

RURAL ECONOMY

1998 ANNUAL REPORT



Department of Rural Economy
Faculty of Agriculture, Forestry,
and Home Economics
University of Alberta
Edmonton, Alberta, Canada

DEPARTMENT OF RURAL ECONOMY

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University of Alberta
Edmonton, Alberta
T6G 2H1
Phone: (780) 492-4225
Fax: (780) 492-0268

May 1999

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Foreword to 1998 Annual Report of Rural Economy

Rural Economy in 1998: Taking Stock

1998 was a year for members of Rural Economy to take stock and consolidate the educational and research programs of this Department. Several faculty members retired in the preceding four years. As was reported in the recent annual reports of the Department, five new faculty members have been appointed under the University of Alberta faculty renewal program and through other means in the last four years. Even so, academic and support positions were lost to budget cuts over the previous six years, as is true for the University of Alberta as a whole, for the public sector in general and for many private firms.

As a department we have responded by reorganizing our activities and by contributing to reorganizations of programs in our home Faculty of Agriculture, Forestry and Home Economics (AFHE) and in the University of Alberta. We have also sought opportunities to build teaching and research resources through other means. We have achieved the target enrolments that are our goals for the ACCESS program that was successfully achieved three years ago. This has contributed financial resources to Rural Economy and to our partners in this ACCESS program, the Department of Renewable Resources and the Faculty of Business. The undergraduate program in Forest Business Management established through the ACCESS program entered the third full year of operations. The new Masters degrees in Business with Agriculture and Forestry, currently provided as the dual degree programs of the MBA-MAg and the MBA-MF, also have enrolment levels above target; nine MBA-MAg students are currently registered in Business and Rural Economy and we are contributing to the courses available to students in the MBA-MF initiative.

Our success with the ACCESS program has led to the first new AFHE position related to this initiative--this will be filled in 1999 through the joint appointment of an Environment, Resource, or Forest Sociologist. This new position will also augment the Department's capacity to offer graduate courses that support Rural Economy's Rural Sociology graduate program and will strengthen the social science input to the Faculty's BSc Environmental and Conservation Sciences Program. Courses offered by Rural Economy also continue to support the Faculty's BSc Agriculture Program.

Rural Economy is also the beneficiary of a new position in Resource Economics which has resulted from the appointment of Dr. Wiktor Adamowicz as the national Program Leader of the Sustainable Forest Management Network of Centres of Excellence. We congratulate Vic for his willingness to undertake this prestigious and taxing role of research leadership. To meet the demands of the Network, Vic's role in teaching will necessarily be greatly reduced during the next five years. The new Resource Economics position will accommodate this and contribute to teaching and research in a focal area of the Department's activities. We have other good news to celebrate in terms of the achievements in 1998 of the members of the Department. You will see evidence of this in the listings of student and staff publications, presentations and related achievements. Among these achievements, the award to Dr. Vic Adamowicz of a Killam Annual Professorship is particularly noteworthy.

We continued in 1998 to seek opportunities that would allow some Canadian graduate students to undertake thesis research abroad. Two Canadian graduate students pursued thesis research projects on the international marketing of agricultural products. This research focuses on market prospects for Alberta pork in Northern California (Theresa Le) and the demand for wheat in the flour milling and the noodle making industries of Japan and Korea (Renee Kim). Their work was supported by research grants of faculty members, supplemented by prestigious scholarships. In recent years numbers of Canadian graduate students have had the opportunity to work in an international context through thesis research projects

directed at resource management, resource valuation and agroforestry. Some of these opportunities have come about through the involvement of Rural Economy in a variety of international programs. Two of these programs concluded, successfully, in 1998. We are seeking ways to continue the opportunity for Canadian graduate student research abroad. The involvement of our international graduate students in relevant research projects also continues to be a priority for members of the Department.

Educational research opportunities in Rural Economy continued to be enhanced by the generosity of donors in 1998. The McBain Scholarship was awarded to a graduate student from Nova Scotia, Heather-Anne Grant. She will study economic implications of changes in dairy policy. The Proskie Memorial Scholarship was awarded to Christopher Neitsch, who will research some economic implications of biotechnology on Canadian agriculture. The M. Hawkins Research Award contributed to research by Christine Mhina on problems of cattle management facing African villagers. The endowment programs to support Rural Economy's Eric Berg Reading Room and Graduate Student Assistantships in Rural Economy are growing in value and are important means of building the capacity for excellence in teaching and research. This is also the case for the Cooperative Chair Program in Agricultural Marketing and Business. Earnings for this fully-endowed position are now sufficient to support a student fellowship that will be advertised and become available in 1999. With the aid of resources from research funds and related activities, the computing and network facilities of the Department have been appreciably upgraded during the year. With similar sources of funds and the generosity of donors, the collection of research publications of the Eric Berg Memorial Reading Room has been extended.

The various achievements of faculty members and students that were evident in 1998 depended also on the work of the small group of highly dedicated hardworking support staff. These include Judy Boucher, Liz Bruce and Dawn Zrobok. Marilou Stegmeier joined this group in 1998. Longstanding department secretary Wendy Williamson has left Rural Economy and has moved on to other activities; the Department is most appreciative of her 20 years of service. Dr. Mel Lerohl's contributions as Acting Chair of the Department through August 1998 are also greatly appreciated. Other changes in 1998 included the secondment, for a two-year period through March 2000, of Jim Copeland to the Administrative Support Unit of this University. Dr. Frank Novak was on leave from July 1998 and Rural Economy was joined for 1998/99 by Dr. Shahidul Islam. Rural Economy was also the academic home in 1998 for three visiting professors who each held China Research Scholar awards during their sabbatical leaves from their home universities. A fourth visiting scholar was in Rural Economy while on sabbatical leave from the University of Arizona.

Overall, 1998 was a year of consolidation and stocktaking in light of the various changes that have occurred in staffing and resources during the preceding six years. We expect 1999 to be a year of growth and change. We continue to work toward our mission of contributing to excellence in teaching and research in selected areas of social science. By these means we are contributing to the Strategic Plan of the Faculty of Agriculture, Forestry and Home Economics and to the welfare of rural people, through our concentration on building relevant programs in education and research relating to rural people, agriculture, food, forests and the environment.

Michele Veeman
Chair
May 1999

Department Staff

Academic Staff

Wiktor L. Adamowicz, PhD (Minnesota); Professor; Environmental Economics, Econometrics, Forest Economics.

Harvey G. Brooks, PhD (Iowa State); Associate Professor; Co-operative Chair in Agriculture, Marketing and Business. (from September 1996).

Kevin Z. Chen, PhD (Guelph); Assistant Professor; Agricultural Marketing, Policy.

James H. Copeland, MSc (Alberta); Faculty Service Officer; Computing and Statistical Analysis (on secondment until March 31, 1999).

Grant K. Hauer, PhD (Minnesota); Assistant Professor; Resources & Environmental Economics, Trade.

M. Shahidul Islam, PhD (Oregon); Visiting Assistant Professor; Agricultural Production Economics/Management.

Scott R. Jeffrey, PhD (Minnesota); Associate Professor; Agricultural Business Management, Production Economics. Graduate Coordinator.

Naomi T. Krogman, PhD (Colorado State); Assistant Professor; Sociology of Natural Resources, International Development, Gender

Mel L. Lerohl, PhD (Michigan State); Professor and Acting Chair; Agricultural Policy and Trade.

