

### **Charitha A. Jayasinghege**

#### **Research Scientist – Crop/Plant Physiology**

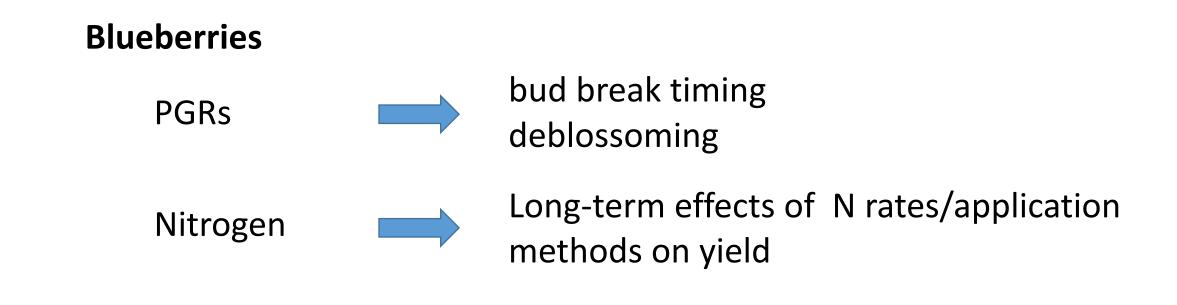
Agassiz Research and Development Centre

charitha.jayasinghege@canada.ca

- Ph.D. in Plant Science (University of Alberta)
  - Hormonal interactions during pea fruit development

- Postdoctoral fellow (Plant pathology lab, University of Alberta)
  - Hormonal regulation of clubroot disease development in canola

## Current research activities





# Prohexadione calcium for canopy management

- Pro-Ca inhibits GA biosynthesis
- GA stimulates cell/stem elongation

• Pro-Ca has a shorter half-life (<2 weeks in plants, 1 day in soil)

• Commercially available as Apogee/Kudos

## Advantages of canopy management

• Environmental conditions in BC favours vigorous vine growth

- Reduced shoot growth,
  - 1. Improves energy allocation for root and reproductive growth
  - 2. Reduced vine growth and increased root growth may prevent field decline
  - 3. Improves bee access to flowers
  - 4. Improved light penetration can improve fruit color

- Evaluating options for improved root growth
- Increasing fruit set in cranberries

• Comments/suggestions,

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604-378-9638