

References

- Agne, Stefan. "Economic Analysis of Crop Protection Policy in Costa Rica." In *Pesticide Policy Project Publication Series, No. 4*. Hannover, Germany: Institute of Horticulture Economics, September 1996.
- Agne, Stefan, G. Fleisher, F. Jungbluth, and H. Waibel. "Guidelines for Pesticides Policy Studies: A Framework for Analyzing Economic and Political Factors of Pesticides Use in Developing Countries." In *Pesticide Policy Project Publication Series, No 1*. Hannover, Germany: Institute of Horticulture Economics, February 1995.
- Agriculture Sector Assessment Team of the Office of International Cooperation and Development. *The Small Farmer in Jamaican Agriculture: An Assessment of the Constraints and Opportunities*. Kingston, Jamaica: Report prepared for USAID/Jamaica and the Ministry of Agriculture, Jamaica, November 1978.
- Alston, J.M., G.W. Norton, and P.G. Pardey. Science under Scarcity: Principles and Practices for Research Priority Setting. Ithaca, NY: Cornell University Press, 1994.
- Antle, John and Seong Park. "Economic Benefits and Costs of an Integrated Pest Management Program for Processing Tomato Production." *Tomato*. 29(1986): pp. 4-5.
- Baum, Kenneth and Ronald Tillman. "The Economics Behind Integrated Pest Management." *Virginia Agricultural Economics*. No. 297 (December 1978). Blacksburg, VA: Department of Agricultural and Applied Economics, Virginia Polytechnic Institute and State University, pp. 1-2.

- Boehlje, Michael and Vermon Eidman. *Farm Management*. New York: John Wiley and Sons, 1984, p. 173.
- Brown, Louise. Bank of Jamaica, Kingston, Jamaica. Interview, 8 July 1998.
- Carlson, Gerald. "IPM Economic Evaluation Guidelines." *Tar Heel Economist*. September 1981, p. 4.
- _____. "IPM Experience in North Carolina Crops." *Tar Heel Economist*. September 1981, pp. 2-3.
- Casey, James, Ronald Lacewell, and Winfield Sterling. "An Example of Economically Feasible Opportunities for Reducing Pesticide Use in Commercial Agriculture." *Journal of Environmental Quality*. 4 (1975): 60-64.
- Cashman, Christopher, Marshall Martin, and Bruce McCarl. "Indiana Farm-Level Impacts of Possible Environmental Protection Agency Bans on Selected Soybean Insecticides." *Southern Journal of Agricultural Economics*, 12(December 1980): 147-152.
- Chandler, Lennox. "Barbados." In *Setting up an Integrated Pest Management Network for the Caribbean: Seminar Proceedings*, Barbados: Caribbean Agricultural Research and Development Institute (CARDI), 16-19 October, 1994. pp.17-27.
- Chung, Phillip. "Integrated Pest Management in Jamaica." Paper for The Second Meeting of the IPM Network. Kingston, Jamaica: Rural Agricultural Development Authority (RADA), 4-6 February, 1998.
- _____. "Jamaica." In *Setting up an Integrated Pest Management Network for the Caribbean: Seminar Proceedings*. Barbados: Caribbean Agricultural Research and Development Institute, 16-19 October, 1994. pp. 55-61.
- Clark-Harris, Dionne. CARDI, Kingston, Jamaica. Interview, 30 June 1998.

