

RURAL ECONOMY

1996 ANNUAL REPORT



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

DEPARTMENT OF RURAL ECONOMY

1996 ANNUAL REPORT

Department of Rural Economy
Faculty of Agriculture, Forestry and Home Economics
University of Alberta
Edmonton, Alberta
T6G 2H1
Phone: 492-4225
Fax: 492-0268

February 1997

Table of Contents

Foreword to 1996 Annual Report of Rural Economy 1

Department Staff 3

 Academic Staff 3

 Associated Academic Staff 3

 Support Staff 3

 Sessional Lecturers & Research Associates 3

Awards to Graduate Students in 1996 4

Awards to Staff in 1996 4

Professional Offices Held by Staff in 1996 4

Staff on Leave in 1996 5

Graduate Students Completing Programs in 1996, their Thesis Topics and Supervisors 5

Graduate Students Commencing and Continuing Programs Through 1996 6

Visiting Speakers and their Topics 6

Other Visiting Scholars 7

A Major Academic Activity: Rural Economy Participation in Sustainable Forest Management - The Network
of Centres of Excellence 7

International Projects 8

 Oral Presentations, Posters, Proceedings and Abstracts and Other Items 10

 Staff Papers and Project Reports 14

Research Projects Completed January 1 - December 31, 1996 16

Research in Progress as of December 31, 1996 17

Foreword to 1996 Annual Report of Rural Economy

Moving Forward: Rural Economy in 1996

Continued budgetary challenges faced the Department of Rural Economy, the University of Alberta and other public and private sector institutions in 1996. Nonetheless, the year was marked by numbers of significant achievements for Rural Economy. During this year, the endowment-funded Cooperative Chair in Agricultural Marketing and Business was filled. An extension was awarded for the Alberta Agricultural Research Institute-funded Chair in Value Added Marketing. The Network of Centres of Excellence in Sustainable Forest Management continued to have a significant impact on research opportunities for Rural Economy graduate students pursuing interests in environmental, forest and natural resource topics relating to Canada's boreal forests; the national socio-economic research theme of this network is led by two Rural Economy faculty members. A further significant achievement during 1996 relates to the selection for funding, by the Province of Alberta, of a new BSc program in Forest Business Management and two associated graduate-level programs in agriculture and forest business management. These include joint MBA-MAg and MBA-MF degrees. The development of these programs, offered jointly by the Faculty of Agriculture, Forestry and Home Economics and the Faculty of Business, was spearheaded by Rural Economy.

Graduate students in Rural Economy continue to have access to research opportunities abroad through several international programs with which we are affiliated. These programs, outlined in more detail in the body of the Department's *Annual Report*, were supplemented in 1996 by a new international program titled *Agroforestry: Southern Africa*. This links the University of Alberta, through the Department of Rural Economy, with the University of Zimbabwe. Other significant achievements have been made in teaching and research in Rural Economy in 1996. Enrollment in our courses has continuously increased since 1994/95; registrations in Rural Economy courses in 1996/97 stood at 131 percent of 1994/95 registration levels. The achievement by Rural Economy faculty members of research funding in excess of \$800 thousand in 1996/97 is also of particular significance. These achievements in teaching and research occurred despite considerable changes in faculty and support staffing levels during the preceding four years.

Changes in the complement of academic and support staff continued during 1996. Dr. Len Bauer retired early, as of June 30, 1996, but continued an active role in the Department in the current academic year through his role in the capstone course of the Agriculture/Food Business Management program and his activities as the Program Chair for the 11th International Farm Management Congress (to be held in Calgary in July 1997). Dr. Eloise Murray has also retired early from her joint appointment in Rural Economy and Women's Studies, as of December 31, 1996. Despite relocating to Ontario in early 1997, she will maintain an association with Rural Economy through continuing participation in department-based research and

international programs.

A departmental event to recognize the contributions of recently-retired faculty highlights the changes in faculty resources that have occurred during the past three years. Faculty members honoured at this event included, in addition to Len Bauer and Eloise Murray, Wayne Anderson (whose appointment was in Renewable Resources and Rural Economy), Peter Apedaile and Bill Phillips. Members of Rural Economy were saddened by the death in November 1996 of Travis Manning, the first Chairman of the department.

Budgetary pressures in 1996 led to the deletion of the support staff position that had previously been held by Joan Wigmore, necessitating considerable reorganization of the responsibilities and activities of support staff members during the year. Rural Economy faculty and students are fortunate to continue to be well-served by four long-standing very capable members of the support staff. Three of these positions support the general educational and research operations of the department and one position supports the Rural Economy research reading room.

The extension of the term appointment of Dr. Jim Unterschultz in the AARI Marketing Chair and the appointment of Dr. Harvey Brooks to the Cooperative Chair position during 1996 reflect the valuable contributions of industry and government to research and education in Rural Economy, enabling a critical mass to be achieved for teaching and research in agribusiness management and marketing. These contributions are of particular importance in view of the increasing demand by students for Rural Economy courses and the substantive role in research provided by staff and graduate students in this department. The selection, during the past year, for 1997 appointments to two tenure-track assistant professor positions will complement Rural Economy's strength in education and research relating to environmental/forest/natural resources issues. Dr. Naomi Krogman joins Rural Economy in March 1997 and Dr. Grant Hauer joins in July 1997.

Through the generosity of donors, including former and current staff and students and continuing friends, the endowment fund to support the specialized Rural Economy reading room collection of research materials in agricultural economics, forest economics, and rural and resource sociology was expanded. A new endowment fund to support students in Rural Economy graduate programs was instituted. Rural Economy has weathered the four years of government-instituted budget cuts to the public sector. We are moving forward to fulfill our mission of striving for excellence in teaching and research in selected areas of social science that relate to rural people and their activities through relevant programs of education and research on agriculture, food, forests and the environment.

