

Listing of Approved OMAFRA / UofG Research Program Projects - from Call for Proposals Spring/Summer 2009
(Posted: August 2009)

Research Project Operating Award (to entire project team for full term of project, i.e., up to 3 years)

Project Number	Project Leader	Title	Collaborators		Agr. / Rural Policy	Bioecon.	Emerg. Mgmt.	Env. Sust.	Food for Health	Prod. Dev.	Prod. Sys - Livestock	Prod Sys - Crops	Total Project Operating \$ Recommended
			At Guelph	other Institutions									
			Name	Dept.	Name								
#200067	Ablett	Understanding the Genetic and Biochemical Control of Tocopherols and Luteins in Soybeans Leading to the Development of Soybean Cultivars and Germplasm with Enhanced Levels of Nutraceuticals							40,000			70,000	110,000
#200068			Rajcan, Istvan	Plant Agriculture									
#200062	Barbut	Novel use of organogels to replace traditional animal fat in meat products								285,000			285,000
#200063			Marangoni, Alejandro	Food Science									
#200017	Berke	Evaluation of spatial surveillance methods under imperfect diagnostic test systems with emphasis on emerging zoonoses					15,000						15,000
#200051	Caldwell	Prospering with a Stable or Declining Population: Best Community Economic Development and Planning Practices for Rural Communities	Wilton, B.	Environmental Design & Rural Development	Nichol, Paul								153,250
#200051			Temple, Katie	Environmental Design & Rural Development	Tousaw, Scott								
#200051			Churchyard, Arthur	Environmental Design & Rural Development	Forbes, Symon								
#200051					Casavecchia, Michelle								
#200051					Uliana, Karla								
#200054	Caldwell	Identifying Rural Research Priorities Through Community Engagement			Chan, Yolande								94,000
#200054					Dixon, Jeff								94,000
#200101	Cant	Natural enrichment of milk with functional bioactive compounds									50,000		50,000
#200102			Osborne, Vern	Animal and Poultry Science									
#200101			Corredig, Milena	Food Science									
#200040	Corredig	Encapsulation of bioactive peptides using protein based nanostructures							300,000				300,000
#200042			Turner, Patricia	Pathobiology									
#200040			Griffiths, Mansel	Food Science	Blake, Anne								
#200040			Sharif, Shayan	Pathobiology	Tom Kane and Christina Lewis								
#200040			Verespei, Edita	Food Science	Wes Lane								
#200040			Dr. Luba Brovko	Food Science	Dr. Yuan Fang								
#200056	Cummings	Evaluation of agri-environmental program performance: Lessons learned from the Environmental Farm Plan and two Ontario watershed programs	Filson, Glen	Environmental Design & Rural Development	Lane, Wes			7,500					30,000
#200056			Finnegan, Darryl										
#200056			Ryan, Tracey										
#200056			Boutz, Ronda										
#200016	Deardon	Spatial and Network Individual-level Models of Infectious Disease Spread within a Bayesian Statistical Framework via Markov Chain Monte Carlo (MCMC)	Poljak, Zvonimir	Population Medicine	McNab, Brcue			140,000					140,000
#200048	Deaton	Industrial Composition and Economic Performance in Rural Ontario			TBD				149,000				149,000
#200048					TBD								
#200081	Deen	Long term field trials to examine yield, soil productivity and environmental impacts of Ontario corn, soybean and wheat production systems						22,054				46,849	68,903
#200082			Hooker, Dave	Ridgetown Campus									
#200081			O'Halloran, Ivan	Food, Agricultural & Resource Economics									
#200081			Young, Doug	Ridgetown Campus									
#200094	Deen	Evaluation of Perennial Grass Biomass Systems in Ontario										194,248	340,009
#200095			O'Sullivan, John	Plant Agriculture									
#200096			McKeown, Alan	Plant Agriculture									
#200094			Van Acker, Rene	Plant Agriculture									
#200097			Rowse, John	New Liskeard									
#200098			Young, Doug	Ridgetown Campus									
#200099			Tubeileh, Ashraf	Kemptville College									
#200094			Rennie, Timothy	Kemptville College									
#200046	Deen	Assessment of Availability of Agricultural Biomass for Electricity and Heat Generation in Ontario	Van Acker, Rene	Plant Agriculture	Kludze, Hilla				60,000				60,000
#200046			Weersink, Alfons	Food, Agricultural & Resource Economics	TBD								
#200046					TBD								

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			Name	Dept.	Name	Inst'n.							
