

Predrag Rajsic
Kitchener, Ontario, N2B 2M8
Phone: 519-497-7360
e-mail: prajsic@uwaterloo.ca

PERSONAL PROFILE

Citizenship

- Canadian

Education

- PhD, Food, Agricultural and Resource Economics, University of Guelph (2007 – 2012)
- MSc, Agricultural Economics, University of Guelph (2005 – 2007)
- BSc, Agricultural Economics, University of Guelph (2002 – 2005)
- BSc, Forestry, University of Belgrade (1997 - 2001) – partially completed.

RELEVANT PROFESSIONAL EXPERIENCE

Summary of Teaching and Research Experience

- **Years of teaching experience**
 - Full time (as a sessional instructor): since 2015
 - Part time (as a graduate student): since 2012
- **Courses**
 - 1st year: Microeconomics, Economics of the Agri-Food System
 - 2nd year: Microeconomics, Mathematics for Economics, Resource Economics
 - 3rd year: Cost-Benefit Analysis, Operations Management, Environmental Economics, Business Finance 1 & 2
 - 4th year: Environmental Law and Regulations, Land Economics
- **Teaching innovations**
 - Class debates, roleplaying, online learning, critical reading
- **Teaching philosophy:** Economics has real and deep implications for our everyday lives, and my job is not only to teach students the necessary economic tools, but also to show them why I care about economics.
- **Evidence of teaching excellence**
 - Average teaching evaluation score (University of Waterloo)

	Since 2015	2020
<i>Instructor Overall</i>	4.43	4.54
<i>Course Overall</i>	4.10	4.21
<i>Overall Score (Q1 - Q9) Average</i>	4.30	4.37

- **Research Interests**
 - Economic policy
 - Environmental and resource economics
 - Production economics
 - Methodologies of economics
 - Economic history
- **Current research activities**
 - Contract consulting
- **Past research positions**
 - Postdoctoral Fellow
 - Research associate
- **Evidence of research quality**
 - 9 peer-reviewed papers published
 - 2 book chapters
 - 1 paper accepted for publication
 - 2 manuscripts in preparation
 - an active track record of conference papers
- **Research service**
 - Reviewer for
 - Agricultural Economics
 - Canadian Journal of Agricultural Economics
 - Energy Policy
 - Acta Agriculturae Scandinavica
 - Sustainability
 - African Journal of Agricultural Research, European Journal of Law and Economics) and conferences
 - Book review editor for the *Journal of Prices and Markets*

Descriptions of Teaching Positions

Definite Term Lecturer

September 2021 - Present

Sessional Instructor (University of Waterloo)

January 2015 – September 2021

- Courses taught or currently teaching:
 - first- and second-year Microeconomics (ECON 101, ECON 201), Business Finance (ECON 371 and ECON 372), Mathematics for economics (ECON 211), Environmental Economics (ECON 357), and first-year Personal Finance (MGMT 171)
- Designed lectures, online quizzes, midterms and final exams
- Effectively managed three or four sections per semester
- Experience with small (15 - 20 students) and large classes (up to 600 students)
- Focused on developing a unique, engaging teaching style

Sessional Instructor (University of Guelph)

January 2018 – May 2018

- Course: FARE*1400—first year Economics of the Agri-Food System
- Class size: 180
- Supervised three teaching assistants

September 2017 – December 2017

- Course: FARE*4290—fourth year Land Economics
- Class size: 18
- Class organized as a combination of lectures, student debates and presentations, and guest lectures

September 2016 – December 2016

- Course: FARE*2700—second year Resource Economics
- Class size: 240
- Supervised three teaching assistants
- Introduced new teaching tool: online review quizzes

January 2016 – May 2016

- Course: FARE*3310—third year Operations Management
- Delivered lectures, supervised four teaching assistants and advised another sessional instructor

- Class sizes: 375

August 2012 – January 2013; August 2013 – January 2014; August 2014 – January 2015; August 2015 – January 2016