Michele M. Veeman
Chair

February 1997

Department Staff

Academic Staff

Wiktor L. Adamowicz, Ph.D. (Minnesota); Professor; Environmental Economics, Econometrics, Forest Economics.
Len Bauer, Ph.D. (Oregon State); Professor; Farm Management, Production Economics (to July 1996).
Harvey G. Brooks, Ph.D. (Iowa State); Associate Professor; Co-operative Chair Program in Agriculture, Marketing and Business. (from September 1996).
Kevin Z. Chen, Ph.D. (Guelph); Assistant Professor; Agricultural Marketing and Policy.
James H. Copeland, M.Sc. (Alberta); Faculty Service Officer; Computing and Statistical Analysis.
Dhara S. Gill, Ph.D. (Cornell); Professor; Rural Sociology, Agricultural Extension.
Scott R. Jeffrey, Ph.D. (Minnesota); Associate Professor; Agricultural Business Management, Production Economics.
Mel L. Lerohl, Ph.D. (Michigan State); Professor; Production Economics, Agricultural Policy. Graduate Coordinator.
Martin K. Luckert, Ph.D. (British Columbia); Associate Professor; Forest Economics, Natural Resource Economics. Graduate Coordinator.
Eloise C. Murray, Ph.D. (Pennsylvania State); Professor; Gender Issues, Extension, International Development. Joint appointment with Women's Studies.
Frank S. Novak, Ph.D. (Illinois); Associate Professor; Finance, Production Economics.
Ed W. Tyrchniewicz, Ph.D. (Purdue); Professor and Dean; Policy, Transportation, Agricultural Policy, International Development. (On administrative leave September 1996 to August 31, 1997).
Jim R. Unterschultz, Ph.D. (Alberta); Assistant Professor; Marketing, Finance.
Michele M. Veeman, Ph.D. (California at Berkeley); Professor and Chair; Marketing, Policy, Trade.
Terry S. Veeman, Ph.D. (California at Berkeley); Professor; International Development, Resource Economics. Joint appointment with Economics.

Associated Academic Staff

Janaki R.R. Alavalapati, Ph.D. (Alberta); Visiting Assistant Professor; Forest and Resource Economics.
Leonard P. Apedaile, Ph.D. (Iowa State); Professor Emeritus; Agricultural Policy, Rural Development.
Len Bauer, Ph.D. (Oregon State); Professor Emeritus; Agricultural Management, Production Economics.
Tom M. Beckley, Ph.D. (Wisconsin); Adjunct Professor; Forest Sociology.
Murray H. Hawkins, Ph.D. (Ohio State); Professor Emeritus; Marketing, Business Management.
G. Wayne Lamble, Ph.D. (Texas A & M); Adjunct Professor (Faculty of Extension); Extension Education.
Benoit Laplante, Ph.D. (Queen's); Adjunct Professor (World Bank); Environmental Economics.
Harold C. Love, Ph.D. (Iowa State); Professor Emeritus; Production Economics.
Travis W. Manning, Ph.D. (Minnesota); Professor Emeritus; Natural Resource Economics.
Glen A. Mumey, Ph.D. (Washington); Adjunct Professor (Faculty of Business); Finance, Management.
Brian T. Oleson, Ph.D. (Minnesota); Adjunct Professor (Canadian Wheat Board); Marketing, Trade.
T. Alf Petersen, Ph.D. (Washington State); Professor Emeritus; Farm Management, Extension.
W.E. Phillips, Ph.D. (California at Berkeley); Professor Emeritus; Forest Economics, Resource Economics.
Joseph J. Richter, Dr. Rer. Pol. (Graz, Austria); Professor Emeritus; Marketing, Trade.
Wolfgang M. Schultz, Ph.D. (Oklahoma State); Professor Emeritus; Production Economics, Natural Resource Economics.
William A. White, Ph.D. (Simon Fraser); Adjunct Professor (Canadian Forest Service); Forest Economics.

Support Staff

Judy Boucher, Computing Assistant
Liz Bruce, Graduate Secretary
Wendy Williamson, Department Secretary
Dawn Zrobok, Library Assistant

Sessional Lecturers & Research Associates

Alberto Fantino, Research Associate
Arlene Kwasniak, Sessional Lecturer
Yanning Peng, Research Associate
Kwamena Quagraine, Research Associate
Fiona Salkie, Research Associate
Bruce Viney, Research Associate

Awards to Graduate Students in 1996

- Shiferaw Adilu - Walter H. Johns Graduate Tuition Scholarship
- Donald Bresee - John Proskie Memorial Scholarship
- Winnipeg Commodity Exchange Fellowship Award
- Sylvie Cauvier-Lepine - Circumpolar Boreal Alberta Research Grant
- Cyril Chami - African Economic Research Consortium (AERC) Scholarship
- Donna Dosman - SSHRC Fellowship
- Walter H. Johns Graduate Fellowship
- Mohamed Gheblawi - Libyan Secretariat of Higher Education Scholarship
- Michel Haener - Province of Alberta Graduate Scholarship
- Atakelty Hailu - U of A Dissertation Fellowship
- Innocent Karamagi - African Economic Research Consortium (AERC) Scholarship
- Joseph Karugia - Kenya-Canada General Training Programme Scholarship
- M.H. Hawkins Graduate Research Award
- Renee Boyoung Kim - Canadian Wheat Board Agribusiness Award
- Funekile Mdluli - Canadian Commonwealth Scholarship
- Christine Mhina - Canadian Commonwealth Scholarship
- Ernest Odupong - University of Alberta Ph.D. Scholarship
- Miriam Renner - Walter H. Johns Graduate Tuition Scholarship
- Jane Zheng - Canadian Wheat Board Agribusiness Award

Awards to Staff in 1996

- Wiktor L. Adamowicz - National Association of Colleges and Teachers of Agriculture (NACTA) Meritorious Teaching Award; appointed to the Alberta Forest Management Science Council.
- Kevin Z. Chen - Outstanding Doctoral Thesis Award, Canadian Agricultural Economics and Farm Management Society.
- Dhara S. Gill - Recognition award from Maejo University, Thailand, for promoting institutional linkage between Maejo University and the University of Alberta.
- Ed Tyrchniewicz - Fellow, Canadian Agricultural Economics and Farm Management Society.

Professional Offices Held by Staff in 1996

- Wiktor Adamowicz - Appointed to the Alberta Forest Management Science Council; Member of Editorial Board for the Journal of Agricultural and Resource Economics; Members of Editorial Council for the Journal of Environmental Economics and Management
- Peter Apedaile - Past President and Chair of the Finance Committee, Canadian Rural Restructuring Foundation

Len Bauer - Member of Planning Committee for the International Farm Management Congress; Chairman of the Program Committee for the International Farm Management Congress

Tom Beckley - Chair, Natural Resources Research Group of the Rural Sociological Society

Harvey Brooks - Adjunct Professor, Department of Agricultural Economics, University of Manitoba and University of Saskatchewan

James Copeland - Membership Director, Alberta Agricultural Economics Association

Dhara Gill - Director, Human Resources Development for Sustainable Agroforestry and Environmental Conservation Project in Northern Thailand

Scott Jeffrey - Councillor, Canadian Agricultural Economics and Farm Management Society Executive; Awards Chair, Canadian Agricultural Economics and Farm Management Society; Member of the Advisory Council, Western Canadian Dairy Seminar

Mel Lerohl - Member, Alberta Agricultural Research Institute "Policy, Economics and Marketing" Research Committee

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

Frank Novak - Council Member, Western Agricultural Economics Association

Jim Unterschultz - Newsletter Editor and Member of the Executive, Alberta Agricultural Economics Association

Michele Veeman - Member, Advisory Committee on Agricultural Statistics to Statistics Canada.

