

Seed Synergy Collaboration

Modernizing the Seed Regulatory Framework

July 8, 2019

Modernizing the Seed Regulatory Framework

Purpose of this Session:

- To have a focused discussion on the functions of the seed system and regulatory environment
- Specifically...**What are your “pain points”?**

Next Steps:

- Discussion will feed the work of the Seed Value Chain Roundtable **Seed Regulatory Modernization Working Group**

Modernizing the Seed Regulatory Framework

Functions of a Next Generation Seed System*

1. Research and Development

Purpose: Discover new traits, and develop new seed varieties.

2. Market Entry and Commercialization

Purpose: Enable new seed varieties for market, based on seed identity and performance or quality criteria.

3. Production and Processing

Purpose: Ensure that the identity and quality of the seed is preserved throughout the production and processing cycle.

4. Sales and Distribution

Purpose: Distribute seeds to customers, and ensure that the identity and quality of the seed is preserved throughout the movement, storage and delivery processes.



* As described in Seed Synergy Collaboration's vision document, "[A Vision for a Next Generation Seed System](#)"

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What are your “pain points”?

Research and Development		
Seed System Function	Users of System	Regulations or Standards
Approval of Seed Traits	Trait developers, variety owners, variety distributors	Plants with Novel Traits (PNT) Requirements
		Food safety and nutritional specifications

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What are your “pain points”?

Market Entry and Commercialization		
Seed System Function	Users of System	Regulations or Standards
Variety Registration	Variety developers, owners or distributors	Variety registration (CFIA)
		Variety certification eligibility (CSGA)
		Plant Breeders' Rights (PBR) applications
		Stewardship requirements
		Designation to grain class, and multi-country market qualification
Seed Importation	Variety owners, developers, distributors, seed growers	Safe Food for Canada Regulations (SFCR), Seeds Regulations, Phytosanitary Requirements

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What are your “pain points”?

Production and Processing		
Seed System Function	Users of System	Regulations or Standards
Personnel are recognized and licensed or accredited	Breeders, seed growers	CSGA Circular 6; CSGA Breeder Seed Standards
	Graders	Seeds Regulations, CSI RSE Standard
	Operators of RSE	Seeds Regulations, CSI RSE Standard
	Seed analysts	Seeds Regulations
Seed is Planted	Breeders, seed growers	CSGA Circular 6
Seed Crop is Inspected	Licensed seed crop inspectors, plant breeders	Specific Work Instructions from CFIA
	Plant breeders	Breeders' internal processes

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What are your “pain points”?

Production and Processing		
Seed System Function	Users of System	Regulations or Standards
Seed is Harvested	Seed growers	N/A
Seed is Processed and Conditioned	Registered Seed Establishments; Approved Conditioners	Registration of Establishments (Part IV, Seeds Regulations), CSI RSE Standard, CSI Tech Manuals
Seed is Tested	Accredited laboratories and analysts	Methods and Procedures for Testing Seed, CFIA
Seed is Graded	Accredited Grader	Grade Tables (Schedule I to the Seeds Regulations)
Seed is Packaged and Labelled	RSE	Packaging and Labelling (Part I, Seeds Regulations)

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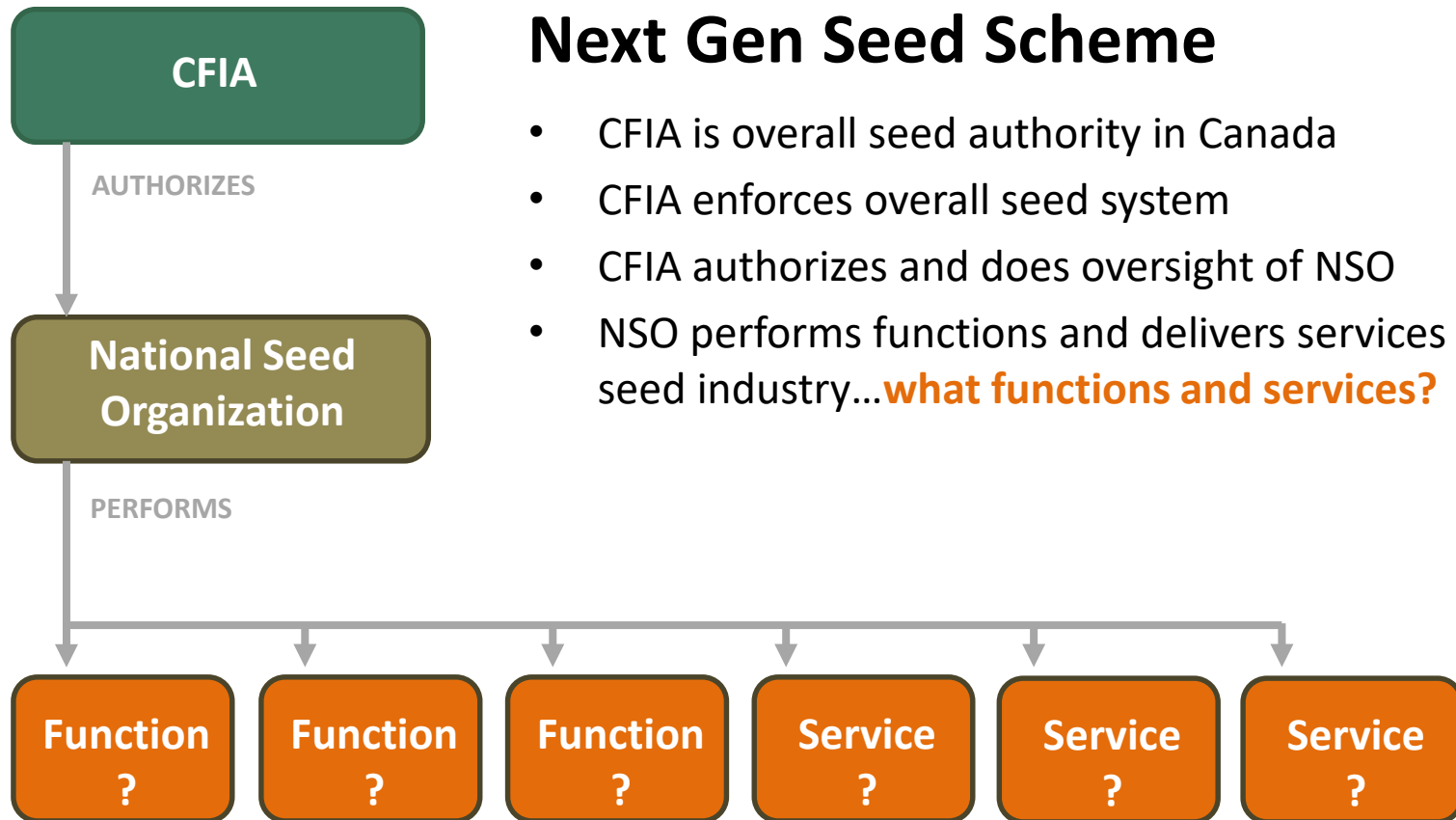
What are your “pain points”?

