





ANALYSIS OF AGENDA ITEMS IN PREPARATION FOR THE 53rd SESSION OF THE CODEX COMMITTEE ON PESTICIDE RESIDUES

4th – 8th and 13th JULY 2022 - Virtual Meeting

AGENDA ITEM 5(b) – Report on responses to specific concerns raised by CCPR arising from the 2021 JMPR regular meeting (at Step 7)

AGENDA ITEM 6 – MRLs for Pesticides in Food and Feed (at Steps 7 and 4)

Objectives

This document offers a review and analysis of the agenda items planned for discussion at the 53rd session of the **Codex Committee on Pesticide Residues (CCPR)**, scheduled to take place virtually July 4th – 8th and 13th, 2022. This document is intended for possible use by the Codex communities of practice, promoted by <u>GFORSS</u> and <u>PARERA</u>, as part of their contribution to enhancing awareness and supporting effective participation in international food standard setting meetings (Codex meetings) by representatives from members and observers.

The analysis provided in this document offers a factual review of agenda items, their background and a discussion of some considerations. This analysis is indicative in nature and does not represent an official position of the organizations mentioned above (<u>PARERA</u> and <u>GFORSS</u>), their membership or their management. It provides a synthesis and analysis of the work currently under discussion by the CCPR, which may be useful for delegations from Arab countries to prepare their positions taking into account the needs and specificity of the region and the potential impact of the proposed food standards.

This analysis is prepared as part of the **Codex Initiative for the Arab Region**: **Arab Codex Initiative**, implemented by <u>PARERA</u> and <u>GFoRSS</u>, hosted and coordinated by the <u>Arab Industrial Development</u>, <u>Standardization and Mining Organization (AIDSMO)</u> and funded by the US Codex Office, US Department of Agriculture.

The focus of the analysis of agenda items 5b and 6 of CCPR53, relates to specific concerns raised by CCPR and the establishment of MRLs for pesticides in food and feed (at Steps 7 and 4).

^{*}It is important to note that experts – members of the Arab Expert Working Group – do not represent the organizations and / or jurisdictions to which they are affiliated. The selection and participation in the Arab Expert Working Group proceedings is based on each expert's own credentials and experience, which should not be misconstrued as the country's / delegation's / organization's position to which they belong.

Agenda Items 5(b) and 6: Responses to specific concerns raised by CCPR and MRLs for pesticides in food and feed (at Steps 7 and 4)

Documents

CX/PR 22/53/5 and CX/PR 22/53/5-Add.1

At CCPR53, responses to specific concerns raised by CCPR and MRLs of 42 pesticides in food and feed (at step 7 and 4) will be discussed with consideration of the guidance, the data and information provided in the reports of the extra and regular JMPR meetings (2021).

Background

Since 1966, CCPR has held 52 sessions and established about 4,300 MRLs related to 200 pesticides recommended by the Joint Meeting of the Food and Agriculture Organization of the United Nations (FAO) Panel of experts on Pesticide Residues in Food and the Environment and the World Health Organization (WHO) Core assessment Group on Pesticide Residues (JMPR). In this regard, JMPR develops Pesticide Specifications and conducts dietary risk assessments to set specific standards for pesticides with the aim to protect consumers and the environment from the use of these products.

The recent decisions and recommendations of CCPR pending from the latest sessions are presented below:

CCPR52 was postponed from April 2020 to July 2021 due to the COVID19 pandemic and took place virtually from 26 – 30 July 2021 with the adoption of the report on 3 August 2021.

MRLs of 52 pesticides, arising from the JMPR 2019 evaluations in May and September 2019 (extraordinary/regular meetings), were discussed in the plenary. The list contained 7 new compounds (new MRLs/compounds), other/additional evaluations (new/revised MRLs, revocation of Codex Maximum Residue Levels - CXLs – for existing compounds) and other revision for periodic review.

The EU and 7 countries have sent comments recorded, among which one country from the Arab region: Morocco.

CCPR52 agreed to:

- ❖ Forward to CAC44 for adoption at Step 5/8, MRLs related to 43 pesticides in different commodities; These MRLS were indeed subsequently adopted by CAC44 (REP21/PR, paragraph 163(i), a), Appendix II);
- ❖ Forward to CAC44 for CXLs for revocation related to 22 pesticides; the revocation was further adopted by CAC44 except the MRLs for acetamiprid/cardammon (REP21/PR, paragraph 163(i), b), Appendix III);
- * Retain at step 4 MRLs for Pyflubumide, Fluensulfone, Fenpyroximate, Bifenthrin, Chlorothalonil;
- Retain at step 7 MRLs for Metalaxyl-M (in 10 commodities);
- Withdraw MRLs for 8 pesticides related to certain commodities (Bifenthrin, Cyclaniliprole, Fluxapyroxad, Isofetamid, Propiconazole, Pydiflumetofen, Pyraclostrobin, Tolfenpyrad) (discontinuation of work).

The main decisions of CCPR52, a summary of comments from delegations and the response of JMPR 2021 to the concerns from delegates and the committee regarding the pesticides of interest, are summarized in **appendix 1** of this document.

