the EU: A challenge to the world trading system?* U.S. Embassy, Berlin; Deutsche Industrie- und Handels-kammer Tag (DIHK); Wilmer, Cutler & Pickering. Berlin, Haus der Deutschen Wirtschaft, Oct 14, 2002.
- “Biotechnology in a Complete System of Genetic Improvement: A Perspective on Developed and Developing Countries” Presented at the FAO/ASA Symposium on *Plant Biotechnology*:

- Perspectives from Developing Countries and Partners: Towards a Global Strategy for Food Security and Poverty Alleviation.* Indianapolis, Indiana, USA, 12-14 November 2002
- “Agricultural Biotechnology and Rural Development in Latin America and the Caribbean” Inter-American Institute For Cooperation on Agriculture (IICA) roundtable discussion, Washington, DC September 20, 2002 .
- “Aspectos económicos de la biotecnología agrícola en los países en desarrollo.” Short course presented at Universidad Autónoma De Chiapas, Villa Flores, Mexico June 17-19, 2002.
- “Adoption and Benefits of Bt Cotton in the Developing World,” Presented at the symposium *Biotechnology, Food Security, and Biodiversity*, World Bank, Washington DC, April 10th, 2002.
- “The Economics of Transgenic Crops in the Developing World” Presented at USDA/CSREES, Washington DC, April 9, 2002.
- “The Economic Context for Agricultural Biotechnology: Developing World Realities.” Presentation to the National Academy Sciences Committee on Biotechnology, Health, and the Environment, Washington DC, November 8, 2001.
- “Biotechnology in a Complete System of a Genetic Improvement: A Policy Perspective on Developed and Developing Countries” International Food Policy Research Institute Policy Seminar Series Presentation, Washington DC, October 18, 2001.
- “Farm-Level Effects of Biotechnology: Status of Research” Presentations at the AAEA pre-conference workshop *Research And Policy Needs Of A Chastened Agbiotech Sector*, Chicago, August 4, 2001.
- “Transgenic Cotton in Mexico: Economic and Environmental Impacts.” Paper presented at *Biotechnology and Rural Livelihood — Enhancing the Benefits*, Consultation organized by the International Service for National Agricultural Research; The Hague, The Netherlands, June 25 - 28, 2001.
- “Biotechnology in a Genetic Improvement System: A Perspective on Developed and Developing Countries.” Presentation at *Biotechnology and Rural Livelihood — Enhancing the Benefits*, Consultation organized by the International Service for National Agricultural Research, The Hague, The Netherlands, June 25 - 28, 2001.
- “Challenges Facing Plant Biotechnology in Latin America.” Presentation at the Inter-American Development Bank, Washington, DC, Nov. 7, 2000.
- “Biotechnology, Food and the Environment: Some discussion points.” Presentation at the National Public Policy Education Conference, Albany, New York, Sept. 17-20, 2000.
- “The Benefits of Biotechnology: An Economist’s Perspective.” Presentation at the 117th annual meeting of the American Seed Trade Association, San Francisco, CA, June 18-22, 2000.
- “Genetically Modified Crop Varieties in Latin America: A Perspective on Institutional Capacity.” Presentation at the Inter-American Development Bank, Washington, DC June 16, 2000.
- “Biotechnology in Latin America” Presentation at the conference, *Biotechnology and the Public Interest: Prospects of Biotechnology in the Developing and Developed World*, University of California, Berkeley, April 28, 2000.
- “Biotechnology in US and International Agriculture” Presentation to New Hampshire State Legislative Committee on Sterile Seed Technology, April 3, 2000.
- “The Economics of Transgenic Crops: Welfare Impacts and Some Current Issues” Presentation to ARS National Program Staff, October 8, 1999.
- “Economic Incentives and the Roles of Research Partners in Genetic Improvement Research” Paper presented at the National Academy Sciences symposium *Organizing for International Agricultural Research Collaboration*, Washington D.C., April 1-2, 1999.
- “Actividades científicas y colaboración institucional en el sistema de mejoramiento de maíz,” Presentation at the CIMMYT/IICA workshop *Desafíos presentes y futuros de la investigación agrícola regional: Implicaciones de Políticas*, San Jose, Costa Rica, February 25-26, 1999.
- “Surplus Distribution from the Introduction of a Biotechnology Innovation.” Presentation at the Economic Research Service Inter-Divisional Biotechnology Seminar Series, Washington, D.C., February 1, 1999.