Terry Veeman - President, Canadian Agricultural Economics and Farm Management Society; CAEFMS Liaison, International Association of Agricultural Economists - Canada Chapter; Director, Canadian Water Resources Association - Alberta Branch.

Staff on Leave in 1996

Ed Tyrchniewicz, September 1, 1996 to June 30, 1997

Graduate Students Completing Programs in 1996, their Thesis Topics and Supervisors

Akabua, Kojo. Economic Valuation of Nontimber Resources Under a Lottery Rationing System: The Case of Moose Hunting in Newfoundland. Ph.D. (Adamowicz/Phillips)

Anderson, Christine. Implications of the NAFTA for Alberta's Cattle and Beef Industries: A Spatial Modelling Approach. M.Sc. (Lerohl)

Block, Ray. An Examination of Risk: An Application to Agricultural Public Risk Programs. M.Ag. (Jeffrey/Novak)

Buchanan, Gary. Economic Development Entities and Their Techniques for Community Economic Development in Northeast Alberta. M.Ag. (Gill)

Deans, Florence Mae. Social Networks and the Economic Life of Rural Business. M.Sc. 143 p. (Gill)

Freeman, Ruth. Transferable Water Rights in Alberta. M.Sc. (T. Veeman)

Just, Lesley. Women and Agroforestry in Kabale District, Uganda: An Exploratory Study of Social Issues Affecting Women's Agroforestry Behaviours and Production. M.Sc. (Murray)

Pattison, Marilea Ruth. Forest Regeneration Standards and Tenure: A Principal-Agent Analysis. M.Sc. (Luckert/White)

Phakisi, Stephen. The Changing State of Market Research Methodologies: An Overview. M.Ag. (Unterschultz/M. Veeman)

Salami, Habibollah. Production Structure and Productivity Measurement in the Iranian Crop Sector. Ph.D. (T. Veeman)

Vincent, Michel. Evaluating the Quebec Beef Market: An Alberta Perspective. M.Ag. (Unterschultz)

Wouters, Keri. Gender Differences in Forest Practices and Environmental Awareness in Northwestern Thailand: An Exploratory Study. M.Sc. (Murray)

Graduate Students Commencing and Continuing Programs Through 1996

Shiferaw Adilu, Ph.D. (Veeman, M.)	Godfrey Kundhlande, Ph.D. (Luckert/Adamowicz)
Peter Boxall, Ph.D. (Luckert/Adamowicz)	Peter Kuperis, M.Sc. (Veeman, M.)
Orysia Boychuk, M.Sc. (Gill)	Norman Lyster, M.Sc. (Lerohl)
Donald Bresee, M.Sc. (Novak)	Sebastian Maurice, M.Sc. (Lerohl)
Nelson Bungi, M.Sc. (Adamowicz)	Funekile Mdluli, Ph.D. (Murray/Gill)
Peter Cahill, M.Sc. (Adamowicz)	Craig Meisner, M.Sc. (Adamowicz)
Sylvie Cauvier-Lepine, M.Sc. (Murray)	Christine Mhina, M.Sc. (Veeman, T.)
Cyril Chami, Ph.D. (Adamowicz, Veeman, T.)	Ernest Odupong, Ph.D. (Jeffrey)
Maureen Dolphin, M.Sc. (Mumey)	John Parkins, M.Sc. (Gill)
Donna Dosman, Ph.D. (Adamowicz/Murray)	Angela Pearson, M.Sc. (Veeman, T.)
Kevin Dunlevy, M.Sc. (Lerohl)	Tracey Poitras-Collins, M.Sc. (Gill)
Nanako Furuyama, M.Sc. (Gill)	Yasmin Rahemtulla, M.Sc. (Veeman, T./Adamowicz)
Mohamed Gheblawi, Ph.D. (Adamowicz)	Miriam Renner, M.Sc. (Adamowicz)
Michel Haener, M.Sc. (Adamowicz)	Philippa Rodrigues, M.Sc. (Luckert)
Atakelty Hailu, Ph.D. (Veeman, T.)	Bradford Shapansky, M.Sc. (Adamowicz)
Jamie Hansen, M.Sc. (Luckert)	Andrew Spratt, M.Sc. (Unterschultz)
Darla Hatton MacDonald, Ph.D. (Adamowicz/Luckert)	Jeji Varghese, M.Sc. (Murray)
Innocent Karamagi, Ph.D. (Jeffrey/Veeman, T.)	Sonya Wytinck, M.Sc. (Veeman, T.)
Joseph Karugia, Ph.D. (Veeman, M.)	Xiaosong Xu, Ph.D. (Adamowicz)
Dianne Korber, M.Sc. (Luckert/Beckley)	Yue Zhao, Ph.D. (Veeman, M./Jeffrey)
Renee Kim, M.Sc. (Veeman/ M./Unterschultz)	Jane Zheng, M.Sc. (Tyrchniewicz/Veeman, M.)

Visiting Speakers and their Topics

Hanley, N., Environmental Economics Research Centre, University of Stirling, Scotland. *Economic-Ecological Modelling of Habitat Conservation in Scotland*. October 28.

Hauer, Grant K., Ph.D. Candidate, Department of Applied Economics, University of Minnesota. *International Dispersion of Pollution Externalities: Multiple Public Bads in a Multi-jurisdictional Setting*. October 7.

Krogman, Naomi T., Adjunct Professor, Department of Sociology, University of Southwestern Louisiana. *Frame Disputes in Wetland Policy: Louisiana's Stakeholders on Regulatory Reform*. October 10.

Wellstead, Adam M., Ph.D. Candidate, Department of Political Science, University of Alberta. *The Role of the Advocacy Coalition Framework in Understanding Forest Policy Changes: Two Case Studies of Alberta and Ontario*. September 6.

Other Visiting Scholars

Apichai, Thirathon, Maejo University, Thailand: March 31 - May 31.

Rawee Hanpachern, Maejo University, Thailand: March 31 - May 31.

Alois Mandondo, University of Zimbabwe: October 15 - November 19.

Billy Mukamuri, University of Zimbabwe: October 22 - November 19.

Pisoot, Niumsup, Maejo University, Thailand: March 15 - May 17.

Somchai Ongprasert, Maejo University, Thailand: October 1 - December 1.

Phetpradap, Luckana, Maejo University, Thailand: June 10-20.

Phetpradap, Songvut, Vice President for Special Affairs, Maejo University, Thailand: June 10-20.

Thep Pongparnich, Vice-President Academic, Maejo University, Thailand: October 20-30.

