



## SPS COMMITEE THEMATIC SESSION ON TRADE FACILITATIVE APPROACHES TO PESTICIDE MRLS, INCLUDING SUBSTANCES NOT APPROVED FOR USE IN AN IMPORT MARKET









# Registrant Experiences MRL Enforcement: Trade impact & Food for Thought

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#### **Outline**

**Trade Impact on Food Standards** 

**MRL Compliance Policies** 

**Trade Facilitating Solutions** 

**Food for Thought** 





#### **Trade Impact on Food Standards**

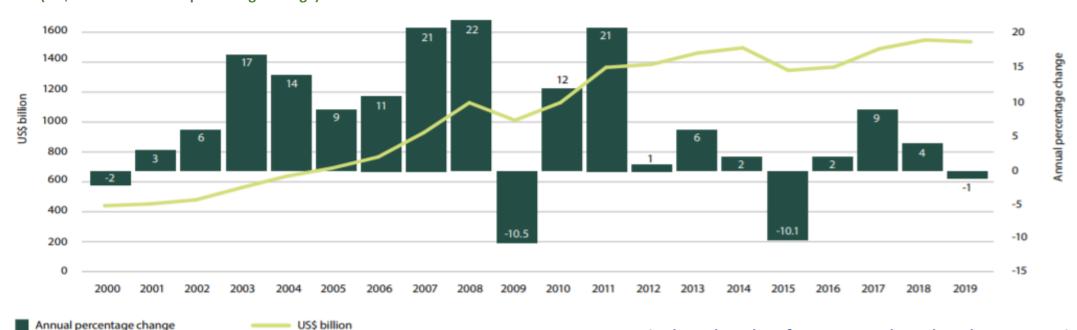




**World Trade Statistical Review 2020** 

World trade in food products showed export increased on average by 7 per cent per year between 2000 and 2019

Chart 4.4
World exports of food, 2000 – 19
(US\$ billion and anual percentage change)



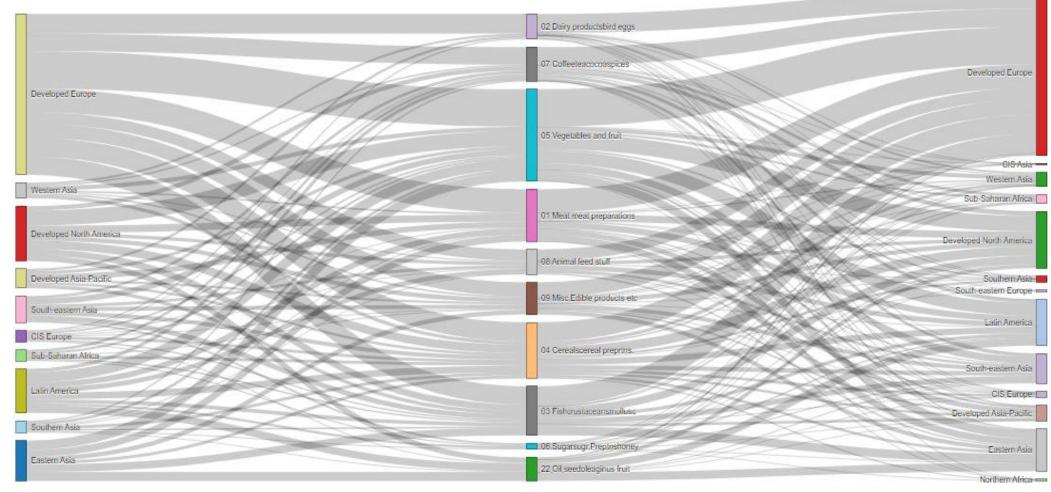
Source: WTO Secretariat based on data from Comtrade and Trade Data Monitor.

#### **Food Security, Safety, Trade Standards**

- Food Security INCREASE
- Food Trade INCREASE



#### **MORE MRLs are NEEDED!**



**UN-COMTRADE 2015-2020 Agricultural Trade Flow (38 commodities, 195 countries)** 



#### **Food Trade Standards**

Primary Standards:
MRL & IT
(Regulatory)

**Maximum Residue Limits** 

**Import tolerances** 

- ~ 110 countries publish MRLs
  - ~ 14 countries set MRLs based on local studies.
  - ~ 70 countries adopt Codex MRLs.
- ~ MRL are available for 900+ pesticides, on 700+ crop commodities

Secondary Restrictions (Private)

























#### **Monitoring Methods**

## 1. Official Methods – multi-residues & validated

- US PAM I & PAM II, EU DG-SANCO D-19, Codex Guideline
- Flexibility for sanctions 40-50% over default monitoring level (0.01ppm)
  - ✓ <u>APEC Compendium</u> for MRL enforcement



