



Agriculture and
Agri-Food Canada

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Minor Use Pesticide Program Update

Ian Gardiner

2008 Canadian Minor Use Pesticide
Priority Setting Meeting
Ottawa, April 1-3, 2008

Canada

Minor Use Team

Ian Gardiner
Submission Manager

Helen Penny
QA Manager

Marcos Alvarez
Sites Manager

Stephan Laprise
QA Auditor

Project Coordinators
Mohammed Akalach (F)
Shai Ben-Shalom (I)
Kalidas Subedi (H)
Shirley Archambault (IR-4)
Shiyou Li (NRCAN)

Study Directors
Jennifer Ballantine (F)
Ross Malegus (F)
Sheryl Lonsbary (I)
Brian Ure (I)
Shuhua Liu (H)
Greg O'Neill (H)
Brian Ripley (Chemist)

Bouctouche, NB
Kentville, NS
St-Jean, QC
Vineland, ON
Delhi, ON
Harrow, ON
Scott, SK
Summerland, BC
Agassiz, BC

PC Support
Jean Marc Deschenes
Emna Mezgheni
Olivia D'Souza
Alan Tomlin

Priority Setting
Celine Clermont
France Crochetiere
David Courcelles

Minor Use Program

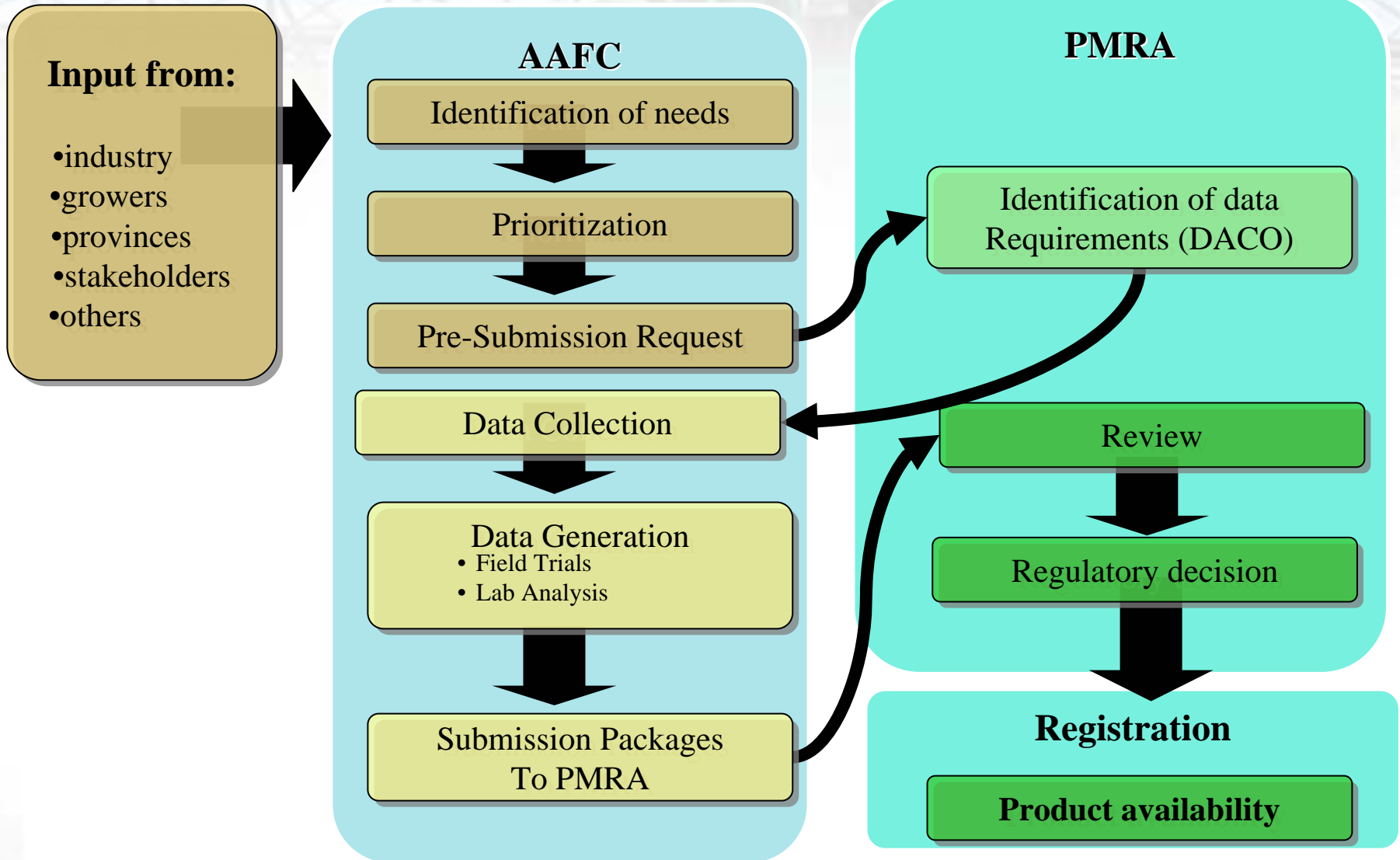
Program objective:

- provide producers with greater access to new minor uses of pesticides and newer technologies

Approach:

- matching pest problems to potential solutions
(MUPP, APWS, Discovery work)

Priority Selection Process



Priority Setting

- Annually in Spring (March/April) – April 1-3, 2008
- The workbook is an amalgamation of grower priorities identified through provincial consultations
- Stakeholders select top 36 priorities at the workshop (10 Herbicide, 10 Fungicide, 10 Insecticide, 5 regional, 1 organic)
- Choose priorities for following year's work (2009 Field Season)

Pre-Submission Consultation Requests

- Following Priority meeting, we:
 - work with the growers, registrants and provincial specialists to develop appropriate use pattern
 - conduct data mining
 - obtain letters of support and draft labels
- Prepare rationales based on existing data and present request to PMRA (Health Canada)
- PMRA evaluates rationales and existing data, determines if additional data is required, and provides list of data requirements, additional data is needed, within ~90 days

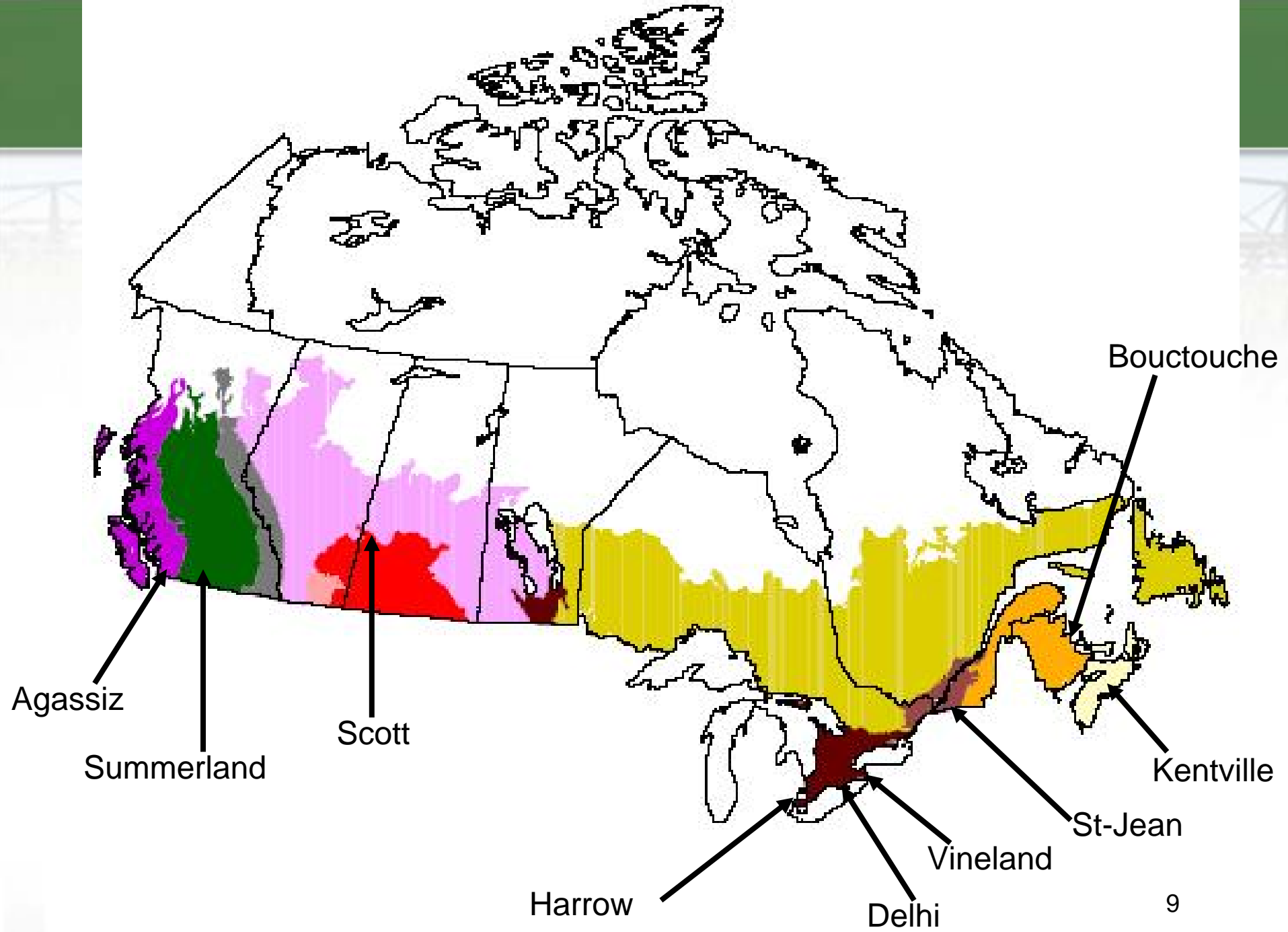
Data Generation – Field Trials

After PMRA determines data requirements, for projects with register active ingredients

- We develop Study Plans
- Research Sites selection trials
 - AAFC sites 1st
 - Contract sites 2nd (RFP)

Data Generation – Field Trials

- Multi-site trials across Canada for each project
- Efficacy
 - ~ 3 per pest
 - non GLP
 - multiyear
 - trials lost due to pest pressure, weather, grower error, etc
- Residue
 - GLP
 - Food Residue testing
 - 2 to 22 per crop per active ingredient
 - Dislodgeable Foliar Residue
 - 0 to 2 per crop per active ingredient
 - used to help determine worker exposure



Data Generation – Laboratory Trials

After the residue trials have been completed (i.e., samples harvested), the samples are sent to a lab for analysis.

- Contracted – Canadian and US labs
- Coordination with registrants for methodology, reference standards
- Labs assigned in July, samples arrive during fall
- Analysis to be completed within ~3 months
- May require freezer storage stability analysis

Preparation of Submission

After all Trials have been completed:

- Finalize efficacy report
- Finalize residue report
- Additional data requirements
(occupational exposure, metabolism, etc)
- Data mining, rationales
- Confirmation of letter of support, labels from registrant
- PMRA requirements – electronic index, submissions
- Crop Group submissions