Varee Rahong, Maejo University, Thailand: August 30 - December 3.

Numchai Thanupon, Dean, Faculty of Agricultural Business, Maejo University, Thailand: August 30 - December 31.

Ahnon Tiangtrong, President, Maejo University, Thailand: April 22 - May 2.

Numpet Winischaikule, Maejo University, Thailand: August 30 - December 31.

Xayachack Thongly, Director, Nabong Agricultural College, Vientiane, Lao, PDR: June 10-16.

Shufang Zhu, Professor and Dean, College of Economics and Trade, Southwest Agricultural University, Sichuan Province, PRC: January 22 - December 31.

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

On July 5, 1995 four new Networks of Centres of Excellence were announced, including the Sustainable Forest Management Network led by Dr. Ellie Prepas of the University of Alberta. This project, centred at the University of Alberta, but national in scope is a national research network focused on forest management, involving university, industry and government collaboration in research.

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 total award for the Network from these councils is \$10.8 million for the period 1995 to 1999. The Network is also supported by several industry partners and provincial governments.

The Network strategy is to examine 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 will interact to provide the 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.

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) and Dr. Terry Veeman (Economics/Rural Economy) are theme leaders of the Socioeconomic Sustainability Theme. In addition four faculty members have

graduate students funded through the network including: 3 Ph.D. students, 4 M.Sc. students, 1 research associate and partial support for 3 PDFs. The network also sponsored an International Conference, Sustainable Forestry Partnerships: Forging a Network of Excellence in which several faculty and graduate students participated. The network is now moving towards developing more integrated research between the themes. As leaders of the socio economic sustainability theme, Drs. Adamowicz and Veeman are shaping the future of this research program. The department's role in the NCE illustrates its excellence in the areas of socio-economic research in issues of forestry and environmental science research.

International Projects

Human Resources Development for Sustainable Agroforestry and Environmental Conservation in Northern Thailand. D.S. Gill, Director.

This 3-year project, approved in 1994, has completed the second year of operation. This Faculty-based CIDA-funded project of institutional linkage with Maejo University, Chiangmai, Thailand involves several Rural Economy faculty members as technical advisors. During the past year two Rural Economy MSc students, Sonya Wytinck and Jeji Varghese, completed field research at Maejo University under the auspices of this program. Their projects involved, respectively, analysis of institutions and economics relating to irrigation water use (S. Wytinck), and a case study of environmental awareness, attitudes and action of the village level (J. Varghese).

Alberta/Zimbabwe Value of Trees Project

M. Veeman, U of A Director

This IDRC-funded project, which started in 1992, will continue into 1997.

Alison Goebel continued PhD thesis field research on social institutions, gender relations and power in Agroforestry in Zimbabwe and Darla Hatton MacDonald completed PhD thesis field research relating to the non-market valuation of firewood use in rural Zimbabwe. A staff exchange visit by Martin Luckert was pursued and the research proposal of U of A MSc student Pam Jagger was approved for field research in Zimbabwe.

Agroforestry Southern Africa Project

This new five year project is funded by the Canadian International Development Agency. The project is being undertaken as a collaborative effort between the University of Alberta (directed by E.C. Murray and M.K. Luckert, Department of Rural Economy) and the University of Zimbabwe (directed by B. Campbell). The objectives of the project include:

- To develop a more comprehensive knowledge base about agroforestry in the southern African region through research and the training of graduate students;
- To strengthen the human and institutional resources of the University of Zimbabwe and the University of Alberta to offer innovative and effective programs in agroforestry through curriculum reform and the provision of appropriate library materials to the University of Zimbabwe;
- To develop and evaluate carefully designed educational experiences including graduate degrees, participatory workshops, and short courses to strengthen knowledge and skills in the area of agroforestry;
- To support personnel exchanges among participating institutions to enhance participants' knowledge and skills in the area of agroforestry.

ICRAF/University of Alberta/University of Laval Project

This faculty-based project has provided opportunities for graduate student research in Agroforestry. Graduate student involvement in 1996 included the completion of research by Leslie Just on tree tenure rights of women farmers in Uganda. Jamie Hansen completed field work related to economic aspects of tenure systems in agroforestry during the year in Malawi. John Parkins completed field work, in Kenya, on the development of farmer groups for networking in farm forestry.

Publications 1996

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

- Alavalapati, J. and M.K. Luckert. 1996. "Agroforestry in India: A Case Study Investigating the Adoption of Farm and Community Forestry Practices." In: Majumdar, S. K., Millar, E.W. and F.J. Brenner (editors). *Forests: a Global Perspective*. Pennsylvania Academy of Sciences. pp. 418-434.
- Alavalapati, J., Luckert, M.K., and V. Adamowicz. 1996. Short-term Influences on Canadian Wood Pulp Prices and Exports: A Vector Autoregression Analysis. *Canadian Journal of Forest Research* 26: 566-572.
- Beckley, Thomas M. 1996. Pluralism by Default: Community Power in a Paper Mill Town. *Forest Science* 42(1):35-45.
- Boxall, P.C., W.L. Adamowicz and T. Graham-Tomasi. 1996. A Nonparametric Test of the Traditional Travel Cost Model. *Canadian Journal of Agricultural Economics* (44):183-193.
- Boxall, P. W. Adamowicz, M. Williams, J. Swait and J. Louviere. 1996. A Comparison of Stated Preference Approaches to the Measurement of Environmental Values. *Ecological Economics* (18):243-253.
- Gill, Dhara S. 1996. Reframing Agricultural Extension Education Services in Industrially Developed Countries: A Canadian Perspective. *Journal of Extension Systems*. (additional information is not available at this time).
- Gill, Dhara S. 1995. The Concept of Bread Winner in Punjabi Families in Transition in Canada. New Delhi: *Indian Journal of Canadian Studies* Volume IV, p. 30-40.
- Hatton MacDonald, D. and M.M. Veeman, "Valuing Housing Characteristics: A Case Study of Single Family Houses in Edmonton, Alberta." *Canadian Journal of Economics* XXIX Special Issue Part 2 (April 1996): S510-514.
- Luckert, M.K. and D. Haley. 1996. "Problems Governments Face in Designing Forest Tenures." In: F. Schmithuesen (editor). *Experiences with Public Forest Ownership and Joint Management Systems*. Forstwissenschaftliche Beitrage #17. ETH: Zurich. pp. 138-149.
- Mataya, C. and M. Veeman, "The Behaviour of Public and Private Investment in Malawi," *Canadian Journal of Economics*. XXIX Special Issue Part 2 (April 1996): S438-442.
- Novak, F. and J. Unterschultz. 1996. "Simple Risk Measures When Hedging Commodities Using Foreign Markets." *Journal of Futures Markets* 16(2):211-217.

