



# The Canadian Horticultural Council



Rebecca Lee, CHC Executive Director  
November 2, 2016  
NAPPO Annual Meeting

# Canadian Horticultural Council

The Canadian Horticultural Council (CHC) is an Ottawa-based voluntary, not-for-profit, national association that represents producers from across Canada involved in the production and packing of over 120 fruit and vegetable crops. Members include provincial and national horticultural commodity organizations as well as associated organizations, provincial governments and individual producers.

***Our Vision:*** An Innovative and Sustainable Canadian Horticulture Industry

***Our Mission:*** To be the Voice of Canadian Horticulture

***Our Mandate:*** To build national consensus on issues relevant to our Members in order to influence policies and programs for a sustainable horticultural sector

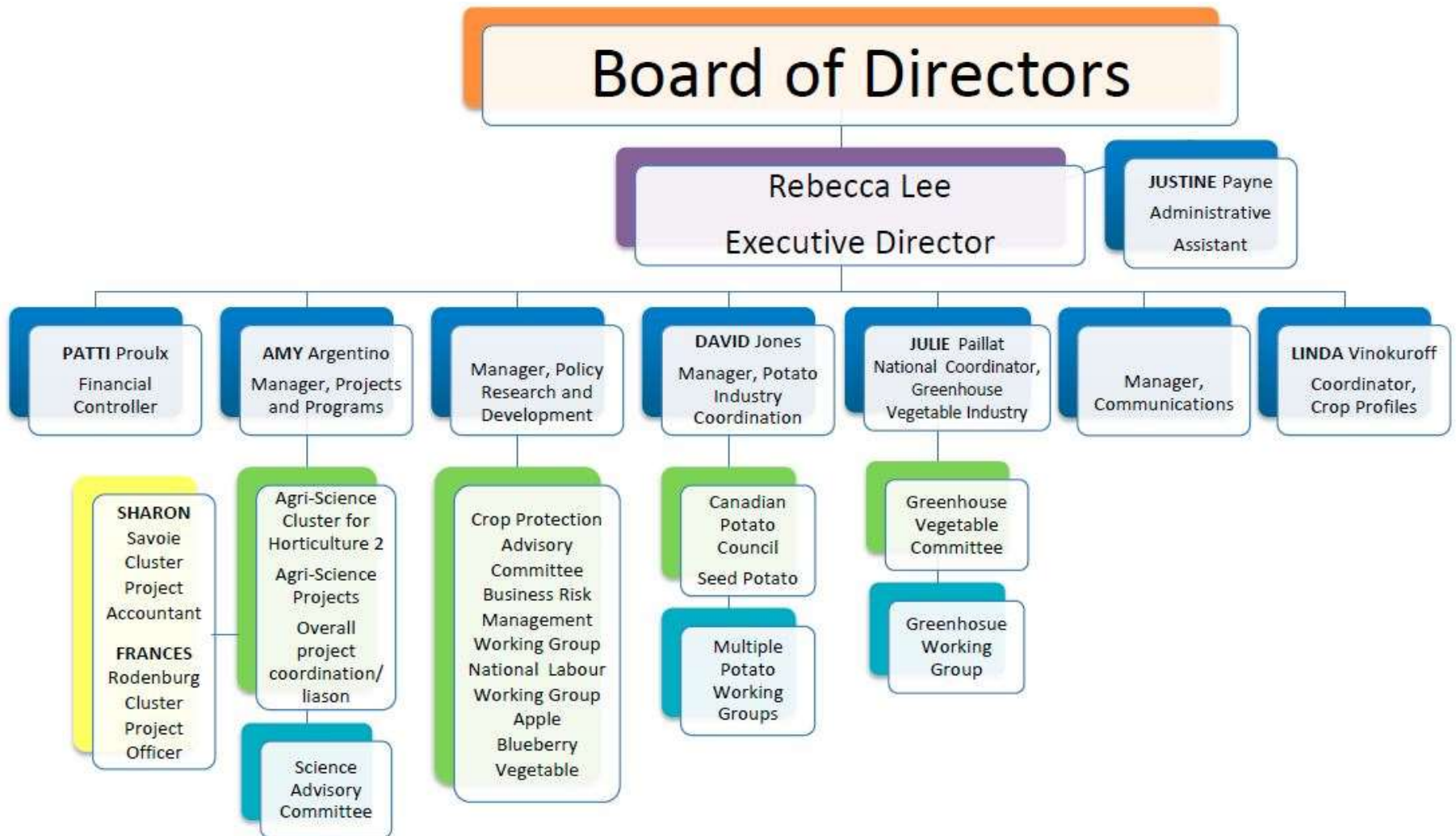
***Our Value Proposition:*** To give members a seat at the table where their industry's future is being decided

# What we do

- Represent the sector to government
- Coordinate and oversee research projects
- Collaborate with
  - National organizations:
    - Canadian Produce Marketing Association (CPMA)
    - Pest Management Regulatory Agency (PMRA)
    - Flowers Canada
    - Dispute Resolution Corporation (DRC)
    - CropLife
  - International organizations:
    - International Federation of Produce Standards (IFPS)
    - United Fresh (US)
    - North American Plant Protection Organization (NAPPO)



