



China National Center for Food Safety Risk Assessment



Outputs of the Codex Committee on CCRVFD

Udanbor B, Mongolia

Background on the Committee

Codex Committee on Residues of Veterinary Drugs in Foods

- ❑ Date: 13-17 February 2023
- ❑ Session: 26
- ❑ Location: Portland, Oregon, United States of America
- ❑ Participation of CCASIA Countries: Bangladesh, India, Indonesia, Japan, Philippines, Republic of Korea, Singapore, Thailand.



Key Outputs of Committee Discussions

Items Recommended for Adoption at Step 5/8

MAXIMUM RESIDUE LIMITS (MRLs) for Veterinary Drugs in Foods

- IVERMECTIN (Broad-spectrum antiparasitic agent) (pigs, sheep and goats – fat, kidney, liver and muscle)

Maximum residue limits (MRLs)

Species	Muscle (µg/kg)	Liver (µg/kg)	Kidney (µg/kg)	Fat (µg/kg)
Pigs	15	30	20	50
Sheep and goats	30	60	20	100

- Discontinuation of the work: Previous MRLs for ivermectin (sheep, pigs and goats – fat, kidney, liver and muscle)

- NICARBAZIN (Coccidiostat) (chicken)

Maximum residue limits (MRLs)

Species	Muscle (µg/kg)	Liver (µg/kg)	Kidney (µg/kg)	Skin with fat (µg/kg)
Chicken	4000	15 000	8000	4000

Key Outputs of Committee Discussions

Items Recommended for
Adoption at Step 5/8
Extrapolation of MRLs:

Ruminants (10):

1. Amoxicillin – extrapolation to ruminants

Species	Tissue	MRL ($\mu\text{g}/\text{kg}$)	Note
All other ruminants	Muscle	50	MRL extrapolated
All other ruminants	Fat	50	MRL extrapolated
All other ruminants	Liver	50	MRL extrapolated
All other ruminants	Kidney	50	MRL extrapolated
All other ruminants	Milk	4	MRL extrapolated

2. Benzylpenicillin – extrapolation to ruminants

Species	Tissue	MRL ($\mu\text{g}/\text{kg}$)	Note
All other ruminants	Muscle	50	MRL extrapolated
All other ruminants	Liver	50	MRL extrapolated
All other ruminants	Kidney	50	MRL extrapolated
All other ruminants	Milk	4	MRL extrapolated

Items Recommended for Adoption at Step 5/8 ; Extrapolation of MRLs

3. Tetracyclines - extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	200	MRL extrapolated
All other ruminants	Liver	600	MRL extrapolated
All other ruminants	Kidney	1200	MRL extrapolated
All other ruminants	Milk	100	MRL extrapolated

4. Cyhalothrin - extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	20	MRL extrapolated
All other ruminants	Fat	400	MRL extrapolated
All other ruminants	Liver	20	MRL extrapolated
All other ruminants	Kidney	20	MRL extrapolated
All other ruminants	Milk	30	MRL extrapolated

5. Cypermethrin - extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	50	MRL extrapolated
All other ruminants	Fat	1000	MRL extrapolated
All other ruminants	Liver	50	MRL extrapolated
All other ruminants	Kidney	50	MRL extrapolated

6. Deltamethrin - extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	30	MRL extrapolated
All other ruminants	Fat	500	MRL extrapolated
All other ruminants	Liver	50	MRL extrapolated
All other ruminants	Kidney	50	MRL extrapolated

7. Moxidectin - extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	20	MRL extrapolated
All other ruminants	Fat	500	MRL extrapolated
All other ruminants	Liver	100	MRL extrapolated
All other ruminants	Kidney	50	MRL extrapolated

Items Recommended for Adoption at Step 5/8 ; Extrapolation of MRLs

8. Spectinomycin -extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	500	MRL extrapolated
All other ruminants	Fat	2000	MRL extrapolated
All other ruminants	Liver	2000	MRL extrapolated
All other ruminants	Kidney	5000	MRL extrapolated
All other ruminants	Milk	200	MRL extrapolated

9. Levamisole extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	10	MRL extrapolated
All other ruminants	Fat	10	MRL extrapolated
All other ruminants	Liver	100	MRL extrapolated
All other ruminants	Kidney	10	MRL extrapolated

10. Tilmicosin extrapolation to ruminants

Species	Tissue	MRL (µg/kg)	Note
All other ruminants	Muscle	100	MRL extrapolated
All other ruminants	Fat	100	MRL extrapolated
All other ruminants	Liver	1000	MRL extrapolated
All other ruminants	Kidney	300	MRL extrapolated

All other Finfish:

11. Deltamethrin extrapolation to finfish

Species	Tissue	MRL (µg/kg)	Note
All other finfish	Muscle	30	MRL extrapolated

12. Flumequine extrapolation to finfish

Species	Tissue	MRL (µg/kg)	Note
All other finfish	Muscle	500	MRL extrapolated

Other Items Discussed by the Committee: New Work

Approval for New Work

The Priority list of veterinary drugs for evaluation or re-evaluation by JECFA (Parts I and V)

- Part I. Veterinary drugs for inclusion in the Priority List for JECFA evaluation / re-evaluation: Amoxicillin, Clopidol, Fumagillin, Imidacloprid, Ethoxyquin
- Part V. Compounds for which CCRVDF will consider extrapolation of Codex MRLs to additional species: Lufenuron, Emamectin Benzoate and Diflubenzuron extrapolation to Finfish



Other Items Discussed by the Committee

Responsible Party	Purpose	Text/Topic	Code	Step
EWG on Extrapolation (EU)/CCRVD27	Drafting/ Comments/ Consideration	<ul style="list-style-type: none"> • continue to evaluate the extrapolated MRLs for different combinations of compounds/ commodities; • summarise available information on the distribution of compounds in different edible offal tissues with a view to evaluating the possibility of extrapolating MRLs to edible offal tissues other than liver and kidney; • examine opportunities to enhance the current criteria's potential for extrapolation across species where justified, such as between ruminants and camels as well as between milk of different species; and • consider the extrapolation of MRLs for lufenuron, emamectin benzoate and diflubenzuron in finfish. 		
EWG on Action levels (Australia and Canada) CCRVD27	Drafting/ Comments Consideration	Continue work on the criteria and procedures for the establishment of action levels for unintended or unavoidable carryover from feed to food of animal origin including a pilot study on nicarbazin and other compounds		

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EWG on Action levels (Australia and Canada) CCRVDF27	Drafting/ Comments Consideration	Continue work on the criteria and procedures for the establishment of action levels for unintended or unavoidable carryover from feed to food of animal origin including a pilot study on nicarbazin and other compounds		

Other Items Discussed by the Committee

<p>CCPR/CCRVDF EWG (USA and Brazil) CCRVDF27</p>	<p>Discussion/ Comments/ Consideration</p>	<ul style="list-style-type: none">• develop a list of compounds with dual use as a pesticide and veterinary drug for which no or only one Codex MRL have been established and that member countries will provide the information to populate this list;• identify dual-use compounds that have different Codex MRLs for the similar edible commodity of animal origin and recommend on a case-by-case basis, a single, harmonized MRL(s) for the compound(s) and affected commodity(ies). The EWG might recommend that CCRVDF/CCPR consider selecting the higher MRL value; and• to consider the matter related to harmonized food descriptors to be used by JECFA/JMPR.
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Summary of EWG to be Activated for Upcoming Period

EWG that will continue to subsequent to this session of the Committee

- ❑ *Re-establish the EWG to consider veterinary drug residue distribution data from public sources and make proposals to CCRVDF27.*
- ❑ *EWG on Extrapolation (EU)/CCRVDF27*
- ❑ *EWG on Action levels (Australia and Canada) CCRVDF27*
- ❑ *CCRVDF EWG on extrapolation and the CCPR EWG on the revision of the Classification of Food and Feed (CXA 4-1989)*
 - to work separately until such a time there is sufficient data and experience to support the development of a common mechanism for consolidation of edible offal hierarchical classification
- ❑ *CCPR/CCRVDF EWG (USA and Brazil) CCRVDF27*



Opening the Discussion

Items for Discussion at the CCASIA Colloquium, Stemming from Committee Conclusions

Standards recommended for adoption

- *MRLs for Ivermectin (pigs, sheep and goats – fat, kidney, liver and muscle),*
- *MRLs for Nicarbazin (chicken)*
- *Extrapolation of MRLs for Ruminants and Finfish*
- CCRVDF further agreed to discontinue work on the previous MRLs for ivermectin (sheep, pigs and goats – fat, kidney, liver and muscle) at Step 7 (Agenda Item 6.1) and to inform CAC46 accordingly.

Standards / Draft texts underway

- The priority list of veterinary drugs for evaluation or re-evaluation by JECFA and other parts of the priority list (PWG)
- *Extrapolation of MRLs for edible offal tissues, Lufenuron, emamectin, benzoate and diflubenzuron in finfish.*

Members were encouraged to submit consumption data on edible offal to the FAO and WHO databases to assist with the discussion on extrapolation of MRL for veterinary drugs to edible offal tissues

New work

- *Priority list of veterinary drugs for for evaluation or re-evaluation by JECFA, for approval as a New work*