Oral Presentations, Posters, Proceedings and Abstracts and Other Items

- Adamowicz, W.L. 1996. "Supply and *Mise-en-Valuer* of Rural Amenities in Canada." In *Amenities for Rural Development: Policy Examples*. OECD, Territorial Development Branch, Paris.
- Adamowicz, W. 1996. "Integrating Bio-physical and Socio-economic Research." Paper presented at the Sustainable Forestry Partnerships Conference, Edmonton, March 8-11. Pages 69-72.
- Adamowicz, W., J. Swait, P. Boxall, J. Louviere, M. Williams. 1996. Perceptions versus Objective Measures of Environmental Quality in Combined Revealed and Stated Preference Models of Environmental Valuation. Prepared for presentation at the 1996 AERE Workshop "Combining Stated Preference Data and Revealed Preference Data to Estimate the Demand for and/or Benefits from Environmental Amenities" Tahoe City, CA. June 2-4.
- Adamowicz, W., P. Boxall, M. Williams and J. Louviere. 1996. "Stated Preference Approaches for Measuring Passive Use Values: Choice Experiments versus Contingent Valuation." International Symposium on the Non-Market Benefits of Forestry. Edinburgh, Scotland. June 23-29.

- Adamowicz, W. , and T. Horbulyk. 1996. "The Role of Economic Instruments to Resolve Water Quantity Problems." Presented at the AIC annual meeting, Lethbridge, Alberta, July 8-10.
- Adamowicz, W. 1996. "Valuation of Environmental Externalities." Presented at the Neuviemes Entretiens du Centre Jacques Cartier, Mesurer et maitriser les effets externes du transport, Montreal, PQ, Oct. 1-3.
- Adamowicz, W. 1996. "Innovations in Recreation Modelling." Presented at the Canadian Water Resources Association Alberta Chapter annual meeting, Calgary, Alberta, Oct. 7.
- Adilu, S., M. Veeman, T. Veeman and W. Adamowicz. 1996. "Market Share Analysis of the World Wheat Market: Some Preliminary Results." Presented at the AIC annual meeting, Lethbridge, Alberta, July 8-10.
- Alavalapati, Janaki, "Modelling the Economy of a Tourism-Oriented Resource Dependent Region". Presented at the Department of Rural Economy, University of Alberta, Edmonton. September 30.
- Beckley, Thomas M. "Challenging the Pluralist Critique of the Reputational Method in Community Power Studies". Presented at the Department of Rural Economy, University of Alberta, Edmonton. September 19.
- Beckley, Tom, Leslie Just, Dianne Korber, Eloise Murray and Audrey Sprenger. 1996. "Understanding Forest-Dependent Communities in Canada: An Overview of Research in Progress". Presented at the Department of Rural Economy, University of Alberta, Edmonton. October 30.
- Brooks, Harvey. 1996. "The Challenges and Opportunities of a Dual Marketing System." Presented at Alberta Institute of Agrologists Regional Meeting, Wetaskiwin. October 14.
- Brooks, Harvey. 1996. "Farm Security and International Food Trade." Presented at National Farmers Union Annual Conference, Saskatoon, Saskatchewan, December 7.
- Chen, K.Z. 1996. "Precautionary Saving and Agricultural Policy." Invited paper presented at the Agricultural Risk Protection Symposia organized by USDA, American Association of Agricultural Economists Annual meeting, San Antonio, Texas, July 29-August 1.
- Chen, K.Z. and K. Meilke. 1996. "A Reevaluation of Canada's Safety Net Programs for Agriculture." Invited paper presented at the Canadian Agricultural Economics and Farm Management Society (CAEFMS) Annual Meeting, Lethbridge, July 8-10.
- Chen, K.Z. and A. Weersink. 1996. "Income Risk Sharing and Off-farm Labor Supply." Selected paper presented at the American Association of Agricultural Economics (AAEA) Annual Meeting, San Antonio, Texas, July 29-August 1.
- Dore, Dale and M.K. Luckert. 1996. "Economics of Subsistence Livestock Production in Highly Variable Environments." Invited paper to Advisory Committee of Eastern African Network for Ecological Economics. Capetown, South Africa, November.
- Dunlevy, Kevin and Mel Lerohl. 1996. An Examination into British Columbia Market Opportunities for Alberta Table Potatoes. Research Report for Potato Growers of Alberta. Pp. 29+iii.
- Gill, Dhara S. 1996. A Select International Bibliography of Agricultural Extension Education. Department of Rural Economy, Unpublished paper. 42 p.
- Gill, Dhara S. 1996. "Reframing Agricultural Extension Education Services in Industrially Developed Countries: A Canadian Perspective." Paper presented at the 9th World Congress of Comparative and International Education, Sydney, Australia July 1-6, 1996.
- Hailu, A., and W. Adamowicz. 1996. "A Multidimensional Discrete Choice contingent Valuation Study of Passive Use Values." Presented at the AIC annual meeting, Lethbridge, Alberta, July 8-10.

