

Shaping the Future of Plant Breeding in Canada

Canadian Seed Growers' Association (CSGA) AGM

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Breeding Innovation and Crop Germplasm Development

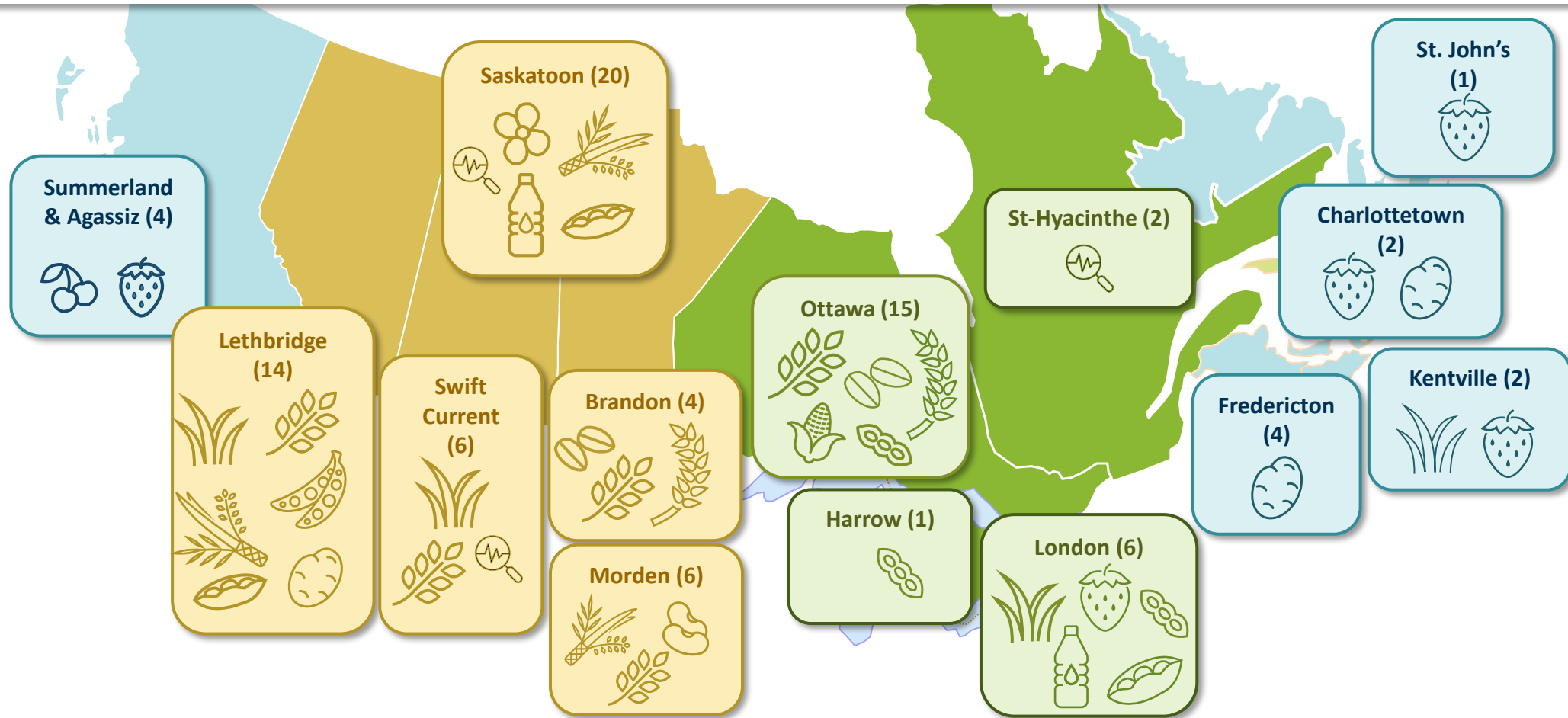


Agriculture and
Agri-Food Canada

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Canada

AAFC Plant Breeding Capacity – a strong national network

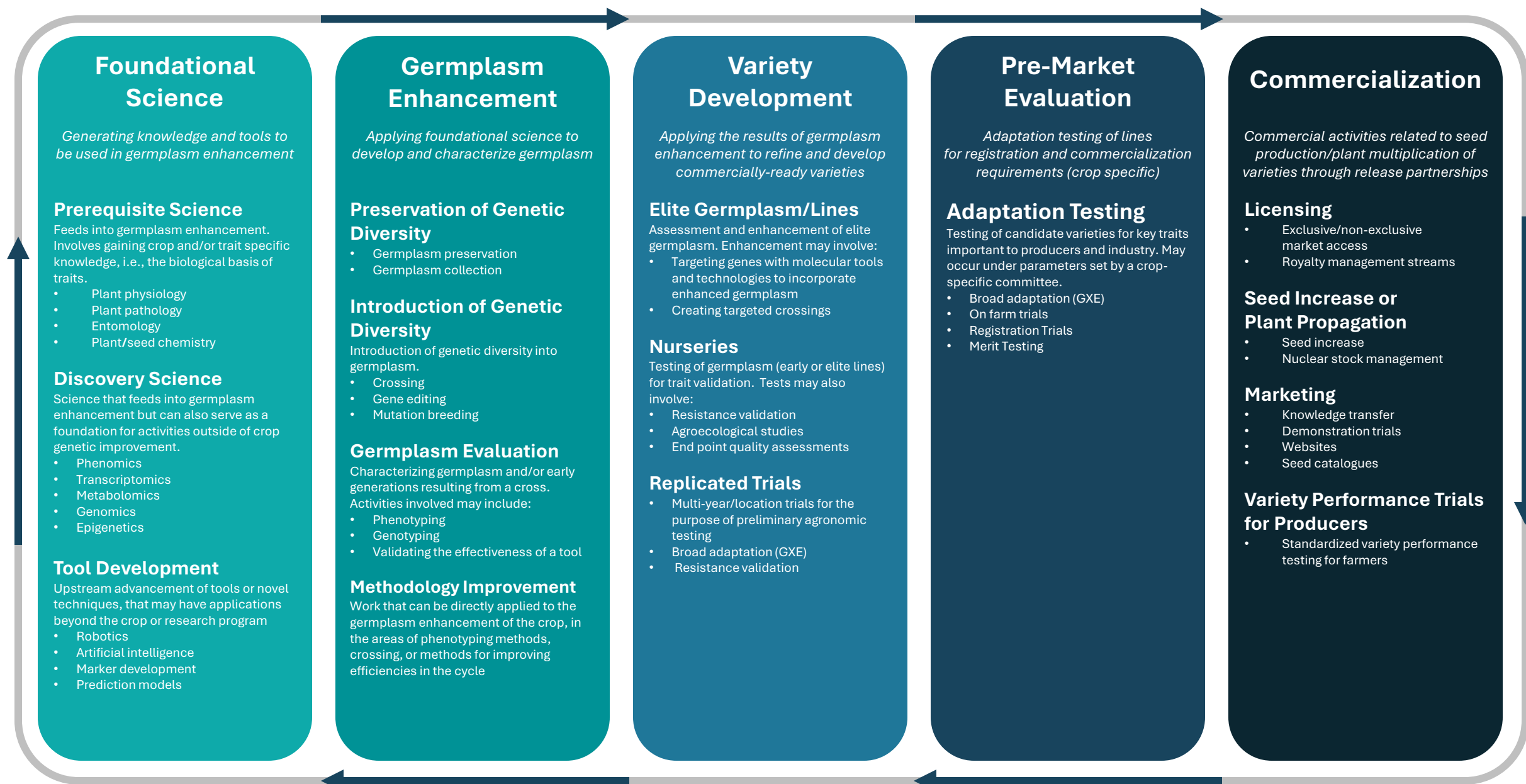


30+ crop species

Strong regional
expertise

Capacity across
major production
zones

Plant Genetics Improvement Continuum



The plant genetics improvement continuum engages a wide array of perspectives and input, including farmers, processors, scientists and more.

*Legislative and regulatory requirements span across all five pillars: Plant Breeders' Rights, Variety Registration Office and Plants with Novel Traits

**A non-exhaustive list of plant genetic improvement activities grouped into five categories that make up the genetic improvement continuum. 1

Delivering Capacity Differently



Maintaining regional relevance through partnerships



Key Challenges Facing the Breeding System

Increasing Complexity

*Climate variability,
evolving pests, shifting
market demands*

System Coordination

*Stronger alignment needed
across the breeding
continuum to deliver
impact*

Expanding Innovation Landscape

*New technologies
increasing both opportunity
and systems demands*

Need for Speed & Efficiency

*Growing expectations for
faster development and
delivery of new varieties*

Teamwork for Success

- Collaboration and co-development remain key
- Partnerships across the continuum amplify capacity and investments
- Better coordination reduces duplication and improves efficiency
- **A connected system delivers high-impact, field-ready varieties**

Key Takeaways

- Strong plant breeding capacity remains
- System is evolving, how work is delivered is changing
- Partnerships are central
- **Strength depends on how we work together across the system**