- Course: FARE*4300—fourth year Environmental Law
 - Designed lectures, labs, assignments and the final exam
 - Three-hour lectures, once a week for 70 to 115 students and four lab sections (with two teaching assistants)
 - Discussion and debate based class
 - Objectives: development of critical thinking skills and functional understanding of law as a social institution

January 2011 – May 2011

- Course: FARE*3170—third year Cost-Benefit Analysis
 - Independently designed lectures (two 90-minute lectures per week for 35 – 40 students), three assignments, a group term paper and presentation, midterm and final exam
 - Performed all teaching and grading activities (no teaching assistants)

Graduate Math Camp Instructor: September 2010

- A two-week-long, half-day preparatory course in mathematics for the entering graduate students
 - Three-hour lectures for 15 master’s and PhD students
 - Prepared the course plan, lecture material and assignments based on Alpha Chiang’s *Fundamental Methods of Mathematical Economics*
 - The purpose of the course: review the fundamental concepts and identify potential areas of special concern

Descriptions of Research Positions

Research Associate:

January 2021 – present

- Conducting a cost-benefit study of wetland preservation and restoration in a Canadian context

Economist Consultant: March 2019 – September 2021

- Contract with Greenland International Consulting Engineers
- Producing the economic analysis of the costs and benefits of agricultural and non-agricultural Best Management Practices (BMPs) for the reduction of phosphorous emissions into Lake Erie

Lead Consultant: December 2016 – December 2018

- Lead two consulting projects in cooperation with the University of Guelph faculty (Department of Food Agricultural and Resource Economics)

- Project 1: Cross Jurisdictional Scan of Options for Crown Land Disposition in Canada with Implications for Agriculture in the Ontario Clay Belt
- Project 2: A Review of the Efficacy and Cost-Effectiveness of On-Farm Best Management Practices for Mitigating Soil-Related Greenhouse Gas Emissions

Research Associate: May 2015 – September 2016

- Member of two interdisciplinary teams on two research projects:
 - Developed policy options for reducing phosphorous loading in Lake Erie
 - Estimated the costs of implementing agricultural best management practices
 - Designed policy options for phosphorous loading reduction
 - Developed strategies for the implementation of policy options
 - Assessed the environmental and economic implications of alternative nitrogen application strategies in crop production agriculture
 - Estimated farm-level economically optimal nitrogen application rates
 - Incorporated external costs of nitrogen fertilizer into the farm profit function

Postdoctoral Fellow: December 2014 – May 2015

- Developed a research paper and a series of presentations on the application of evidence-based policy making (EBPM) in Canadian agriculture

Postdoctoral Fellow: May 2012 – December 2014

- Developed a series of research papers on the economics of marker assisted and genome-wide selection in plant breeding through a unique collaborative effort with researchers in the University of Guelph Department of Plant Agriculture
 - One paper is published, two are in preparation
 - Contributed to a Bill & Melinda Gates Foundation discussion panel teleconference
- Based on the previous PhD thesis work, prepared three papers (one published, one accepted for publication, and one being revised for review)

Research Associate: January 2012 – May 2012

- Based on the previous PhD thesis work, prepared three research paper manuscripts for publication in peer reviewed journals (presented at the annual meeting of the Canadian Agricultural Economics Society)
- Coauthored a report on cost-effectiveness of cellulosic ethanol production
- Coordinated annual reporting to the funding agency (Ontario Ministry of Agriculture, Food and Rural Affairs) for several MSc thesis projects
- Served as a reviewer for academic journals and conferences
- Provided substitute teaching services for individual classes in departmental courses

Graduate Research Assistant: September 2007 – December 2012

- Completed a PhD thesis “Linking Comparative Advantage, Supply Management and Environmental Externalities”
- Wrote draft research proposals, collected and analyzed data, and provided feedback in journal article preparation

- Conducted statistical analysis of corn yield and economic returns in collaboration with researchers in the University of Guelph Department of Plant Agriculture and the Department of Geography