- Hansen, Jamie. 1996. "The Potential for Intensifying Traditional Agroforestry Technologies under Evolving Customary Land and Tree Tenure Systems in Malawi: A Case Study of Matapila and Namlera Villages." Invited presentations: Matapila Village, May; Namlera Village, May; Bunda College of Agriculture, June; ICRAF Headquarters, Nairobi, June.
- Hatton, MacDonald. 1996. "Valuing Fuelwood in Rural Zimbabwe: A Travel Cost Approach". Invited presentation: Value of Trees Workshop. September.
- Janzen, R.A., S.R. Jeffrey, J.J. Leonard and W.B. McGill. 1996. "Manure as a Value Added Product." Paper presented at the 33rd Annual Alberta Soil Science Workshop. Edmonton, Alberta. February.
- Jeffrey, S.R. 1996. "Alberta Costs of Production Provide Room for Profit and Improvement?" Presentation at the 1996 Western Canadian Dairy Seminar. Red Deer, Alberta. March.
- Jeffrey, S.R. and T.J. Richards. 1996. "Factors Influencing Costs of Milk Production in Alberta." In *Advances in Dairy Technology*, Volume 8 (J.J. Kennelly, editor). Proceedings of the 1996 Western Canadian Dairy Seminar. Edmonton, Alberta, Department of Agricultural, Food and Nutritional Sciences, University of Alberta 333-47.
- Korber, Dianne. 1996. "Forest Dependence in Aboriginal Communities in the Northern Prairie Provinces". Invited presentation: Integrated Resource Management Applications and Opportunities. Saskatoon, Saskatchewan, March.
- Korber, Dianne. 1996. "Research on Forest Dependent Communities." Invited presentation to the Department of Rural Economy. October.
- Kuperis, P.A. 1996. "Milk Consumers' Responses to the Use of Bovine Somatotrophin (BST) in Milk Production." Presented at the Department of Rural Economy, Edmonton. November.
- Kuperis, P, W. Adamowicz and M. Veeman. 1996. "The Demand for Food Safety: An Empirical Analysis of Preference for Pesticide and Hormone Regulation by Alberta Consumers." Presented at the AIC annual meeting, Lethbridge, Alberta, July 8-10.
- Laplante, B., Luckert, M., P. Kennedy and W. Adamowicz,. 1996. "Le cout de la gestion des dechats." Presented at STOPER - Sherbrooke University, Sherbrooke, PQ. Sept. 27.
- Lerohl, M.L. 1996. Short and Intermediate Term Effects on Alberta Beef Producers of Canada-US-Mexico Freer Trade. Final Report AARI Project #920191. Pp. 16+ii.
- Luckert, M., B. Laplante, P. Kennedy and W. Adamowicz. 1996. "What Can Economic Instruments for Solid Waste Management Do to Us or For Us?" Waste Reduction 96, Portage la Prairie, Man. April 26/27.
- Luckert, M.K. 1996. "Towards a Tenure Policy Framework for Sustainable Forest Management." In: Sustainable Forestry Partnerships: Forging a Network of Excellence. Conference Summaries. pp.109-113.
- Luckert, M.K. 1996. "Property Rights as Economic Instruments for Natural Resource Policy". Invited presentation to a class of M.Sc. geography students, University of Zimbabwe, Harare, June.
- Luckert, M.K. 1996. "Economic Analysis of Ecologically Based Mixedwood Silviculture at the Stand and Forest Level". Invited presentation to the Forest Research Technical Committee, Province of Alberta. March.
- Luckert, M.K. 1996. "Towards a Tenure Policy Framework for Sustainable Forest Management". Invited paper presented at the Conference: Sustainable Forestry Partnerships: Forging a Network of Excellence. Edmonton, Alberta, March 8-10.
- Novak, F. and S. Jeffrey. 1996. "A Comparison of Alternative Stabilization Programs: A Firm-Level Simulation Analysis." Canadian Agricultural Economics and Farm Management Society, Annual Meetings. Lethbridge, Alberta, July 8-10.

- Novak, F. 1996. "Risk Management in The Hog Industry". Alberta Agricultural Economics Association, Annual Meeting. Red Deer, Alberta.
- Novak, F. and B. Viney. 1996. Abstract: "Risk Management in The Cattle Industry." Proceedings, 1996 Beef Congress.
- Richards, T.J. and S.R. Jeffrey. 1996. "Establishing Indices of Genetic Merit Using Hedonic Pricing: An Application to Dairy Bulls in Alberta." Presentation at the 1996 Western Canadian Dairy Seminar. Red Deer, Alberta. March.
- Richards, T.J. and S.R. Jeffrey. 1996. "Establishing Indices of Genetic Merit Using Hedonic Pricing: An Application to Dairy Bulls in Alberta." In *Advances in Dairy Technology*, Volume 8 (J.J. Kennelly, editor). Proceedings of the 1996 Western Canadian Dairy Seminar. Edmonton, Alberta, Department of Agricultural, Food and Nutritional Sciences, University of Alberta. 315-31.
- Swait, J. and W. Adamowicz. 1996. "The Effect of Choice Complexity on Random Utility Models: An Application to Combined Stated and Revealed Preference Models." Prepared for presentation at the 1996 AERE Workshop. Combining Stated Preference Data and Revealed Preference Data to Estimate the Demand for and/or Benefits from Environmental Amenities. Tahoe City, CA June 2-4. Also presented at the Canadian Resource and Environmental Economics meetings, Montreal, PQ, Oct 4-5. Also presented at the Department of Marketing Seminar Series, University of Florida, Gainesville, FL. Nov. 1.
- Unterschultz, J., R. Kim, K. Quagraine and M. Veeman. 1996. International Commodity Marketing: South Korean Perceptions of Canadian, U.S. and Australian Beef. 1996. Selected paper, presented by J. Unterschultz. (45 people). Published in *Proceedings of NEC-63 Agricultural Commodity Promotion Policies and Programs in the Global Agri-Food System*. (May-26 in Cancun, Mexico):201-226. Edited by J. L. Ferrero, K. Z. Ackerman and J. P. Nichols.
- Unterschultz, J., K. Quagraine, M. Veeman and R. Kim. 1996. "A Stated Preference Analysis of International Commodity Marketing: South Korean Meat Buyers Perceptions of Canadian Beef, US beef and Australian Beef." Presented by J. Unterschultz at the AIC/CAEFMS Annual Meeting, Lethbridge, Alberta, July 8-10.
- Unterschultz, J., F. Novak, G. Mumeay and S. Beveridge. 1996. "Measuring Sources of Short Term Slaughter Cattle Price Risk In Western Canada". 30 p.
- Unterschultz, J., F. Novak, G. Mumeay and S. Beveridge. 1996. Abstract: "Measuring Sources of Short term Cattle Price Risk in Western Canada." Proceedings, 1996 Beef Congress.
- Veeman, Michele and Robert Saint Louis. 1996. "US-Canadian Dairy Trade Tensions: The Nature and Effects on Canadian Dairy Policy." Invited paper presented at Workshop on US/Canadian Dairy Trade Tensions, Clearwater, Feb. 29-March 2.
- Veeman, Michele. 1996. "Implementing Freer International Trade: The US/Canada Paper," Invited presentation at North American Forum on the World Food Summit, Michigan State University, June 24-25.
- Veeman, Michele. 1996. Invited discussant for paper by A. Rugman, "Modelling Trade and Foreign Production in Processed Foods." Conference on Global markets for Processed Foods: Theoretical and Practical Issues. Conference sponsored by International Agricultural Trade Research Consortium and the Retail Food Industry Center, Minneapolis, June 28-29.
- Veeman, M., B. Mukamura, A. Mandando, E. Murray and M. Luckert. 1996. "The IDRC Value of Trees Project: An Overview and Synthesis". Invited presentation to IDRC. Ottawa, November.
- Veeman, T.S. and H. Salami. 1996 "The General Dynamic Model as a Framework of Specification of an Empirical Model in Studying Production Structure in Agriculture: The Case of Iranian crop Production." Contributed paper presented at the Annual Meeting of the Canadian Agricultural Economics and Farm Management Society, Lethbridge, Alberta, July 8-10.