#200046					Geerts, Helma	OMAFRA							
#200046					Rosenberg, Alex	OMAFRA							
#200046					Johnson, Peter	OMAFRA							
#200046					Stewart, Greg	OMAFRA							
#200046					Bohner, Horst	OMAFRA							
#200075	DeLange	Biomarkers to relate management of piglets post-weaning to subsequent growth performance, carcass and meat quality	Friendship, Robert	Population Medicine	Pluske, John	Murdoch University					105,000		105,000
#200075			Fan, Ming	Animal and Poultry Science	Simpson, Greg	OMAFRA							
#200075			Squires, Jim	Animal and Poultry Science									
#200050	Devlin	Local Food Initiatives in Ontario from the Farmer's Perspective	Landman, Karen	Environmental Design & Rural Development			57,120						57,120
#200074	DeVries	Limit-feeding dairy heifers: Maintaining health and welfare while improving feed efficiency and reducing feed costs and nutrient excretion	McBride, Brian	Animal and Poultry Science	von Keyserlingk, Marina	University of B.C.					84,550		84,550
#200074			Widowski, Tina	Animal and Poultry Science									
#200022	Dewey	Swine Influenza surveillance in Ontario finisher pigs						29,750					29,750
#200083	Dewey	Understanding the spatial and temporal spread and clinical signs associated with various genotypes of the Porcine Reproductive and Respiratory Syndrome (PRRS) in Ontario	Plojak, Zvonimir	Population Medicine							61,000		61,000
#200083			Friendship, Rob	Population Medicine									
#200084			Deardon, Rob	Mathematics and Statistics									
#200027	Dixon	ABATEMENT OF AGRICULTURAL AMMONIA EMISSIONS VIA SEQUESTRATION AND CONVERSION TO NUTRIENT AND BIO-ENERGY FEEDSTOCKS							244,296				244,296
#200028			Leeson, Steve	Animal and Poultry Science									
#200027			Bunce, Nigel	Chemistry and Biochemistry	Thompson, Cody	CodeEConsulting							
#200027			Bejan, Dorin	Chemistry and Biochemistry	Webb, Derek	BioRem							
#200027			Llewellyn, David	Environmental Biology	Darlington, Alan	Nedlaw Living Walls							
#200027			Zhang, Ping	Environmental Biology									
#200027			Graham, Thomas	Environmental Biology									
#200027			Rondeau Vuk, Theresa	Environmental Biology									
#200027			Lawson, Jamie	Environmental Biology									
#200027			Roberts, Glenn										
#200079	Duffield	The impact and management of pain in dairy cattle on health, performance and well-being	Leslie, Ken	Population Medicine	von Keyserlingk, Nina	University of BC					90,000		90,000
#200079			LeBlanc, Stephen	Population Medicine									
#200079			Kelton, David	Population Medicine									
#200064	Duizer	Characterizing the sensory attributes of whole grain wheat-based products and the phenolics associated with these attributes	Seetharaman, Koushik	Food Science					76,600	114,900			191,500
#200064			Marcone, Massimo	Food Science									
#200089	Earl	Stabilizing Ontario canola yields for enhanced profitability and reduced risk.									79,636		79,636
#200090			Rowell, John	New Liskeard									
#200047	Fox	Environmental Sustainability Policy Compliance Costs, Comparative Advantage, and Competitiveness of Ontario Livestock Industry	Cranfield, J.	Food, Agricultural & Resource Economics			111,000						111,000
#200020	Friendship	Disease Surveillance of Swine Using Farm-Based Mortality Data	Pearl, D.L.	Population Medicine			15,000						15,000
#200020			Amezcuca, M.R.	Population Medicine									
#200025	Friendship	Multi-disciplinary integrated surveillance of the antimicrobial resistance in <i>Salmonella</i> , <i>Campylobacter</i> , and <i>E. coli</i> on Ontario swine farms	Farzan, Vahab	Population Medicine	Reid-Smith, Richard	Public Health Agency of Canada		15,000					15,000
#200025			McEwen, Scott	Population Medicine	Deckert, Anne	Public Health Agency of Canada							