Research Associate: May 2007 – January 2008

- Prepared a report and a book chapter on the effect of environmental programs and regulations on costs of production of cereal crops and hogs in Canada as a part of a joint project with the Agricultural Economics Institute (Landbouw-Economisch Instituut) in Wageningen, Netherlands. The project assesses the effect of environmental regulations on external competitiveness of the E.U. agriculture.
- Provided feedback on manuscripts of papers for publication

Graduate Research Assistant: January 2006 – April 2007

- Completed a master’s thesis “Factors Contributing to Excessive Use of Nitrogen Fertilizer in Ontario” aimed at identifying effective policy strategies for reducing the use of nitrogen fertilizer in Ontario
- Started preparing the above-mentioned report for the Agricultural Economics Research Institute in Wageningen
- Assisted in data collection and analysis for other projects

Undergraduate Research Assistant: May 2003 – September 2003; May 2004 – September 2004

- Collected, analyzed, interpreted, and summarized economic data in a report format
- Prepared draft reports and research proposals

PUBLICATIONS

Yanni, S. F., A. De Laporte, P. Rajsic, C. Wagner-Riddle and A. Weersink. 2020. The environmental and economic efficacy of on-farm beneficial management practices for mitigating soil-related greenhouse gas emissions in Ontario, Canada. *Renewable Agriculture and Food Systems*, 1-14

Rajsic, P. and G. Fox. 2018. “The Challenges Facing Evidence-Based Policy Making in Canadian Agriculture” in *Austrian Economics: The Next Generation, Advances in Austrian Economics*, Volume 23, Emerald Publishing, Bingley

Rajsic, P. and G. Fox. 2017. Quota Prices as Indicators of Comparative Advantage in Supply Managed Industries. *Agricultural Economics*, 48(2): 165–174.

Rajsic P., A. Weersink, A. Navabi and P. Pauls. 2016. Economics of Genomic Selection: The Role of Prediction Accuracy and Relative Genotyping Costs. *Euphytica*, 1 – 18, DOI: 10.1007/s10681-016-1716-0

- Rajsic P. and G. Fox. 2016. Environmental Externalities, Comparative Advantage and the Location of Production: An Application to the Canadian Dairy Industry. *Canadian Journal of Agricultural Economics*, 64(2) 311 -337. DOI: 10.1111/cjag.12076
- Rajsic, P., G. Fox and E. Ramlal. 2012. “Canadian Agricultural Environmental Policy”. In Brouwer F., G. Fox and R. Jongeneel (Eds.), *The Economics of Regulation in Agriculture: Compliance with Public and Private Standards*. Wallingford, UK: CABI Publishing.
- De Roest, K., J. Winsten, P. Rajsic and K. Dillen. 2012. “The Impact of Standards on the Competitiveness of the EU with Respect to Pigs and Poultry”. In Brouwer, F., G. Fox and R. Jongeneel (Eds.), *The Economics of Regulation in Agriculture: Compliance with Public and Private Standards*. Wallingford, UK: CABI Publishing.
- Rajsic, P., A. Weersink and M. Gandorfer. 2009. Risk and Nitrogen Application Levels. *Canadian Journal of Agricultural Economics*, 57(2):223-239.
- Rajsic, P. and A. Weersink. 2008. Do farmers waste fertilizer? A comparison of ex post optimal nitrogen rates and ex ante recommendations by model, site, and year. *Agricultural Systems*, 97(1):56-76.
- Gandorfer, M. and P. Rajsic. 2008. Modeling Economic Optimum Nitrogen Rates for Winter Wheat When Inputs Affect Yield and Output-Price. *Agricultural Economics Review*, 9(2):54-64.
- Deen, W., K. Janovicek, A. Weersink, and P. Rajsic. 2007. “Flat profit functions associated with variable nitrogen rates – Implications for producers, researchers and policy-makers”. In Bosch A., M.R. Teira and J.M. Villar (Eds.) *Towards a Better Efficiency in N Use*. European Society of Agronomy, 15th Nitrogen Workshop – Lleida, Spain. May 28-30, 2007. 531pp.

