



Speaker Profiles

Guy Baudry is the Director of Westman Operations with Elite Swine Inc. An agrologist with a background in agricultural economics, he maintains a keen interest in community development and has been active in the Manitoba Institute of Agrology (MIA), 4-H, several producer organizations, economic development boards and agricultural committees. Prior to joining Elite Swine, Guy managed an Agricultural Banking Centre for the Royal Bank of Canada in Brandon, MB.



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Dennis Brown is the Director of Headquarters, Regional Operations for Manitoba Conservation. He chaired the regulation review committee that developed the *Livestock Manure and Mortalities Management Regulation* in 1998 and was instrumental in developing the Environment Livestock Team concept for the department. As a former Director of Eastern-Interlake Region, the location of 60 per cent of the livestock operations in the province, he was responsible for all inspection, compliance and enforcement.



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Wayne Caldwell is one of Canada's foremost speakers and authors on the future of rural communities including: planning, community development, agricultural land preservation, siting livestock facilities, rural land use, and the environment. His primary focus has been in dealing with issues of change in rural and agricultural communities. He holds a joint appointment between the University of Guelph School of Rural Planning and Development (Associate Professor), and the County of Huron Department of Planning and Development (Senior Planner). Wayne is a founding member and current Chair of the Ontario Rural Council, a founding member of the Huron Stewardship Council and the Lake Huron Centre for Coastal Conservation, and an active member of the Canadian Institute of Planners.



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Ying Chen, Assistant Professor in the Department Biosystems Engineering at the University of Manitoba, focuses her research on manure management – from the best approaches to reaping the nutrients contained in livestock manure to techniques for reducing odour emissions from land application of liquid manure. Her background in mechanical engineering lends itself to equipment design and includes the development of operation guidelines for manure-application implements. Many of her projects are carried out as on-farm tests in co-operation with livestock operators, crop producers and PAMI.



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Scott Day is currently the Ag Rep for Manitoba Agriculture and Food in the Boissevain/Deloraine Agriculture District. He is also actively involved in the family farm – Treelane Farms – a 1400-acre farm that also includes a finishing hog operation. Scott was the 1999 Canadian Zero-till Farmer of the Year.



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Brian English is an extension agricultural engineer with Manitoba Agriculture and Food and works out of the Brandon regional office. Some of the important tasks that he is charged with include provincial representation on the Canada Plan Service, the regional Technical Review Committee for Livestock Operations and the Agricultural Guidelines Working Advisory Service. He is the author of numerous factsheets and plans for livestock housing structures and manure/runoff handling facilities.



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Les Fuller is an Associate Professor and soil scientist in the Department of Renewable Resources at the University of Alberta. Currently he is Chair of Environmentally Sustainable Agriculture. He is interested in the influence of landscape variability (soil and water) on use-efficiency and fate of agricultural chemicals in agricultural landscapes. Les's research also involves the development of innovative cropping systems based on ecological principles.



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David Green is a water-quality expert with the Water Quality Management Section of Manitoba Conservation. Over the past 10 years, he has been involved in a variety of projects and issues including: assessment of metals and mercury residues in fish tissue, the nutrient enrichment of lakes and streams, and mining impacts. In the past few years, he has also become involved in dealing with issues in the livestock sector.



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Doug Jackson is actively involved in the development of Manitoba's *Farm Practices Guidelines* and the *Livestock Manure Mortalities Management Regulation*. An agricultural engineer with Manitoba Agriculture and Food, he is also a member of the tri-provincial committee investigating standards for site characterization and manure storage for the three Prairie Provinces – and is the provincial representative for the Canada Plan Service for swine facilities.



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George Johnson is the Project Manager for the Minnesota Environmental Quality Board in charge of a three-year, \$3 million project looking at the social, economic, environmental and public health impacts of animal agriculture in Minnesota and surrounding regions.



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Réjean Landry, with a background in economics and political science, has been involved in a study that looked at the opinions of Manitoba rural residents on environmental quality and livestock operations. A founding member of an internationally recognized public policy team, he is currently assessing the impact of intensive agriculture on the ecosystem of a region in eastern Canada. A member of the Department of Political Science at Laval University, he is a Canadian Health Services Research Foundation Chair studying the distribution and uptake of information within health services.



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Ron Lewis is a Regional Data Analyst for Manitoba with PFRA. He is directly responsible for the geographic information system (GIS) related activities in the Manitoba Region, as well as jointly coordinating GIS activities with other PFRA staff across the Prairies. Over the last 10 years, he has been involved with many different projects such as the Western Grains Transportation Payment Program (WGTPP), Livestock

Decision Support, Irrigation Expansion, Agricultural/ Engineering applications of Electromagnetic (EM) Surveys, and working with the Canadian Food Inspection Agency (CFIA) with animal disease outbreak scenarios. He is a graduate of the University of Saskatchewan, with a Bachelor of Science in Physical Geography, specializing in the areas of GIS, Remote Sensing, and Cartography.

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Owen McAuley is actively involved in his family farm – Double M Farms – a 6000-acre farm that also includes a cow-calf and feeder cattle operation. Currently he serves as Chair of the Western Agri-Food Institute and is on the Board of Directors for the Manitoba Rural Adaptation Council (MRAC). A municipal councillor for 11 years, Owen has served on a number of boards, including PFRA’s Prairie Agricultural Landscape Project, the Manitoba Farm Mediation Board, the Farmland Ownership Board, the Producer Payment Panel, the Western Grain Marketing Panel and KAP. He was Manitoba Farmer of the Year in 1991.

