

PRODUCTS AND VALUE CHAINS PROJECT LIST (Not exhaustive) - Research and Knowledge Translation and Transfer Projects Funded between 1999 and 2015 addressing Products and Value Chains Research Theme priorities*

#	Submission Number	Proposal Title	Principal Researcher	Research Institution	Research Theme**	Research Start date	Research End Date	To Know More	
5	UofG2014-1944	Modifying non-gluten proteins for improved gluten-free food products	Sanaa Ragae	University of Guelph	PVC	2015-09-01	2018-08-31	SearchUofG	SearchOMAFRA
6	UofG2014-2065	Media Analysis of the Agricultural Biotechnology Innovation Value Chain	Andreas Boecker	University of Guelph	PVC	2015-05-01	2018-04-30	SearchUofG	SearchOMAFRA
7	UofG2014-2109	Robotics in greenhouses: precision scouting for disease detection and yield prediction.	Medhat Moussa	University of Guelph	PVC	2015-05-01	2018-04-30	SearchUofG	SearchOMAFRA
8	KTT2014-10158	Understanding opinion leaders in online media to balance the agricultural biotechnology conversation	Alexandra Grygorczyk	University of Guelph	PVC	2016-01-01	2017-12-31	SearchUofG	SearchOMAFRA
9	UofG2013-1649	Freshness indicator for intelligent packaging applications	Loong-Tak Lim	University of Guelph	PVC	2014-09-01	2017-08-31	SearchUofG	SearchOMAFRA
10	UofG2013-1639	Developing high quality sparkling wines with regional identity in Ontario	George van der Merwe	University of Guelph	PVC	2014-07-02	2017-06-30	SearchUofG	SearchOMAFRA
12	UofG2014-1907	Comparative Study on the Effect of UV and High Hydrostatic Pressure on Health Related Constituents of Plant Derived Beverages	Keith Warriner	University of Guelph	PVC	2015-05-01	2017-04-30	SearchUofG	SearchOMAFRA
13	UofG2013-1594	Novel strategies for the functional replacement of trans and saturated fats in finished food products	Alejandro Marangoni	University of Guelph	FFH, PVC	2014-06-16	2017-04-30	SearchUofG	SearchOMAFRA
14	ND2011-1262	Hops: A potential niche crop for Ontario	Mary Ruth McDonald	University of Guelph	PVC, PS-Plant	2012-06-01	2016-05-31		SearchOMAFRA
15	ND2011-1309	Huitlacoche production, a potential niche food market for Ontario	Barry Saville	Trent University	PVC	2012-07-01	2016-04-29		SearchOMAFRA
16	ND2011-1235	Development of an herbicide evaluation program for nut tree growers in Ontario	Robert Nurse	AAFC Greenhouse and Processing Crops Research Center	PVC	2012-06-29	2016-03-31		SearchOMAFRA
17	SR9238	Precise fat trimming from pork cuts using robotics for export market	Hussein Abdullah	University of Guelph	PS-Animal, PVC	2011-09-01	2016-02-28		SearchOMAFRA
18	ND2011-1257	Establishing best management practices to develop high quality lavender products and a successful lavender agri-tourism industry in Ontario.	Anita Buehner	Ontario Lavender Association	PVC, PS-Plant	2012-06-04	2015-09-30		SearchOMAFRA
19	ND2011-1258	The Ontario Maple Syrup Agri-Food Value Chain: Enhanced Competitiveness through Innovation and Capacity Development	Brenda Murphy	Wilfrid Laurier University	PVC	2012-09-01	2015-08-31		SearchOMAFRA
20	SR9252	Establishing best management practices to develop high quality lavender products and a successful lavender agri-tourism industry in Ontario	Anita Buehner	Ontario Lavender Association	PVC, PS-Plant	2012-07-25	2015-06-03		SearchOMAFRA