Martin K. Luckert, PhD (British Columbia); Associate Professor; Forest Economics, Natural Resource Economics. Graduate Coordinator.

Frank S. Novak, PhD (Illinois); Associate Professor; Finance, Production Economics.

Jim R. Unterschultz, PhD (Alberta); Assistant Professor; Marketing, Finance.

Michele M. Veeman, PhD (California at Berkeley); Professor and Chair; Marketing, Policy, Trade.

Terry S. Veeman, PhD (California at Berkeley); Professor; International Development, Resource Economics. Joint appointment with Economics.

Associated Academic Staff

Janaki R.R. Alavalapati, PhD (Alberta); Post Doctoral Fellow; Forest and Resource Economics.

Leonard P. Apedaile, PhD (Iowa State); Professor Emeritus; Agricultural Policy, Rural Development.

Len Bauer, PhD (Oregon State); Professor Emeritus; Agricultural Management, Production Economics.

Tom M. Beckley, PhD (Wisconsin); Adjunct Professor; Forest Sociology.

Dhara S. Gill, PhD (Cornell); Professor Emeritus; Rural Sociology, Agricultural Extension.

Murray H. Hawkins, PhD (Ohio State); Professor Emeritus; Marketing, Business Management.

G. Wayne Lamb, PhD (Texas A & M); Adjunct Professor (Faculty of Extension); Extension Education.

Benoit Laplante, PhD (Queens); Adjunct Professor (World Bank); Environmental Economics.

Harold C. Love, PhD (Iowa State); Professor Emeritus; Production Economics.

Glen A. Mumey, PhD (Washington); Adjunct Professor (Faculty of Business); Finance, Management.

Eloise C. Murray, PhD (Pennsylvania State); Professor Emeritus; Gender Issues, Extension, International Development.

Brian T. Oleson, PhD (Minnesota); Adjunct Professor (Canadian Wheat Board); Marketing, Trade.

T. Alf Petersen, PhD (Washington State); Professor Emeritus; Farm Management, Extension.

W.E. Phillips, PhD (California at Berkeley); Professor Emeritus; Forest Economics, Resource Economics.

Joseph J. Richter, Dr. Rer. Pol. (Graz, Austria); Professor Emeritus; Marketing, Trade.

Wolfgang M. Schultz, PhD (Oklahoma State); Professor Emeritus; Production and Natural Resource Economics.

Frank J. Tough, PhD (York); Adjunct Professor; Aboriginal Natural Resource Management.

Ed W. Tyrchniewicz, PhD (Purdue); Professor Emeritus; Policy, Transportation, International Development.

William A. White, PhD (Simon Fraser); Adjunct Professor (Canadian Forest Service); Forest Economics.

Support Staff

Judy Boucher, Administrative Secretary

Liz Bruce, Student Services Coordinator

Chris Smith, LAN Administrator

Marilou Stegmeier, Department Administrator

Dawn Zrobok, Reading Room Supervisor

Sessional Lecturers & Research Associates

Glen Armstrong, Research Associate

Atakelty Hailu, Post Doctoral Research Fellow

Arlene Kwasniak, Sessional Lecturer

Gordon Lee, Sessional Lecturer

Fiona Salkie, Research Associate

Awards to Graduate Students in 1998

Cyril Chami - African Economic Research Consortium (AERC) Scholarship
Chen Chen - Graduate Studies and Research Scholarship
Donna Dosman - SSHRC Fellowship
- Walter H. Johns Graduate Fellowship
Yufeng Duan - Graduate Studies and Research Scholarship
Mohamed Gheblawi - Libyan Secretariat of Higher Education Scholarship
- Rogers Sugar Ltd. Scholarship
Heather-Anne Grant - BJ McBain Scholarship
Rajendra Gurung - Graduate Studies and Research Scholarship
Larry Hegan - CBIE Scholarship
Wuyang Hu - FS Chia PhD Scholarship
Innocent Karamagi - African Economic Research Consortium (AERC) Scholarship
Renee Boyoung Kim - Canadian Wheat Board Graduate Fellowship
- Japanese Government (Monbusho) Scholarship
Celena Krywko - Graduate Studies and Research Scholarship
Xiaozhan (Jean) Liu - FS Chia PhD Scholarship
Funekile Mdluli - Canadian Commonwealth Scholarship
Christine Mhina - MH Hawkins Graduate Research Scholarship
Neelum Miraj - Canadian Commonwealth Scholarship
David Nanang - FS Chia PhD Scholarship
Sheraz Nasir - Graduate Studies and Research Scholarship
Mike Patriquin - Province of Alberta Graduate Scholarship
Kwamena Quagraine - Canadian Wheat Board Graduate Fellowship
William Rutakumwa - Fund for the Support of International Development Activities (FSIDA)
Satoshi Tamai - Graduate Studies and Research Scholarship

Awards to Staff in 1998

Wiktor Adamowicz - Awarded Killam Annual Professorship.
Grant Hauer - Harold Jensen Award for Excellence for best PhD dissertation in the Department of Applied Economics at the University of Minnesota.
Scott Jeffrey - Faculty recipient of NACTA Teaching Award.

Professional Offices Held by Staff in 1998

Wiktor Adamowicz - Appointed Program Leader, Sustainable Forest Management Network. Appointed to the Alberta Forest Management Science Council; Member of Editorial Board for the Journal of Agricultural and Resource Economics; Member of Editorial Council for the Journal of Environmental Economics and Management; Elected Councillor for the Canadian Agricultural Economics Society.

Harvey Brooks - Adjunct Professor, Department of Agricultural Economics, University of Manitoba and University of Saskatchewan; Appointed to the Canadian Transport Agency List of Arbitrators.

Scott Jeffrey - Member of the Advisory Council, Western Canadian Dairy Seminar; Member of Provincial Coordinating and Advising Group (PCAG) for the Canada-Alberta Farm Business Management Program.

Naomi Krogman - Secretary/Editor of Natural Resources Research Group, Rural Sociological Society.

Mel Lerohl - Member, Policy, Economics and Marketing Research Advisory Committee to Alberta Agricultural Research Institute.

Martin Luckert - Associate Editor, Canadian Journal of Forest Research and Forestry Chronicle.

Jim Unterschultz - Vice-President, Newsletter Editor and Member of the Executive, Alberta Agricultural Economics Association; Member of Program Committee for the Western Food Conference sponsored by Rural Education and Development Association.

Michele Veeman - Member, Advisory Committee on Agricultural Statistics to Statistics Canada; Member, Policy, Economics and Marketing Research Advisory Committee to Alberta Agricultural Research Institute.

Terry Veeman - CAEFMS Liaison, Director, International Association of Agricultural Economists - Canada Chapter; Director, Canadian Water Resources Association - Alberta Branch; Member of Environmental Research and Studies Centre Advisory Policy Board; Member of Board of Examiners, Alberta Institute of Agrologists.

Staff on Leave in 1998

Jim Copeland, April 1, 1998 to March 31, 1999.

Frank Novak, July 1, 1998 to June 30, 1999.

Michele Veeman, September 1, 1997 to August 31, 1998.

Terry Veeman, July 1, 1997 to June 30, 1998.