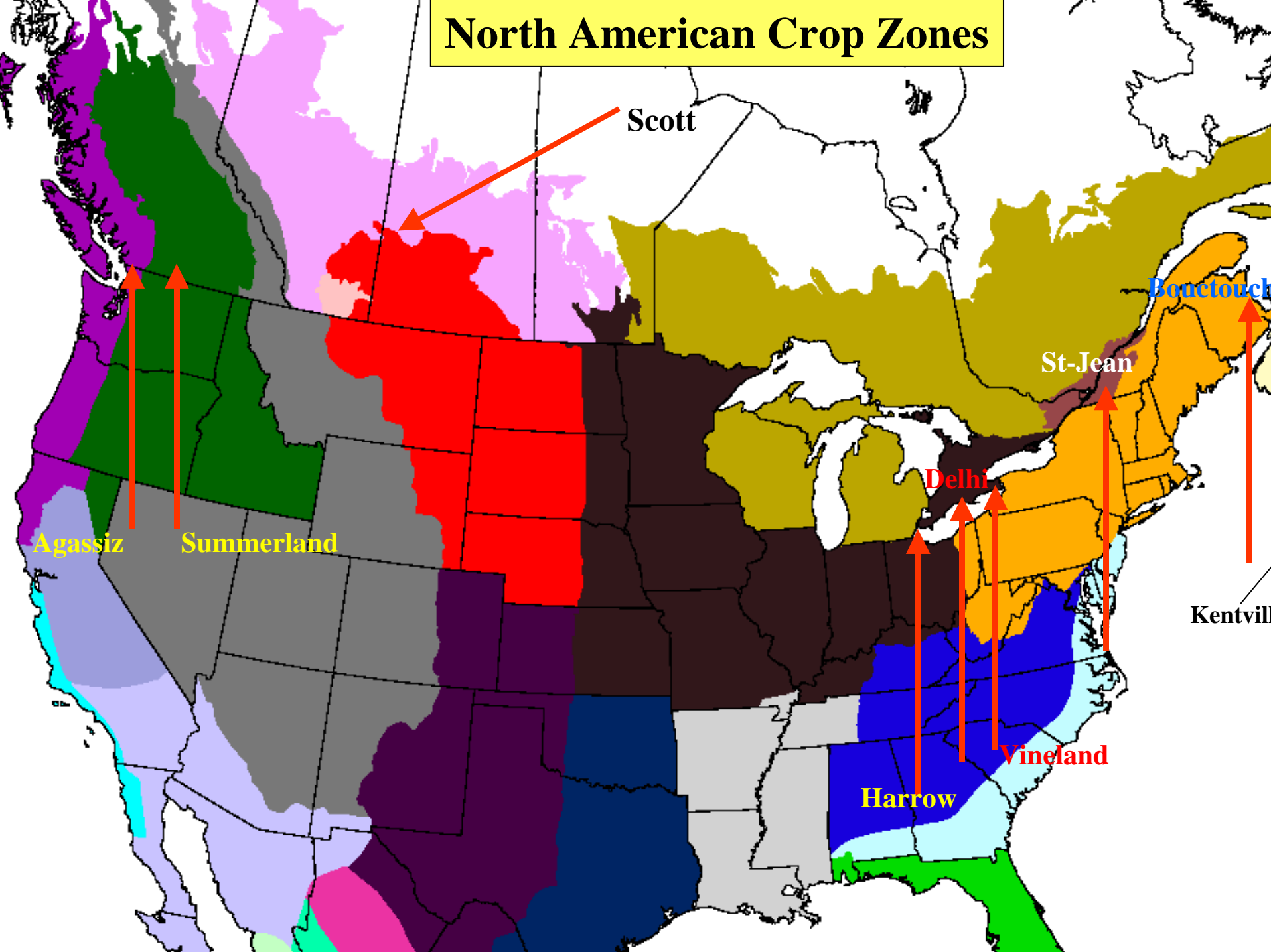
Regulatory Review and Registration

- PMRA (Health Canada) conducts data review
- ~ 8 month timeline for decision
- Registrant must submit final product label (incorporating new use) and \$152 to complete registration

AAFC / IR-4 Interactions

- AAFC Priority Setting meeting
- IR-4 Food-Use Workshop
- IR-4 National Research Planning meeting
 - Additional 10-20 joint projects per year
 - Based on AAFC grower selected priorities
- Company Meetings
 - Promotion of NAFTA and OECD submissions
 - Provides more solutions to Canadian growers
 - Levels the competitive field between NAFTA countries
