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CONTACT INFORMATION	General Services Building 551 Resource Economics & Environmental Sociology University of Alberta Edmonton, AB, Canada T6G 2H1	<i>Tel.:</i> 780-492-3915 <i>Fax:</i> 780-492-0268 <i>E-mail:</i> henry.an@ualberta.ca
RESEARCH INTERESTS	Agricultural technology adoption and disadoption, genetically modified foods	
EDUCATION	<b>University of California, Davis</b> , Davis, CA USA Ph.D., Agricultural and Resource Economics, November 2009  <b>University of Guelph</b> , Guelph, ON Canada M.Sc., Agricultural Economics and Business, September 2004  <b>University of Toronto</b> , Toronto, ON Canada B.Sc., Molecular Genetics and Molecular Biology, May 2000	
PROFESSIONAL EXPERIENCE	<b>Associate Professor and Associate Chair (since July 2019)</b> <b>July 2016 - present</b> Department of Resource Economics & Environmental Sociology, University of Alberta  <b>Visiting Professor</b> <b>July 2017 - June 2018</b> Department of Food, Agricultural & Resource Economics, University of Guelph  <b>Assistant Professor</b> <b>November 2009 - June 2016</b> Department of Resource Economics & Environmental Sociology, University of Alberta	
PUBLICATIONS	<b>An, H.</b> , F. Qiu and J. Rude. 2021. "Volatility Spillovers between Food and Fuel Markets: Do Administrative Regulations Affect the Transmission?" <i>Economic Modelling</i> , 102: 105552.  Wang, S., <b>H. An</b> , W.-Y. Chang, C. Gaston and B.R. Thomas. 2021. "Economic Potential of Adopting Genomic Technology in the Alberta's Tree Improvement Sector." <i>The Forestry Chronicle</i> , 97: 277-299.  Brown, B.A., <b>H. An</b> and S. Jeffrey. 2020. "Benefit-Cost Analysis of Near Infrared Spectroscopy Technology Adoption by Alberta Hog Producers." <i>Canadian Journal of Animal Science</i> , 100: 557-569.  Le, S., S. Jeffrey and <b>H. An</b> . 2020. "Greenhouse Gas Emissions and Technical Efficiency in Alberta Dairy Production: What Are the Trade-Offs." <i>Journal of Agricultural and Applied Economics</i> , 52: 177-193.  Wang, S. and <b>H. An</b> . 2019. "Technical Change and Productivity Growth in the Alberta Logging Industry." <i>Forest Policy and Economics</i> , 102: 130-137.  Chang, W.-Y., S. Wang, C. Gaston, J. Cool, <b>H. An</b> and B.R. Thomas. 2019. "Economic Evaluations of Tree Improvement for Planted Forests: A Systematic Review." <i>Bioproducts Business</i> , 4: 1-14.  Lloyd-Smith, P. and <b>H. An</b> . 2019. "Are Corporate Social Responsibility and Advertising Complements or Substitutes in Producing Firm Reputation?" <i>Applied Economics</i> , 51: 2275-2288.	

Campbell, H. and **H. An**. 2016. "Gains from Trade but to Whom? Canola and the Trans-Pacific Partnership." *Western Economic Forum*, 15: 3-10.

**An, H.**, F. Qiu and Y. Zheng. 2016. "How do Export Controls Affect Price Transmission and Volatility Spillovers in the Ukrainian Wheat and Flour Markets?" *Food Policy*, 62: 142-150.

Rude, J. and **H. An**. 2015. "Explaining Grain and Oilseed Price Volatility: The Role of Export Restrictions." *Food Policy*, 57: 83-92.

Hossack, F. and **H. An**. 2015. "Does Payment Type Affect Willingness-to-Pay? Valuing New Seed Varieties in India." *Environment and Development Economics*, 20: 407-423.

**An, H.** and R. Carew. 2015. "Effect of Climate Change and Use of Improved Varieties on Barley and Canola Yield in Manitoba." *Canadian Journal of Plant Science*, 95: 127-139.

Ndlovu, P.V., K. Mazvimavi, **H. An** and C. Murendo. 2014. "Productivity and Efficiency Analysis of Maize under Conservation Agriculture in Zimbabwe." *Agricultural Systems*, 124: 21-31.

**An, H.** 2013. "The Disadoption of rbST and its Economic Impact: A Switching Regression Approach." *Applied Economic Perspectives and Policy*, 35(3): 528-549.

Rude, J. and **H. An**. 2013. "Trans-Pacific Partnership: Implications for the Canadian Industrial Dairy Sector." *Canadian Public Policy*, 39(3): 393-410.

Chen, Q., S. Anders, and **H. An**. 2013. "Measuring Consumer Resistance to Innovation in Meat Packaging - Evidence from Choice Experiments." *Food Quality and Preference*, 28(2): 419-428.

**An, H.** and L.J. Butler. 2012. "A Discrete-Time Duration Analysis of Technology Disadoption: The Case of rbST in California." *Canadian Journal of Agricultural Economics*. 60(4): 495-515.