At CCPR53, delegations will examine the MRLs proposed by JMPR for 42 pesticides in food commodities. In this context, a request for comments at Step 3 by circular letter on the recommendations was sent to Codex









members and observers to invite them to provide comments on the MRLs considering the guidance, the data and information provided in the reports of the extra and regular JMPR meeting (2021).

The committee will discuss also the response of JMPR 2021 to specific concerns raised by CCPR52 and delegates.

The pesticides under consideration are the following:

Responses to specific concerns raised by CCPR (JMPR Regular Meeting, 2021, Section 3):

- 1. 017 Chlorpyrifos and 090 Chlorpyrifos-methyl (Section 3.4)
- 069 Benomyl, 072 carbendazim, 077 thiophanate-methyl (Section 3.2)
- 081 Chlorothalonil (Section 3.3)
- 4. 160 Propiconazole (Section 3.7)
- 265 Fluensulfone (Section 3.5)
- 312 Afidopyropen (Section 3.1)
- 313 Metconazole (Section 3.6)

MRLs at Step 4 and 7 of the Step Procedure:

Extra meeting

Additional/New/Other evaluations (other than periodic reviews and new compounds)		
034 Ethion	215 Fenhexamid	246 Acetamiprid
110 Imazalil	222 Quinoxyfen	252 Sulfoxaflor
147 Methoprene	224 Difenoconazole	262 Bixafen
156 Clofentezine	231 Mandipropamid	268 Isoxaflutole
189 Tebuconazole	232 Prothioconazole	271 Trinexapac-ethy
197 Fenbuconazole	233 Spinetoram	299 Isoprothiolane
207 Cyprodinil	238 Clothianidin	304 Ethiprole
209 Methoxyfenozide	243 Fluopyram	305 Fenpicoxamid
213 Trifloxystrobin	245 Thiamethoxam	309 Pydiflumetofen









Regular meeting

193 Fenpyroximate	299 Isoprothiolane	
265 Fluensulfone	313 Metconazole	
292 Pendimethalin		
Periodic review of compounds		
138 Metalaxyl and 212 Metalaxyl-M	202 Fipronil	
New compounds		
319 Flutianil (319)	322 Pyraziflumid (322)	
320 Mefentrifluconazole (320)	323 Spiropidion (323)	
321 Pyrasulfotole (321)	324 Tetraniliprole (324)	
MRLs RETAINED AT 4 FOR CONSIDERATION BY CCPR53		

The pesticides of interest and the conclusion of the JMPR assessment of pesticides regarding health issues are summarized in **appendix 2** of this document.

Analysis

Considering the request of the CCPR52 and in accordance with its mandate, JMPR evaluated possible hazards to humans arising from the occurrence of pesticide residues in foods by reviewing residue and analytical aspects of the pesticides under consideration and estimated the MRLs related to their uses according to Good Agricultural Practices.

Given the exceptional circumstances of the COVID-19 pandemic, JMPR has held, in addition to the regular meeting, an extra meeting to review residues and analytical aspects of the pesticides under consideration.

The JMPR Extra Meeting on Pesticide Residues, held virtually from 17 to 21 May and from 7 to 11 June 2021, evaluated 30 pesticides. At the regular meeting, held virtually from 6 to 17 September and the 4th and 7th of October 2021, the JMPR reviewed 15 pesticides including 6 new compounds and two compounds that were re-evaluated for toxicity or residues, or both, within the periodic review program of CCPR.

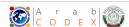
In the report of the two meetings, JMPR presented the outcomes of the assessment of residues, the estimated MRLs for different commodities and presented the result of dietary risk assessment for pesticide residues in food.

Within the framework of establishment of MRLs for the pesticides reviewed, JMPR estimated supervised trials median residue (STMR), highest residue (HR) levels as a basis for estimating dietary intake and also performed a dietary exposure (both acute and long-term) in relation to the relevant acceptable daily intake









(ADI) and where necessary the acute reference dose (ARfD) and recommended MRLs related to the commodities considered, including the identification of products that may constitute a health concern.

Impact of the Establishment of MRLs in the Arab Region

In the framework of the estimation of long-term and acute dietary exposure related to pesticides (IEDI/IESTI) and for determination of MLRs, CCPR resorted to consumption data extracted from (GEMS/Food) cluster diets which are generally incomplete and do not give a factual representation of the reality of food consumption habits prevalent in the Arab region, as a result of the limited contribution of Arab food competent authorities to the submission of data to GEMS/Food (both occurrence and food consumption information).

Also, in their approaches, the meeting defined (STMR) and (HR) Levels considering the application of Good Agricultural Practices (GAP), which may not be applicable to agricultural practices followed in the Arab region.

Some countries of the Arab region are producers of some commodities like citrus and vegetables. It will be therefore important for the region to study the impact of the application of the proposed MRLs, notably their achievability and their impacts from an exposure assessment stand point, even following the adoption of these MRLs, by CCPR53 and subsequently by the Commission.