Presented Papers, abstracted

- Acquaye, A. and G. Traxler. "Price Discrimination and Access to Improved Technology in a Privatized World." Paper presented at the 7th International Conference, *Public Goods and Public Policy for Agricultural Biotechnology*, Ravello, Italy, June 29 – July 3, 2003.
- Jefferson, K. and G. Traxler "The Economics of Value Enhanced Crops: An Analysis of Benefit Sharing in the U.S." Selected paper presented at annual meeting of American Agricultural Economics Association, 28-31 July, 2002, Long Beach. *American Journal of Agricultural Economics*, 84 (Dec. 2002).
- Traxler, G. S. Godoy-Avila, J. Falck-Zepeda, and J. deJesús Espinoza-Arellano "Transgenic Cotton in Mexico: Economic and Environmental Impacts." Paper presented at the 5th International Conference, *Biotechnology, Science and Modern Agriculture: a New Industry at the Dawn of the Century*, Ravello, Italy, June 15, 16, 17, 18, 2001.
- Jefferson, K., G. Traxler and N. Wilson. "The Economics of Value Enhanced Crops: Status, Institutional Arrangements and Benefit Sharing." Paper presented at the 5th International Conference, *Biotechnology, Science and Modern Agriculture: a New Industry at the Dawn of the Century*, Ravello, Italy, June 15, 16, 17, 18, 2001.
- Zohrabian A., G. Traxler, and S. Caudill. "Benefits From Utilizing Crop Genetic Resources: The Case of Soybean and Soybean Cyst Nematode." Selected paper presented at annual meeting of American Agricultural Economics Association, 31 July - 2 August, 2000, Tampa. *American Journal of Agricultural Economics*, 82 (Dec. 2000).
- Wilson, N.L., G. Traxler and G. Sain. "Maize Seed Markets and Institutional Structure in Central America & the Caribbean." Selected paper presented at annual meeting of American Agricultural Economics Association, 31 July - 2 August, 2000, Tampa. *American Journal of Agricultural Economics*, 82 (Dec. 2000).
- Zohrabian, A. and G. Traxler. "Valuing Plant Genetic Resources: An Economic Model of Utilization of the U.S. National Crop Germplasm Collection." Selected paper presented at annual meeting of American Agricultural Economics Association, 8-11 August, 1999, Nashville. *American Journal of Agricultural Economics*, 81 (Dec. 1999).
- Anton, T.E., G. Traxler, D. Kuhlert, J.W. Prevatt, S. Jungst, and J.A. Little. "An Empirical Analysis of Cross-Breeding in Swine." Selected paper presented at the annual meeting of Southern Agricultural Economics Association, 1-3 Feb., 1998, Little Rock, Arkansas. *Journal of Agricultural and Applied Economics*, 30 (July 1998).
- Anton, T.E., G. Traxler, J.W. Prevatt, and L. Kriese. "Determinants of Purebred Bull Prices at Alabama Bull Test Sales." Selected paper presented at the annual meeting of Southern Agricultural Economics Association, 1-3 Feb., 1997, Birmingham, Alabama. *Journal of Agricultural and Applied Economics*, 29 (July 1997):203-04.
- Traxler, G., D. Byerlee and K.B.L. Jain. "The Downsizing of Agricultural Research: Incorporating Scale Economies and Spillovers into Research Evaluation." Selected paper presented at annual meeting of American Agricultural Economics Association, 6-9 August, 1995, Indianapolis. *American Journal of Agricultural Economics*, 77 (Dec. 1995).
- Traxler, G. and D. Byerlee. "National and International Crop Improvement Research in the Post-Green Revolution: Substitute or Complement Investments?" Selected paper presented at annual meeting of American Agricultural Economics Association, 7-10 August, 1994, San Diego, CA. *American Journal of Agricultural Economics*, 76 (Dec. 1994):1243.
- Renkow, M. and G. Traxler. "Incomplete Adoption of Modern Cereal Varieties: The Role of Grain-Fodder Tradeoffs." Selected paper presented at annual meeting of American Agricultural Economics Association, 7-10 August, 1994, San Diego, CA. *American Journal of Agricultural Economics*, 76 (Dec. 1994):1264.
- Traxler, G., J. Falck-Zepeda, and I. Ortiz-Monasterio, K.D. Sayre, and S. Rajaram. "Production Risk and the Evolution of Varietal Technology." Selected paper presented at annual meeting of American Agricultural Economics Association, 1-4 August, 1993, Orlando, Florida. *American Journal of Agricultural Economics*, 75 (Dec. 1993):1303.