**An, H.** and L.J. Butler. 2009. "Update on rbST Use in the California Dairy Industry." *Agricultural and Resource Economics Update*, 12(5): 5-7.

**An, H.**, R.E. Goodhue, P. Howard and R.E. Howitt. 2009. "Reducing Volatile Organic Compound Emissions from Pre-plant Soil Fumigation: Lessons from the 2008 Ventura County Emission Allowance System." *Agricultural and Resource Economics Update*, 12(5): 1-4.

**An, H.**, R.E. Goodhue and L.K. Simon. 2008. "Meeting Quality Requirements Using Contracts: Bonuses, Penalties and Input Provision." In A. Gulati, P.K. Joshi, and M. Landes, eds. *Contract Farming in India: A Resource Book*. Indo-US Knowledge Initiative of Agriculture.

Fernandez-Cornejo, J., A. Somwaru, M. Brady, and **H. An**. 2008. "Global Effects of Biofuel Production in the Medium Term." *Outlooks on Pest Management* 19(5):220-224.

## PRESENTATIONS

### 2021

- Canadian Agricultural Economics Society Agri-Food Policy Conference, Ottawa, ON. (Selected)

### 2019

- International Consortium on Applied Bioeconomy Research Conference, Ravello, Italy (Selected)
- Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA, USA. (Selected)

### 2018

- Agriculture and Agri-Food Canada, Ottawa, ON. (Invited)
- University of Guelph, Department of Food, Agricultural and Resource Economics, Guelph, ON.

(Invited)

## 2017

- Alberta Agricultural Economics Association Annual Visions Conference, Red Deer, AB. (Invited)
- Agriculture and Agri-Food Canada, Ottawa, ON. (Invited)
- University of Guelph, Department of Food, Agricultural and Resource Economics, Guelph, ON. (Invited)

## 2016

- Joint Canadian Agricultural Economics Society and Western Agricultural Economics Association Annual Meeting, Victoria, BC. (Selected)
- Future of Food Law and Policy in Canada, Halifax, NS. (Selected)

## 2015

- Canadian Economics Association Annual Meeting, Toronto, ON. (Selected)
- Joint Canadian Agricultural Economics Society and Northeast Agricultural and Resource Economics Association Annual Meeting, Newport, RI, USA. (Selected)
- Joint Agricultural and Applied Economics Association and Western Agricultural Economics Association Annual Meeting, San Francisco, CA, USA. (Selected)
- 11<sup>th</sup> International Symposium on Biocatalysis and Agricultural Biotechnology, Banff, AB. (Invited)
- Phytola Science Meeting, Banff, AB. (Invited)
- University of Saskatchewan, Department of Bioresource Policy, Business and Economics, Saskatoon, SK. (Invited)
- University of Alberta, Public lecture for Sustainability Awareness week on “Biotechnology and Sustainable Food Production”, Edmonton, AB. (Invited)

## 2014

- Joint Canadian Economics Association and Canadian Agricultural Economics Society Annual Meeting, Vancouver, BC. (Selected)
- Livestock Genomics in Alberta Conference, Calgary, AB. (Invited)
- University of Alberta, Department of Economics, Edmonton, AB. (Invited)

## 2013

- Alberta Agricultural Economics Association Annual Visions Conference, Red Deer, AB. (Invited)
- Western Agricultural Economics Association Annual Meeting, Monterrey, CA, USA. (Selected)
- Joint Canadian Agricultural Economics Society and Agricultural and Applied Economics Association Annual Meeting, Washington, DC, USA. (Selected)

## 2012

- Consumer and Market Demand Agricultural Policy Research Network, Edmonton, AB. (Selected)
- Canadian Economics Association Annual Meeting, Calgary, AB. (Selected)
- Agricultural and Applied Economics Association Annual Meeting, Seattle, WA, USA. (Selected)
- Canadian Science Policy Conference, Calgary, AB. (Selected)

## 2011

- Canadian Agricultural Economics Society Annual Meeting, Banff, AB. (Selected)

## 2010 and earlier

- University of Saskatchewan, Department of Bioresource Policy, Business & Economics, Saskatchewan, SK, 2010. (Invited)
- University of Alberta, Department of Rural Economy, Edmonton, AB, 2009. (Invited)
- Canadian Agricultural Economics Society Annual Meeting, Toronto, ON, 2009. (Selected)
- Agricultural and Applied Economics Association Annual Meeting, Milwaukee, WI, USA, 2009.

(Selected)

- American Association of Agricultural Economics Annual Meeting, Orlando, FL, USA, 2008. (Selected)
- Pacific Conference for Development Economics, San Diego, CA, USA, 2008. (Selected)
- Canadian Association for the Study of International Development Conference, Winnipeg, MN, 2004. (Selected)

RESEARCH GRANTS Results Driven Agriculture Research (co-applicant), “Farm-Level Economics of Corn Intercropping Strategies for Extended Winter Grazing of Beef Cattle”, 2021. (\$67,500)

Support for the Advancement of Science, University of Alberta (PI), “Using Economics to Guide Silvicultural Activities: The Role of Trade-offs and Government”, 2021. (\$9,715).