Specific Considerations

- ❖ For Dimethoate: Concerns were previously raised in relation with the possible genotoxicity of Omethoate, a metabolite of Dimethoate. The proponents of this substance indicated the possible availability of new data in this regard. However, such data were not submitted for the evaluation of the 2021 JMPR, which continues to consider a possible public health concern until such data become available and address this concern.
- Arab delegations may therefore wish to support upholding JMPR's decision in 2019, to postpone the establishment of MRLs for Dimethoate substances until such time that data on the metabolites of dimethoate including Omethoate are fully submitted and address the genotoxicity concern.
- For Fipronil: In view of the estimated IEDI for Fipronil on the basis of some GEMS/Food Consumption Cluster Diets, leading to exceed the ADI, Arab delegations may wish to support not advancing the MRLs proposed for Fipronil.
- ❖ For Fenpyroximate: Due to estimated IESTI for Fenpyroximate leading to exposure levels resulting the consumption of some commodities that exceed the ARfD, Arab delegations may wish to support the JMPR assessment that exposure to Fenpyroximate residues resulting from the consumption of the following commodities may present a public health concern: Peeled mandarins, Oranges, Apple, Pear, Cherries, Apricot, Nectarine, Peach, Blackberries, Raspberries, raspberry juice, Blueberries, Currants, currant juice, Gooseberries, Bitter melon, Chayote, Cucumbers, Angled loofah, Smooth loofah, Snake gourd, Summer squashes, Melons, Watermelons, Tomato, Eggplants, Phaseolus beans with pods, Cardoons; cardoons cooked, Celery, cooked celery, canned celery, celery juice, Bulb fennel; cooked bulb fennel; Rhubarb, rhubarb.
- ❖ For Chlorpyrifos in Eggplant: Arab Codex delegations may wish to support the conclusion of JMPR for the inadmissible nature of the data stemming from the supervised field trials, given that these supervised field trials for Chlorpyrifos on eggplant were conducted at a significantly longer re-treatment interval and cannot be used for the estimation of a maximum residue level.









❖ For Cypermethrins in Eggplants: Arab delegations may wish to support the conclusion of JMPR for the inability to establish MRLs using the data submitted from the supervised field trials because they originated also from trials where the re-treatment interval was found to be significantly longer.

Conclusion and Recommendations

It would be important for Arab countries to continue to invest in the development of essential data to support dietary exposure assessment for pesticide in food, and particularly food consumption data, relevant for the region and to update the relevant Cluster Diet in this database.

It would be important to document the possible impacts and in particular, the achievability of MRLs on the designated food products from the region, by conducting exposure assessments based on the relevant consumption data generated by Arab countries reflecting their real consumption habits.

It would also be important to document the feedback from representatives of the operators in the region, on the feasibility of these MRLs, in particular for exporters from the region.









APPENDIX 1

Table 1: Summary of the main decisions of CCPR52 and delegation comments

	Pesticide	Comments of delegations	CCPR52 decisions
1	Dimethoate/omethoate	The manufacturer informed that additional toxicology data were available and could be submitted to the JMPR.	Maintain all the CXLs under the 4-year rule, awaiting the outcome of the JMPR evaluation of the new data.
2	Thiabendazole		Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXL for mango as recommended by the 2019 JMPR. The decision was upheld by CAC44.
3	Carbendazim	Reservation of the EU, Norway and Switzerland on the advancement of the proposed MRLs, pending the outcome of their ongoing evaluation of Benomyl, Carbendazim, Thiophanate methyl.	Advance the proposed MRLs for <u>spices, seeds</u> for adoption at Step 5/8. The decision was upheld by CAC44.
4	Chlorothalonil	-Reservation of the EU, Norway and Switzerland; - UK submitted the concern form on the chronic exposures for metabolite R613636; -The Observer from CropLife informed that data were available to refine the exposure assessments for evaluation by JMPR.	Retain the draft MRL for cranberry at Step 4, awaiting the re-evaluation by the 2021 JMPR. For the concern raised by the European Union (EU), the Meeting JMPR 2021 concluded that, based on the information presented in the EU documentation, the potential public health concerns raised by the EU over dietary exposures to chlorothalonil and its metabolites had not been substantiated and that they did not merit any review in advance of the normal periodic review. For the concern raised by the United Kingdom related to the acute intake assessment for the metabolite R613636 in cranberry, the Meeting JMPR 2021 concluded that the acute exposure to R613636 in cranberry commodities is not expected to be a public health concern.
5	Phosmet		Revise the database as suggested by Australia related to CXL listed in the Codex database for Phosmet in pome fruit (10 mg/kg) which should be 3 mg/kg.
6	Iprodione	- EU submitted a concern form on the safety of Iprodione residues as a result of exceedances of the EU ADI and ARfDJMPR strongly recommended considering the prioritisation of Iprodione for periodic re-evaluation.	CCPR noted Iprodione had been included in the list of the 2022 periodic re-evaluations.







