2015 BC CRANBERRY INDUSTRY PRODUCTION RESEARCH PRIORITIES

Priority	Subject	Specific Information Sought
High	Cranberry Field Decline	To determine the failure of vines.
	Cranberry Girdler	The development of management strategies relevant to BC conditions.
	Cranberry Tipworm	Determine if the action threshold of 30% uprights infested with tipworm is appropriate for BC farms; Determine when tipworm infestation will prevent flower bud set for the following year (e.g., return bloom study); Find control methodologies acceptable for export markets.
	Varietal Development	Testing new varieties with good yield potential in BC conditions.
	Blackheaded Fireworm	Evaluation of control materials compatible with chemigation.
	Chemigation Design and Delivery	(1) Improvements to designs for distribution uniformity and effectiveness of chemigation; and (2) Identifying chemistries compatible with chemigation
	Perennial Weeds	Effective control of Buttercup; Vetch; Silverleaf; Yellow Loosestrife; Sheep Sorrel; Blackberries; Morning Glory; Lotus and Grasses

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Medium	Irrigation Design and Delivery	(1) Improve irrigation scheduling with respect to crop health needs and production maximization, including the use of soil moisture sensors for on farm decision management (2) Include drainage uniformity and efficiency
	Industry Innovations	(1) Economic or labour saving innovations with potential widespread utility for BC cranberry growers. (2) Imaging /mapping technology
	Pollinators	Bee colony efficiency and native pollinator research.
	Sparganothis Fruitworm	Determination of the current levels of infestation throughout the BC cranberry industry; Review timing of effective sweep net monitoring; Enquire into the circumstances where a pesticide application is effective on Black Headed Fireworm but not on Sparganothis Fruitworm; Identify natural enemies.
	Cranberry Dieback Disorder (CDD)	Determination of the most likely causal pathogens.
	Pesticide Delivery Systems	Development of reduced risk systems that do not rely on aerial spraying or chemigation.

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Longer Term	Cranberry Fruitworm	Determination of the current levels of infestation throughout the BC cranberry industry; Review efficacy of pheromone trapping and detection of larvae in fruit; Determine if insecticide timing used in other cranberry growing areas works in BC.
	Dearness Scale	Monitor the extent of damage by natural predators and parasitoids; Determine if there are alternative host plants on or near cranberry farms; Determine if scale is mechanically transmitted; Evaluate reduced-risk insecticides for control of crawlers.
	Rodent Controls	Development of techniques to monitor, and assess damage done by rodents, and to prevent rodent damage.
	Nutrient Management	Development of techniques and systems to maximize the production value of nutrient applications.
	Parasitoids	Identification of natural enemies of high priority cranberry pests and identification of the conditions that optimize their potential benefits.
	Weevils	Identification of effective population suppression pesticide applications or management techniques.
	Organic Production	Identification of cost effective management techniques to produce organic cranberries.