Current State of Specialty Crop Programs, Initiatives, & Challenges

NAFTA COUNTRIES – CANADA, MEXICO, UNITED STATES

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Support for Minor Uses/Specialty Crops

- **Data Generators**
  - IR-4
    - Growers
    - Universities
    - USDA
  - AAFC – PMC
    - Growers
    - Universities
    - Crop Specialists
    - Provincial Minor Use Coordinators
  - SAGARPA
    - Growers
    - Universities

- **Data Evaluators**
  - EPA
  - PMRA
  - COFEPRIS/SALUD
  - SAGARPA

**Chemical Manufacturers – Registrants.**

- Agriculture and Agri-Food Canada
- Agriculture et Agroalimentaire Canada

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Global Minor Use Summit Rome, Italy
December 3, 2007
Data Generators

- **IR-4 Minor Use Program**
  - Project requests are provided by growers and University Scientist
  - Priorities are set with surveys and workshops.
  - Generates Mostly Magnitude of the Residue data for MRLs – 100 studies/year
  - Conducts joint projects with Canada (15 studies/year) and Mexico (one study/year)
  - Develops some performance/efficacy data and has a biopesticide program
  - Receives funding from USDA
Data Generators

- Agriculture and Agri-Food Canada – Pest Management Center.
  - A list of project priorities are provided by growers, University Scientists, Crop specialists and Provincial Minor Use Coordinators through surveys and workshops
  - Top Priorities are selected at the Annual Priority Setting Workshop
  - Generates Magnitude of the Residue and product performance data
  - 55 to 60 projects per year
Data Generators

• **SAGARPA**
  – Project requests surveys.
  – Generate product performance data
  – Residue data is generated by MFGs
    • Some in cooperation with IR-4
Joint Reviews

• EPA/PMRA Standard Operating Procedures in place
  – Submissions reviewed and registrations approved in both countries at approximately the same time with Similar MRLs
  – Completed Joint reviews
    • Two w/CN 2005
    • Eight w/CN, one with MX 2006
  – Ongoing Joint reviews
    • Eight w/CN
  – Data share – all cooperative projects
  – Total cooperative projects
    • US/CN - 110
    • US/MX - 5
Nature of Participation
other than Joint reviews

• Stakeholder workshops
  – US - Each September
    • US Growers, Scientist, Grower organizations
    • CN and MX participates
    • Other countries often observe
    • EPA, Registrants observe/participate
  – CN – March
    • Grower, Scientists, Crop Specialists, Provincial Minor Use Coordinators, and Grower Organizations
    • US participates
    • PMRA, Registrants observe/participate
  – MX – conducts grower surveys for needs
Nature of Participation

• Joint Projects
  – Overlapping priorities are the source of joint projects and later Joint reviews.

• Share Data
  – Will share data to establish uses and joint MRLs.
  – Once US MRLs are established, MX can export to US.
Program Funding

• Data Generators and Evaluators
  – Data Generators
  • IR-4
    – USDA
      » CSREES – $10.6 Mil
      » ARS – $3.5
    – Mfgs $1.0
  – Growers, Land Grand Universities
  – 27 field centers, 7 analytical labs
  – HQ and Regional offices
  – Ornamental performance trials
  – Biopesticide Grant Program
Program Funding

– AAFC – PMC
  • $12 million annually
    – $8 million for Minor Use
    – $4 Million for Risk Reduction program, and research.
  • Both programs cover food and non-food use
  • 9 AAFC test sites, private contractors, HQ office
  • Various sources of funding for provincial minor use coordinators, commodity groups, and the manufacturers.

– SAGARPA
  • Government funding
  • Grower funding
  • Company support and funding
    – $160,000 avocado project
Program Funding

• Data Evaluators
  – EPA
    • Minor use team – 4 FTEs
    • Reviewers in HED, EFED etc
    • Fee waivers
  – PMRA
    • Minor use team – 4 FTEs
    • HED – minor use assessment section MUAS– food residues – 8 FTE
    • Occupation assessment OEAS
    • Value and Sustainability Assessment Directorate
    • Fee waivers
  – COFEPRIS/SALUD
  – SAGARPA
Minor use Definition

• For low acreage, high value “specialty” crops, with limited pest control options available.

• Economics, cost of data development exceeds potentials sales. Basically - MFGs will not develop data for minor uses.
Minor use Definition

Federal Insecticide, Fungicide, and Rodenticide Act as Amended by the Food Quality Protection Act of 1996

SUBTITLE A--MINOR USE CROP PROTECTION
• SEC. 210. MINOR CROP PROTECTION.
• (a) DEFINITION- Section 2 (7 U.S.C. 136),
• (II) MINOR USE- The term 'minor use' means the use of a pesticide on an animal, on a commercial agricultural crop or site, or for the protection of public health where—

• (1) the total United States acreage for the crop is less than 300,000 acres, as determined by the Secretary of Agriculture; or
• (2) the Administrator, in consultation with the Secretary of Agriculture, determines that, based on information provided by an applicant for registration or a registrant, the use does not provide sufficient economic incentive to support the initial registration or continuing registration of a pesticide for such use and—
  – (A) there are insufficient efficacious alternative registered pesticides available for the use;
  – (B) the alternatives to the pesticide use pose greater risks to the environment or human health;
  – (C) the minor use pesticide plays or will play a significant part in managing pest resistance; or
  – (D) the minor use pesticide plays or will play a significant part in an integrated pest management program.
Outputs

• IR-4 Annual Report
  – Year in review
  – Newsletter
  – Website
    • Post items above
    • Monthly reports
    • Database – update on each project

• AAFC – PMC
  – Newsletter
  – Website
    • Post information
    • Submissions
Outputs

• NAFTA Technical Working Group on Pesticides
  • www.pmra-arla.gc.ca/english/intern/twg-e.html#documents
  • www.epa.gov/oppfead1/international/naftatwg/
    – Meetings
    – Accomplishment Reports
    – Current Project Sheets
    – Joint Reviews (NAFTA-JR Series) - updates
    – Trade Irritants
    – Industry Working Group
Future Initiatives

Continue NAFTA and Global Coordination Activities

• Collection and maintenance of Minor Use Contacts
  • Identify information needs
  • Provide information such as recent minor use approvals, minor use needs (gaps) and current projects

• Seek Collaborative data generation and smarter use of data
  • data extrapolation,
  • use of international data,
  • minimum data requirements, and
  • recognising authorisations

• Conducting joint reviews NAFTA and elsewhere
  • Identify potential joint review projects
  • Develop processes for JR and data development

• Promote Data sharing
  • Establish a mechanism to allow sharing of minor use data or assessments

• Promote crop grouping
  • Continue US/CN UP
  • Develop acceptable criteria for global crop groupings and identify representative crops, if possible
Challenges

• Funding
• Funding
• Funding
??Questions??
Thank You!

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