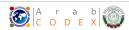


7	Cypermethrin (including alpha- and zeta-Cypermethrin)	Reservations of the EU, Norway and Switzerland on the advancement of the proposed MRL for ginseng, dried (including red ginseng), pending the outcome of the ongoing periodic reevaluation in the EU.	Advancement of the proposed MRLs for adoption at Step 5/8 , as recommended by the 2019 JMPR. The decision was upheld by CAC44.
8	Diflubenzuron	-EU sent a concern form relating to the plant metabolite (4-chloroaniline)JMPR Secretariat advised that the re-evaluation conducted by JECFA had concluded that this metabolite was not a significant health concern but exposure from different sources could be a concern.	
9	Methoprene	EU, Norway and Switzerland expressed their reservation on the advancement of the proposed MRL for peanut, whole, due to a chronic risk from existing EU MRLs for European consumers, and a lack of studies on the metabolic behaviour after post-harvest treatment and on the nature and magnitude of residues in processed products.	Advancement of the proposed MRL for peanut, whole for adoption at Step 5/8, as recommended by the 2019 JMPR. The decision was upheld by CAC44.
10	Glyphosate	EU, Norway and Switzerland expressed their reservation on the advancement of the proposed MRLs for dry beans (subgroup) (except soya beans); dry peas (subgroup), pending the outcome of the ongoing periodic re-evaluation in the EU.	Advance the proposed MRLs for dry beans (subgroup) (except soya beans); and dry peas (subgroup) for adoption at Step 5/8, with the subsequent revocation of the associated CXLs, as recommended by the 2019 JMPR. The decision was upheld by CAC44.
11	Propiconazole	Reservation of the EU, Norway and Switzerland on the advancement of the proposed MRL A potential public health concern was raised by the European Union (EU) about a number of aspects of Propiconazole, which had resulted in differences between JMPR and EU in respect of the ADI and ARfD, the residue definition and consideration of metabolites.	Advancement of the proposed MRL for peaches (including apricots and nectarine) (subgroup) (Po) at the step 5/8, with the subsequent revocation of the CXL for peach and withdrawal of the previous MRLs for peach. The decision was upheld by CAC44. The JMPR 2021 concluded that based on the information presented in the EU documentation, the potential concerns identified about dietary exposures to propiconazole and its metabolites were not substantiated and did not merit any review in advance of the normal periodic review.
12	Buprofezin	-EU, Norway and Switzerland expressed their reservations on the	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the









		advancement of the proposed MRLs for tree nuts (group); eggs; mammalian fats (except milk fats); poultry fats; poultry meat and poultry, edible offal of, due to the potential formation of aniline from residues of Buprofezin in commodities during processing. -The 2019 JMPR concluded that exposure to aniline in processed commodities did not represent a public health concern.	associated CXLs, as recommended by the 2019 JMPR. The decision was upheld by CAC44.
13	Bifenthrin	CCPR noted the 2019 JMPR conclusion that the estimated acute dietary exposure to residues of Bifenthrin in strawberries may present a public health concern.	For strawberries, revoke the CXL, withdraw the draft MRL currently at Step 4 and retain the proposed MRL of 3 mg/kg at Step 4 waiting for advice on the availability of an alternative GAP or other information. For celery and lettuce, head, keep the proposed MRLs at Step 4, waiting one year for advice on the availability of additional data or alternative GAP information to resolve the acute intake concerns identified by the 2015 JMPR. For okra, withdraw the draft MRL because of the insufficient number of trials submitted to JMPR and based on confirmation from the sponsor they had no additional data and no new GAP information. For barley and barley straw and fodder, dry revoke the CXLs as recommended by the 2019 JMPR. For straw and fodder (dry) of cereal grains advance the proposed MRL for adoption at Step 5/8, and to include a note that this MRL excluded barley straw and fodder, dry. The decisions was upheld by CAC44.
14	Clethodim	Manufacturer would submit additional toxicology data for the metabolites of Clethodim to the JMPR.	Retain all the CXLs under the 4-year rule, awaiting the re-evaluation by the JMPR.
15	Tebuconazole	Reservations of the EU, Norway and Switzerland on the advancement of the proposed MRLs, pending the outcome of the ongoing periodic reevaluation in the EU.	Advance all the proposed MRLs for adoption at Step 5/8, as recommended by the 2019 JMPR The decision was upheld by CAC44
16	Tolclofos-methyl	EU, Norway and Switzerland expressed their reservations of the advancement of the proposed MRL for potato due to their acute	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs, as recommended by the 2019 JMPR. The decision was upheld by CAC44







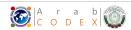


		consumer risk for European consumers.	
17	Kresoxim-methyl		Advance the proposed MRL for pome fruits (group), except Japanese persimmon, for adoption at step 5/8, with the subsequent revocation of the associated CXL. The decision was upheld by CAC44
18	Pyriproxifen (200)		Agreed to advance the proposed MRL for mango for adoption at Step 5/8. The decision was upheld by CAC44
19	Cyprodinil	EU, Norway and Switzerland have commented on the proposed MRL for soya bean (dry), relating to the use of the proportionality approach despite the trials deviating by more than one parameter from the GAP.	Advance the proposed MRL for soya bean (dry) for adoption at Step 5/8, as recommended by 2019 JMPR. The decision was upheld by CAC44
20	Pyraclostrobin		Advance the proposed MRLs for root vegetables (subgroup) except sugar beet and spinach for adoption at Step 5/8, with the subsequent revocation of the associated CXLs and withdrawal of the associated MRLs. The decision was upheld by CAC44
21	Boscalid	EU, Norway and Switzerland expressed their reservation of the on the advancement of the proposed MRL for pome fruit, because a lower MRL could be derived using the OECD calculator.	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs. The decision was upheld by CAC44
22	Azoxystrobin		Advance the proposed MRL for guava for adoption at Step 5/8. The decision was upheld by CAC44
23	Chlorantraniliprole		Advance all the proposed MRLs for adoption at Step 5/8, The decision was upheld by CAC44
24	Spirotetramat		Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44
25	Metaflumizone	EU, Norway and Switzerland expressed their reservation on the advancement of the proposed MRL for grape, due to their acute consumer risk for European consumers.	CCPR agreed to advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs. CAC44 agreed with the revisions of MRLs for Metaflumizone for mammalian fats (excluding milk fats) at 0.15 mg/kg and milk fats at 0.6 mg/kg.