 - Reduces/eliminates import/export barriers
 - Promotion of MUPP (APWS, Development work)
- Joint Projects
 - Shared work
 - More submissions / registration for Growers

North American Crop Zones



AAFC Accomplishments FY07-08

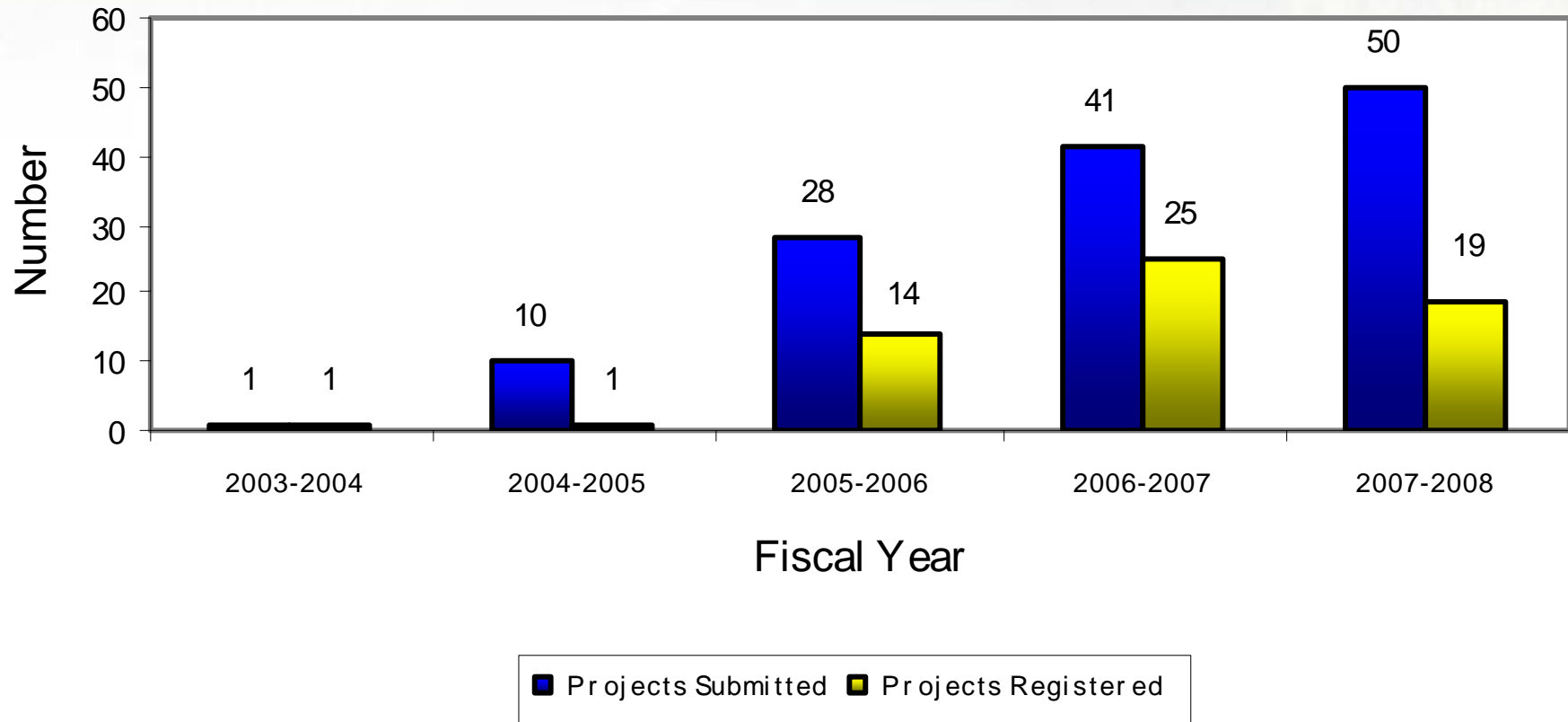
- Data Generation
 - 38 AAFC projects selected (Plan =36)
 - 19 Joint AAFC / IR-4 projects selected (Plan ~20)
 - >507 AAFC field and greenhouse trials
 - ~60 efficacy and residue trials terminated due to:
 - lack of pest pressure
 - inclement weather
 - grower cooperator error
 - Registrant submission
 - 6 Screening Studies (APWS) initiated/completed (Plan = 3)

