

# AUSTRALIAN **GRAIN STORAGE & PROTECTION** CONFERENCE

MRLs & Trends  
Markets

in

1 April 2020

Meeting Market Requirements

BROUGHT TO YOU BY THE NATIONAL WORKING PARTY ON GRAIN PROTECTION (NWPGP)

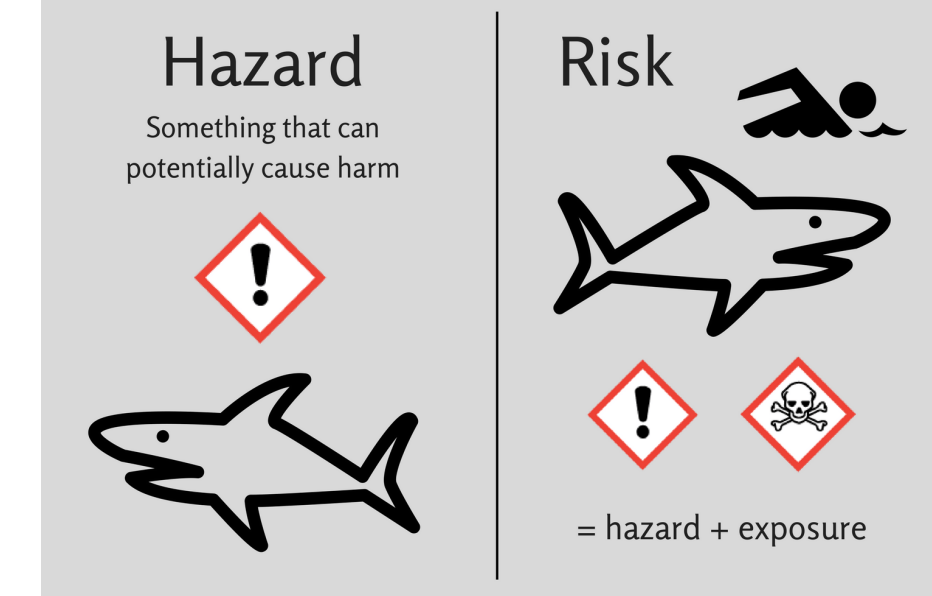


G McMullen, Chair NWPGP (funded  
by GRDC)



# Export Market Trends

- Increased awareness from consumers driving changes
  - Perception of food safety, hazard v risk
  - Chemical availability threatening
    - Viability of grain production/supply/trade practices in regions
    - Food security
    - Quality of our product produced and exported / competitiveness
  - Risk of sustainability / long term viability of particular crop industry
  - Review of chemicals to ensure “still safe”
  - Trend towards developing / more regulations
  - In general requiring lower MRLs / no chemicals
  - Increased scrutiny of residues on food/stockfeed as a of “food safety”



## Export Market Trends

- **Increase in MRL regulation nationally**
  - **Greater reliance on Codex but now moving to use Codex differently**
- **Increases in trade flows cause market access issues where**
  - **Market has no MRL**
  - **Market doesn't apply Codex**
  - **There is no Codex MRL**
  - **Market does not have a default policy**
  - **Market applies a low LOD**
- **If some-one else does something, so will we**
- **Lack of transparency in forthcoming reviews/MRL to be developed**



# Export Market Trends

- **Increase in sampling/testing and residue monitoring both at import and within country**
  - **Increased technology leads to lower LODs**
  - **But no residue definition consistency**
  - **But no agreed sampling or testing methodology**
- **Onus on suitable management systems in exporting countries increasing v sampling/testing in the past**



**Traceability ?**



# Export Market Trends

- **Specific chemicals being reviewed are always under threat**
  - Lack of data to support (new and old data)
  - Limited sales/use
  - Old chemistry moving to new strategies
  - Generic compounds
  - Unsupported compounds
- **Specific chemicals/practices under increased scrutiny**
  - Organophosphates, Endocrine Disruptors
  - Aerial application
  - Residue carry-over
  - Off label use