- Clark-Harris, Dionne, Janice Reid, and S. Fleischer. "IPM Systems Development: Callaloo, *Amaranthus* sp." In *IPM CRSP: Fourth Annual Report 1996-1997*. Blacksburg: Virginia Polytechnic Institute and State University, 1997. pp. 167-182.
- De Los Santos, Jesus. "The Impacts of Trade and Agricultural Policies in the Dominican Republic: A Sectoral Programming Approach." Ph.D. dissertation. Department of Agricultural and Applied Economics, Virginia Polytechnic Institute and State University, Blacksburg, 1990.
- De Los Santos, Jesus, Darrell J. Bosch and David Orden. "Impacto de las Politicas Comerciales sobre el Sector Agricola en la Republica Dominicana." (The Impact of Alternative Trade Policies on the Agricultural Sector in the Dominican Republic). *Investigaion Agraria: Economia* 7:2 (December 1992): pp. 311-323.
- Economics and Statistics Unit. *Estimated Costs and Returns per Hectare, Sugar Cane Establishment, 1997/98*. Mandeville, Jamaica: Sugar Industry Research Institute, 1998.
- Economist Intelligence Unit (EIU), *Country Report: Jamaica, Belize, Bahamas, Bermuda, Barbados*. London, United Kingdom: World Bank, 1990-1995.
- Farm Management Section, Economic Planning Division. *Cost of Production Estimate for a One Hectare Farm: Pumpkin*. Kingston, Jamaica: Ministry of Agriculture, 1997.
- _____. *Cost of Production Estimate for a One Hectare Farm: Cassava*. Kingston, Jamaica: Ministry of Agriculture, 1996a.
- _____. *Cost of Production Estimate for a One Hectare Farm: Ordinary Corn*. Kingston, Jamaica: Ministry of Agriculture, 1996b.

- Findlay, Ronald, and Stanilaw Wellisz, ed. Five Small Open Economies. In *The Political Economy of Poverty, Equity, and Growth: A World Bank Comparative Study Series*, Lal, Deepak, and Hla Myint editors. New York, New York: Oxford University Press, Inc., 1993, pp. 140-256.
- Fohner, G.R., G.B. White, and S.J. Schwager. *The Value of Economic Thresholds for Managing Agricultural Pests*. Ithaca, New York: Cornell University Agricultural Experiment Station, December 1982.
- Gebrekidan, Brhane, *Memorandum May 6, 1997: IPM CRSP 5 Year Logframe*. Office of International Research and Development, Virginia Polytechnic and State University, Blacksburg, Virginia: Integrated Pest Management – Collaborative Research Support Program Management Entity, 1997, p. 2.
- Gholson, Larry. "Economic Evaluation of Integrated Pest Management: Evaluating IPM." *Tar Heel Economist*. September 1981, p. 1.
- Hewan, Clinton. *Jamaica and the United States Caribbean Basin Initiative: Showpiece or Failure?* New York, New York: Peter Lang, 1994.
- Hosten-Craig, Jennifer. *The Effect of a North American Free Trade Agreement on the Commonwealth Caribbean*. Lewiston, New York: Edwin Mellen Press, 1992.
- Hoyte, Clyde. *History of the Jamaican Agricultural Society*. Kingston, Jamaica: City Printery, 1961.
- Integrated Pest Management - Collaborative Research Support Program, *Annual Report 1996*. Office of International Research and Development (OIRD), Virginia Polytechnic Institute and State University, Blacksburg, Virginia: 1997, pp. 141-218.

- Jamaican Information Services, *National Industrial Policy: Strategic Plan for Growth and Development*. Kingston, Jamaica: Jamaican Information Services, 1996, pp.113-115.
- Jannot, P.H. and D. Cairol. "Linear Programming as an Aid to Decision-Making for Investments in Farm Equipment for Arable Farms." *Journal of Agricultural Engineering Resources*. 59 (1994): pp. 173-179.
- Kost, Robert. Economic Research Service, Washington, DC. Interview, 5 June, 1998.
- Krueger, Anne O., Maurice Schiff and Alberto Valdes. *Agricultural Incentives in Developing Countries: Measuring the Effects of Sectoral and Economy-Wide Policies*. In *The World Bank Economic Review*, 1988, pp. 255-271.
- Krugman, Paul and Maurice Obstfeld. *International Economics: Trade and Policy*. New York: Harper Collins College Publishers, 1994.
- Lawrence, Douglas. United State Agency for International Development, Animal and Plant Health Inspectio Service. Kingston, Jamaica. Interview, 29 June, 1998a.
- Lawrence, Janet. Carribean Agricultural Research and Development Institute, Kingston, Jamaica. Interview, 17 May 1998b.
- Lawrence, Janet, J. Bohac, and S. Fleischer. "Sweetpotato Weevil Integrated Pest Management." In *Progress in IPM CRSP Research: Proceedings of the Second IPM CRSP Symposium*. Guatemala City, Guatemala: Integrated Pest Management – Collaborative Research Support Program Management Entity, 16-10 May, 1997, pp. 37-45.
- Lawrence, Janet, J. Bohac, and Sherman Weeks. "IPM Systems Development: Sweetpotato, *Ipomoea batatas*." In *IPM-CRSP Fourth Annual Report 1996-1997*. Office of International Research and Development, Virginia Polytechnic

