Crop Grouping Harmonization Effort

Future Plans and Vision

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US Revision Work Plan

- Current Crop Groups - 19
- Future crop group proposals to review – 11
- Orphan commodities – 500
US Revision Work Plan

- Five Crop Groups revisions approved by NAFTA 2006-2007
- Federal Register Rule for three crop groups to be published
- Three amended crop groups are Bulb vegetable group 3, Berry and small fruit group 13, and Edible fungi group 21
US Revision Work Plan

• 2008 – Schedule review of five IR-4 petitions by EPA for Fruiting vegetable, Pome fruit, Stone fruit, Tree nut, and Herb and Spice groups

• 2008 – IR-4/ICGCC petition to EPA for 4 crop groups including Tropical fruits and Leafy vegetables

• Late 2008 EPA Federal Register Rule for 7 crop groups proposed
US Revision Work Plan

• 2009 - IR-4/ICGCC petition to EPA for 7 crop groups including Cucurbit vegetables

• 2010 - IR-4/ICGCC petition to EPA for 9 crop groups including Grass forage, fodder, and hay group

• 2011 – 2012 EPA Federal Register Rule for remaining crop groups proposed
## Proposed Codex Revision Work Plan

- **2008** – Codex (CCPR) reviewing revised Codex Crop Groups for Bulb vegetables and Fruiting vegetables. Compare US, EU, FAO, Japanese, and Codex Commodities
- Reviewing proposals for Edible fungi and Berry and small fruit groups
- **2009** – Codex to review Oilseed, Citrus fruit, Pome fruit, Stone fruit
- **2010** – Codex to review Herbs and spices and Tree nut group
Proposed Codex Revision Work Plan

• 2011 – Review 4 groups including Tropical fruits

• 2012 – Review 5 groups including Legume vegetables

• 2013 – Review 8 groups including Cereal grains

• 2013/2014 – Codex revision to Foods and Animal Feeds Classification
**Crop Grouping Proposal Analysis By EPA**

- ICGCC develops Crop Grouping options suggests adding orphan crops and possible subgroups

- IR-4 submits petition to EPA for analysis

- EPA crop grouping specialist reviews petition prepare analysis and presents recommendations to HED ChemSAC

- HED ChemSAC is a group of residue chemist experts that reviews policies
Crop Grouping Proposal Analysis by EPA

- ChemSAC sends analysis to Canada, PMRA and Mexico for their review.

- ChemSAC approves recommendations with PMRA.

- Crop Group proposal then becomes NAFTA approved. EPA Registration Division implements the crop group changes.

- Federal Register Crop Group Regulation is prepared by EPA to incorporate crop changes.
Phase I
Interim Decisions & Implementation

IR-4 crop grouping petitions → RD Minor Use Branch Chief

RD Minor Use Branch Chief → B. Schneider Analysis & summary

B. Schneider Analysis & summary → ChemSAC Approval

PMRA Implements → Minor Use Branch implementation
Phase II
EPA Rulemaking Process

Select & convene a Federal Crop Grouping Regulation Workgroup

Workgroup submits regulatory decision package

Publication of proposed rules for public comments

Reviewed by EPA, USDA, FDA, & the OMB

Publication of final rules
Example Crop Group Revision

- Bulb vegetable group 3
- Original group is 7 commodities
- Approved 26 total commodities
- Crop subgroups
  - None in original group and
  - Two approved in amended group
    - Green onion
    - Bulb onion
Need for Harmonized Commodity Nomenclature

- Harmonize MRL (Tolerance) terms for use by Registration Specialists

- International Standardization of MRL Nomenclature for Global understanding of data requirements
Harmonized Commodity Nomenclature

- Update of Recognized Crop Scientific Names
- Add Orphan commodities to Crop Groups
- Standardized Labeling for Crop Groups
Commodity Nomenclature

- EPA Food And Feed Commodity Vocabulary
- Clarification Of Tolerances Terminology
  - Example: Alfalfa (25 Terms)
    - Alfalfa
    - Alfalfa, fresh
    - Alfalfa, green
    - Alfalfa, forage and hay
Commodity Nomenclature

• Now we have only two tolerance terms for Alfalfa:
  – Alfalfa, Forage
  – Alfalfa, Hay
• Globally commodities may have multiple names
  – Example: Alfalfa is called Lucerne
  – Soybean is referred to as Soyabean
  – Corn is called Maize
Commodity Vocabulary

• Commodity Tolerance/MRL Workgroup
  – Database of 15,000 lookup terms
    • 1,500 preferred commodity terms

• The EPA Food And Feed Commodity Vocabulary
  – (http:www.epa.gov/pesticide/foodfeed)

• Vocabulary update
  – New changes in crop groups starting 2008
Dietary Risk

• Incorporated EPA Crop Groups Into Recipe Translations
• Created Food Consumption Vocabulary
• Update Food Consumption as Crop Groups are Amended or New Crop Groups are Developed
EPA Food Commodity Code System

13 02 057 1 = Blueberry Baby Food

- Position 1-2: Crop Group
- Position 3-4: Crop Subgroup
- Position 5-7: Food (Alphabetical Order)
- Position 8: Baby Food Y/N
Future Crop/Commodity Groupings

• Ornamental crop groups
  - Useful for occupational exposure analysis and efficacy considerations
  - Proposed 15 ornamental crop/plant Groups
    • Related Groups To Worker Exposure Practices
    • Based Also On Leaf Variations And Cultural Practices

• Medicinal Plant Crop Groups
  – Useful because of need to control pest problems
Valuable Resource Work on Third Edition

Food And Feed Crops Of The United States. 1998. G. Markle, J. Baron, B. Schneider. Second Ed.

Expanding Global Crop Knowledge
Crop Grouping Vision

- Expanded Crop Grouping Scheme
- Standardized Commodity Vocabularies
- International Harmonization of Crop Classification
- “Green Book” 3rd edition