# Interpreting Market Regulations Example (as at 1 April 2020)

Regulatory Item	Australia	Codex
Regulations	Has its own MRL Standard	Has its own MRL Standard
Food MRLs	Separate list for food for Human Consumption as Table 1 in <a href="https://www.legislation.gov.au/Series/F2019L01105">https://www.legislation.gov.au/Series/F2019L01105</a>	MRLs listed for both Human Consumption and Stockfeed in the one MRL Standard at <a href="http://www.fao.org/fao-who-codexalimentarius/codex-texts/dbs/pestres/pesticides/en/">http://www.fao.org/fao-who-codexalimentarius/codex-texts/dbs/pestres/pesticides/en/</a>
Stockfeed Regulations	Separate list for food for Stockfeed as Table 4 in <a href="https://www.legislation.gov.au/Series/F2019L01105">https://www.legislation.gov.au/Series/F2019L01105</a> . If no stockfeed MRL listed, grain for stockfeed must apply whole grain MRL listed in Table 1	MRLs listed for both Human Consumption and Stockfeed in the one MRL Standard at <a href="http://www.fao.org/fao-who-codexalimentarius/codex-texts/dbs/pestres/pesticides/en/">http://www.fao.org/fao-who-codexalimentarius/codex-texts/dbs/pestres/pesticides/en/</a>
Import Tolerance System	Has a separate FSANZ set of MRLs <a href="https://www.legislation.gov.au/Series/F2015L00468">https://www.legislation.gov.au/Series/F2015L00468</a> which includes Import Tolerances	n/a
Deferral System	No – do not defer to any other market MRLs	No – do not defer to any other market MRLs
Default System	No default system for a missing MRL	No default system for a missing MRL
If no MRL exists	Zero mg/kg applies (0mg/kg)	Zero mg/kg applies (0mg/kg)

# Interpreting Market Regulations Example (as at 1 April 2020)

Regulatory Item	Australia	Codex
List of Prohibited Chemicals	Yes	No, but does delete MRLs based on a range of factors including dietary intake concerns
List of Chemicals / Uses not requiring an MRL	Yes – Table 5	No
List of Extraneous MRLs (residues arising from environmental sources)	Yes	Yes
Residue Definition	Yes – Table 3	Yes – for each chemical
Applies Crop Group or individual commodity MRL	Both crop group via common grains only and individual commodity	Both – individual commodity and crop group applies (may be more than one crop group). Is being reviewed.
Description and Listing of Crop Groups if applicable	Yes – separate to MRL Tables. Applies Codex Crop Groups	Yes – in MRL database
Listing of Portion of Commodity to which MRL applies	Yes – Table 2	Yes – via commodity code names
Frequency of Updates to MRLs	Approximately every 5 weeks	Annually recommendations considered by CCPR and provided to Codex Alimentarius Commission
Follows SPS Procedure	Yes	n/a
Prior notice given of impending changes	Yes	Yes – via JMPR recommendations to CCPR



## Specific wheat MRLs as at 6 Jan 2020

Chemical	Codex	Australia	Indonesia	Vietnam	Philippines	South Korea	China	Japan	Malaysia	Yemen
Deltamethrin	2	2	"AUS"	2	2 (Codex)	2 (IT)	0.5	2	2 (Codex)	2 (Codex)
Diquat	0	2	2	2	0	2 (expires 31Dec21)	2	2	0.01 Default	2 (GCC)
Glyphosate	30	5	"AUS"	30	30 (Codex)	5 (IT)	5	30	30 (Codex)	30 (Codex)
Chlorpyrifos - methyl	3	10	10	10	3 (Codex)	3 (IT)	5	10	3 (Codex)	3 (Codex)
Piperonyl butoxide	30	20	"AUS"	30	30 (Codex)	0.2 (expires 31Dec21)	0	24	30 (Codex)	30 (Codex)
Fenitrothion	6	10	"AUS"	6	6 (Codex)	0.2 (expires 31Dec21)	5T	1	10	6 (Codex)

Note – variations may exist and the above may thus alter over time