Graduate Students Completing Programs in 1998, their Thesis Topics and Supervisors

Adilu, Shiferaw. The Implications of Multilateral Trade Liberalization for Canadian Agriculture: A Computable General Equilibrium Evaluation. Ph.D. (M. Veeman/T. Veeman)

Bungi, Nelson. Assessing the Implementation of Economic Instruments of Solid Waste Management in a Logit Approach. M.Sc. (Adamowicz)

Dolphin, Maureen. The Effects of Policy Events on Quota Values: A Time Series Analysis. M.Sc. (Mumey)

Dunlevy, Kevin. Market Opportunities for Alberta Table Potato Producers in British Columbia. M.Sc. (Lerohl)

- Haener, Michel. Regional Forest Resource Accounting: A Northern Alberta Case Study Incorporating Fire and Price Risk. M.Sc. (Adamowicz)
- Hailu, Atakelty. Environmentally Sensitive Analysis of Economic Performance: Productivity and Effecticiency in the Canadian Pulp and Paper Industry, 1959-1994. Ph.D. (M. Veeman/T. Veeman)
- Hansen, Jamie. Tree Planting Under Customary Land and Tree Tenure Systems in Malawi: An Investigation into the Importance of Marriage and Inheritance Patterns. M.Sc. (Luckert)
- Hatton MacDonald, Darla. Three Papers in Natural Resource Valuation: Accounting for Cross Cultural Contexts. Ph.D. (Adamowicz/Luckert)
- Mhina, Christine. Women's Access to and Control of Land in Rural Tanzania. M.Sc. (Gill/Krogman)
- Rahemtulla, Yasmin. Environmental Quality and Tourism Development in the Seychelles: An Application of the Stated Preference Method. M.Sc. (Adamowicz)
- Renner, Miriam. Measuring the Effects of Alternative Agricultural Methods and Fair Trade Practices on the Development of Producer Groups and Their Members in Northern Thailand. M.Sc. (Adamowicz)
- Rodrigues, Philippa. Economic Analysis of Ecologically Based Mixedwood Silviculture at the Stand Level. M.Sc. (Luckert)

Graduate Students Commencing and Continuing Programs Through 1998

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| Peter Boxall, PhD (Adamowicz) | Norman Lyster, MSc (Lerohl) |
| Peter Cahill, MSc (Adamowicz) | Heather Jean MacKenzie, MBA/MAG (unassigned) |
| Sylvie Cauvier-Lepine, MSc (Murray) | Jody MacKenzie, MSc (Krogman) |
| Cyril Chami, PhD (Adamowicz, Veeman, T.) | Funekile Mdluli, PhD (Decore) |
| Darren Chase, MBA/MAG (Unterschultz) | Neelum Miraj, PhD (Veeman, T.) |
| Chen Chen, PhD (Chen/Veeman, M.) | Patience Sibongile Moyo, MSc (Jeffrey/Veeman, M.) |
| Michael den Otter, MSc (Beckley/Luckert) | David Nanang, PhD (Luckert/Hauer) |
| Donna Dosman, PhD (Adamowicz/Murray) | Sheraz Nasir, MSc (Veeman, T) |
| Yufeng Duan, MSc (Chen/Brooks) | Ernest Odupong, PhD (Jeffrey) |
| Saqib Durrani, MBA/MAG (Lerohl) | Mike Patriquin, MSc (Adamowicz) |
| Lorraine Dzuda, MSc (Hauer) | Angela Pearson, MSc (Veeman, T.) |
| Nanako Furuyama, MSc (Krogman) | Michael Pierce, MBA/MAG (unassigned) |
| Paul Gervais, MBA/MAG (unassigned) | Tracey Poitras-Collins, MSc (Gill) |
| Mohamed Gheblawi, PhD (Adamowicz) | Kwamena Quagraine, PhD (Unterschultz/Veeman, M) |
| Heather-Anne Grant, MSc (Veeman, M./Jeffrey) | Natalia Rilska, MBA/MAG (Lerohl) |
| Rajendra Gurung, MSc (Brooks) | Chad Robinson, MBA/MAG (unassigned) |
| Donald Hansen, MBA/MAG (Lerohl) | William Rutakumwa, MSc (Krogman) |
| Larry Hegan, MSc (Luckert) | Julius Salegio, MSc (Krogman) |
| Wuyang Hu, PhD (Jeffrey) | Bradford Shapansky, MSc (Adamowicz) |
| Pam Jagger, MSc (Luckert) | Anatoliy Skripnichenko, MSc (Brooks) |
| Innocent Karamagi, PhD (Jeffrey/Veeman, T.) | Andrew Spratt, MSc (Unterschultz) |
| Renee Kim, PhD (Veeman/ M./Unterschultz) | Satoshi Tamai, MSc (Hauer) |
| Celena Krywko, MSc (Hauer) | Cameron Taylor, MSc (Luckert) |
| Godfrey Kundhlande, PhD (Luckert/Adamowicz) | Richard Vyn, MSc (Jeffrey) |
| Dawn Marie Latam, MBA/MAG (unassigned) | Nicole Witwicki, MSc (Krogman) |
| Theresa Le, MSc (Chen) | Yue Zhao, PhD (Jeffrey/Chen) |
| Wai Mei Lee, MSc (Unterschultz) | Christopher Zindi, PhD (Luckert/Jeffrey) |
| Xiaozhan Liu, PhD (Veeman, T./Chen) | |

Visiting Scholars

- Lu, Huiming, Senior Researcher, Institute of Scientific and Technical Information of Jilin Province, PRC. February 1998 to February 1999.
- Ma, Hengyun, PhD Candidate, Center for Chinese Agricultural Policy, Chinese Academy of Agricultural Sciences, Beijing, PRC. August 1998 to August 1999.
- Tronstad, Russell, Associate Specialist, Department of Agricultural and Resource Economics, University of Arizona: Sabbatical leave from August 1997 to July 1998.
- Xu, Lian, Associate Professor, Huaxia Township Enterprise College, Zhejiang Agricultural University, Hangzhou, Zhejiang, PRC. January 1998 to December 1999.

Visiting Speakers and their Topics

- Brown, Thomas. Rocky Mountain Forest Experiment Station, Ft. Collins, Colorado. *Economic Analysis in the US Forest Service*. April 27.
- Coggins, Jay. Department of Applied Economics, University of Minnesota. *On Valuing Price Support Programs as Compound Options: Was FAIR Fair to US Corn Growers?* May 1.
- Islam, Shahidul. Post Doctoral (NSERC) Fellow, Agriculture and Agri-Food Canada, Lethbridge Research Centre. *Economics of Grasshopper Management in Wheat*. April 23.
- Kerr, W. Department of Economics, University of Calgary. *Trade in Genetically Modified Agricultural Products: What Are the Issues?* July 15.
- Muir Leresche, Kay. University of Zimbabwe. *Wildlife as a Sustainable Land Use Option for Africa*. March 18.
- Oleson, B.T. Agribusiness Chair in Co-operatives and Marketing. Department of Agricultural Economics & Farm Management, University of Manitoba. *Co-operative Chairs and Co-operative Challenges*. June 15.
- Richards, Becky. Department of Sociology, University of Montana. *Normative Roles, Growth Machines, or Addictive Economies: Leader and Resident Differences Toward Siting a Cyanide Heap-Leach Gold Mine*. October 1.
- Stedman, Richard C. Department of Sociology and Rural Sociology, University of Wisconsin - Madison. *Contested Landscapes: Impacts and Collective Responses to Rapid Demographic Change in Northern Wisconsin*. July 9.
- Watson, Alistair S. Freelance Economist, Melbourne, Australia. *Grain Marketing in Big Hot Countries: Implications for Big Cold Countries?* March 19.
- Watson, Alistair S. Freelance Economist, Melbourne, Australia. *Paying for Plant Breeding: The Australian Case*. March 20.