26	Dicamba	EU, Norway and Switzerland expressed their reservation on the advancement of the proposed MRLs for cotton seed; maize; and soya bean (dry), pending the outcome of the ongoing periodic re-evaluation in the EU.	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs, as recommended by 2019 JMPR. The decision was upheld by CAC44
27	Acetamiprid		Advance the proposed MRLs for spices, seeds for adoption at Step 5/8 and to revoke the CXL for cardamom. CAC44 agreed with the proposed MRL for adoption at step 5/8 and did not endorse the revocation of the CXL on acetamiprid for cardamom that will be retained for one year awaiting clarifications by JMPR at CCPR53.
28	Penthiopyrad	EU, Norway and Switzerland expressed their reservation on the advancement of all proposed MRLs due to different residue definitions for risk assessment and the extrapolation methods.	Advance all the proposed MRLs for adoption at Step 5/8, as recommended by the 2019 JMPR. The decision was upheld by CAC44
29	Fluxapyroxad	EU indicated that the extrapolations from lemons to mandarins are not in accordance with the agreed extrapolation rules.	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent withdrawal of the associated MRLs and the revocation of the CXL for oranges, sweet, sour (including orange-like hybrids) (subgroup). The decision was upheld by CAC44
30	Picoxystrobin	EU, Norway and Switzerland expressed their reservation on the advancement of the proposed MRLs for coffee beans; cotton seed; edible offal (mammalian); mammalian fats (except milk fats); meat (from mammals other than marine mammals) (fat); milks; sorghum; tea, green, black (black, fermented and dried) due to several health concerns identified in the EFSA peer review, including possible genotoxicity of picoxystrobin and its main plant metabolites.	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs. The decision was upheld by CAC44.
31	Benzovindiflupyr		Advance the proposed MRLs for bulb onions (subgroup); sugar cane to Step 5/8 with the









			subsequent revocation of the associated CXL for sugar cane. The decision was upheld by CAC44
32	Fluensulfone	EU, Norway and Switzerland expressed their reservation on the advancement of all the proposed MRLs due to the metabolism studies are not representative for the residue behaviour observed in the residue trials. The EU considered that the genotoxic potential of MeS (2-Methylsulfonylthiazole) cannot be excluded and that further genotoxicity tests would be needed to follow up on the positive results in vitro. A concern form from the Delegation of the USA was sent to JMPR, relating to the proposed maximum residue level for pome fruit and also on the decision not to calculate a processing factor for citrus juice. For pome fruit, the Delegation of the USA advised that in one of the pear trials used for estimating the maximum residue level, the reported residue values were incorrect, and that based on the corrected values, a higher maximum residue limit should be estimated. For citrus juice, the Delegation of the USA proposed that since detectable residues of the BSA metabolite of Fluensulfone were present in orange juice, processing factors for total residues (parent plus BSA) could be calculated from the two processing studies, and since the higher of these factors was very similar to that calculated for apple juice, the apple juice processing factor should be considered the appropriate processing factor for calculating the MRL for citrus/orange juice.	Retained the proposed MRLs for apple juice; apples, dried and pome fruits (group) at Step 4, awaiting the evaluation by the 2021 JMPR and advance the other proposed MRLs for adoption at Step 5/8, as recommended by 2019 JMPR. For the concern raised about Pome fruit, the JMPR 2021 estimated a maximum residue level of 0.3 mg/kg for Fluensulfone (Fluensulfone+BSA metabolite), an STMR of 0 mg/kg and an HR of 0 mg/kg for Fluensulfone (parent only) in pome fruit (except persimmon, Japanese) to replace the previous recommendation. Because the STMR and the HR remain unchanged, no refinement of the dietary exposure estimation was needed. Based on the 2019 JMPR conclusion that any uptake of the metabolite MeS from permanent crops would be insignificant, the Meeting considered it unnecessary to revisit the Cramer class III TTC assessment for MeS (2-Methylsulfonylthiazole). For the concern raised about Citrus juice, the JMPR 2021 confirmed the 2019 JMPR conclusion that a processing factor for citrus juice could not be calculated.