- Viney, B. and F. Novak. 1996. "Risk Management in The Cattle Industry." Presented to Alberta Agricultural Economics Association, Annual Meeting, Red Deer, Alberta.
- Xu, X. and W. Adamowicz. 1996. "Assessing the Transferability of Stated Preference Environmental Valuation Models." Presented at the AIC annual meeting, Lethbridge, Alberta, July 8-10.
- Xu, X. and S.R. Jeffrey. 1996. "Economic Efficiency and Technical Progress in Chinese Agriculture." Selected Paper presented at the International Conference on Rural Economic Development. Nanjing, China. October.
- Yue, Z. and K. Chen. 1996. "The Determinants of Milk Production Quota Value: Time-series Evidence from Ontario." Selected Poster Paper at the European Congress of Agricultural Economists, Edinburgh, September 3-7.

Staff Papers and Project Reports

- Chen, K.Z. 1996. *The Symmetry Problem in the Linear AIDS: Further Results*. Staff Paper 96-16. Department of Rural Economy, University of Alberta, Edmonton. 16 p.
- Chen, K.Z. and K. Meilke. 1996. *The Simple Analytics of Transferable Production Quota: Implications for the Marginal Cost of Ontario Milk Production*. Staff Paper 96-17. Department of Rural Economy, University of Alberta, Edmonton. 24 p.
- Chen, K.Z., K. Meilke, and C. Turvey. 1996. *A Theory of Prudent Farm Household*. Working Paper 96-02. Department of Agricultural Economics and Business, University of Guelph, Guelph. 30 p.
- Chen, K.Z., K. D. Meilke, and C. Turvey. 1996. *The Economics of Generic Income Stabilization Schemes*. Working Paper 96-03. Department of Agricultural Economics and Business, University of Guelph, Guelph. 36 p.
- Deans, Mae, Dhara S. Gill and L. Peter Apedaile. 1996. *The Social Networks of Rural Business Owners in East Central Alberta*. Project Report 96-02. Department of Rural Economy, University of Alberta, Edmonton. 49 p.
- Dosman, D., Adamowicz, W. Laplante, B. and M.K. Luckert. 1996. *Waste Management Legislation in Canada*. Staff Paper 96-12. Department of Rural Economy, University of Alberta, Edmonton. 30 p.
- Gill, Dhara S. 1996. *Reframing Agricultural Extension Education Services in Industrially Developed Countries: A Canadian Perspective*. Staff Paper 96-10. Department of Rural Economy, University of Alberta, Edmonton. 28 p.
- Goebel, Allison. 1996. *Process, Perception and Power: Notes from "Participatory" Research in a Zimbabwean Resettlement Area*. Staff Paper 96-18. Department of Rural Economy, University of Alberta, Edmonton. 34 p.
- Just, Lesley and Eloise Murray. 1996. *Women and Agroforestry: A Human Ecology Approach to Understanding the Needs and Priorities of Women Farmers in Africa*. Staff Paper 96-20. Department of Rural Economy, University of Alberta, Edmonton. 50 p.
- Kim, Renee Bo young, James R. Unterschultz, Michele Veeman and Paul Jelen. 1996. *Analysis of the Korean Beef Market: A Study of Hotel Buyers' Perspectives of Beef Imports from Three Major Sources. Part I*. Staff Paper 96-07. Department of Rural Economy, University of Alberta, Edmonton. 55 p.
- Kim, Renee Bo young, James Unterschultz and Michele Veeman. 1996. *Analysis of the Korean Beef Market: A Study of Hotel Buyers' Perspectives of Beef Imports from Three Major Sources. Part II*. Staff Paper 96-08. Department of Rural Economy, University of Alberta, Edmonton. 20 p.
- Kuperis, P. W. Adamowicz, M. Veeman and S. Hrudehy. 1996. *The Demand for Food Safety: An Empirical Analysis of Preferences for Pesticide and Hormone Regulation by Alberta Consumers*. Staff Paper 96-05. Department of Rural Economy, University of Alberta, Edmonton. 19 p.

- Luckert, M.K. 1996. *Welfare Implications of the Allowable Cut Effect in the Context of Sustained Yield and Sustainable Development Forestry*. Staff Paper 96-03. Department of Rural Economy, University of Alberta, Edmonton. 16p.
- Mumey, Glen and James Unterschultz. 1996. *Risk Premia in Tractor and Combine Investments*. Staff Paper 96-06. Department of Rural Economy, University of Alberta, Edmonton. 14 p.
- Richards, T.J. and S.R. Jeffrey. 1996. *Cost and Efficiency in Alberta Dairy Production*. Staff Paper 96-13. Department of Rural Economy. 32 p.
- Rush, B.C., W.E. Phillips and W.L. Adamowicz. 1996. *The Economic Value of Wildlife in Alberta: A Database and Analysis of Benefit and Expenditure Estimates*. Project Report 96-01. Department of Rural Economy, University of Alberta, Edmonton. 54 p. plus technical appendix.
- Swait, J., and W. Adamowicz. 1996. *The Effect of Choice Environment and Task Demands on Consumer Behavior: Discriminating Between Contribution and Confusion*. Staff Paper 96-09. Department of Rural Economy, University of Alberta, Edmonton. 36 p.
- Unterschultz, James R. and Glen Mumey. 1996. *Reducing Investment Risk in Tractors and Combines with Improved Terminal Asset Value Forecasts*. Staff Paper 96-02. Department of Rural Economy, University of Alberta, Edmonton. 35 p.
- Unterschultz, James R. and Kwamena Quagraine. 1996. *Investment Analysis of Agri-Food Ventures: What Risk Premia are Appropriate? The Silence of the Literature*. Staff Paper 96-01. Department of Rural Economy, University of Alberta, Edmonton. 11 p.
- Unterschultz, James, Kwamena Quagraine and Michele Veeman. 1996. *Consumer Preferences for Biopreservatives in Beef and Pork Packaging and Testing the Importance of Product Origin*. Project Report 96-03. Department of Rural Economy, University of Alberta, Edmonton. AARI Project No. 94L601. 59 p. + appendices.
- Unterschultz, James, Kwamena Quagraine and Michel Vincent. 1996. *Evaluating Québec's Preference for Alberta Beef*. Staff Paper 96-14. Department of Rural Economy, University of Alberta, Edmonton. 28 p.
- Unterschultz, James, Kwamena K. Quagraine, Michele Veeman and Renee B. Kim. 1996. *A Stated Preference Analysis of International Commodity Marketing: South Korean Hotel Meat Buyers' Perceptions of Canadian Beef, US Beef and Australian Beef*. Staff Paper 96-11. Department of Rural Economy, University of Alberta, Edmonton. 28 p.
- Vincent, Michel, Jim Unterschultz, Mick Price and Mel Lerohl. 1996. *Evaluating the Québec Beef Market: An Alberta Perspective*. Staff Paper 96-15. Department of Rural Economy, University of Alberta, Edmonton. 64 p.
- Watson, Leslie, Eloise C. Murray and Lesley Just. 1996. *Gender and the Value of Trees in Mutoko Communal Area, Zimbabwe*. Staff Paper 96-19. Department of Rural Economy, University of Alberta, Edmonton. 22 p.
- Xu, Xiaosong and Michele Veeman. 1996. *Model Choice and Structural Specification for Canadian Meat Consumption*. Staff Paper 96-04. Department of Rural Economy, University of Alberta, Edmonton. 17 p.