A Major Academic Activity: Rural Economy Participation in Sustainable Forest Management - The Network of Centres of Excellence

The Network of Centres of Excellence, the Sustainable Forest Management Network is centred at the University of Alberta, but national in scope. This is a national research network focused on forest management, involving university, industry and government collaboration in research. The Faculty of Agriculture, Forestry and Home Economics plays a major role in the new NCE. Several faculty members are partners in the Network. Dr. Vic Adamowicz (Rural Economy) became Project Leader of the Network in late 1998. Dr. Terry Veeman (Economics/Rural Economy) is a co-theme leader of one of the four themes (Socioeconomic Sustainability). In addition four faculty members have graduate students funded through the network.

The Sustainable Forest Management NCE is funded by the three federal granting councils: The Natural Sciences and Engineering Research Council (NSERC), the Social Sciences and Humanities Research Council (SSHRC) and the Medical Research Council (MRC) in collaboration with Industry Canada. The original total award for the Network from these councils was \$10.8 million for the period 1995 to 1999. The network has been extended to the year 2002. The Network is also supported by several industry partners and provincial governments.

The Network examines new approaches to forest management that can maintain the nation's forest based-economy while not compromising biodiversity and ecological goals. The Network has four theme areas: Ecological Basis of Sustainability, Planning and Practices, Socioeconomic Sustainability and Minimum Impact Technologies. The theme areas interact to provide linkages between ecology, forest practices, processing and pollution control technology and social and economic development that are necessary to develop new approaches to forestry and new forest policies.

International Projects

Alberta/Zimbabwe Value of Trees Project

M. Veeman, U of A Director

This IDRC-funded project, which started in 1992, was extended to and completed in 1998. Activities in 1998 included completion of the thesis research studies of Pam Jagger and Darla Hatton MacDonald. Faculty member, K. Muir Leresche, a member of the Department of Agricultural Economics and Extension of the University of Zimbabwe visited the University of Alberta under auspices of the Value of Trees Project. Dr. Muir Leresche had worked with several students who conducted thesis research work in Zimbabwe with this project. Final reporting for the project was completed in August 1998.

Agroforestry Southern Africa Project

M. Luckert, U of A Director

This five year project is funded by the Canadian International Development Agency. It is providing for a continuation of many of the collaborative activities involving a variety of collaborative activities of the University of Alberta and the University of Zimbabwe that were initiated through the earlier Value of Trees Project. In 1998 one Rural Economy faculty member (Naomi Krogman) and one graduate student (Donna Dosman) participated in a field research training program on the uses and values of palm products to Zimbabwe villagers. In addition, the graduate studies of four Zimbabwe students were supported under this program in Rural Economy in 1998. These are Godfrey Kundhlande, Chris Zindi, Sibongile Moyo and Lorraine Dzuda.

CATIE/University of Alberta/Universit  J Laval Trilateral Agroforestry Project

This faculty-based project has provided opportunities for graduate student research in Agroforestry. A workshop on research and training in agroforestry was held in Rural Economy in December 1998. The project will be extended through October 1999, and Rural Economy graduate student Julius Salegio will pursue research for the MSc in Rural Sociology through this project.

Publications 1998

Refereed Publications (Journal Articles, Books and Chapters in Books)

- Adamowicz, W. and T. Veeman. 1998. Forestry Policy and the Environment: Changing Paradigms. *Canadian Public Policy* 24(Supplement 2):S51-S61.
- Adamowicz, W., P. Boxall, M. Williams and J. Louviere. 1998. Stated Preference Approaches for Measuring Passive Use Values: Choice Experiments and Contingent Valuation. *American Journal of Agricultural Economics* 80(1 February):64-75.
- Alavalapati, J.J., W.L. Adamowicz and W. White. 1998. A Comparison of Economic Impact Assessment Methods: The Case of Forestry Developments in Alberta. *Canadian Journal of Forest Research* 28 (5):711-719.
- Chen, K. Z. 1998. The Symmetry Problem in the Linear Almost Ideal Demand System. *Economics Letters* 59: 309-315.
- Chen, K. Z. and J. Werasawa. 1998. Regulation, Market Power, and Generic Advertising Effectiveness. *Agricultural and Resource Economics Review* 28:209-217.
- Chen, K. Z. and K.D. Meilke. 1998. The Simple Analysis of Transferable Production Quota: Implications for the Marginal Cost of Milk Production. *Canadian Journal of Agricultural Economics* 46:37-52.
- Chen, K. Z., K. D. Meilke, and C. Turvey. 1998. Income Risk and Farm Consumption Behavior. *Agricultural Economics: The Journal of International Association of Agricultural Economics* 1359:1-11.
- Haener, M. and M.K. Luckert. 1998. Forest Certification: Economic Issues and Welfare Implications. *Canadian Public Policy* Vol. XXIV, supplement 2, S83-S94.
- Haley D. and M.K. Luckert. 1998. "Tenures as Economic Instruments of Achieving Objectives of Public Forest Policy in British Columbia." In: *The Wealth of Forests: Markets, Regulation and Sustainable Development*. Edited by C. Tollefson. Vancouver: UBC Press. pp. 123-151.
- Hanley, N, R. Wright and W. Adamowicz. 1998. Using Choice Experiments to Value the Environment. *Environment and Resource Economics* 11(3-4, April/June): 413-428.
- Islam, S. 1998. An Analysis of Agricultural Productivity in Bangladesh, 1972-1992. *Quarterly Journal of International Agriculture* 37(4):298-309.
- Kennett, J., M. Fulton, P. Molder, and H. Brooks. 1998. "Supply Chain Management: The Case of a U.K. Baker Identity Preserving Canadian Milling Wheat." *Supply Chain Management: An International Journal* 3(3): 157-166.
- Luckert, M.K. 1998. Efficiency Implications of Silvicultural Expenditures From Separating Ownership and Management on Forest Lands. *Forest Science*. 44(3):365-378.
- Luckert, M.K. and F.J. Salkie. 1998. Forestry in Canada: Transitions and Emerging Policy Issues. *Canadian Public Policy*. Vol. XXIV, supplement 2, S1-S10.
- Pattison Perry, M., M. Luckert, W. White and W. Adamowicz. 1998. Combining Sharecropping and Command and Control Incentives in Principal Agent Analysis. A Forestry Example. *Journal of Forest Economics* 4(3):267-279.
- Quagraine, K., J. Unterschultz and M. Veeman. 1998. Effects of Product Origin and Selected Demographics on

Consumer Choice of Red meats. *Canadian Journal of Agricultural Economics* 46: 201-219.

Unterschultz, J., F. Novak, D. Bresee and S. Koontz. 1998. Design, Pricing and Returns of Short-Term Hog Marketing Window Contracts. *The Journal of Futures Markets* 18:723-742.