# CHC Staff Organizational Overview



# CHC Committee Organizational Overview



# CHC Legacy Achievements

- 🍏 Seasonal Agricultural Worker Program
- 🍏 Dispute Resolution Corporation (DRC)
- 🍏 AAFC Pest Management Centre (PMC)
- 🍏 CanadaGAP and GFSI Recognition
- 🍏 Destination Inspection Service (DIS)
- 🍏 Single Licensing through the *Safe Food for Canadians Act* with the DRC named as the service provider
- 🍏 Regulatory Cooperation Council Action Items (Crop protection, Financial risk mitigation, Plant health, Food safety)
- 🍏 Canadian Agri-Science Cluster for Horticulture (1 and 2)

# Canadian Agri-Science Cluster for Horticulture 2 (2013-18)

**\$2.8million industry**  
**+**  
**\$6.8million AAFC**  
**=**  
**\$9.6million**

Theme	Project Title	Project Lead
Apple	Optimizing Storage Technologies to Improve Efficiency, Reduce Energy Consumption, and Extend the Availability of Canadian Apples for Domestic and Export Markets	DeEII, OMAFRA
	Improving tree fruit storage management using weather based predictions of fruit quality at harvest	Bourgeois, AAFC (QC)
	Performance of Honeycrisp on New Size-Controlling Rootstocks	Cline, University of Guelph
	New biological control agents for postharvest diseases of pome fruit	Nelson, University of BC
Potato	Understanding of Potato virus Y complex in Canada and development of a comprehensive on-farm management strategy	Singh, Agricultural Certification Services (NB)
	Wireworm control in potatoes and strategic rotational crops in Canada	Vernon, AAFC (BC)
	Development of a Rapid and Sensitive Triplex Nested Real-time PCR Method for Quantification of Verticillium in Soil	Tenuta, University of Manitoba
	Zebra Chip and Potato Psyllid Survey and Monitoring	Johnson, University of Lethbridge
	Nitrogen Management for Improved Yield, Quality and Profitability of Potato	Tenuta, University of Manitoba
	Canadian Potato Variety Evaluation Program	Sonier, PEI Potato Board

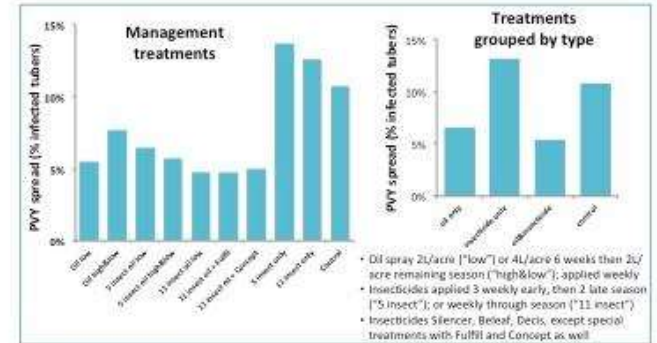
# Innovating for a strong future



External CO<sub>2</sub> injury in 'Empire' apple

## Activity 3: PVY management field trials

- Field trials to experimentally test efficacy of mineral oil, insecticide and combined spray treatments to slow on-farm PVY spread
- Plots in New Brunswick potato field planted with PVY-free Goldrush seed tubers and known level of PVY averaging 2.3% across plots (mixed strains)
- PVY spread to initially virus-free plants was:
  - reduced** by mineral oil spray, though higher rates of oil no different
  - reduced more** by combined mineral oil and insecticide spray
  - not reduced at all** in insecticide-only treatments
- In 2015, infected seed from 2014 trial used to specifically inoculate each plot with exactly 3% PVY, and with equal amounts of each strain. Experiment was also replicated in Manitoba in 2015. Results from both trials pending post harvest tuber testing.



40 plots (10 treatments x 4 replicates); randomized block design ca. 2.5 acres

200 plants in plot  
Orange flags: initially negative test plants  
Pink flags: PVY inoculum plants of known strain



### Acknowledgements

We would like to thank the Canadian Horticultural Council, N.B. Department of Agriculture, Aquaculture and Fisheries and Potatoes N.B. for funding this research, and the collaboration of the potato industry organizations of Alberta, British Columbia, Manitoba, Quebec, and Prince Edward Island.





# Immediate Impact

- **PVY Project**

- 2015 seed crop – 93% of lots with < 3% infection, compared to 8-15% infection 5 years ago

- **Detection and Monitoring of Potato Psyllid**

- Detection is at very low levels

- **Wireworm**

- Commercial traps for adults and IPM system are being developed



Figure 1. New Vernon Beetle Pitfall trap

# Any questions?



## CHC Annual General Meeting: March 14-16

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**HORTSHORTS**

THE NEWSLETTER OF  
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