- 2. Private Monitoring –multi-residues & validated (GC/LC- MS/MS)
- **3.** Production Compliance Monitoring –variety of methods (QuEChERS), with/without validation



## Global Economic Impact of Missing and Low Pesticide Maximum Residue Levels

#### MRL Volume 1 – July 2020

- Chapter 5: Costs & Effects of low & missing MRL
- Chapter 6: Efects of Trade policies on MRL in Economic Literature

#### MRL Volume 2 – April 2021

- Chapter 3: Economic Effects of MRLs (gravitational models)
- Chapter 4: MRL Policy Effects on agricultural production, and income of small farmers

https://www.usitc.gov/publications/332/pub5160.pdf





#### **Direct trade effects**

MRL Estimates	Heterogeneity	Stringency	
Tropical	Trade	Import	
fruit	decreasing	Increasing	
Temperate	Trade	Import	
fruit	decreasing	decreasing	
Beans and	Trade	Import	
peas	decreasing	decreasing	

#### **Global effects (direct + indirect)**



- EU countries experience the largest effects of changes to EU MRLs
- Countries with close trading relationships or that follow EU MRLs have some significant impacts
- Most other countries face limited impacts
  - Countries shift trade to/from other sources or destinations
- MRLs have compounding and offsetting effects



#### **MRL Effects - Banana Producers: Costa Rica**

#### • Left with few pesticides, lots of pests, need 5+ years for new registrations!

**Table 4.3** Estimated effects of missing and low EU MRLs on the Siquirres Banana Farm's income statement

900 49.2 44,280 44,280 453.00	900 21.0 18,863 18,863 453.00	46.1 41,490 41,490
44,280 44,280	18,863 18,863	41,490 41,490
44,280	18,863	41,490
-		
453.00	453.00	453.00
228	438	252
73	171	78
301	609	330
058,840	8,545,066	18,795,133
095,712	8,267,301	10,449,062
228,038	3,228,038	3,228,038
323,749	11,495,338	13,677,099
735,091	-2,950,272	5,118,034
33.6	-34.5	27.2
	73 301 058,840 095,712 228,038 323,749 735,091	73 171 301 609 058,840 8,545,066 095,712 8,267,301 228,038 3,228,038 323,749 11,495,338 735,091 -2,950,272

Source: USITC estimates; Government of Costa Rica, MAG, SEPSA, "Boletín Estadístico Agropecuario" (bulletin of agricultural statistics), April 2020, 30; FAOSTAT database (accessed August 12, 2020); Government of Costa Rica, MAG, SEPSA, "Modelo de Costos de Producción, Plátano" (production cost model, bananas), 2019; volume 1, 219–30. For more detail on the sources for these data, see appendix G.



#### **MRL Solutions**

#### **MRL Toolbox**

There is no general solution, each country needs different approach(s)



## **Transitional Plan**

#### OECD Mutual Acceptance of DATA (MAD)

- IT based on MRL in export country (APEC IT 2016)
- No data review
- Risk based on importing country diets

### Positive List System

- For "missing" MRLs
- Highest MRL
- Risk for local, or global diets
- Distinct residue definition treated as case-by-case

## **Enhanced Codex**

- 1<sup>st</sup> national review triggers
- Codex global risk& MRL
- All members to adopt MRL, or
- Suggest increase, repeat the process

**UNIQUE GLOBAL SYSTEM FOR TRADE STANDARDS** 



#### **Opportunities for Harmonization**

### X

#### **IMPORT TOLERANCES**

- Exponential increase in demand, current duplicated reviews in so many countries are not sustainable
- Recognition of production country MRL as IT in importing country (OECD)
  - Based on acceptable risk to consumers in importing country (APEC)
- Import Tolerance regulations needed in key countries (China, Brazil)
- MRL need 5 years transition to find substitutes before drop to default

#### **MISSING MRLs increased productivity**

- Tolerance Exemption implementation in more countries
- MRL by category in more countries
  - inadvertent uses (rotated crops, drift, etc)
  - MRL food-handling uses
- ONE MRL globally (enhanced Codex)



Food Security. Freedom to Trade. Food Safety.



#### THE ONE MRL - CONCLUSION



**1.** More MRL are needed than what can be set Supporting 300+ free trade agreements (and counting)



- 2. Harmonization is not possible for so many type of food standards
- **3.** Food standards need to be global Codex needs enhancement to be adopted by all

Many Thanks for the Attention!

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