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21	UofG2011-1070	Education Needs and Skill Development of Seasonal Workers in Ontario's Agri-Food System	Sara Mann	University of Guelph	PVC	2012-06-01	2015-05-31	SearchUofG	SearchOMAFRA
22	UofG2011-1198	Forming new composite organogels for fat reduction in complex food systems	Shai Barbut	University of Guelph	PVC	2012-06-01	2015-05-31	SearchUofG	SearchOMAFRA
23	SR9243	Gap analysis of the complete value chain for ornamental plant products from breeding to the final consumer in both domestic and export markets	Amy Bowen	Vineland Research and Innovation Centre	PVC	2011-06-01	2015-05-31		SearchOMAFRA
24	UofG2011-1161	Validation of a new LED light bulb designed for the egg-laying industry	Gregoy Bedecarrats	University of Guelph	PS-Animal, PVC	2012-05-07	2015-05-01	SearchUofG	SearchOMAFRA
25	UofG2011-1113	Developing strategies to incorporate prebiotics in refrigerated and frozen dough systems	Sanaa Ragae	University of Guelph	PVC	2012-05-01	2015-04-30	SearchUofG	SearchOMAFRA
26	UofG2011-1222	Developing High Yielding, Broadly Adapted, Non-Darkening Pinto Beans	Karl Peter Pauls	University of Guelph	PS-Plant, PVC	2012-05-01	2015-04-30	SearchUofG	SearchOMAFRA
27	SR9223	New value-added biomaterials from waste streams of biodiesel industries and polylactides (PLA)	Amar Mohanty	University of Guelph	BIO-IU, PVC	2009-09-01	2015-02-28		SearchOMAFRA
28	299572	Fostering proactive coccidiosis control management in the poultry industry by developing a self-guided, interactive training module and promoting on-farm usage	John Barta	University of Guelph	PS-Animal, PVC	2012-11-01	2014-11-01	SearchUofG	SearchOMAFRA
29	UofG2011-1235	Biomass-fired Fluidized Bed Combustion System for Greenhouse Heating	Animesh Dutta	University of Guelph	PVC	2012-07-02	2014-06-30	SearchUofG	SearchOMAFRA
31	UofG2011-1069	An Evaluation of the Potential for Terroir Value Chains in Ontario	Michael von Massow	University of Guelph	PVC, ARP	2012-05-01	2014-05-31	SearchUofG	SearchOMAFRA
32	26947	Improving Icewine Innovation through Evaluating Innovative Clusters and Consumer Trends & Demands in Ontario's Icewine Industry	Lefa Teng	University of Guelph	PVC	2010-07-02	2013-12-31	SearchUofG	SearchOMAFRA
34	299504	Application of learning alliances to enhancing economic and environmental sustainability of food processors through efficient use of resources	Khosrow Farahbakhsh	University of Guelph	ES, PVC, Open	2010-09-01	2013-09-01	SearchUofG	SearchOMAFRA
35	SR9239	Information systems development for the organic sector	Theresa Schumilas	Organic Council of Ontario	PVC	2011-05-16	2013-08-31	SearchUofG	SearchOMAFRA
36	26663	Development of high performance edible soy protein nanocomposite films and coatings for co-extrusion applications	Loong-Tak Lim	University of Guelph	PVC	2009-09-01	2013-08-31	SearchUofG	SearchOMAFRA
38	UofG2011-1196	A continuous plant health monitoring and early disease detection vision based system for applications in greenhouses	Medhat Moussa	University of Guelph	PVC	2012-05-01	2013-06-01	SearchUofG	SearchOMAFRA

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39	299559	Innovative Video and Web-based Knowledge Transfer Techniques for Beneficial Management Practices for Ontario Dairy Farms	Claudia Wagner-Riddle	University of Guelph	ARP,ES, PVC	2012-09-01	2013-04-30	SearchUofG	SearchOMAFRA
40	299554	The Guelph IP Academy	Erin Skimson	University of Guelph	BIO-IU, PVC	2012-02-17	2013-04-30	SearchUofG	SearchOMAFRA
41	299531	Developing regional food hubs: Applying knowledge to increase local food purchasing through local food linkages and value chains	Karen Landman	University of Guelph	ARP,ES, FFH, PVC	2011-03-01	2013-04-30	SearchUofG	SearchOMAFRA
42	299533	Delivery of Functionality International Conference IV	Alejandro Marangoni	University of Guelph (internal)	FFH, PVC	2011-03-01	2013-04-30	SearchUofG	SearchOMAFRA
44	26832	Cost-Effective Processing Technologies to Improve the Value to Aquaculture Species of Products and By-Products from the Agricultural and Food Sectors in Ontario	Dominique Bureau	University of Guelph	PVC, BIO-IU	2010-05-01	2013-04-30	SearchUofG	SearchOMAFRA
45	26861	Green Roof Technologies for Northern Climates	Youbin Zheng	University of Guelph	PVC	2010-05-01	2013-04-30	SearchUofG	SearchOMAFRA
46	299569	Nourishing Ontario: Community Food Project/Hub toolkit website, typology development and information dissemination project	Karen Landman	University of Guelph	ARP, PVC	2012-08-01	2013-03-31	SearchUofG	SearchOMAFRA
47	ARF24	Sustainable Biodegradable Green Composites from Distillers? Dried Grains with Solubles (DDGS) and Bioplastics	Amar Mohanty	University of Guelph	BIO-IU, PVC	2008-08-01	2013-01-31		SearchOMAFRA
48	26680	Conversion of Poultry Manure into Value-added Products Using Fly Larvae	Youbin Zheng	University of Guelph	PVC,ES	2009-06-01	2012-12-31	SearchUofG	SearchOMAFRA
49	26594	Economic and Community Capacity Analysis of the Alternative Land Use Services (ALUS) - Norfolk County Pilot Project	Glenn Fox	University of Guelph	ARP, PVC	2008-05-01	2012-12-30	SearchUofG	SearchOMAFRA
51	26754	Novel use of organogels to replace traditional animal fat in meat products	Shai Barbut	University of Guelph	PVC	2009-09-01	2012-08-31	SearchUofG	SearchOMAFRA
55	26599	Use of reclaimed wastewater on soil chemical and microbial properties and growth of turfgrass for sod production and maintained turfgrass sy	Katerina Jordan	University of Guelph	ES, PVC	2008-01-01	2012-04-30	SearchUofG	SearchOMAFRA
56	26592	Developing Environmental Production and Marketing Best Management Practices for Ontario Agriculture	Maury Bredahl	University of Guelph	ES, PVC	2008-05-01	2011-08-31	SearchUofG	SearchOMAFRA
57	299530	Delivering High Skills Programs in Agriculture, Horticulture, Food and Environment: Professional development workshop series for high school educators	Jonathan Schmidt	University of Guelph	ARP, BIO-IU, PVC,ES	2010-12-01	2011-06-30	SearchUofG	SearchOMAFRA