AAFC Accomplishments FY07-08

- Project Completed and Submitted to the PMRA or Registrant
 - 50 Projects Completed and Submitted (Plan = 40)
 - 43 AAFC (Plan = 32)
 - 7 Joint AAFC/IR-4 projects (Plan = 8)
 - 10 herbicide
 - 25 pathology
 - 15 entomology
 - Benefit to growers
 - >75 new uses
 - on 36 different crops
 - with 28 different products

Minor Use Project Summary

AAFC Projects Submitted and Registered



Project Stats

- Projects completed – 169
 - Submitted – 135
 - Withdrawn – 31
 - Efficacy screening – 3
- Preparing Submission – 4
- Reporting Phase – 106
- Data Generation – 124
- Projects Initiated – 64
- Projects on hold – 11
- TOTAL: 478

Changes to Submission List

CROP	PEST	PRODUCT	ACTIVE INGREDIENT	PROJECT
Bean, dry edible	Potato Leafhopper	GaUCHO 480 FL	imidacloprid	AAFC05-015
Broccoli	Diamondback Moth; Imported cabbage worm	Rimon 10 EC	novaluron	AAFC04-020
Bushberry (Gooseberry)	powdery mildew (<i>Sphaerotheca mors-uvae</i>)	Pristine WG Fungicide	pyraclostrobin; boscalid	AAFC06-018
Cabbage	Diamondback Moth; Imported cabbage worm	Rimon 10 EC	Novaluron	AAFC04-021
Chicory	Labelled weeds	Poast Ultra	Sethoxydim	AAFC03-002
Crambe	Sclerotinia head rot (<i>S. sclerotium</i>)	Proline 480 SC	Prothioconazole	AAFC08-068
cucumber, field	Phytophthora (cucurbits)	Tanos	famoxadone + cymoxanil	AAFC06-017
Flax / Linseed	Sclerotinia head rot (<i>S. sclerotium</i>)	Proline 480 SC	prothioconazole	AAFC08-066
pepper, field	Phytophthora (<i>Phytophthora capsici</i>)	Kocide 2000	copper	AAFC07-075
Radish	Downy mildew (<i>Peronospora</i> spp.)	Ridomil Gold 480EC	metalaxyl-m	AAFC03-006
Radish	Downy mildew (<i>Peronospora</i> spp.)	Ridomil Gold 480SL	metalaxyl-m	AAFC03-111
Saskatoon berry	Gymnosporangium rusts	Pristine WG Fungicide	pyraclostrobin; boscalid	AAFC05-033
Saskatoon berry	Entomosporium leaf spot	Switch 62.5 WG	cyprodinil; fludioxonil	AAFC07-018



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