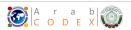


33	Tolfenpyrad	-JMPR informed CCPR that the estimated acute dietary exposure to residues of Tolfenpyrad in tomatoes and eggplants may present a public health concernEU, Norway and Switzerland expressed their reservations on the advancement of all proposed MRLs pending the outcome of their ongoing import tolerance requests and that for mandarins, oranges and peppers they had identified acute	Withdraw the proposed MRLs for tomatoes (subgroup) and eggplants (subgroup) and advance the other proposed MRLs for adoption at Step 5/8, as recommended by 2019 JMPR. The decision was upheld by CAC44
34	Mesotrione	consumer risks.	advance all the proposed MRLs for adoption at Step 5/8, as recommended by the 2019 JMPR The decision was upheld by CAC44
35	Acetochlor	EU, Norway and Switzerland expressed their reservations from the on the advancement of the proposed MRLs for soya bean (dry) and edible offal (mammalian) because of their different residue definition for enforcement.	advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs. The decision was upheld by CAC44
36	Flonicamid	EU, Norway and Switzerland expressed their reservations from on the advancement of the proposed MRLs because of their different residue definition for enforcement and that for oranges, they had identified an acute consumer risk for oranges.	Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44
37	Fluazifop-p-butyl	EU, Norway and Switzerland expressed their reservation from the on the advancement of the proposed MRLs for elderberries (extrapolation from blueberries) and strawberry (acute and chronic consumer risk identified).	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXLs, as recommended by the 2019 JMPR. The decision was upheld by CAC44
38	Flupyradifurone		advance all the proposed MRLs for adoption at Step 5/8, The decision was upheld by CAC44
39	Isofetamid		advance all the proposed MRLs for adoption at Step 5/8, with the subsequent withdrawal of the associated MRLs. The decision was upheld by CAC44
40	Pendimethalin (292)		Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44









41	Cyclaniliprole	Reservation from the EU, Norway and Switzerland because the consumer risk assessment could not be finalized and no conclusion could be drawn on the genotoxicity and the general toxicity of several metabolites and that for leaves of Brassicaceae (subgroup), the number of trials were insufficient to recommend an MRL. The JMPR Secretariat, explained that the recommendations were based on 5 trials, while only 4 trials are required	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent withdrawal of the associated MRLs. The decision was upheld by CAC44
42	Fenazaquin		Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44
43	Fosetyl-aluminium	Reservations of the EU, Norway and Switzerland for coffee beans because of insufficient number of residue trials	Advance all the proposed MRLs for adoption at Step 5/8, with the subsequent revocation of the associated CXL for mammalian fats (except milk fat). The decision was upheld by CAC44
44	Mandestrobin	Reservations of the EU, Norway and Switzerland for rape seed due to their different residue definition for risk assessment.	Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44
45	Pydiflumetofen	JMPR noticed that the estimated acute dietary exposure to residues of pydiflumetofen in leafy greens (subgroup) may present a public health concern. The Observer from CropLife advised CCPR that no new information or alternative GAP was available at the moment	Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44
46	Afidopyropen	Reservations of the EU, Norway and Switzerland due to their concern on the evaluation of metabolites, their acute consumer risk concern (for leaves of Brassicaceae), and the representative crop selection (for herbs).	Advance all the proposed MRLs to Step 5/8, as recommended by the 2019 JMPR. The decision was upheld by CAC44 For the concern on the inclusion of M007 in the residue definition of risk assessment of plant Commodities, the JMPR 2021 decided to rephrase the residue definition for dietary risk assessment for plant commodities. For the concern on the low MRL for milk 0.001 mg/kg, the JMPR acknowledges that the maximum residue level for milk is low but is indeed supported by current analytical methods







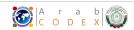


47	Metconazole	Reservations from the EU, Norway and Switzerland pending the outcome of the ongoing periodic reevaluation in the EU.	Advance all the proposed MRLs for adoption at Step 5/8 and no maximum residue level could be estimated for residues in wheat due to an insufficient number of trials matching the GAP with regards to the PHI. The decision was upheld by CAC44 Based on the data from supervised trials, the JMPR 2021 concluded that the residue levels considered are suitable for establishing maximum residue limits and for IEDI and IESTI assessments. The Meeting concluded that acute and long-term dietary exposure to residues of metconazole from uses considered by the current Meeting is unlikely to present a public health concern.
48	Pyflubumide	JMPR noticed that the estimated acute dietary exposure to residues of pyflubumide in apples and tea, green, black may present a public health concern	Retain the proposed MRLs for apple; tea, green, black (black, fermented and dried) at Step 4, awaiting the JMPR re-evaluation.
49	Pyridate	The 2019 JMPR had established an ADI of 0-0.2 mg/kg bw and an ARfD of 2 mg/kg bw for pyridate and that these differed from the toxicological reference values derived in the EU.	
50	Pyrifluquinazon	The 2019 JMPR was not able to derive a residue definition for dietary risk assessment for animal commodities.	
51	Triflumuron	The 2019 JMPR was not able to derive a residue definition for dietary risk assessment for plant and animal commodities	New toxicology (genotoxicity) data would be re- evaluated by the 2021 JMPR
52	Valifenalate		Advance all the proposed MRLs for adoption at Step 5/8. The decision was upheld by CAC44









APPENDIX 2

Table 2: Conclusion of the JMPR assessment of the pesticides for consideration by CCPR53 (2022)

