

2014 BC Cranberry Research Projects

Researcher	Affiliation	Project Title	Objectives
Dr. S. Fitzpatrick	Agriculture and Agri-Food Canada	Decision-Making for Management of Cranberry Tipworm and Cranberry Girdler	The proposed research aims to provide a scientific basis for decision-making during monitoring and management of cranberry tipworm and cranberry girdler in BC.
Dr. C. Rodriguez-Saona	Rutgers	Integrated Research for Sustainable Insect Pest Management in Cranberries	To evaluate new reduced-risk insecticides for managing key cranberry pests; to determine the levels of resistance among old and new cultivars against key insect pests; to develop degree-day models for fruitworms to better time insecticide applications and conduct an outreach program to deliver this research knowledge to growers.
Dr. K. Patten	WSU	Insecticide Chemistries Compatible with Chemigation – Fireworm & Tipworm; Weevil Suppression	To assess new insecticide chemistries for control of fireworm and tipworm; assess M-205 herbicidal activity for priority BC weeds and assess Blackvine Weevil control with MET-52 formulations.
T. Hueppelsheuser	BC Min. of Agri.	Emerging Pests: Cranberry Fruitworm	To monitor and manage strategies for cranberry fruitworm adapted to BC conditions; to monitor methods for moths, eggs, and fruit damage and degree day models adapted for use in BC and to identify natural biological predators.
Dr. S. Sabaratnam	BC Min. of Agri	Surveillance of Plant Pathogens on Cranberry Fields in the FV, their Impact on Pre- and Post-Harvest Fruit Rot and Grower Education	To understand the impact of fruit rot pathogens on cranberry production and transfer knowledge and educate growers on timely detection of critical pathogens responsible for fruit loss.
Dr. F. Caruso	U. of Mass. Emeritus and Black Veil Consulting	Evaluation of Fungal Populations in BC as it Relates to Fruit Rot Incidence	To sample fruit and culture for fungal pathogens. Knowledge of the fungi that infect cranberry will help growers better manage fruit rot.
R. Prasad	E.S. Crop Consult	Demonstration of Bumble Bee and Indicator Plant Gardens	Demonstration of a bumble bee garden planted and established at the Research Farm; to collect data on bumblebee activity before, during and after cranberry bloom and to collect data on the potential of bumble bee garden plants to also be used as indicator plants to forecast activity of cranberry pests.
Dr. D. Henderson	Institute for Sustainable Horticulture, Kwantlen Polytechnic University	Exploring Control of Foliar Cranberry Pests – Fireworm, Tipworm, Dearness scale with a New Natural Pesticide – Neem	New, low risk products such as neem formulations will need to be registered in Canada before they are available to growers. Three groups working together – ISH, Terramera E.S. Cropconsult may bring a promising natural pesticide product to market.
B. Mauza	Ocean Spray	Pesticide Evaluations for Controlling Cranberry Tipworm and Dearness Scale	To assess potential new control products as a control for cranberry tipworm and assess potential new control products for Dearness scale during bloom.