#200025					Janecko, Nicol	Research Associate, Population Medicine							
#200025					Pollari, Frank	Public Health Agency							
#200025					Cook, Angela	Public Health Agency							

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#200077	Guzman	Evaluation of the Entomopathogenic Fungi, <i>Beauveria bassiana</i> , <i>Clonostachys rosea</i> , and <i>Metarhizium anisopliae</i> , as Biocontrol Agents Against the Honey Bee Parasitic Mite, <i>Varroa destructor</i>										61,156	61,156	
#200078			Sutton, John	Environmental Biology										
#200058	Hall	Product Development of a Therapeutic Antibody in Tobacco through Production, Purification and Analytical Value Chains in Ontario	McLean, Michael	Environmental Biology	Garabagi, Freydoun	Research Associate, Environmental Biology					125,000		125,000	
#200058					Ghosh, Raja	McMaster Univ.								
#200058					Hassell, John	McMaster Univ.								
#200076	Hallett	<i>Risk Assessment and Management of Invasive Pests of Field Crops in Current and Future Climates</i>	Newman, Jonathan	Environmental Biology								200,000	200,000	
#200076			Schaafsma, Art	Ridgetown Campus										
#200072	Hsiang	Biology and Management of Diseases of Turfgrasses and Woody Plants			Llewellyn, Jen	OMAFRA						60,000	60,000	
#200072					Charbonneau, Pam	OMAFRA								
#200021	Jones	Producer perceptions of food-borne and zoonotic diseases associated with sheep and goat dairy farms and products	Menzies, Paula	Population Medicine			15,000						15,000	
#200021			Peregrine, Andrew	Pathobiology										
#200088	Karrow	Mycotoxins and the developing neuroendocrine-immune system	Boermans, Herman	Biomedical Science	Swamy, H.V.L.N.	Alltech						50,000	50,000	
#200073	LeBlanc	Investigation of automated activity monitoring for health and reproduction in dairy cattle										150,800	150,800	
#200080	Leslie	The use of behavioural monitoring for the prediction of impending health and welfare problems in dairy cattle	Kelton, David	Population Medicine								90,000	90,000	
#200080			Duffield, Todd	Population Medicine										
#200100	Li	EGF expressing <i>Lactococcus lactis</i> (<i>L. lactis</i>) for enhancing intestine development, health, and productivity of early-weaned pigs	deLange, Kees	Animal and Poultry Science	Gong, Joshua	AAFC						117,600	117,600	
#200059	Lim	Development of high performance edible soy protein nanocomposite films and coatings for co-extrusion applications	Barbut, Shai	Food Science							205,000		205,000	
#200060			Marcone, Massimo	Food Science										
#200085	Luimes	Investigation into methods of quantifying, relieving and preventing lameness in sows	Friendship, Robert	Population Medicine								40,000	40,000	
#200085			Bergeron, Renee	Alfred College										
#200085			Cassar, Glen	Population Medicine										
#200086	Luimes	Nutritional Strategies and monitoring of the peri-parturient sow.	deLange, Kees	Animal and Poultry Science								34,644	34,644	
#200086			Friendship, Robert	Population Medicine										
#200093	Mallard	Dairy Health and High-Low Immune Responders	Karrow, Niel	Animal and Poultry Science								50,000	50,000	
#200093			Quinton, Margaret	Animal and Poultry Science										
#200055	Mann	Human Resource Management: Best Practices in the Ontario Agriculture Industry			Stiefelmeyer, Kate	George Morris Centre	30,000						30,000	
#200055					Verma, Anil	University of Toronto								
Included w Mann		The Effects of Unionization of the Agriculture Sector in Ontario					incl'd. w/ #026674 above						incl'd. w/ #026674 above	
#200103	McBride	Healthy animals produce healthful products; an integration from animal health to human health										125,000	125,000	
#200104			Dyck, David	Human Health and Nutritional Sciences										