Extra JMPR meeting

Postisido.	Construcion of IMADD accomment
Pesticide	Conclusion of JMPR assessment
ACETAMIPRID (additional uses pistachio)	Acute dietary and long-term dietary exposure to residues of acetamiprid
Neonicotinoid insecticide	from uses considered by JMPR are unlikely to present a public health
	concern.
BIXAFEN (additional uses in pulses, potatoes,	Acute and long-term dietary exposure to residues of Bixafen and their
cereal grains and oilseed crops)	metabolites from uses considered by JMPR are unlikely to present a
Pyrazole-carboxamide fungicide used to	public health concern.
control diseases on multiple crops	
CHLORPYRIFOS (additional uses: eggplant)	The Meeting noted that CCPR has scheduled chlorpyrifos and
non-systemic organophosphorus insecticide	chlorpyrifos-methyl for periodic evaluation by the 2024 JMPR. The JMPR
with contact, stomach and respiratory	Joint Secretariats are currently investigating the most efficient ways to
action.	re-evaluate chlorpyrifos and chlorpyrifos-methyl for toxicology and
	residues, considering the size and complexity of their dossiers, and the
	aspects they have in common. The supervised field trials were conducted at a significantly longer re-
	treatment interval and cannot be used for the estimation of a
	maximum residue level.
CLOFENTEZINE (additional uses Hops, dry	Acute dietary and long-term dietary exposure to residues from uses
cones)	considered by JMPR are unlikely to present a public health concern.
Acaricide used for the control of red spider	considered by sivil it are difficely to present a public fleatiff concern.
mites on a wide range of crops	
CLOTHIANIDIN (additional uses persimmon,	Acute dietary and long-term dietary exposure to residues from uses
barley, rice, sorghum, sweet corn and wheat)	considered by JMPR are unlikely to present a public health concern.
Broad-spectrum, neonicotinoid insecticide	, , , ,
registered uses on multiple crops	
CYPERMETHRINS (additional uses eggplant)	The supervised field trials were conducted at a significantly longer re-
non-systemic pyrethroid insecticide with	treatment interval in combination with lower application rates and
contact and stomach action	cannot be used for the estimation of a maximum residue level.
CYPRODINIL (additional uses on peas, beans	Acute dietary and long-term dietary exposure to residues from uses
and ginseng)	considered by JMPR are unlikely to present a public health concern.
broad-spectrum fungicide used to control a	
range of pathogens including Tapesia	
yallundae, Botrytis spp., Alternaria spp. and	
Rhynchospium secalis.	
DIFENOCONAZOLE (additional uses)	Acute dietary and long-term dietary exposure to residues from uses
Broad-spectrum conazole (triazole) fungicide	considered by JMPR are unlikely to present a public health concern.
used for the control of diseases in multiple	
crops	The appropriated field totals your send out of a significantly because
ETHION (additional uses chili pepper)	The supervised field trials were conducted at a significantly longer re-
Organophosphate insecticide and acaricide	treatment interval in combination with lower application rates
with non-systemic and contact action	and cannot be used for the estimation of a maximum residue level.
ETHIPROLE (additional use on soya beans)	Acute dietary and long-term dietary exposure to residues from uses
Non-systemic phenylpyrazole insecticide	considered by JMPR are unlikely to present a public health concern.







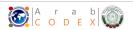


5540460447045 / 1122	
FENBUCONAZOLE (additional use on tea)	Acute dietary and long-term dietary exposure to residues from uses
Triazole fungicide intended for agricultural	considered by JMPR are unlikely to present a public health concern.
and horticultural use for the control of a	
variety of fungal infections of crops.	
FENHEXAMID (additional uses for in pear,	Acute dietary and long-term dietary exposure to residues from uses
ginseng, asparagus, spring onion and bulb	considered by JMPR are unlikely to present a public health concern.
vegetables)	
hydroxyaniline protective fungicide	
FENPICOXAMID (additional uses for wheat,	Acute dietary and long-term dietary exposure to residues from uses
similar grains and pseudo cereals without	considered by JMPR are unlikely to present a public health concern.
husks)	
Picolinamide fungicide	
FLUOPYRAM (additional use on coffee plants)	Acute dietary and long-term dietary exposure to residues from uses
Pyridylethylamide broad spectrum fungicide	considered by JMPR are unlikely to present a public health concern.
IMAZALIL (additional uses for citrus	Acute dietary and long-term dietary exposure to residues from uses
mandarins and grapefruits	considered by JMPR are unlikely to present a public health concern.
Imidazole fungicide with protective, curative	
and anti-sporulant activity	
ISOPROTHIOLANE (additional uses banana	Acute dietary and long-term dietary exposure to residues from uses
plants)	considered by JMPR are unlikely to present a public health concern.
Fungicide belonging to the family of	
dicarboxylic acids	
ISOXAFLUTOLE (additional uses)	Acute dietary and long-term dietary exposure to residues from uses
Herbicide	considered by JMPR are unlikely to present a public health concern.
MANDIPROPAMID (additional uses on citrus	Acute dietary and long-term dietary exposure to residues from uses
fruits)	considered by JMPR are unlikely to present a public health concern.
Fungicide used for the control of foliar	
oomycete pathogens in a range of crops,	
including Plasmopara viticola in grapes,	
Phytophthora infestans in potatoes and	
tomatoes and Pseudoperonospora cubensis	
in cucurbits	
METHOPRENE (additional uses soya beans)	Acute dietary and long-term dietary exposure to residues from uses
An insect growth regulator	considered by JMPR are unlikely to present a public health concern.
METHOXYFENOZIDE (additional uses coffee	Acute dietary and long-term dietary exposure to residues from uses
bean, rice, sugar cane and tea)	considered by JMPR are unlikely to present a public health concern.
Insecticide that mimics moulting hormone of	
Lepidopterous larvae	Agute distant and long torm distant superiors to residue from
PROTHIOCONAZOLE (additional uses)	Acute dietary and long-term dietary exposure to residues from uses
Broad-spectrum systemic fungicide	considered by JMPR are unlikely to present a public health concern.
PYDIFLUMETOFEN (several new uses)	Acute dietary and long-term dietary exposure to residues from uses
a broad-spectrum fungicide belonging to the	considered by JMPR are unlikely to present a public health concern.
carboxamide group.	Acute distance and long term distance expenses to residues from the
QUINOXYFEN (additional uses)	Acute dietary and long-term dietary exposure to residues from uses
Fungicide used for protection against powdery	considered by JMPR are unlikely to present a public health concern.
mildew diseases on a variety of crops.	Acute distance and long term distance appropriate to residue forms
SPINETORAM (additional uses on pitaya	Acute dietary and long-term dietary exposure to residues from uses
(dragon fruit) and tea)	considered by JMPR are unlikely to present a public health concern.
Spinosyn insecticide obtained by chemical	
modification of a fermentation product of	
Saccharopolyspora spinose.	