Conference & Working Papers

- Rajsic, P., and A. Weersink. 2016. Incentives for Replication Research within a Plant Breeding Research and Innovation Supply Chain. Selected paper prepared for presentation at the 2016 - CAES & WAEA Joint Annual Meeting, Victoria, June 21 – 24.
- Rajsic, P., D. A. Rodriguez, C. Wagner-Riddle, and A. Mussell. 2016. Optimal Nitrogen Applications and Emissions Under 4R Management Practices. Selected paper prepared for presentation at the 2016 - CAES & WAEA Joint Annual Meeting, Victoria, June 21 – 24.
- Rajsic, P., and G. Fox. 2013. Implications of Hayek’s and Coase’s Market Process Perspectives for Canadian Supply Managed Agriculture. *Papers & Proceedings of the 2nd Annual Toronto Austrian Scholars Conference*.
- Rajsic, P. 2013. Cost Structure of the Ontario Dairy Industry Revisited: Distributional aspects. *Canadian Agricultural Trade Policy and Competitiveness Research Network (CATPRN) working paper 2013-03*.

Rajsic, P. and G. Fox. 2012. Quota Prices as Indicators of Comparative Advantage in Supply Managed Industries. Canadian Agricultural Trade Policy and Competitiveness Research Network (CATPRN) working paper 2012-04.

Rajsic, P. 2010. Comparative Advantage: From an Individual to the Economy. Selected paper prepared for presentation at the Agricultural & Applied Economics Association 2010 AAEA, CAES, & WAEA Joint Annual Meeting, Denver, Colorado, July 25-27, 2010.

Manuscripts in Preparation

Rajsic

Rajsic P. and A Weersink. The Effect of Risk on the Adoption of New Plant Breeding Technologies.

Reports

Boston, T., C. Morgan, S. French, N. Scott, R.M. Palmer, P. Daggupati, T. Akthar, W. Yang, and P. Rajsic. 2021. Implementing the Canada Ontario Lake Erie Action Plan: Cost-Benefit Analysis. Technical report prepared for by Environment and Climate Change Canada.

Rajsic P. G. Fox and B. Deaton. 2017. Cross Jurisdictional Scan of Options for Crown Land Disposition in Canada with Implications for Agriculture in the Ontario Clay Belt.

Greenland International Consulting Ltd, P. Rajsic, and W. Yang. 2016. Evaluation of Policy Options to Achieve Nutrient Reductions from Canadian Sources to Lake Erie. Report prepared for Environment Canada.

Rajsic, P., D. A. Rodriguez, C. Wagner-Riddle, and A. Mussell. 2016. Optimal Nitrogen Applications and Emissions Under 4R Management Practices. Report prepared for Fertilizer Canada.

Rajsic, P., A. DeLaporte and A. Weersink. 2012. Review of Research on the Use of Non-Food Feedstocks for Ag-Based Renewable Energy. A Report Prepared for Agriculture and Agri-Food Canada.

Jongeneel, R., I. Bezlepkina, F. Brouwer, L. Aramyan, K. Dillen, M. Farmer, V. Swales, S. Schlegel, R. Landgrebe, K. de Roest, C. V. Ortéga, P. Esteve, X. Poux, G. Fox, P. Rajsic, A. Meister, Z. Karaczun and J. Winsten. 2008. Cross-Compliance (Facilitating the CAP reform: Compliance and competitiveness of European agriculture) (no. SSPE-CT-2005-006489). European Commission, Brussels.