- Institute and State University, Blacksburg, Virginia: Integrated Pest Management – Collaborative Research Support Program, 1997, pp.193-208.
- Lee, John E., Jr. "A Perspective on the Evolution and Status of Micromodeling in Agricultural Economics." In *Modeling Farm Decisions For Policy Analysis*, Kenneth H. Baum and Lyle P. Schertz, editors. Boulder, Colorado: Westview Press, 1983, pp.1-9.
- Martin, Marshall, Marvin Schreiber, Jean Rosscup Riepe, and J. Robert Bahr. "The Economics of Alternative Tillage Systems, Crop Rotations, and Herbicide Use on Three Representative East-Central Corn Belt Farms." *Weed Science*. 39 (1991): pp. 299-307.
- Martin, Raymond. CARDI, Kingston, Jamaica. Interview, 17 May, 1998.
- Masud, Sharif, Ronald D. Lacewell, C. Robert Taylor, John H. Benefict, and Lawrence A. Lippke. "Economic Impact of Integrated Pest Management Strategies for Cotton Production in the Coastal Bend Region of Texas." *Southern Journal of Agricultural Economics*, 15(December 1981): 47-52.
- McDonald, Donald and Carroll Glynn. "Difficulties in Measuring Adoption of Apple IPM: A Case Study." *Agriculture, Ecosystems and Environment*. 48 (1994): 219-230.
- McDonald, Daniel, Carroll Glynn, Micheal Hoffman and Curtis Petzoldt. "Effects of Grower Participation on Onion IPM Demonstration." *Agriculture, Ecosystems and Environment*. 66 (1997): pp. 131-138.
- Ministry of Agriculture. Draft for the *World Trade Organization Trade Policy Review*, Kingston, Jamaica: Ministry of Agriculture, 1988.
- _____. *Annual Report*. Kingston, Jamaica: Ministry of Agriculture, 1991-1998.

Musser, Wesley, S.Y. Reece, P.E. Varaca, D.M. Edwards, and G.K. Douce. "Beliefs of Farmers and Adoption of Integrated Pest Management." *Agricultural Economics Research Service*. 38 (Winter 1986): 34-44.

Nagy, Joseph G. *Jamaica Agricultural Support Services Project Preparation Report, Annex 9: A Manual for the Operation of a Competitive Grants Scheme to Support Priority Agricultural Research and Baseline Information for Setting Agricultural Research Priorities for Jamaica*. Washington D.C.: World Bank, 1996.

Norton, George, Jeffrey Mullen, and Edwin Rajotte. "A Primer on Economic Assessment of Integrated Pest Management." In *Proceedings of the Third National IPM Symposium/Workshop: Broadening Support for 21st Century IPM*. Washington D.C.: United States Department of Agriculture, Economic Research Service. 27 February – 1 March, 1996, pp. 76-92.

Nowak, Pete, Steve Padgett and Thomas Hoban. "Practical Considerations in Assessing Barriers to IPM Adoption." In *Proceeding of the Third National IPM Symposium/Workshop: Broadening Support for 21st Century IPM*. Washington D.C.: United States Department of Agriculture, Economic Research Service. 27 February – 1 March, 1996, pp. 114.