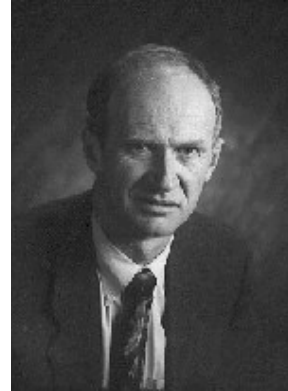


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Rebecca McMillan, graduate student in the Department of Civil and Geological Engineering at the University of Manitoba, is focusing her studies in geotechnical engineering, with a special emphasis on Hydrogeology. She has received both a provincial and national award from the Canadian Geotechnical Society for a project investigating seepage from earthen animal manure storages.

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John Morriss is publisher and editor of the *Manitoba Co-operator*, a weekly newspaper for farmers in Manitoba. From 1982 to 1989, he was Director of the Canadian Wheat Board's Information Department. A former freelance agricultural writer and field editor of *Grainews*, John has been involved in the grain business since 1975 when he was responsible for a traveling information display for the (Justice Emmett) Hall commission on grain handling in transportation.



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Merle Olson is a veterinarian, and Adjunct Associate Professor and researcher in the Faculty of Medicine at the University of Calgary. His interests are focussed in the areas of infectious disease and animal health research. Much of his work has involved antibiotic resistance, transmission of resistance, and the transmission of disease from animals to humans.



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Gary Plohman is the Environment Engineer with Elite Swine Inc., where he is responsible for site assessment, environmental monitoring and manure management. In 1994, as an agricultural engineer with Manitoba Agriculture, he was on the committee that developed the Guidelines for Hog Production in Manitoba. During his time with Manitoba Agriculture, Gary worked with municipal councils in the establishment of livestock-siting bylaws.

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Jeff Price has combined a background in civil engineering and city planning into his role as a municipal councillor for the Manitoba RM of St. Francois Xavier. He has been involved in discussion with hog producers, consideration of municipal zoning requirements for livestock in council, and the approval of a conditional-use request for expansion of an existing livestock operation within the municipality. Jeff also made a presentation on behalf of the RM to the livestock sustainability panel in 2000.



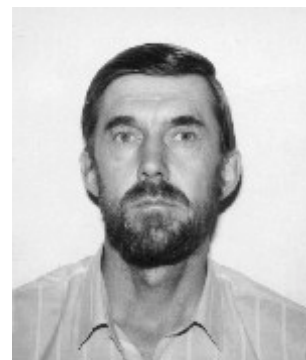
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Geza Racz, a soil scientist, Professor and former Head of the Department of Soil Science at the University of Manitoba, specializes in the reactions and fate of nutrients and other elements in the soil – and their effects on land productivity, and soil and food quality. His interests also include landspreading of biosolids; the effect of soil type and management on heavy metal uptake by plants; fate of nitrogen and phosphorus in soil beneath a feedlot; and efficacy of nitrogen, phosphorus and minor element fertilizers.



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Eric Rempel is Manager for Fiveway Pumping, a producer-owned manure-management company in southeastern Manitoba. In 2000, the company applied 71 million gallons of manure to agricultural land. Eric, who has recently returned from a five-week assignment in Ethiopia, has a background in agricultural economics.



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Régis Simard, a soil scientist, has worked extensively on developing techniques for evaluating soils fertility. Formerly with Agriculture and Agri-Food Canada and a lecturer at McGill University his interest in the long-term impacts of agricultural practices on soil and water quality. he maintains strong ties with both colleagues and the private sector in the areas of agronomy, weed science and environmental chemistry. Currently he is Professor and Department Head of Soil Science.



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Tim Sopuck is the Manager of Operations for the Manitoba Habitat Heritage Corporation. He has been actively involved on the Green Banks Program, a riparian habitat-enhancement initiative that helps cattle producers adopt more environmentally friendly grazing and watering practices. Formerly with Ducks Unlimited, he has spent the last 20 years working on habitat conservation – with experiences ranging from fieldwork and landowner liaison to the development of communication and extension strategies and products.



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Ed Tyrchniewicz was appointed Chair of the Livestock Stewardship Panel by the provincial government to review sustainable livestock development in Manitoba – the Panel report was released in January 2001. He is currently an Adjunct Professor in the Department of Agricultural Economics at the University of Manitoba. Previous activities include: Senior Fellow at the International Institute for Sustainable Development, Dean of the Faculty of Agriculture and Forestry at the University of Alberta, and founding Director of the Transport Institute at the University of Manitoba. He is theoretically retired.



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Susanna Von Essen is an Associate Professor of Internal Medicine at the University of Nebraska Medical Center, where the focus of her research is health problems secondary to work in production agriculture – particularly hog confinement and grain handling. Her background as a medical doctor, with additional training in the field of public health, has resulted in her association with numerous groups including: University of Iowa Institute for Rural and Environmental Health, American Lung Association, Nebraska Rural Health Association, National Institute for Farm Safety, and the Nebraska Governor's Advisory Board on Public Water Supply.



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Gary Wasykowski is Reeve of the Rural Municipality of Armstrong, a position he has held since 1992. In addition, he serves as the Interlake representative on the Board of the Association of Manitoba Municipalities. A member of the Agriculture Guidelines Development Committee and a board member of the Manitoba Livestock Manure Management Initiative, he is also past president of the Interlake Development Corporation. For the past 22 years, Garry and family have run a beef cattle operation in the Fraserwood/Narcisse area.



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Qiang (Chong) Zhang is Professor and Head of the Department of Biosystems Engineering at the University of Manitoba, with a background in agricultural and mechanical engineering. For the past five years, his work has been related to emissions and dispersion of odour from livestock operations and includes the development of the "olfactometer" – one of the newest techniques for measuring odour. Other interests include animal production environments, and the design and analysis of grain storage systems.



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