Unterschultz, J., K. Quagraine, M. Veeman and R. B. Kim. 1998. South Korean Hotel Meat Buyers' Perceptions of Australian, Canadian and U.S. Beef. *Canadian Journal of Agricultural Economics* 46: 53-68.

Veeman, Michele M. 1998. "Who Will Market Western Canada's Grain?" *Canadian Journal of Agricultural Economics* 46:1-16.

Veeman, M.M. and T.S. Veeman. 1998. "Agricultural Marketing Board," *The Canadian Encyclopedia* (James H. Marsh, editor in chief), Hurtig Publishers Ltd. (Revision of 1985 entry, p. 23).

Veeman, M.M. and T.S. Veeman, 1998. "Canadian Wheat Board," *The Canadian Encyclopedia* (James H. Marsh, editor in chief), Hurtig Publishers Ltd. (Revision of 1985 entry, p. 280).

Xu, Xiaosong and S.R. Jeffrey. 1998. "Efficiency and Technical Progress in Traditional and Modern Agriculture: Evidence from Rice Production in China." *Agricultural Economics* 18(2):157-65.

Oral Presentations, Posters, Proceedings and Abstracts and Other Items

Adamowicz, W. "Alternatives to Traditional CVM Question Techniques." Invited Symposium presentation at the First World Congress of Environmental and Resource Economics. Venice, Italy. June 25-27.

Adamowicz, W. "Endangered Species Legislation: Implications for Agriculture." Presented to the Alberta Agricultural Economics Association, Red Deer. May 7.

Adamowicz, W.L. "Environmental Valuation." Presented at the Department of Economics and Management, ADFA, University of N.S.W., Canberra, Australia. August 17.

Adamowicz, W.L. "Non-timber Values and Forest Management." Presented to the Australian Agricultural and Resource Economics Society, Canberra, Australia. August 19.

Adamowicz, W.L. "Non-Timber Values and Forest Management." Presented to the Landscape Ecology Seminar Series, Department of Renewable Resources, University of Alberta. November 5.

Adamowicz, W.L. "Stated Choice Methods for Resource Compensation." Presented at the Canadian Resource and Environmental Economics Workshop, Ottawa, Ontario. Oct 1,2.

Adamowicz, W.L. "Valuing Undiscovered Attributes: A Combined Revealed-Statement Preference Analysis of North America Aboriginal Artifacts." Paper presented at the University of Sydney, Department of Marketing, Sydney, Australia. August 13.

Adamowicz, W. and P. Boxall. "Forest Management and Non-Timber Values: Opportunities and Challenges." Invited paper Presented at the Canadian Pulp and Paper Association Woodlands Forum, Montreal, Que. March 25. Proceedings of the Technical papers presented at the Canadian Woodlands Forum, Canadian Pulp and Paper Association. pp 95-99.

Alavalapati, J., W. Adamowicz and W. White. "Distributive Impacts of Forest Management Policies in Alberta." Southern Forest Economics Conference, Williamsburg, VA. March 25-27.

- Alavalapati, J., W. Adamowicz and W. White. "Economic Impacts of Change in the Forestry Sector: A Case Study of the Foothills Region in Alberta." Seventh international symposium, Society and Resource Management, Columbia, Missouri. May 27-31.
- Alavalapati, J. W. Adamowicz and W. White. "Random Variables in Forest Policy Analysis: A Systematic Sensitivity Analysis." Presented at Forestry and Decision-Making in an Uncertain World. Athens, Georgia. March 23-24.
- Armstrong, G.W., S.G. Cumming, and W.L. Adamowicz. Natural Disturbance Management: Timber Supply Implications. Jointly published as SFMN Working Paper SES-2 and P&P-1.
- Baylis, K., H. Brooks, M. Fulton, and R. Gray, "The Public Policy Problem of Grain Transportation." Presented at Canadian Transportation Research Forum, Annual Meeting Proceedings.
- Baylis, K. and H. Brooks. "Railway Rate Setting Under Monopoly Conditions." Presented at Farming for Profit? II. Moose Jaw, Saskatchewan. June 23.
- Beckley, Thomas and Naomi Krogman. "Social Consequences of Employee/Management Buyouts: Two Canadian Examples from the Forest Sector." Presented at Rural Sociological Society Meetings. Portland, Oregon. August 6-9.
- Boxall, P.C., Jeffrey Englin and Wiktor Adamowicz. "Valuing Undiscovered Attributes: A Combined Revealed- Stated Preference Analysis of North America Aboriginal Artifacts." Paper presented at the First World Congress of Environmental and Resource Economics. Venice, Italy. June 25-27.
- Brooks, H. "New Generation Co-ops: A Model for Value-Added Processing." Presented at Managing Agriculture for Profit '98 (MAP '98). Red Deer, Alberta. January 29.
- Brooks, H. "Clarifying the Rules: The Implications of International Trade Agreements and Future Negotiations for Co-operatives." Presented at National Congress of the Canadian Co-operatives Association. Winnipeg, Manitoba. June 24-25.
- Chen, K.Z. and R. Kim. "Estimating Import Demand in Quota-Constrained Market: the Case of Japan's Wheat." Presented at American Association of Agricultural Economists Annual Meeting, Salt Lake City, Utah. August 3-5.
- Chen, K. and H. Brooks. "State Trading and Trade Preference in Japan's Wheat Market." Paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Fulton, M., K. Baylis, H. Brooks and R. Gray. "The Impact of Deregulation on the Export Basis in the Canadian Grain Handling and Transportation System." Department of Agricultural Economics, University of Saskatchewan. December.
- Fulton, M., B. Larue and M. Veeman. "International Trade in Agricultural and Food Products: The Role of State Trading Enterprises," A Report to Agriculture and Agri-Food Canada, November. Mimeo, 166 pp.
- Haener, M. and M.K. Luckert. Forest Certification: Economic Issues and Welfare Implications. National Centres of Excellence, Sustainable Forest Management Working Paper #SES-5. 29p.
- Hatton MacDonald, D., W. L. Adamowicz, and M. Luckert "A Microeconomic Analysis of Choice of Fuelwood Collection Sites in Zimbabwe: Valuation Through Behaviour and Caloric Expenditure." Paper presented at the First World Congress of Environmental and Resource Economics. Venice, Italy. June 25-27.
- Hatton MacDonald, D., Luckert, MK. and W.L. Adamowicz. "Optimal Economic Rotation in Mixed Wood Stands

