

References

- Abler, D. 2006. *Partial Equilibrium Agricultural Trade Simulator*. Online documentation available at <http://trade.aers.psu.edu/index.cfm>, (last accessed August 10).
- Aillery, M., N. Gollehon, R. Johansson, N. Key, and M. Ribaud. 2005. *Managing Manure to Improve Air and Water Quality*. Economic Research Report No. 9, U.S. Department of Agriculture, Economic Research Service, (September).
- ARKI Consulting and Development. 2006. *CONOPT Home Page*. Online documentation available at <http://www.conopt.com/>, (last accessed September 7).
- Babcock, B.A. 1992. "The Effects of Uncertainty on Optimal Nitrogen Application," *Review of Agricultural Economics*, Vol. 14, No. 2, pp. 271-280.
- Barnard, C., S. Daberkow, M. Padgett, M.E. Smith, and N.D. Uri. 1997. "Alternative Measures of Pesticide Use," *The Science of the Total Environment*, Vol. 203, pp. 229-244.
- Burfisher, M.E., R.M. House, and S.V. Langley. 1992. "Effects of a Free Trade Agreement on U.S. and Southern Agriculture," *Southern Journal of Agriculture Economics*, (July), pp. 61-78.
- Cattaneo, A., R. Claassen, R. Johansson, and M. Weinberg. 2005. *Flexible Conservation Measures on Working Land*. Economic Research Report No. 5, U.S. Department of Agriculture, Economic Research Service, (June).
- Cerrato, M.E., and A.M. Blackmer. 1990. "Comparison of Models for Describing Corn Yield Response to Nitrogen Fertilizer," *Agronomy Journal*, Vol. 82, pp. 138-143.
- Claassen, R., L. Hansen, M. Peters, V. Breneman, M. Weinberg, A. Cattaneo, P. Feather, D. Gadsby, D. Hellerstein, J. Hopkins, P. Johnson, M. Morehart, and M. Smith. 2001. *Agri-Environmental Policy at the Crossroads: Guideposts on a Changing Landscape*. Agricultural Economic Report No. 794. U.S. Department of Agriculture, Economic Research Service, (January).
- Claassen R., P. Johnston, and M. Peters. 2000. "Compliance Provisions for Soil and Wetland Conservation." *AREI*, Chapter 5.3. U.S. Department of Agriculture, Economic Research Service, (October).
- Cooper, J., M. Peters, and R. Claassen. 2005. "Effects of Agri-Environmental Payment Policies on Agricultural Trade," *Global Agricultural Policy Reform and Trade—Environmental Gains and Losses*. J. Cooper (Ed.). Edward Elgar, London, UK.
- Cooper, J., R. Johansson, and M. Peters. 2005. "Some Domestic Environmental Effects of U.S. Agricultural Adjustments under Liberalized Trade: A Preliminary Analysis," *Global Agricultural Policy Reform and Trade—Environmental Gains and Losses*. J. Cooper (Ed.), Edward Elgar, London, UK.
- Dervis, K., J. de Melo, and S. Robinson. 1982. *General Equilibrium Models for Development Policy*. Cambridge and New York: Cambridge University Press.
- Disney, T., and M. Peters. 2003. "Simulation Modeling to Derive the Value-of-Information for Risky Animal Disease-Import Decisions," *Preventative Veterinary Medicine*, Vol. 61, pp. 171-184.
- Doering, O., R. Heimlich, R.F. Kazmierczak, Jr., M.A. Peters, M. Ribaud, and R.R. Solow. 1998. "Measuring the Economic Consequences of Hypoxia and Its Mitigation: Gulf Fisheries and Nutrient Reduction Strategies," *The Effects of Hypoxia on Living Resources, with Emphasis on the Northern Gulf of Mexico*, Nancy N. Rabalais and R. Eugene Turner (Ed.). Publisher: American Geophysical Union, (November).