Sales and Distribution		
Seed System Function	Users of System	Regulations or Standards
Seed is Imported	RSEs; Producers, Seed Companies	Seed Advertising and Importation (Part I, Seed Regulations), Plant Health phytosanitary requirements
Seed is Exported	Seed Wholesalers and Retailers	Plant health phytosanitary requirements, importing country requirements
Seed is Sold	Seed Companies, Seed Wholesalers, Retailers	Seed advertising, grading, labelling, additional information (Seeds Act and Regulations); commercial contracts, stewardship agreements, intellectual property (PBR Act and Regulations)

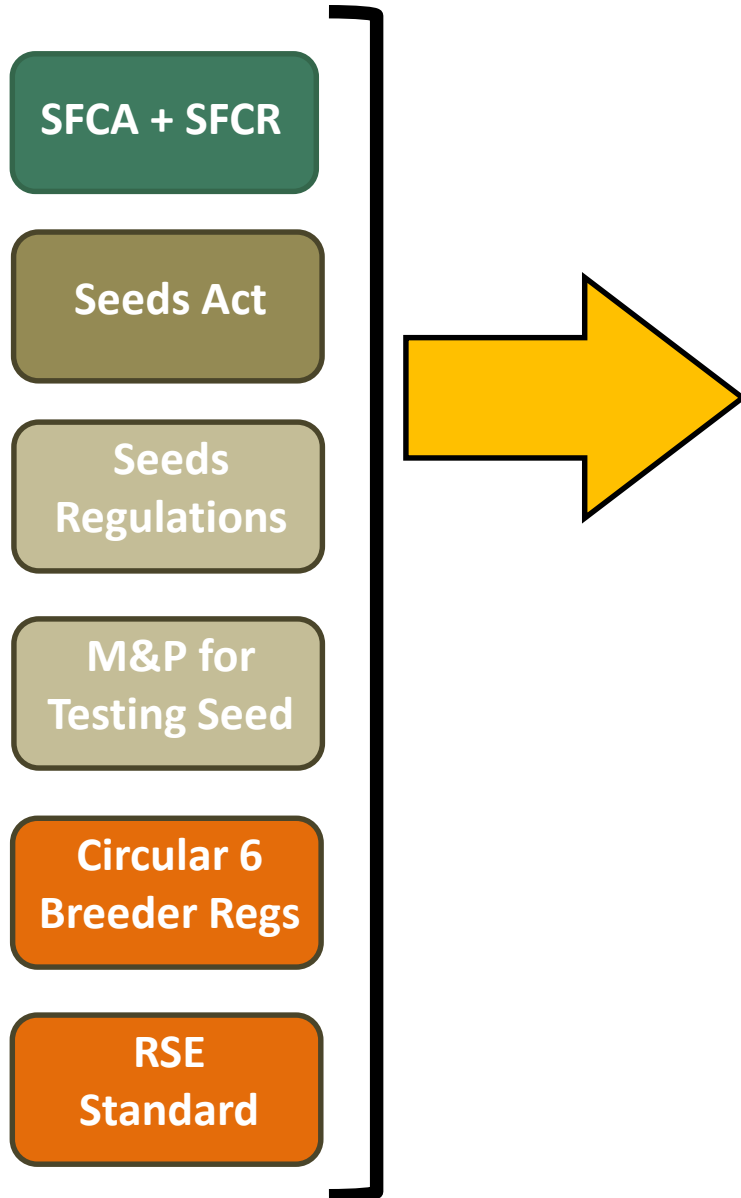
- Are seed customers using information on grades or germination?
- What other information are seed customers asking for?
- Are they asking for other seed testing information?
- What is limiting the use of Certified seed for the production of grain, forage, cover crops?
- What additional steps are needed for greater compliance with PBR, patents and stewardship contracts?

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What functions and services should the NSO perform?



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**What if the Seeds Act
and Seeds Regulations
didn't exist?**

- **Would you create a Seeds Act and Seeds Regulations?**
- **Is so, for what purposes?**

Thank You