#200103			Duffield, Todd	Population Medicine	Wright, Thomas	OMAFRA Dairy Extension								
#200103			Hill, Arthur	Food Science	Kyriazakis, Ilias	Newcastle Univ								
#200001	Misra	Design and Engineering of Nano-enhanced Biopolyurethanes for Green Manufacturing					375,000						375,000	
#200002			Mohanty, Amar	Plant Agriculture										
#200003			Rajcan, Istvan	Plant Agriculture	Khalil, Hamdy	Woodbridge								
#200003					Mielewski, Deborah	Ford								
#200003					Kasemizadeh, Mohammad	Arkema								
#200003					Ontario Soybean Growers	Ontario Soybean Growers								
#200003					Schmalz, Jeff	Soy2020								

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#200004	Mohanty	Renewable, Recyclable and Lightweight Hybrid Green Composites from Lignin, Switch grass, Miscanthus and Bioplastics for Sustainable Manufacturing			Young			375,000						375,000	
#200005			Misra, Manju	Engineering											
#200006			Erickson, Larry	Plant Agriculture											
#200071	Moussa	Product enhancement and cost reduction in greenhouses through application of advanced robotics systems	Abdullah, Hussein	Engineering							53,750		120,400	174,150	
#200032	Mutch	The regulation of adipocyte differentiation and insulin signalling by dietary monounsaturated fatty acids	Ma, David	Human Health and Nutritional Sciences						126,900				126,900	
#200026	Mutharia	Are amoebae a practical culture tool for investigating the diversity and persistence of potential intracellular pathogens in target local environments?						15,000						15,000	
#200031	Newman	Toward ecologically sustainable choices for turfgrass applications in Ontario	Hafis, Maherali	Integrative Biology	Klironomos, John				252,862					252,862	
#200035	Paliyath	Bio-accessibility, Bio-availability and Anti-inflammatory Action of Nutraceutical Components from Ontario Berry Fruits, Tender Fruits and their Products	Subramanian, Jayasankar	Plant Agriculture	Tanya Archibold	Research Associate, APS				315,750				315,750	
#200035			Sullivan, Alan	Plant Agriculture	Post, Dean	OMAFRA, Strategic Intelligence and Marketing Unit									
#200035			Fisher, Helen	Plant Agriculture	KTT Team	Uof G/OMAFRA									
#200035			Corredig, Milena	Food Science	Varner, Torrie	Fruit Grower, President, Ontario Fruit Testing Association, Niagara									
#200035			Fan, Ming	Animal and Poultry Science	Varner, Jamie	Fruit Grower, Niagara Peninsula Fruit and Vegetable Growers' Association, Niagara									
#200035			Correa, Julietta	Food Science	Khanizadeh, Sharokh	AAFC, St. Jean, Quebec									
#200035			Haratifari, Sanaz	Food Science	Bors, Robert	University of Saskatchewan									
#200043	Pauls	Bean (<i>Phaseolus vulgaris</i>) Improvement for Health and Consumer Acceptance	Bozzo, Gale	Plant Agriculture						281,250			45,000	326,250	
#200015	Poljak	Biosecurity assessment as a tool to develop a risk-based surveillance in the Ontario swine industry	Dewey, Cate	Population Medicine				58,500						58,500	
#200015			Deardon, Rob	Mathematics and Statistics											
#200069	Prescott	<i>The pathogenesis and control of necrotic enteritis in broiler chickens</i>	Parreira, Valeria	Research Associate, Pathobiology	Roland, Kenneth	Tempe University							99,000	99,000	
#200069					Lepp, Dion	AAFC									
#200069					Gong, Joshua	AAFC									
#200070	Prescott	Pathogenesis of <i>Clostridium perfringens</i> Type A diarrhea in neonatal pigs and its epidemiology on Ontario swine farms	Friendship, Robert	Population Medicine									50,000	50,000	
#200070			Farzan, Vahab	Research Associate											
#200070			Parreira, Valeria	Research Associate											
#200007	Rennie	Evaluation of biomass production, nutrient cycling, harvesting, and end-use of biofuel crops in Eastern and Northern Ontario.						83,091						83,091	