- Duloy, J.H., and R.D. Norton. 1975. "Prices and Incomes in Linear Programming Models," *American Journal of Agricultural Economics*, Vol. 57, (November), pp. 591-600.
- Duloy, J.H., and R.D. Norton. 1973. "CHAC: A Programming Model of Mexican Agriculture," *Multi-Level Planning: Case Studies in Mexico*, L.M. Goreux and A.S. Manne, (Eds.), North-Holland Publishing Company, Amsterdam, pp. 373-399.
- Faeth, P., and S. Greenhalgh. 2002. "Policy Synergies Between Nutrient Over-Enrichment and Climate Change," *Estuaries*, Vol. 25, No. 4b, pp. 869-877.
- Faeth, P., and S. Greenhalgh. 2000. *A Climate and Environmental Strategy for U.S. Agriculture*, World Resources Institute, Washington, DC.
- Faeth, P. 1995. *Growing Green: Enhancing the Economic and Environmental Performance of U.S. Agriculture*. World Resources Institute, Washington, DC.
- Fuller, E., B. Lazarus, L. Carrigan, and G. Green. 1992. *Minnesota Farm Machinery Economic Cost Estimates for 1992*. Report No. AG-FO-2308C. Minnesota Extension Service, University of Minnesota, St. Paul, Minnesota.
- GAMS Development Corporation. 2006. *The GAMS System*. Online documentation available at <http://www.gams.com/docs/intro.htm>, (last accessed August 12).
- Greenhalgh, S., and P. Faeth. 2001. "A Potential Integrated Water Quality Strategy for the Mississippi River Basin and the Gulf of Mexico," *The Scientific World*, Vol. 1, No. S2, pp. 976-983.
- Greenhalgh, S., and A. Sauer. 2003. *Awakening the Dead Zone: An Investment for Agriculture, Wwater Quality, and Climate Change*. World Resources Institute, Washington, DC.
- Heimlich, R.E., and K.D. Wiebe, R. Claassen, and R.M. House. 1997. "Recent Evolution of Environmental Policy: Lessons from Wetlands," *Journal of Soil and Water Conservation*, Vol. 52, No. 3, pp. 157-161.
- Horner, G., S.A. Hatchett, R.M. House, and R.E. Howitt, 1990. "Impacts of San Joaquin Valley Drainage-Related Policies on State and National Agricultural Production," *National Impact of Drainage-Related Policies*, University of California San Joaquin Valley Drainage Program, University of California-Davis.
- House, R., M. Peters, H. Baumes, and W.T. Disney. 1993. *Ethanol and Agriculture: Effect of Increased Production on Crop and Livestock Sectors*, Agricultural Economic Report No. 667, U.S. Department of Agriculture, Economic Research Service, (February).
- House, R.M., H. McDowell, M. Peters, and R. Heimlich. 1999. "Agriculture Sector Resource and Environmental Policy Analysis: An Economic and Biophysical Approach," *Environmental Statistics: Analyzing Data for Environmental Policy*. V. Barnett (Ed.), New York: John Wiley and Sons, pp. 243-261.
- Howitt, R.E. 1995. "Positive Mathematical Programming," *American Journal of Agricultural Economics*, Vol. 77, No. 2, pp. 329-342.
- Johansson, R.C., J. Cooper, and U. Vasavada. 2005. "Greener Acres or Greener Waters? U.S. Adjustments to Agricultural Trade Liberalization," *Agricultural and Resource Economics Review*, Vol. 34, No. 1, pp. 42-53.
- Johansson, R.C. and J.D. Kaplan. 2004. "A Carrot and Stick Approach to Environmental Improvement: Marrying Agri-Environmental Payments and Water Quality Regulations," *Agriculture and Resource Economics Review*, Vol. 31, No. 1, pp. 91-104.

- Kaplan, Jonathan D., Robert C. Johansson, and Mark A. Peters. 2004. "The Manure Hits the Land: Economic and Environmental Implications When Land Application of Nutrients is Constrained," *American Journal of Agricultural Economics*, Vol. 86, No. 3, pp. 688-700.
- Kellogg, R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon. 2000. *Manure Nutrients Relative to the Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States*, U.S. Department of Agriculture's Natural Resource Conservation Service and Economic Research Service.
- Kellogg, R.L., M. Stewart-Maizel, and D.W. Goss. 1992. *Agricultural Chemical Use and Ground Water Quality: Are There Potential Problem Areas?* U.S. Department of Agriculture's Soil Conservation Service, Economic Research Service, Cooperative State Research Service, and National Center for Resource Innovations, (December).
- Lee, D.J. and R.E. Howitt. 1996. "Modeling Regional Agricultural Production and Salinity Control Alternatives for Water Quality Policy Analysis," *American Journal of Agricultural Economics*, Vol. 78, pp. 41-53.
- Lewandrowski, J., M. Peters, C. Jones, R. House, M. Sperow, M. Eve, and K. Paustian. 2004. *The Economics of Sequestering Carbon in the U.S. Agricultural Sector*. Technical Bulletin No. 1909. U.S. Department of Agriculture, Economic Research Service, (April).
- Livingston, M., R. Johansson, V. Breneman, S. Daberkow, and M. Ash. 2004. "Economic Impacts of Asian Soybean Rust Epidemics in the United States," *Outlook*, Report No. OCS-04D-02, Economic Research Service, U.S. Department of Agriculture, (April).
- Magleby, R., C. Sandretto, W. Crosswhite, and C.T. Osborn. 1995. *Soil Erosion and Conservation in the United States*, Agriculture Information Bulletin 718, U.S. Department of Agriculture, Economic Research Service, (October).
- Marshall, L., and S. Greenhalgh. 2006. "Beyond the RFS: The Environmental and Economic Impacts of Increased Grain Ethanol Production in the U.S.," World Resources Institute Policy Note, available at <http://biofuels.wri.org/>, (last accessed August 10).
- McCarl, B.A., and T.H. Spreen. 1980. "Price Endogenous Mathematical Programming as a Tool for Sector Analysis," *American Journal of Agricultural Economics*, (February), pp. 87-102.
- Paris, Quirino, and Richard E. Howitt. (1998) "An Analysis of Ill-Posed Production Problems Using Maximum Entropy," *American Journal of Agricultural Economics*, Vol. 80, No. 1, (February), pp. 124-139.
- Peters, M., J. Lewandrowski, R. House, and H. McDowell. 2001. "Economic Impacts of Carbon Charges on U.S. Agriculture," *Climatic Change*, Vol. 50, No. 4, pp. 445-473.
- Peters, M., H. McDowell, and R. House. 1997. "Environmental and Economic Effects of Taxing Nitrogen Fertilizer," Selected Paper presented at the American Agricultural Economics Association annual meetings, Toronto, Canada, (July).
- Preckel, P, D. Harrington, and R. Dubman. 2002. "Primal/Dual Positive Math Programming: Illustrated Through an Evaluation of the Impacts of Market Resistance to Genetically Modified Grains," *American Journal of Agricultural Economics*, Vol. 84, No. 3, pp. 679-689.
- Price, M. 2004. "Effects of U.S. Dairy Policies on Markets for Milk and Dairy Products: Appendix B—Food and Agricultural Policy Simulator: Model Overview," Technical Bulletin No. 1910, U.S. Department of Agriculture, Economic Research Service, (May).