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60	26597	Integrated assessment of atmospheric emissions of ammonia, greenhouse gases and size fractionated particulate matter across farming systems	Bill Van Heyst	University of Guelph	ES, PVC	2008-05-01	2011-04-30	SearchUofG	SearchOMAFRA
61	26598	Carbon, nutrient and economic impacts of Miscanthus production under Ontario conditions	William Deen	University of Guelph	ES, PVC	2008-05-01	2011-04-30	SearchUofG	SearchOMAFRA
62	299511	Enhancing BUS*4550/4560 Interdisciplinary Product Development Course	Melanie Lang	University of Guelph	ARP,ES, FFH, PVC	2010-09-07	2011-04-08	SearchUofG	SearchOMAFRA
63	26579	Environmental impacts of crop residue removal under conventional and zero-tillage scenarios	Jon Warland	University of Guelph	ES, PVC	2008-04-01	2011-03-31	SearchUofG	SearchOMAFRA
66	26585	Impact of manuring and fertilization history on phosphorous sorption/desorption in agricultural soils of Ontario: implications for the Ontario	Ivan O'Halloran	University of Guelph	ES, PVC	2008-05-01	2010-04-30	SearchUofG	SearchOMAFRA
69	SR9197	Potential Antimicrobial Proteins For Human Health - Value Added Products From Eggshell Waste	Max Hincke	University of Guelph	PVC	2007-07-09	2009-07-08		SearchOMAFRA
70	SR9193	Optimizing Value-capture For to bacco and Genetically Modified to bacco Specialty Crop Production	J. Christopher Hall	University of Guelph - Environmental Biology	PVC	2007-05-22	2009-05-21		SearchOMAFRA
71	26589	Preliminary Assembly of Measurements and Estimates of Soil Hydraulic PropertyData for Soil Water Budget Modeling	Gary Parkin	University of Guelph	ES, PVC	2008-04-01	2009-04-30	SearchUofG	SearchOMAFRA
72	26257	Industrial-scale bioactive cellulose filters using recombinant antibodies and antigens produced and purified from transgenic tobacco.	J. Christopher Hall	University of Guelph	PVC	2005-04-01	2009-04-30	SearchUofG	SearchOMAFRA
73	LA1001	Driving Novel Value Added Detection From Proof of Concept to Commercial Readiness	Gregory Penner	NeoVentures Biotechnology Inc.	PVC	2006-09-06	2008-01-31		SearchOMAFRA
74	LA1004	An Acoustic Prion Sensor to Detect Infectious Prion Proteins in Blood	Gordon Hayward	University of Guelph	PVC	2006-09-06	2008-01-31		SearchOMAFRA
75	SR9168	Molecular Pharming in the White Button Mushroom	Paul Horgen	University of Toronto	PVC	2005-06-01	2007-05-31		SearchOMAFRA
76	SR9169	Enabling Identification of Value-added Components At the Point of Grain Delivery	Gregory Penner	NeoVentures Biotechnology Inc.	PVC	2005-06-01	2007-05-31		SearchOMAFRA
77	SR9137	Plant Recombinant Antibodies For Pseudomonas Aeruginosa: a Model For the to pical Prevention of Hospital Acquired Infections	Anthony Jevnikar	Lawson Health Research Institute	PVC	2003-06-02	2006-03-31		SearchOMAFRA