- and Forests with Selective Cutting and Clear Cutting Harvesting Strategies.” Project report to the Environmental Protection and Enhancement Fund, Alberta Environmental Protection. 28 p.
- Hauer, Grant K. “Pollution-Income Relationships: The Effect of Pollution Dispersion and Population.” Paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Islam, S., B. S. Freeze and K. K. Klein. “Insect Damage Assessment to Field Crops with Special Reference to Grasshoppers in Canada.” Paper presented at the symposium on Insect Pest Damage Assessment: Methodological Issues and Results Obtained. .” Presented at American Association of Agricultural Economists Annual Meeting, Salt Lake City, Utah. August 3-5.
- Islam, S., B. S. Freeze and K. K. Klein. “Grasshopper Damage to Wheat and Barley in Alberta.” Paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Jeffrey, S., K. Chen, and O. Zhao. “The Impact of Inter-provincial Trade Liberalization on Canadian Dairy Production and Processing.” Paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Jeffrey, S.R. “Policy Risk: Implications for Dairy Farm Management.” In: Advances in Dairy Technology. J.J. Kennelly, editor. Proceedings of the 1998 Western Canadian Dairy Seminar. Edmonton, AB, Department of Agricultural, Food and Nutritional Sciences, University of Alberta. (10):115-23.
- Jeffrey, S.R. “Efficiency and Managerial Performance for Alberta Dairy Farms.” Seminar presented at the Department of Agricultural Economics and Farm Management, University of Manitoba. September.
- Jeffrey, S.R. “Economic Feasibility of Modified Feed and Rumen Management to Reduce Greenhouse Gas Emissions.” Invited Paper presented at a Workshop on Climate Change and Agriculture, sponsored by the Agriculture and Agri-Food Table on Climate Change. Montreal, QU. November
- Jeffrey, S.R., K.Z. Chen and Y. Zhao. “Implications of Interprovincial Trade Liberalization for Canadian Dairy Production and Processing.” Contributed paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Krogman, Naomi. “Teaching Gender and Development in a Post-Modern Era.” Presented at Women’s Studies Research Day Forum. University of Alberta. October 22-23.
- Krogman, Naomi. “Conflict Over Landscapes: Sociological Perspectives.” Presented at Department of Renewable Resources, University of Alberta, Landscape Ecology Seminar Series. January 29.
- Krogman, Naomi. “A Review of the Effective Partnerships Study of the Cooperative Forest Management Planning Board in the Little Red River and Tallcree First Nations.” Presented at SFMN First Nations Workshop. University of Alberta. October 6-7.
- Krogman, Naomi. “A Framing of the Wetland Controversy in Louisiana.” Presented at the Society of Wetland Scientists Meetings. Anchorage, Alaska. June 7-10.
- Krogman, Naomi and Thomas Beckley. “Corporate Bail-Outs and Local Buy-Outs: Pathways to Community Forestry?” Presented at Who Owns America II Conference. Madison, Wisconsin. June 3-6.
- Krogman, Naomi. “The Social Consequences of Local Buy-Outs of Forest Product Mills.” Presented at Sociology Days Research Conference. Edmonton, Alberta. November.

- Le, T. and K. Z. Chen. "Determinants of Meat Import Demand in China." In: Food Markets in China: New Looks...Deeper Understandings. Eds. T. Wahl and S. Rozzele. The Proceedings of the Fourth Symposium of the Western Coordinating Committee "Assessing the Chinese Agricultural Market" (WCC-101). January 12-13, p. 169-187.
- Luckert, M.K. "Stumpage Fee Collection Systems on Public Forest Lands in Canada: An Overview". Invited presentation delivered at the conference: Rent Generation, Taxation and Disposition in Natural Resource Sectors. Universidad de Chile. January.
- Luckert, M.K. "Extraction of Rents in Natural Resource Sectors: Lessons for Chile". Invited panel discussant. Universidad de Chile. January.
- Luckert, M.K. (with V. Adamowicz and J. Unterschultz) "Capstone Courses: 5 years of Innovations." Invited presentation delivered as part of "Teaching Innovation Week" Faculty of Agriculture, Forestry and Home Economics, University of Alberta, Edmonton. February.
- Luckert, M.K. (with M. den Otter and P. Murphy). "Case Study of Policies and Practices Leading to Adaptive Management: The Foothills Model Forest." Invited presentation delivered to a model forest workshop. Hinton, Alberta. May.
- Luckert, M.K. "Agroforestry Southern Africa: An Overview." Invited presentation delivered to the workshop: Joint Workshop of Agroforestry, University of Alberta. December.
- Richards, T.J. and S.R. Jeffrey. "Economic Performance in Alberta Dairy: An Application of the MIMIC Model." Contributed paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Rodriguez, P. M. J., Luckert, M.K, Lieffers, V. and V. Adamowicz. "Economic Analysis of Ecologically Gased Mixedwood Silviculture at the Stand Level." Project report to the Environmental Protection and Enhancement Fund, Alberta Environmental Protection. 122p.
- Skripnichenko, A. and K. Z. Chen. "An Estimation of Ideal Demand System." Presented at American Association of Agricultural Economists Annual Meeting, Salt Lake City, Utah. August 3-5.
- Smith, E.G., M. Lerohl, Y. Peng, H.H. Janzen and F.J. Larney. "An Analysis of the Value of Soil Attributes in Agricultural Production in Alberta." Alberta Agriculture Research Institute Final Report. Project 960717.
- Swait, J., W. Adamowicz and J. Louviere. "Attribute-Based Stated Choice Methods for Resource Compensation: An Application to Oil Spill Damage Assessment." Prepared for Presentation at the Natural Resource Trustee Workshop on "Application of Stated Preference Methods to Resource Compensation" Washington, DC. June 1-2.
- Swait, J. and W. Adamowicz. "Choice Task Complexity and Decision Strategy." Paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Unterschultz, J, F. Novak and S. Koontz. "Design and Evaluation of Long Term Commodity Pricing Contracts." In: Applied Commodity Price Analysis, Forecasting and Market Risk Management Proceedings NCR-134. April. pp. 13.
- Unterschultz, J. and F. Novak. "Compatibility of Government Guarantees with Flexibility in Canadian Wheat Price Pooling." In: Applied Commodity Price Analysis, Forecasting and Market Risk Management Proceedings NCR-134. April. pp. 15. Also presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.

- Veeman, M. Report to the IDRC on the Value of Trees (Alberta/Zimbabwe) Project File #91-1027. Final Report of the project for the period 1991-1998, July 31. Mimeo, 25 pp.
- Veeman, M. "What is it Worth?: Alternate Marketing Research Approaches to Value Product Characteristics." Selected Contributed Paper presented at AARES 42nd Conference, University of New England, Australia. 20 January.
- Veeman, M. "Challenges for Canada's agricultural Trade Policy." Invited "Fellows Address" presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Veeman, M. "State Trading Enterprises and Canadian Agriculture." Selected contributed paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Veeman, M. "Implications of the Multilateral Trade Agreement for Canadian Agriculture: A CGE Analysis." Selected contributed paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Veeman, M. "Current Agricultural Issues and Trends." Invited address, Statistics Canada, Agricultural Division, Ottawa. July 7.
- Veeman, M. "State Trading Enterprises." Invited address, Policy Branch, Agriculture and Agri-Food Canada, Ottawa. July 7.
- Veeman, T.S. "Productivity Advance and Market Pressures: The Case of Prairie Agriculture in Canada." Presented at Australian Agricultural and Resource Economics Society, 42nd Annual Conference, University of New England, Armidale, NSW. January 19-21.
- Veeman, T.S. "Sustainable Forest Management: Implications for Social Science Research." Presented at Joint Canadian Forest Service/SFM Network/Canadian Pulp and Paper Association Workshop on Social Science Research Needs in Forestry, Montreal. March 25-26.
- Veeman, T.S. and A. Hailu. "Environmentally Sensitive Productivity Analysis of the Canadian Pulp and Paper Industry, 1959-1994: An Input Distance Function Approach." Selected contributed paper presented at the World Congress of Environmental and Resource Economists, Venice, Italy. June 25-27.
- Veeman, T.S. and A. Hailu. "Productivity and Efficiency in the Canadian Pulp and Paper Industry: Input Distance Function and Index Number Analysis." Selected contributed paper presented at the Annual Meeting of the Canadian Agricultural Economics Society, Vancouver, BC. July 5-8.
- Veeman, T.S., Y. Peng and A.A. Fantino. "Productivity in the Agrifood Sector: The Case of Primary Agriculture and Processing in Alberta." Selected contributed paper presented at the Joint Canadian Agricultural Economics Society and Agricultural Institute of Canada annual meetings, Vancouver. July 5-9.
- Veeman, T.S. and A. Hailu. "Non-Parametric Approaches to Environmentally Sensitive Analysis of Economic Performance: Technical Change and Productivity Growth in the Canadian Pulp and Paper Industry 1959-1994." Selected contributed paper presented at the American Agricultural Economics Association Annual Meeting, Salt Lake City, Utah. August 3-5.