Presentations

2016

- Rajsic, P. 2016. Did Rothbard “borrow” the income and substitution effects? Selected paper presented at the International Conference of Prices & Markets, Toronto, November 4 – 5, 2016.
- Rajsic, P. 2016. The past, the present, and the future of Canadian supply management. Presentation delivered at eCon 2016-- an annual student run conference held at the University of Waterloo. Waterloo, September 17.
- Rajsic, P. 2016. The Use of Knowledge in Society. Lecture delivered at Rothbard University 2016--Causal-Realist Economics, for the Real World. July 20 – 23, University of Toronto.
- Rajsic, P. 2016. Economic Calculation. Lecture delivered at Rothbard University 2016--Causal-Realist Economics, for the Real World. July 20 – 23, University of Toronto.
- Rajsic, P. 2016. Price controls. Lecture delivered at Rothbard University 2016--Causal-Realist Economics, for the Real World. July 20 – 23, University of Toronto.
- Rajsic, P., and A. Weersink. 2016. Incentives for Replication Research within a Plant Breeding Research and Innovation Supply Chain. Selected paper prepared for presentation at the 2016 - CAES & WAEA Joint Annual Meeting, Victoria June 21 – 24.
- Rajsic, P., D. A. Rodriguez, C. Wagner-Riddle, and A. Mussell. 2016. Optimal Nitrogen Applications and Emissions Under 4R Management Practices. Selected paper prepared for presentation at the 2016 - CAES & WAEA Joint Annual Meeting, Victoria June 21 – 24.

2015

- Rajsic, P., and G. Fox. 2015. Exploring Evidence-based Policy Making in Canadian Agriculture.
- (1) Annual Conference of the CEA, Ryerson University, Toronto, Ontario Friday May 29 – 31.
 - (2) NAREA & CAES 2015 Joint Annual Meeting Newport, Rhode Island, June 28 – 30, 2015.
 - (3) International Conference of Prices & Markets, Toronto, November 6 – 7, 2015.

2014

- Rajsic P. and A. Weersink. 2014. Comparison of Farm-Level Benefits of Plant Breeding Improvements. Applied Bean Genomics and Bioproducts Stakeholders' Meeting, Guelph, July 30, 2014.
- Rajsic P. and A. Weersink. 2014. The Effect of Risk on the Adoption of New Plant Breeding Technologies. 48th Annual Conference of the Canadian Economics Association (CEA), Vancouver, May 29 – June 1, 2014.
- Rajsic P. and A. Weersink. 2014. Economics of Genotypic Selection: The Role of Prediction Accuracy and Relative Genotyping Costs. 48th Annual Conference of the Canadian Economics Association (CEA), Vancouver, May 29 – June 1, 2014.
- Rajsic P. A. Weersink, A. Navabi and P. Pauls. 2014. Economics of Risk and Research Incentive Structure in Plant Breeding. Stakeholder Meeting of Phaseolus Genomics for Improved Bioproduct Development Program, Guelph, January 31, 2014.

2013

- Rajsic, P. and G. Fox. 2013. Quota Prices as Indicators of Comparative Advantage in Supply Managed Industries. Selected paper presented at the Toronto Austrian Scholars' Conference (TASC), Toronto, November 1 – 2, 2013.

Rajsic P., A. Weersink, A. Navabi and P. Pauls. 2013. Economics of Genotypic Selection: The Role of Prediction Accuracy and Relative Genotyping Costs.

- (1) Stakeholder Meeting of Phaseolus Genomics for Improved Bioproduct Development Program, Guelph, Sept. 4, 2013.
- (2) Selected Poster prepared for presentation at the Agricultural & Applied Economics Association's 2013 AAEA & CAES Joint Annual Meeting, Washington, DC, August 4 – 6, 2013.
- (3) Bill & Melinda Gates Foundation discussion panel teleconference, participated online from Guelph, May 30, 2013.

2012

Rajsic P. and A. Weersink. 2012. Cost Comparison Evaluation of Alternative Breeding Strategies for the Common Bean.

- (1) Bean Genomics Meeting, Guelph, Ontario, November 23, 2012.
- (2) 9th Canadian Pulse Research Workshop Meeting, Niagara Falls, Ontario, November 6 – 9, 2012.