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79	25605	Controlled Atmosphere Storage and Modified Atmosphere Packaging of Fruits	Chun-Lung Chu	University of Guelph	PVC, PS-Plant	2001-05-01	2005-04-30	SearchUofG	SearchOMAFRA
80	SR9078	In Vivo and in Vitro Characterization of Resistant Starches From Ontario Corns and Corn-products as Value-added Functional Food Ingredients	Qiang Liu	Agriculture and Agri-food Canada - Food Research Program	FFH, PVC	2001-11-19	2004-11-18		SearchOMAFRA
81	SR9101	Development of Isoflavone-rich Soybeans, a New Value Added Functional Food Product For the Ontario Industry	Istvan Rajcan	University of Guelph	PS-Plant, PVC	2002-06-07	2004-06-06		SearchOMAFRA
82	SR9131	Fat-replacing Particles From Whey Proteins - a New Method For Producing Controllable Value-added Food Ingredients	Douglas Dalglish	University of Guelph	FFH, PVC	2003-05-26	2004-05-25		SearchOMAFRA
83	26064	Testing a recently developed fully-continuous supercritical fluid extraction process	Warren Stiver	University of Guelph	PVC	2003-05-01	2004-04-30	SearchUofG	SearchOMAFRA
84	SR9100	The Manufacture of Novel Value Added Products Via Targeted Nanostructural Modification	Alejandro Marangoni	University of Guelph	FFH, PVC	2002-05-01	2004-04-30		SearchOMAFRA
90	SR9036	Apparent Transfer Efficiency of Nervonic Acid From Diet to Milk in Dairy Cows and the Subsequent Enrichment of Nervonic Acid in Skim Milk	William Bettger	University of Guelph	PS-Animal, PVC	2000-04-01	2002-10-31		SearchOMAFRA
91	SR9003	Dvlpt. of a Combined Thermal-chemical Process to Extend the Shelf Life of Ready-to-use Lettuce & Assessment of Spoilage?	Joseph Odumeru	University of Guelph - Lab Services	PVC	1999-06-01	2002-09-30		SearchOMAFRA
92	SR9065	Value Added Products From Milkfat - Part 2	Robert Lencki	University of Guelph	PVC	2000-09-01	2002-08-31		SearchOMAFRA
93	SR9004	An Innovative Technology For a High Liquid Margarine Production-scale Up Processing	Varghese Abraham	Caravelle Foods	PVC	1999-06-01	2002-07-31		SearchOMAFRA
95	SR9042	Assessments of Agronomic Methods to Improve the Processing Quality of Hemp For Fiber in Eastern Ontario	Wendy Asbil	University of Guelph	PS-Plant, PVC	2000-05-01	2002-04-30		SearchOMAFRA
96	SR9007	Improving the Quality of Frozen Beef Using Antifreeze Proteins From Winter Cereals	D. Yang	McMaster University	PVC	1999-09-01	2001-08-31		SearchOMAFRA
97	SR9047	A Comparison of the Economic, Agronomic and Consumer Reaction to Genetically-engineered Bt Sweet Corn	Doug Powell	University of Guelph	FFH, PVC	2000-06-15	2001-06-14		SearchOMAFRA
98	SR9005	Factors Affecting Processing Quality of Potatoes	Rickey Yada	University of Guelph	PVC	1999-06-01	2001-05-31		SearchOMAFRA

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99	SR9015	Developing Proprietary Technologies For the Transformation of Soybeans in the Public Sector	Larry Erickson	University of Guelph	PS-Plant, PVC	1999-06-01	2001-05-31		SearchOMAFRA
100	SR9027	Modified Soybean Oil: Studies on Physical, Chemical and Processing Characteristics and Use of Molecular Markers to Enhance Breeding of Mfa	Rene Petroski	University of Guelph	PVC	1999-06-01	2001-05-31		SearchOMAFRA
101	SR9026	Collection of Road-killed Deer and the Recovery of Parelaphostrongylus Tenuis For Use as Antigen in the Dvlpt. of a Reliable	M.D.B. Burt	University of Guelph	PVC	1999-05-03	1999-12-31		SearchOMAFRA

* Each project listed here was funded under one of the following funding programs: the OMAFRA-University of Guelph Partnership; the OMAFRA-University of Guelph Knowledge Translation and Transfer Program; the OMAFRA-University of Guelph Gryphon's Laair Program; or OMAFRA's New Directions Research Program.

** ARP: Agriculture and Rural Policy; BIO-IU: Bioeconomy - Industrial Uses; ES: Environmental Sustainability; FFH: Food for Health; Open: Broad OMAFRA Priorities; PS-Animal: Product Systems - Animal; PS-Plant: Production System - Plant; PVC: Products and Value Chains (Formerly Product Development and Enhancement through Value Chains or Product Development and Enhancement through Value Chain Collaborations)

For assistance with this list or for additional details about projects in it, please contact the researcher directly or contact OMAFRA's Research and Innovation Branch at research.omafra@ontario.ca.