Orden, David and Carlisle Pemberton. *Agricultural Price and Trade Policies in Trinidad and Tobago: An Overview and Summary*. Prepared for the Ministry of Agriculture, Land and Marine Resources, Republic of Trinidad and Tobago and the Inter-American Development Bank. Blacksburg: Department of Agriculture and Applied Economics, December 1993.

Pannell, David J. Introduction to Practical Linear Programming. New York, New York: John Wiley and Sons, Inc., 1997.

- Patterson, Karen. "The Political Ecology of non-Traditional Agriculture Exports and an IPM Project in Jamaica". Masters thesis. Department of Geography, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, 1996.
- Pike, Sandor. Ministry of Agriculture, Kingston, Jamaica. Interview, 5 March, 1998a.
- Pike, Sandor. Ministry of Agriculture, Kingston, Jamaica. Interview, 1 July, 1998b.
- Planning Institute of Jamaica. *Economic Update and Outlook*. 2 (January – March 1998): p. 2.
- Reichelderfer, Katherine. "IPM: The Route to Efficient Pest Control" *Agricultural Outlook*. 92 (October, 1983): p. 23.
- Reid, Charles. Jamaican Exporters Association, Jamaica. Interview 30 June, 1998a.
- Reid, Janice. "IPM as a Strategy for Sustainable Agricultural Development in the Caribbean." Unpublished paper for the Second Meeting of the IPM Network. Kingston, Jamaica, 4-6 February, 1998b.
- Reid, Robert. "Current Trends in Export Crops and Agribusiness". Unpublished paper for the Integrated Pest Management – Collaborative Research Support Program Workshop, Kingston, Jamaica. 20 June, 1994.
- Revenue Board/Land Valuation Department. *Land Valuation and Property Tax: Issues and Answers*. Taxpayer Assistance and Information, Revenue Services, Series 12. Kingston, Jamaica: Land Valuation Department, 1994.
- Scillhorn van Veen et. al., *Integrated Pest Management: Strategies and Policies for Effective Implementation*, Draft Paper. Washington D.C.: World Bank, September 1996.
- Stone, Carl and Stanislaw Wellisz. "Jamaica." In *The Political Economy of Poverty, Equity and Growth: Five Small Open Economies*, R. Findlay and S. Wellisz,

- editors. Washington, D.C.: International Bank for Reconstruction and Development, 1993, pp. 140-218.
- Straughen, Marie. Ministry of Agriculture, Kingston, Jamaica. Interview, 27 March, 1998.
- Thomas, Carol. Ministry of Agriculture, Plant Quarantine/Produce Inspection Unit. Kingston, Jamaica. Interview, 1 July, 1998.
- Tietenberg, Tom. *Environmental and Natural Resource Economics*. New York, New York: Harper Collins Publishers, 1992.
- Tjornhom, Jessica D. "Assessment of Policies and Socio-Economic Factors Affecting Pesticide use in the Philippines." Masters thesis. Department of Agriculture and Applied Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, 1995.
- Tjornhom, Jessica, George Norton, and Victor Gapud. "Impacts of Price and Exchange Rate Policies on Pesticide Use in the Philippines." *Agricultural Economics*. 18 (1998): 167-175.
- United Nations, Food and Agriculture Organization. *Assessment of the Effects of Structural Adjustment on the Agricultural Sector: Jamaica*. Draft Technical Report. Rome, 1995
- Virginia Cooperative Extension. *Virginia Farm Management: Crop and Livestock Enterprise Budgets 1997*. Department of Agriculture and Applied Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia: Virginia Cooperative Extension Services, 1997, pp. 42, 44.
- Williams, Cybil. Agricultural Credit Bank of Jamaica, Kingston, Jamaica. Interview, July, 1998.

World Bank. *Jamaica: Economic Issues for Environmental Management*.

Washington, D.C.: World Bank, 1993.

_____. *World Development Report: 1997*. Washington D.C.: World Bank, 1997.

Zalom, Frank. "Reorganizing to Facilitate the Development and Use of Integrated Pest Management." *Agriculture, Ecosystems and Environment*. 46 (1993): 245-256.