Rajsic, P. and A. Weersink. 2012. Overview of Economic Tools for Evaluating Impacts of Plant Breeding Programs. Bean Genomics Meeting, Guelph, Ontario, June 12, 2012.

Rajsic, P. and G. Fox. 2012. Weak Links in the Theory of Comparative Advantage: Missing Markets. Selected paper presented at

- (1) the annual meeting of the Canadian Agricultural Economics Society (CAES), June 17 – 19, 2012, Niagara Falls, and
- (2) the Austrian Scholars Conference (ASC), Auburn, Alabama, March 10, 2012.

Rajsic, P. and G. Fox. 2012. Quota Prices as Indicators of Comparative Advantage in Supply-Managed Industries. Selected paper presented at the annual meeting of the Canadian Agricultural Economics Society, June 17 – 19, 2012, Niagara Falls.

Rajsic, P. and G. Fox. 2012. Do Environmental Externalities Affect Patterns of Comparative Advantage in a Supply-Managed Industry? Evidence from the Canadian Dairy Industry. Selected paper presented at

- (1) the annual meeting of the Canadian Agricultural Economics Society (CAES), June 17 – 19, 2012, Niagara Falls, and
- (2) the University of Guelph Department of Food, Agricultural & Resource Economics Dairy Research Communication and Extension Event, Guelph, February 22, 2012.

2011

Rajsic, P. 2011. Observing and Implementing Changes in Comparative Advantage in Supply-Managed Industries. Research Seminar at The University of Lethbridge Department of Economics, October 28, 2011.

Rajsic, P. 2011. Environmental Externalities and Comparative Advantage: Lessons from a Micro-Economic Approach. Selected paper presented at the CAES-WAEA Joint Annual Meeting in Banff, Alberta, June 29 – July 1, 2011.

Rajsic, P. 2011. Implementing the Principle of Comparative Advantage in Supply-Managed Industries. Selected paper presented at the CAES-WAEA Joint Annual Meeting in Banff, Alberta, June 29 – July 1, 2011.

2010

Rajsic, P. 2010. Comparative Advantage: From an Individual to the Economy. Selected paper presented at the Agricultural & Applied Economics Association 2010 AAEA, CAES, & WAEA Joint Annual Meeting, Denver, Colorado, July 25-27, 2010.

2009

Rajsic, P. 2009. Distributional Changes in the Ontario Dairy Industry: Cost Function Approach. Selected paper presented at the Canadian Agricultural Economics Association and Canadian Economics Association 2009 CEA & CEA Joint Annual Meeting, Toronto, May 29 – 30, 2009.

Rajsic, P. 2009. Cost Structure of the Ontario Dairy Industry. University of Guelph Department of Food, Agricultural & Resource Economics Dairy Research Communication and Extension Event, Guelph, February 18, 2009.

2008

Rajsic, P., A. Weersink and M. Gandorfer. 2008. Risk and Nitrogen Application Levels Selected Paper presented at the Canadian Agricultural Economics Association and Northeast Agricultural and Resource Economics Association 2008 CAES & NAREA Joint Annual Meeting, Quebec City, June 30 – July 1, 2008.

2007

Rajsic P. and Weersink, A. 2007. Do farmers waste fertilizer? A comparison of ex post optimal nitrogen rates and ex ante recommendations by model, site and year. Selected paper presented at the American Agricultural Economics Association, Canadian Agricultural Economics Association and Western Agricultural Economics Association 2007 AAEA, CAES, WAEA Annual Meeting, Portland, July 30 – August 1, 2007.

Rajsic P. and G. Fox. 2007. Overview of the Canadian Agricultural Environmental Policy. Report presented at the fifth meeting of the project team on *Facilitating the CAP Reform: Compliance and Competitiveness of European Agriculture* (Contract no. SSPE-CT-2005-006489), March 22 – 23, 2007, Edinburgh, U.K.