- Ribaudo, M., R. Heimlich, R. Claassen, and M. Peters. 2001. "Source Reductions vs. Interception Strategies for Controlling Nitrogen Loss from Cropland: The Case of Gulf Hypoxia," *Ecological Economics*, Vol. 37, pp. 183-197.
- Ribaudo, M., R. Heimlich, and M. Peters. 2005. "Nitrogen Sources and Gulf Hypoxia: Potential for Environmental Credit Trading," *Ecological Economics*, Vol. 52, No. 2, pp. 159-168.
- Ribaudo, M., N. Gollehon, M. Aillery, J. Kaplan, R. Johansson, J. Agapoff, L. Christensen, V. Breneman, and M. Peters. 2003. *Manure Management for Water Quality: Costs to Animal Feeding Operations of Applying Manure Nutrients to Land*. Agricultural Economic Report No. 824. U.S. Department of Agriculture, Economic Research Service, (June).
- Samuelson, P.A. 1952. "Spatial Equilibrium and Linear Programming," *American Economic Review*, Vol. 42, No. 3, pp. 282-303.
- Smith, R.A., G.E. Schwarz, and R.B. Alexander. 1997. "Regional Interpretation of Water-Quality Monitoring Data," *Water Resources Research*, Vol. 33, pp. 2,781-2,798.
- Stanford Business Software, Inc. 2006. *MINOS 5.5*. Online documentation available at http://www.sbsi-sol-optimize.com/asp/sol_product_minos.htm.
- Takayama, T., and G.G. Judge. 1971. *Spatial and Temporal Price and Allocation Models*. Amerstan, Netherlands: North-Holland Publishing Co.
- U.S. Department of Agriculture, Economic Research Service. 2006. *Commodity Costs and Returns*. Data available online at <http://www.ers.usda.gov/Data/costsandreturns/>, (last accessed August 9).
- U.S. Department of Agriculture, Economic Research Service. 1992. *Cropping Practices Survey Data*.
- U.S. Department of Agriculture, National Agricultural Statistics Service and Economic Research Service. 1992-96. *Agricultural Resource Management Survey*.
- U.S. Department of Agriculture, World Agricultural Outlook Board. 2006. *Agricultural Baseline Projections to 2015*. Baseline Report No. OCE-2006-1, (February).
- U.S. Department of Agriculture, Agricultural Research Service. 1990. EPIC—Erosion Productivity-Impact Calculator, 1. Model Documentation, Technical Bulletin No. 1768, (September).
- U.S. Department of Agriculture, National Agricultural Statistics Service. 1993. *Agricultural Prices 1992 Summary*, (July).
- Williams, J.R., and D.E. Kissel. 1991. "Water Percolation: An Indicator of Nitrogen-Leaching Potential," *Managing Nitrogen for Groundwater Quality and Farm Profitability*. R.F. Follet, D.R. Keeney, and R.M. Cruse (Eds.). Soil Science Society of America, Inc. Madison, WI, pp. 59-83.
- Williams, J.R., P.T. Dyke, W.W. Fuchs, V.W. Benson, O.W. Rice, and E.D. Taylor. 1990. *EPIC—Erosion/Productivity Impact Calculator, Vols. 1 and 2*. Technical Bulletin No. 1768. A.N. Sharpley and J.R. Williams (Eds.) U.S. Department of Agriculture, Agricultural Research Service, Temple, TX.
- Wischmeier, W.H., and D.D. Smith. 1978. *Predicting Rainfall Erosion Losses—A Guide to Conservation Planning*. Agriculture Handbook No. 537. U.S. Department of Agriculture, Agricultural Research Service.