Staff Papers and Project Reports

- Adilu, Shiferaw, Michele Veeman and Terrence Veeman. *Implications of the Multilateral Trade Agreement for Canadian Agriculture: A Computable General Equilibrium Evaluation*. Staff Paper 98-04. Department of Rural Economy, University of Alberta, Edmonton. 26 p.
- Aitkin, Darren, Jim Unterschultz and Scott Jeffrey. *Case Study: Value Added in the Oats Industry in Alberta and Western Canada 1998*. Staff Paper 98-07. Department of Rural Economy, University of Alberta, Edmonton. 46 p.
- Aitkin, Darren, Jim Unterschultz and Scott Jeffrey. *An Historical Overview of Crop Acres in Western Canada*. Staff Paper 98-08. Department of Rural Economy, University of Alberta, Edmonton. 43 p.
- Chen, Kevin and Renee Kim. *Estimation of Source-and Quality-Differentiated Import Demand Under Aggregate Import Quota: An Application to Japan's Wheat*. Staff Paper 98-09. Department of Rural Economy, University of Alberta, Edmonton. 25 p.
- Dunlevy, K.J. and M.L. Lerohl. *Market Access in Western Canadian and Northwestern United States Table Potato Markets*. AARI Project #96M015. Project Report 98-01. Department of Rural Economy, University of Alberta, Edmonton. 29 p.
- Hatton MacDonald, Darla, Vic L. Adamowicz and Martin K. Luckert. *Valuing Fuelwood Resources Using a Site Choice Model of Fuelwood Collection*. Staff Paper 98-01. Department of Rural Economy, University of Alberta, Edmonton. 21 p. + appendices.
- Hatton MacDonald, Darla and Marian Weber. *Using Participatory Research Methods in Economic Research*. Staff Paper 98-11. Department of Rural Economy, University of Alberta, Edmonton. 26 p.
- Kundhlande, G. and M.K. Luckert. *Towards an Analytical Framework for Assessing Property Rights to Natural Resources: A Case Study in the Communal Areas of Zimbabwe*. Staff Paper 98-05. Department of Rural Economy, University of Alberta, Edmonton. 25 p.
- Kuperis, P., M.M. Veeman and W.L. Adamowicz. *Consumers' Responses to the Potential Use of Bovine Somatotrophin in Canadian Dairy Production*. Staff Paper 98-03. Department of Rural Economy, University of Alberta, Edmonton. 22 p.
- Renner, Miriam and Wiktor Adamowicz. *The Effects of Alternative Agriculture and Fair Grade on the Development of Producer Groups and Their Members: Case Studies from Northern Thailand*. Staff Paper 98-06. Department of Rural Economy, University of Alberta, Edmonton. 31 p.
- Richards, Timothy J. and Scott R. Jeffrey. *Economic Performance in Alberta Dairy: An Application of the Mimic Model*. Staff Paper 98-02. Department of Rural Economy, University of Alberta, Edmonton. 31 p.
- Unterschultz, J.R., M.L. Lerohl, Y. Peng and R.K. Gurung. *A Nutraceutical Industry: Policy Implications for Future Directions*. AARI Project #970747. Project Report 98-02. Department of Rural Economy, University of Alberta, Edmonton. 42 p.
- Veeman, Michele, Terrence Veeman and Shiferaw Adilu. *GATT Liberalization and World Grain Markets: Potential and Constraints for Western Canada*. Farming For the Future Project #950605. Project Report 98-03. Department of Rural Economy, University of Alberta, Edmonton. 43 p.
- Witwicki, Nicole, Naomi T. Krogman and Harvey Brooks. *Theoretical Guidance on the Determinants of Success in Agricultural Marketing and Production Clubs*. Staff Paper 98-10. Department of Rural Economy, University of Alberta, Edmonton. 26 p.

Research Projects Completed January 1 - December 31, 1998

Adamowicz, W.L. "Household Bargaining Models and Choices Under Risk." Funded by Endowment for the Future Fund.

Apedaile, L.P. "Social and Economic Restructuring in Rural Canada: Opportunities and Impacts of the North America Free Trade Agreement." Funded by SSHRC.

Chen, K. "Marketing." Funded by FSIDA.

Chen, K. "Advertising and RD." Funded by Central Research Fund.

Chen, K. and M. Veeman. "Oligopsony." Funded by Central Research Funded - SSHRC4A.

Krogman, N.T. "Stakeholder Issues for the Overlapping Land Uses for Oil and Gas Development, Farming and Forestry." Funded by Endowment Fund for the Future (EFF) Support for the Advancement of Scholarship, University of Alberta.

Krogman, N.T. "Local Control of Forest Management: Social Implications for Community Buy Out of Forest Product Mills." Funded by Social Sciences Research (SSR) Grant, University of Alberta.

Lerohl, M., K. Chen and M. Veeman. "Modelling Table Potato Markets." Funded by Alberta Agricultural Research Institute.

Lerohl, M., K. Chen and M. Veeman. "Table Potato Markets in BC." Funded by Alberta Potato Growers of Alberta.

Luckert, M.K., V. Lieffers and W. Adamowicz. "Economic Analysis of Ecologically Based Mixedwood Silviculture at the Stand and Forest Level." Funded by Alberta Environment.

Novak, F.S. "Price Risk Management Strategies for the Alberta Hog Industry." Funded by University of Alberta Central Research Fund.

Tyrchniewicz, E.W. "Forestry Sector's Interface with the Transport Sector." Funded by Forestry Canada.

Unterschultz, J. and M. Veeman. "Korean Beef." Funded by Alberta Agricultural Research Institute.

Veeman, M.M. "Consumers' Perceptions of Environmental and Health Risks: Impacts on Demand for Dairy Products." Funded by University of Alberta Central Research Fund.

Veeman, M.M. "Measurement of Economic Effects of Generic Promotion of Meats." Funded by EFF.

Veeman, M.M. and W.E. Phillips, et al. "Value of Trees (Alberta/Zimbabwe)." Funded by IDRC.

Research in Progress as of December 31, 1998

Adamowicz, W. "Integrating Household/Group Preferences into Models of Choice and Environmental Valuation." Funded by SSHRC.

Adamowicz, "Forest Use and Non-Use Values: A Research Program Proposal." Funded by Mistik Management Ltd.

Adamowicz, W.L. "Modeling Non-timber Benefits via Benefits Transfers." Funded by Network of Centres of Excellence on Sustainable Forest Management.

Adamowicz, W. and M. Luckert, W. White. "Assessing the Economic Impacts of a Natural Disturbance Forest Management Regime." Funded by Network of Centres of Excellence on Sustainable Forest Management.