- Novak, J., G. Traxler, M. Runge, and C. Mitchell. "Factor Productivity Indexes of Sustainable Cotton Rotations Under Alternative Fertilizer Treatments, 1896-1990." Selected paper presented at annual meeting of American Agricultural Economics Association, 1-4 August, 1993, Orlando, Florida. *American Journal of Agricultural Economics*, 75 (Dec. 1993):1306.
- Mitchell, C.C., G. Traxler, J.L. Novak, and M.W. Runge. "Measuring Sustainable Cotton Production Using Total Factor Productivity." Selected paper presented at annual meeting of American Society of Agronomy, Cincinnati, OH, 7-12 Nov., 1993. *Agronomy Abstracts*, 1993.
- Falck-Zepeda, J.B., G. Traxler, and I. Ortiz-Monasterio. "The Impact of Technical Change on Production Risk of Modern Wheat Varieties." Selected paper presented at the annual meeting of Southern Agricultural Economics Association, 1-3 Feb., 1993, Tulsa, OK. *Journal of Agricultural and Applied Economics*, 25 (July 1993):295-96.
- Traxler, G. and D. Byerlee. "Separating the Grain from the Chaff: A Joint Product Perspective on the Evolution of Semi-Dwarf Wheat Varieties." Selected paper presented at the annual meeting of the American Agricultural Economics Association, 9-12 Aug., 1992, Baltimore, MD. *American Journal of Agricultural Economics*, 74 (Dec. 1992):1298.
- Traxler, G. "Identifying the Relationship Between Agronomic Research and Changes in Producers' Surplus," Selected paper presented at the annual meeting of American Agricultural Economics Association, 4-8 August, 1990, Vancouver, B.C., Canada. *American Journal of Agricultural Economics*, 72 (Dec. 1990):1366.

Published Proceedings

- Traxler, G. "The GMO experience in North & South America – where to from here?" Presented at the Symposium: *Biotechnology for a better world*, 4th International Crop Science Congress, Brisbane, Queensland, Australia, 26 September - 1 October 2004.
- Qaim, M. and G. Traxler. "Roundup Ready Soybeans in Argentina: Farm Level, Environmental, and Welfare Effect." Paper presented at the 6th ICABR Conference on "Agricultural Biotechnologies: New Avenues for Production, Consumption and Technology Transfer," Ravello (Italy), 11-14 July, 2002
- Traxler, G and P. L. Pingali. "Mejorando la Diversidad del Germoplasma a traves de la Coordinación Internacional de la Investigacion." Paper presented at the conference Desafíos Presentes y Futuros del la Investigación Agrícola Regional: Implicaciones de Políticas. San José, Costa Rica, 25-26 February, 1999.
- Traxler, G., Falck-Zepeda, J. and G. Sain. "Genes, Germplasm and Developing Country Access to Genetically Modified Crop Varieties." Paper presented at the ICABR conference on *The Shape of the Coming Agricultural Biotechnology Transformation: Strategic Investment and Policy Approaches from an Economic Perspective*. University of Rome "Tor Vergata", 17-19 June 1999.
- Traxler, G. "The Economic Benefit of Phosphogypsum Use in Agriculture in the Southeastern U.S." Proceedings of the Phosphogypsum Fact-Finding Forum, Tallahassee, Florida, December 7, 1995. Florida Institute of Phosphate Research Publication No. 01-132-117, February 1996.
- Novak, J.L., G. Traxler, M. Runge, and C. Mitchell. "The Effect of Mechanical Harvesting Technology on Southern Piedmont Cotton Production, 1896-1991." Presented at Agricultural History Society Symposium *Agribusiness and International Agriculture*, 16-18 June, 1994, Little Rock, Arkansas.
- Mitchell, C.C., G. Traxler, and J.L. Novak. "Alabama's Old Rotation Documents Sustainable Cotton Production," *Proceedings of the 1994 Southern Soil Fertility Conference*.

Other Publications

- Traxler, G. "The Economic Impacts of Biotechnology-Based Technological Innovations." ESA Working Paper No. 04-08, Agricultural and Development Economics Division The Food and Agriculture Organization of the United Nations, 2004.
- Zohrabian, A., G. Traxler, S. Caudill, and M. Smale. "The Marginal Value of an Accession" IFPRI Issue Brief #9, IPFRI, 2004.

- Traxler, G., J.B. Falck-Zepeda, and R.G. Nelson. "The Winners are...Farmers, Consumers, and Industry Benefiting from Adoption of Bt Cotton." *Highlights of Agricultural Research*, 47 (2000):13-14.
- Traxler, G. and Pingali, P. "Economic Incentives and the Roles of Research Partners in Genetic Improvement Research" Working paper, Economics Program, CIMMYT, El Batan, Mexico, October, 1999.
- Falck-Zepeda, J.B., G. Traxler, and R. Nelson. "Economic and Institutional Aspects of Biotechnology Developments: Farm Level Impacts." Paper presented at the 74th Annual Western Economics Association International Conference, July 7-10, 1999.
- Traxler, G. *The Impact of Germplasm Improvement on Food Production: Design Proposal*. Report prepared for the Impact Evaluation Group of the CGIAR, 1997.
- Anton, T, G. Traxler, D. Kuhlert, J.W. Prevatt, S. Jungst and J. Little. "A Financial Comparison of Swine Crossbreeding Systems," *Highlights of Agricultural Research*, 45 (1998):22-23.
- Traxler, G. Book review of Evenson, R.E. and C.E. Pray. *Research and Productivity in Asian Agriculture*. Ithaca: Cornell University Press, 1991. *American Journal of Agricultural Economics*, 74 (Nov. 1992):1049-51.
- Traxler, G. and J.J. Molnar. "Agriculture Sector Resilient During 1980's," *Highlights of Agricultural Research*, 38 (1991):15.
- Mitchell, C.C., G. Traxler, and J.L. Novak. "Old Rotation Documents Sustainable Cotton Production," *Cotton Research Update*, March 1994.