Major Innovation Fund, Alberta Agriculture and Forestry (co-applicant), “Impact of Pre-conditioning and Management on AMU and AMR”, 2019. (\$566,525).

Alberta Wheat and Barley Commission and Saskatchewan Wheat Development Commission (PI), “Factors Influencing Wheat Variety Adoption Decisions in Canadian Prairies”, 2019. (\$63,020)

Genome Canada Large Scale Applied Research Project Competition (co-applicant) , “Genomic AS-SETS: Antimicrobial Stewardship Systems for Evidence-based Treatment Strategies for Livestock”, 2019. (\$498,000)

Agriculture and Agri-Food Canada (PI), “Hypothetical Bias, Strategic Stated Preferences and the Demand for Gene-Edited Canola”, 2018. (\$24,000)

Alberta Agriculture and Forestry (co-PI with P. Marcoul), “Cooperation and Information Sharing between Competitors: Genomic Selection”, 2018-2020. (\$84,000)

Ontario Ministry of Agriculture, Food and Rural Affairs (PI: G. Hailu), “Trade and Competitiveness: Productivity, Innovation, and Product Differentiation”, 2018-2020. (\$151,600)

Genome Canada Large Scale Applied Research Project Competition (co-applicant and GE3LS co-PI), “Resilient Forests: Climate, Pests and Policy”, 2016-2019. (\$5 million)

Phytola (PI), “Economic Implications of Changing Demands for Canola”, 2015-2017. (\$24,000)

Alberta Livestock and Meat Agency (PI: S. Jeffrey), “Economic Assessment of Greenhouse Gases and Production Efficiency”, 2015-2017. (\$100,400)

Alberta Crop Industry Development Fund (co-PI with S. Jeffrey and J. Unterschultz), “Benefit-Cost Analysis of NIRS Feeding Initiative”, 2012-2015. (\$122,177)

Canadian International Food Security Research Fund (co-applicant), “Alleviating Poverty and Malnutrition in Agro-Biodiversity Hotspots”, 2011-2014. (\$4.88 million)

Genome Canada Large Scale Applied Research Project Competition (co-applicant) , “POPCAN: Genetic Improvement of Poplar Trees as a Canadian Bioenergy Feedstock”, 2011-2014. (\$600,000)

Genome Canada Large Scale Applied Research Project (co-applicant), “Whole Genome Selection through Genome-Wide Imputation in Beef Cattle”, 2011-2014. (\$340,944)

Genome Canada Large Scale Applied Research Project (co-applicant), “Application of Genomics to Improving Swine Health and Welfare”, 2011-2014. (\$285,004)

Updated June 2022

Consumer and Market Demand Network Research Grant (PI), Consumer Preferences, Retailer Profits, and the Demand for Genetically Modified Foods, 2010-2012. (\$37,000)

Giannini Foundation Mini-grant (co-PI with L.J. Butler), Agricultural Technology Disadoption: California Dairy Farmers and Recombinant Bovine Somatotropin, 2007-2008. (\$20,000)

#### TEACHING

*Undergraduate:* Current Economic Issues for Agriculture and Food (AREC 200, 2019); Social and Economic Issues in Food Biotechnology (AREC 250, 2016-present); Food Market Analysis (AREC 384, 2010-2017)

*Graduate:* Production Economics (AREC 533, 2010-present); Advanced Price Analysis (AREC 502, 2013-2014 & 2021); Advanced Topics in Development Economics (AREC 500, 2010 & 2012).

#### HONOURS AND AWARDS

Teaching Award of Merit, North American Colleges and Teachers of Agriculture (NACTA), 2016.

Teaching Wall of Fame, Faculty of ALES, 2015, 2018.

#### SERVICE

Annual Meeting Program Chair, Canadian Agricultural Economics Society, July 2015-2017.

Ad hoc referee for: *Agricultural Economics*, *Agricultural and Resource Economics Review*, *Agricultural and Applied Economics Association Annual Meeting*, *Agricultural Systems*, *American Journal of Agricultural Economics*, *Australian Journal of Agricultural and Resource Economics*, *Canadian Agricultural Economics Society Annual Meeting*, *Canadian Journal of Agricultural Economics*, *Canadian Public Policy*, *Food Policy*, *Forest Policy and Economics*, *Journal of Agricultural and Applied Economics*, *Ontario Ministry of Agriculture, Food and Rural Affairs*, *Renewable Agriculture and Food Systems*, *Sustainability*, *Trends in Food Biotechnology* and *Western Agricultural Economics Association Annual Meeting*.

#### PROFESSIONAL AFFILIATIONS

Member: Canadian Agricultural Economics Society, Agricultural and Applied Economics Association.