2017 BC CRANBERRY INDUSTRY PRODUCTION RESEARCH PRIORITIES

Priority	Subject	Specific Information Sought
High	Cranberry Field Decline	To determine reasons for and management of the failure of vines.
	Cranberry Girdler	The development of management strategies relevant to BC conditions.
	Cranberry Tipworm	(1) The development of management strategies relevant to BC conditions. (2) Find control methodologies acceptable for export markets.
	Varietal Evaluation	(1) Understand and identify the horticultural characterizations of newer varieties for characterizations such as yield and quality in BC conditions. (2) Understanding the purity of genetics of existing varieties.
	Chemigation Design and Delivery	(1) Improvements to designs for distribution uniformity and effectiveness of chemigation; and Identifying chemistries compatible with chemigation
	Perennial Weeds	(2) Effective control of perennial weeds, including but not limited to Buttercup; Vetch; Silverleaf; Yellow Loosestrife; Sheep Sorrel; Blackberries; Morning Glory; Lotus and Grasses
	Fruit Quality	Fruit rot; Firmness; Fungicide use and timing; Delivery systems; Mechanical damage; Cultural practices

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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 (3) Use of on-farm data for crop management.
	Pollinators	Bee colony efficiency and native pollinator research.
	Blackheaded Fireworm	Evaluation of control materials compatible with chemigation.
	Sparganothis Fruitworm/ Cranberry Fruitworm	Determination of the current levels of infestation throughout the BC cranberry industry; Review timing of effective sweep net monitoring; Identify natural enemies.
	Rodent Controls	Development of techniques to monitor, and assess damage done by rodents, and to prevent rodent damage.
	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.
	Alternative Delivery Systems	Development of reduced risk systems.

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Longer Term	Cranberry Dieback Disorder (CDD)	Determination of the most likely causal pathogens.
	Nutrient Management	Development of techniques and systems to maximize the production value of nutrient applications.
	Beneficial Insects	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.