#200008			Tubeileh, Ashraf	Kemptville College											
#200009			Rowell, John	New Liskeard											
#200010			Fisher, Jim	Kemptville College											
#200011			Crolla, Anna	Alfred College											
#200012			Kinsley, Chris	Alfred College											
#200053	Sarker	Effects of Farm Safety Net Programs on Income and Competitiveness of Farms under Different Size Categories in Ontario	Ker, Alan	Food, Agricultural & Resource Economics	Duff, Stephen	OMAFRA	60,000							60,000	
#200053					Surry, Yves	Uppsala University									
#200087	Schaafsma	Development of an integrated mycotoxin management system in Ontario grains	Tamburic-Illincic	Ridgetown Campus	Young, Christopher	AAFC							183,000	183,000	
#200087			Limay-Rios, Victor	Ridgetown Campus	Pitblado, Ron	Weather Innovations Incorporated									
#200087					Tenuta, Albert	OMAFRA									
#200091	Somers	Mutation technology for production of new products and added value for greenhouse ornamental species											150,000	150,000	
#200092			Blom, Theo	Plant Agriculture											
#200023	Spinato	A needs assessment survey of the emergency preparedness status of Canadian provincial and university animal health diagnostic laboratories						5,000						5,000	
#200024	Stacey	Advancement of Poultry Disease Spread Modelling	Klotz, Greg	Computing & Information Science				35,000						35,000	

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#200049	Vyn	Comparing Returns and Volatility from a Range of Marketing Strategies for Grains and Oilseeds in Ontario: A Simulation Approach.			17,000								17,000
#200029	Wagner-Riddle	Life-cycle Assessment of Greenhouse Gas Emissions and Economics of On-Farm Anaerobic Digesters					138,000						138,000
#200030			Weersink, Alfons	Food, Agricultural & Resource Economics									
#200029			Crolla, Anna	Alfred College									
#200029			Kinsley, Christopher	Alfred College									
#200029			Gordon, Robert	Land Resource Science									
#200029			Louttit, Dean	Land Resource Science									
#200029			Fleming, Ron	Ridgetown Campus									
#200013	Wagner-Riddle	Life Cycle Analysis Framework and Model for Assessing Life Cycle Impacts and Environmental Sustainability of Ontario Agricultural Feedstocks for Bioenergy				74,120		61,880					136,000
#200014			Deen, Bill	Plant Agriculture									
#200018	Warriner	Extraction and Detection of Human Pathogens using Antibody Modified Electrospun Conducting Polymer Fibers					39,000						39,000
#200019			Lim, Loong-Tak	Food Science									
#200052	Weersink	The Agricultural and Rural Policy Implications of a Changing Agricultural Sector	von Massow, Mike	Food, Agricultural & Resource Economics	100,000								100,000
#200052			Mehim, Almuhanaad	Food, Agricultural & Resource Economics									
#200052			TBD Research Associate	Food, Agricultural & Resource Economics									
#200052													
#200052													
#200045	Weersink	Land Use and Policy Impacts of the Transition to a Green Economy.	TBD Research Associate	Food, Agricultural & Resource Economics	30,000			30,000					60,000
#200045													
#200045													
#200057	Zheng	Conversion of Poultry Manure into Value-added Products Using Fly Larvae	Dixon, Mike	Environmental Biology				80,300		102,340			182,640
#200057			Marshall, Steve	Environmental Biology									
#200057			Lawson, Jamie	Environmental Biology									
#200057			Wang, Linping	Environmental Biology									
Total Recommended Awards:					883,870	1,052,972	382,250	836,892	1,140,500	885,990	1,197,594	1,210,289	7,590,357
											PS TOTAL	2,407,883	
Allocation Target for this Call					800,000	1,000,000	500,000	1,000,000	1,000,000	900,000	1,200,000	1,200,000	7,600,000