

WAMQI Funded Projects 2014				
Lead Organization	Project Amount	Project Title	Video Link	Link To Final Report
University of Guelph Dr. Mary Ruth MacDonald	\$15,000	Improving irrigation scheduling and nitrogen management in sweet potato production	http://youtu.be/M5oRCK5DB-Q	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport1.pdf
ENPAR Technologies Inc.	\$70,000	Process Water Recycle and Reuse Circuit for the Ontario Greenhouse Industry Using ENPAR's ESD Capacitive Deionization technology	http://youtu.be/NSIJONUdQH4	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport2.pdf
University of Guelph, Ridgetown Campus	\$19,000	Cornell Soil Health Assessment as a possible soil quality standard for Ontario	http://youtu.be/9P6cVEih-Xw	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport3.pdf
University of Guelph, Ridgetown Campus	\$44,000	Legume cover crops – minimizing nitrogen loss in the fall and supplying N in the next season	http://youtu.be/oWDgwseKIXk	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport4.pdf
University of Guelph, Ridgetown Campus	\$16,000	Nitrogen Use Efficiency in Two Ontario Legume Crops	http://youtu.be/eOxN9E5estc	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport5.pdf

University of Guelph, Simcoe Research Station	\$70,000	Subsurface Drip Irrigation to Enhance Water-Use Efficiency and Reduce Impact of Applied Nutrients on Water Quality in Corn Production in Southern Ontario / Aeration of Field Vegetables	http://youtu.be/BYE_-kevPME	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport6.pdf
The Soil Resource Group	\$20,000	Evaluation of denitrification bioreactors and constructed wetlands under Ontario conditions (continuation of 2013-2014 WRAMI project)	http://youtu.be/o-6gJczg9ac	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport7.pdf
PhytoServ	\$42,000	Outdoor Container Nursery Production Water Use Efficiency and Best Practices Benchmarking Study – YEAR 2		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport8.pdf
Livestock Research Innovation Corporation	\$45,000	Dairy water Use Efficiency (WUE) Demonstration- Produce 5 Dairy Water Efficiency Videos	Rotary - https://www.youtube.com/watch?v=nmuS8CD0fQE Robot - https://www.youtube.com/watch?v=MWBey7td24 Parallel - https://www.youtube.com/watch?v=njmkhBM1_n8 Parallel - https://www.youtube.com/watch?v=ZOUiYkH7oyE Tie Stall - http://youtu.be/PaccZYIgyU4	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport9.pdf
Middlesex SCIA	\$50,000	Evaluating Green Seeker and the Kentucky Algorithm for Predicting Nitrogen Requirements in Wheat		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport10.pdf
Flowers Canada	\$50,000	Optimizing Molybdenum Levels in Sub-	https://www.youtube.com/wat	http://www.farmfood

		irrigation Floriculture Systems	ch?v=J38ClkRLpB8	careon.org/wp-content/uploads/2016/04/WAMQI-finalreport11.pdf
Flowers Canada	\$69,000	Assessment and Management of Horticultural Storm water Discharges	http://youtu.be/JK4jgveTZjM	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport12.pdf
Ontario Potato Board	\$20,000	Variable Rate Irrigation on Potatoes		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport13.pdf
Algonquin College	\$70,000	Visualizing and Quantifying Sources of Nutrients in the Agriculturally Dependent Muskrat River Watershed	http://youtu.be/p_448SE7C5o	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport14.pdf
Ontario Pork	\$32,000	Establishing Cover Crops in Growing Corn and Small Grain Crops	https://www.youtube.com/watch?v=s9BKO0md8J4	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport15.pdf
University of Windsor	\$70,000	Advanced Oxidation Processes for Treatment of Organics in Recirculated Greenhouse Nutrient Feed water	http://youtu.be/axeh2-rH4Vk	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport16.pdf

Brant County Federation of Agriculture	\$70,000	Whitemans Creek Water Conservation & Drought Contingency Planning	http://youtu.be/MhUYdGYvbRo http://youtu.be/YsblRetprZw	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport17.pdf
Ontario Tender Fruit Producers' Marketing Board (Joint Project Apples and Grapes)	\$90,000	Improvement of Irrigation efficiency in Orchards and Vineyards in Ontario	http://youtu.be/d-ZUQTABD5k	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport18.pdf
Ontario Rural Wastewater Centre	\$54,000	Demonstration and Evaluation of Pond/Wetland/Vegetated Filter Systems to Treat Beef Manure Pile and Outdoor Confinement Area Runoff	http://youtu.be/ecL1UJj2X6M	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport19.pdf
Ontario Potato Board	\$22,000	New Technology Water Management for Ontario Potato Production		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport20.pdf
Nursery Sod Growers Association of Ontario	\$56,000	Advancing Sustainable Water Management for Ontario Sod Production		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport21.pdf
University of Guelph, Ridgetown	\$28,000	Use of ground covers and remote soil moisture monitoring equipment to		http://www.farmfoodcareon.org/wp-

Campus		maximize water use efficiency in peach orchards - 2014.		content/uploads/2016/04/WAMQI-finalreport22.pdf
University of Guelph, Ridgetown Campus	\$21,000	Use of ground covers and irrigation to manage soil moisture in Ontario apple orchards, specifically targeting bitterpit in Honeycrisp apple	http://youtu.be/KcZQ4IH1E8k	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport23.pdf
University of Guelph, Ridgetown Campus	\$41,000	Evaluation of land application of greenhouse waste water in field vegetable production	http://youtu.be/LrHB988gnzw	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport24.pdf
FieldTRAKS Solutions	\$70,000	A Mobile Mapping Technology Application for Smart Soil Sampling (triple-S) on Ontario Farmland		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport25.pdf
Aquanty	\$40,000	A modelling based protocol for minimizing non-growing season nutrient losses from fall liquid manure applications through the use of controlled tile drainage.	http://youtu.be/uOZYW7ZvLaY	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport26.pdf
Phytoserv	\$28,000	Improving Uniformity of Overhead Irrigation Systems to Reduce Water Use and Maximize the Retention of Nutrients in Container Grown Nursery Crops	http://youtu.be/hW4fDTaBvG4	http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport27.pdf

The Soil Resource Group	\$59,000	Field and edge of field water quality runoff monitoring of BMPs including cover crop, vegetated buffer and reduced tillage		http://www.farmfoodcareon.org/wp-content/uploads/2016/04/WAMQI-finalreport28.pdf
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