Adamowicz, W., P. Kennedy, B. Laplante, M. Luckert. "Economics of Waste Management." Funded by Environment Canada.

Beckley, T., P. Boxall and W. White. "Socio-Economics." Funded by Foothills Model Forest.

Beckley, T., E. Murray, W. White. "Sustainable Communities." Funded by Network of Centres of Excellence on Sustainable Forest Management.

Brooks, H. and N. Krogman. "Analysis of Determinants of Success of Agricultural Marketing and Production Clubs." Funded by REDA Farm Business Management Initiative.

Campbell, B., J. Gambiza, M. Luckert and B. Mukamuri. "Economics of Grazing." Funded by ECEP.

Chen, K. "Export Competitiveness of Alberta Value-Added Food Industry in Asia Pacific." Funded by Social Sciences Research.

Chen, K. "Competitiveness of Alberta Agri-food Exports." Funded by Western Centre for Economic Research and the Centre for International Business.

Chen, K. "Export Competitiveness of Alberta and Canadian Value-Added Food Products in Asia Pacific." Food and Rural Development.

Chen, K. "Wheat Import Demand for China: Implications for Canada's Exports." Funded by SSR.

Chen, "Food Demand and Consumer Behaviour in Canada: Evidence from Microdata." Funded by SSHRC.

Chen, K. "Meat Advertising Strategies in North America." Funded by EEF-SAS.

Chen, K. "Demand for Food-Away-from-Home by Canadian Households." Funded by Endowment for the Future: Support for the Advancement of Scholarship.

Chen, K. "Marketing Margins, Stochastic Supply, and Oligopsony with Application to Canadian Meat Industry." Funded by EEF-SAS.

Hauer, G. "The Role of the Canadian Natural Resources Sector in Sustainable Development: An Overlapping Generations Approach." Funded by EEF-SAS.

Jeffrey, S.R. and K.Z. Chen. "Implications of International and Interprovincial Trade Liberalization and Dairy Production and Processing." Jointly funded by Alberta Agricultural Research Institute and Agriculture Canada for Alberta.

Jeffrey, S.R. "An Assessment of the Economic Impact of BST on the Alberta Dairy Sector." Funded by Alberta Agricultural Research Institute and the Alberta Milk Producers Society.

Jeffrey, S.R. "A Dynamic Economic Analysis of Productive Efficiency in Alberta Dairy Production." Funded by Alberta Agricultural Research Institute and the Alberta Milk Producers Society.

Krogman, N. "The Effectiveness and Potential of the Cooperative Forest Management Planning Board in the Caribou-Lower Peace Region." Funded by SFM-NCE.

Krogman, N.T. Research funded by U of A Research Excellence Envelope.

Krogman, N.T. "Travel and Consulting Funds to Develop Sampling Frame and Gather Survey Data on Farmer Wetland Conservation Behavior Throughout Southeastern Alberta." Funded by General Research Fund, University of Alberta.

Lerohl, M.L. "Grain-Livestock Industry Research." Funded by Alberta Agriculture.

Lerohl, M.L. "The Impact of South American Integration on the North American Beef Market." Funded by Alberta Agricultural Research Institute, Farming for the Future Project.

Lerohl, M.L. and J.R. Unterschultz. "Supply Chain Competency: Recipe for Cereal and Livestock Marketing in Alberta." Funded by AARI.

Luckert, M. "Foothills Model Forest." Funded by Foothills Model Forest.

Luckert, M., with B. Campbell, J Gambiza and B. Makamuri. "Economics of Grazing." Funded by Ecological Economic Network for Eastern and Southern Africa, Environment Capacity Enhancement Project.

Luckert, M. and E. Murray. "Agroforestry: Southern Africa." Funded by CIDA.

Novak, F.S. and S.R. Jeffrey. "An Economic Analysis of Alternative Whole Farm Stabilization Programs." Funded by Alberta Agricultural Research Institute Matching Grants Program with matching funds from SSHRC Project re: NISA.

Novak, F.S. and J.R. Unterschultz. "Price Risk Management Strategies for the Alberta Hog Industry." University of Alberta Swine Research Endowment Trust and AARI.

Novak, F. and J. Unterschultz. "New Instruments for Co-ordination and Risk Sharing Within the Canadian Beef Industry." Funded by the Beef Industry Development Fund.

Novak, F. and J. Unterschultz. "Swine Risk Management." Funded by Alberta Agricultural Research Institute.

Rutakumwa, W. "Access to Health Care for Rural Ugandan Women." Funded by U of A Fund for the Support of International Development Activities.

Smith, E. and M. Lerohl. "An Analysis of the Value of Soil Quality Attributes in Agricultural Production in Alberta." Funded by Alberta Agricultural Research Institute.

Unterschultz, J. and S. Jeffrey. "Value-Added 20 Billion by 2005: Impact of the Alberta Farm Gate." Funded by AARI.

Unterschultz, J. and M. Lerohl. "A Nutraceutical Industry: Policy Implications." Funded by Alberta Agricultural Research Institute.

Unterschultz, J. and F. Novak. "Empirical Investigation of Flexible Pricing and Payment Alternatives on Canadian Wheat Board Pooling for Wheat." Funded by Alberta Agricultural Research Institute and Canadian Wheat Board.

Veeman, M.M. "Import Demand Estimation for Wheat: Incorporating Product Differentiation in Wheat Trade Analysis." Funded by EFF-SAS.

Veeman, M.M. "Economic Impacts of Supply Management." Unfunded.

- Veeman, M. and W. Adamowicz. "Consumer Perceptions of Environmental Risks and Demand for Food Safety." Funded by Alberta Agricultural Research Institute.
- Veeman, M.M. and W. Adamowicz. "Consumers' Perceptions of Environmental and Health Risks: Milk Case Study." Funded by University of Alberta Endowment Fund for the Future.
- Veeman, M.M. and J.R. Unterschultz. "Market Potential for Pork in Selected US Markets." Funded by Federal-Provincial Market Development Council and Alberta Pork Producers Marketing Corp. and Alberta Agriculture Research Institute.
- Veeman, M.M. and T.S. Veeman, "GATT Liberalization and World Grain Markets: Potential and Constraints for Western Canada." Funded by Alberta Agriculture Research Institute - Farming for the Future.
- Veeman, T.S. "Research Contributions to Crop Improvement and Agricultural Productivity." Funded by AARI.
- Veeman, T.S. "Science, Technology and Competitiveness in Alberta's Agriculture and Food Sector." Funded by Alberta Agriculture Research Institute.
- Veeman, T.S. and M. Luckert. "Economic Issues in Assessing Sustainable Development in Forestry." Funded by Network of Centres of Excellence on Sustainable Forest Management.
- Veeman, T.S. and M.M. Veeman. "Conserving Water in Irrigated Agriculture: The Economics and Valuation of Water Rights." Funded by Canada-Alberta Environmentally Sustainable Agriculture (CAESA) Program.
- Veeman, T.S. and M.M. Veeman. "Export Markets for Canadian Grain: The Chinese Enigma." Funded by AARI.
- Veeman, T., W. Adamowicz, T. Horbulyk and J. Church. "Green Plan Economic Instruments for Water Resource Allocation: A Theoretical and Empirical Assessment of Pricing and Rights Trading." Funded by Environment Canada.