Grant activity

- USDA/CREES. "Protection, Acquisition & Use of Intellectual Property in Public & Private Plant Breeding, PI, 2002, \$16,000.
- International Food Policy Research Institute, "Policy Research Capacity Strengthening," PI, \$24,000, 2002-03.
- USDA/IFAFS. "Innovation and Dynamic Efficiency in Agricultural Biotechnology." Co-Principal Investigator, October 2000 – September 2003, \$855,000 (consortium project with Cornell, Rutgers and ERS).
- Rockefeller Foundation. "Analysis of the Distribution Of Welfare From the Introduction of Transgenic Cotton Varieties in Mexico." Principal Investigator, 2000-2002, \$47,300.
- USDA/NRI. "The Effect of Biotechnology Developments, Vertical Coordination and Seed Market Concentration on US Competitiveness in Agriculture." Principal Investigator, 1999-2001, \$40,000.
- USDA/ERS. "The Distributional Effects of Biotechnology Across the Marketing Chain for Cotton, Corn and Soybeans." Principal Investigator, Oct. 1999- Sept. 2001, \$15,000.
- USDA/ERS. Cooperative Agreement "Economic Valuation of Crop Genetic Resources," Principal Investigator. May 1998-Sept. 2000, \$40,000.
- USDA/ERS. Cooperative Agreement, "Vertical Relationships, Market Power, and the Distribution of Economic Surplus in US Agricultural Inputs Industry," Principal Investigator. May 1998-Dec. 1999, \$40,000.
- USDA/ERS. Cooperative Agreement, "Public and Private Sector Roles in Plant Breeding Research," Principal Investigator. March 1996 - December 1997- \$25,000.
- Rockefeller Foundation, "Productivity Analysis of Long-term Experiments" Co-P.I, 1993, \$15,000.

Teaching Experience

- Introduction to Econometrics (Graduate level)
- Agricultural Finance (Jr.-Sr. level)
- Advanced Agricultural Finance (Graduate level)
- Principles of Agribusiness Management (Jr.-Sr. level)
- Economics of Agricultural Production (Graduate level)
- Farm Management (Jr.-Sr. level)
- Principles of Microeconomics (introductory level)

Graduate Student Committees Chaired

- Jefferson, Kenrett. "The Economics of Value Enhanced Transgenic Crops: Status, Institutional Arrangements and Benefit Sharing." Ph.D. 2004.
- Zohrabian, Armineh. "Valuing Plant Genetic Resources: An Economic Model of Utilization of the U.S. National Soybean Germplasm Collection." Ph.D., 2000.
- Falck-Zepeda, Jose B. "An Analysis of Innovation in the Seed Cotton Sector: Germplasm Exchange and Welfare Consequences of the Release of Bt Transgenic Cotton Varieties in the United States." Ph.D., 1998.
- Anton, Thomas. "Empirical Analysis of Crossbreeding in Swine." M.S., 1997.
- Falck-Zepeda, Jose B. "An Analysis of Production Risk and the Evolution of Modern Wheat Varietal Technology." M.S., 1993.
- Pan, Tian-Jinn. "Financing Constraints and Investment in the U.S. Farm Sector." Ph.D., 1995 (co-chair).

Current Service Activity

Graduate Program Officer, Dept of Agricultural Economics and Rural Sociology
Auburn University Patent and Invention Disclosure Committee
Member, Cooperative regional research project NC-208, "Impact Analysis and Decision Strategies for Agricultural Research"
York Lecture Committee, College of Agriculture
Treasurer, Gamma Sigma Delta, Auburn University Chapter

Consulting Experience

The World Bank

United Nations Food and Agricultural Organization (FAO)

Inter-American Development Bank

Impact Assessment and Evaluation Group of the Consultative Group on International Agricultural Research (CGIAR)

International Maize and Wheat Improvement Center (CIMMYT)

Other

Fluent in Spanish