Research Projects Completed January 1 - December 31, 1996

- Adamowicz, W.L. and P.M. Boothe. "Environmental/Economics Study Group." Funded by Alberta Environment.
- Adamowicz, W.L. and W.E. Phillips. "Study to Derive a Framework for the Evaluation of Non-Timber Values in the Context of Timber Production With Specific Reference to Wildlife Concerns." Funded by Forestry Canada.
- Apedaile, L.P. "Alberta Agriculture, Food and Rural Development." Funded by Alberta Agriculture, Food and Rural Development.

- Apedaile, L.P. "New Tradeables, Rural Alliances, and Liberalizing Trade: A Prairie Rural Development Strategy." Funded by Association of Alberta Municipalities and Counties and Human Resources Development Canada.
- Apedaile, L.P. and S. Schilizzi. "Application of Theories of Complex Dynamical Systems to Micro, Meso and Macro Linkages in Rural Economies." Unfunded.
- Apedaile, L.P., S. Zhu and B. Calkins. "Structural Change in Agriculture and Transitions in Economic Governances in China, Taiwan and Canada." Unfunded.
- Beckley, T. "Co-management and Controversy in Northwest Saskatchewan's Forest." Funded by Canadian Forest Service.
- Beckley, T. and P. Boxall. "Stakeholder Values." Funded by Manitoba Model Forest.
- Gill, D.S. and G. Buchanan. "Economic Development Activities and Strategies: A Comparative Analysis of Northeastern Alberta Communities." Unfunded.
- Gill, D.S. and M. Deans. "Tradable Firms in Rural Communities: Employer and Employee Participation in Organizations and Social Networks." Funded by Human Resources Development Canada.
- Gill, D.S., A.M. Moreno and R. Keenan. "Participatory Policies in Land Tenure Reform: A Comparative Analysis of Nicaragua and El Salvador." Unfunded.
- Jeffrey, S.R. "Demand for Forages in Western Canada." Funded by the University of Manitoba, Faculty of Agriculture.
- Jeffrey, S.R. "An Evaluation of Manure Compaction for Alberta Livestock Operations." (Interdisciplinary with AFNS and Renewable Resources). Funded by Canada-Alberta Environmentally Sustainable Agriculture (CAESA) Program and Alberta Agricultural Research Institute.
- Luckert, M.K. "Efficiency Implications of Separating Ownership from Management on Canadian Forest Lands." Unfunded.
- Luckert, M.K. and D. Haley. "Problems Governments Face When Designing Forest Tenures." Unfunded.
- Phillips, W.E. and W.L. Adamowicz. "Value of Wildlife in Alberta." Funded by Alberta Environmental Protection, Fish and Wildlife Services.
- Unterschultz, J.R. "Marketing of Value-Added Agricultural and Food Products." Funded by Alberta Agricultural Research Institute.
- Unterschultz, J.R. and M.M. Veeman. "Meat Demand Attributes for Packaging and Origin." Funded by Alberta Agriculture Research Institute.
- Veeman, M.M. "Dairy Demand Analysis." Funded by Alberta Agriculture Research Institute Matching Grant Program. Matching Funds from Agriculture Canada.
- Veeman, M.M. and J.R. Unterschultz. "Canadian Beef Demand in Korea." Funded by Federal-Provincial Market Development Council.

Research in Progress as of December 31, 1996

- Adamowicz, W.L. "Development of a Survey Instrument and Choice Experiment for Evaluating Non-Timber Values and Community Preferences for Forest Resources." Funded by Canadian Forest Service.
- Adamowicz, W.L. "Household Bargaining Models and Choices Under Risk." Funded by Endowment for the Future Fund.
- Adamowicz, W.L. "Modeling Non-timber Benefits via Benefits Transfers." Funded by Network of Centres of Excellence

on Sustainable Forest Management.

Adamowicz, W., T. Beckley, 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.

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

Beckley, T.M. "Forest Sociology." Funded by Canadian Forest Service.

Beckley, T.M. "Lower Liard Valley Forest Use Survey." Funded by Canadian Forest Service.

Beckley, T and M. Luckert. "Social, Cultural and Political Dimensions of Forest-Dependence in the Communities of the Lower Winnipeg Basin." Funded by the Rural Development Institute and Canadian Forest Service.

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.

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

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.

Chen, K. "Price Margin." Funded by EFF-SAS.

Gill, D.S. "A Select International Bibliography of Agriculture Extension Education." Unfunded.

Gill, D.S. "Thailand Human Resources Agroforestry Project." Funded by CIDA.

Jeffrey, S.R. and K.Z. Chen. "Trade Liberalization and Dairy Processing." Funded by Alberta Agricultural Research Institute.

Jeffrey, S.R. and K.Z. Chen. "Trade Liberalization and Dairy Processing." Funded by Agriculture Canada.

Jeffrey, S.R. and M.D. Faminow. "The Use of Nearly Optimal Linear Programming in Management Decision Making." Unfunded.

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., 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. "Economics of Grazing." IDRC.

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

Luckert, M.K. and T.S. Veeman. "Sustainable Forest Management." Funded by Network of Centres of Excellence on Sustainable Forest Management.

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.

Morgan, J., G.W. Lamble and D.S. Gill. "Alberta Rural and Agricultural Leadership Research." Funded by Alberta Agriculture.

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

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

Novak, F.S. "Risk Management Strategies for Hog Producers." University of Alberta Swine Research Endowment Trust.

Novak, F.S. and S. Jeffrey. "Economic Analysis of NISA." Funded by Social Science and Humanities Research Council.

Novak, F.S. and S. Jeffrey. "Alternative Farm Stabilization." Funded by Alberta Agricultural Research Institute.

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.

Smith, E. and M. Lerohl. "Value of Soil Quality Attributes." Funded by Alberta Agricultural Research Institute.

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

Unterschultz, J. and F. Novak. "Flexible Pricing Alternatives in Wheat." Funded by Alberta Agricultural Research Institute and Canadian Wheat Board.

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. "Economic Impacts of Supply Management." Unfunded.

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

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

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.

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.

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., 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.