SULFOXAFLOR (additional uses chili pepper	The Meeting concluded that the supervised field trials were conducted at
and okra)	a significantly longer re-treatment interval and cannot be used for the
insecticide-acaricide belonging to the titronic	estimation of a maximum residue level.
acid class of compounds	
TEBUCONAZOLE (additional uses avocado,	The Meeting concluded that the supervised field trials were conducted at
mango, bush berries, cane berries, globe	a significantly longer re-treatment interval and cannot be used for the
artichoke, asparagus, sunflower and coffee) a	estimation of a maximum residue level.
broad-spectrum, sulfoximine insecticide with	
registered uses on multiple crops	
Triazole broad spectrum fungicide	
THIAMETHOXAM (additional uses	The Meeting concluded that the supervised field trials were conducted at
persimmon, barley, rice, sorghum, sweet corn	a significantly longer re-treatment interval and cannot be used for the
and wheat.)	estimation of a maximum residue level.
Broad-spectrum, neonicotinoid insecticide	
with registered uses on multiple crops	
TRIFLOXYSTROBIN (additional uses citrus	The Meeting concluded that the supervised field trials were conducted at
fruits, cane berries, bush berries, leaf lettuce,	a significantly longer re-treatment interval and cannot be used for the
legume vegetables, dry beans and peas, tree	estimation of a maximum residue level.
nuts, linseed and coffee)	
Strobilurin broad-spectrum contact fungicide	
TRINEXAPAC-ETHYL (additional uses)	Acute and long-term dietary exposure to residues and their metabolites
synthetic plant growth regulator used for	from uses considered by JMPR are unlikely to present a public health
growth management of crops	concern.

Regular JMPR meeting

Pesticide	Conclusion of JMPR assessment
DIMETHOATE	In the absence of complete study results, the Meeting re-affirmed the
Anticholinesterase organophosphate	decision of the 2019 JMPR regarding the suspected genetoxic
insecticide	carcinogenicity of omethoate, a metabolite of Dimethoate. More data on
	metabolites of dimethoate including omethoate are expected to be
	submitted by the petitioner
ETHOXYQUIN (periodic review)	A toxicological evaluation of ethoxyquin was not performed; the available
	toxicological database was very limited and it was insufficient as a basis
	to establish an ADI and ARfD.
FENPYROXIMATE (additional uses: citrus,	Based on the revised ARfD, the current Meeting confirmed that:
banana, celery, cranberry, summer squash,	- the estimated acute dietary exposure to residues of fenpyroximate for
watermelon, bean [succulent shelled],	the consumption of commodities from Subgroup of cherries, Peach,
blueberry, plum, apricot, and peach)	Watermelon may present a public health concern;
Phenoxypyrazole acaricide for application to	- The estimated acute dietary exposure to residues of fenpyroximate for
leaves infested with phytophagous mites	the consumption of commodities <i>Apple, Pear, Apricot, Melons (except</i>
	watermelon), Subgroup of Tomatoes, Subgroup of Eggplants, Subgroup
	of Beans with pods as previously considered by the 2017 and 2018 JMPRs
	may present a public health concern.
FIPRONIL (periodic review)	On the basis of the information provided to the JMPR it was concluded
Broad-spectrum insecticide that belongs to	that the estimated long-term dietary exposure to residues of fipronil may
the phenylpyrazole chemical family and is	present a public health concern.
used for the control of a wide range of crop,	
public hygiene, amenity, and veterinary pests.	
FLUTIANIL (new compound)	Acute dietary and long-term dietary exposure to residues of Flutianil from
Novel fungicide belongs to the thiazolidine	uses considered by JMPR are unlikely to present a public health concern.
chemical class exhibiting both fungicidal and	
fungistatic contact action and has been	
registered in a number of countries for use on	









various crops, mostly tree fruits and fruiting vegetables	
GUAZATINE (periodic review)	The submitted dossier for guazatine was inadequate to address the
Fungicide having multi-site contact activity.	concerns identified by the 1997 JMPR Meeting and for this reason, it was
Tungicide naving main-site contact activity.	not possible for the Meeting to conclude the toxicological re-evaluation
	of guazatine.
ISOPROTHIOLANE	Isoprothiolane is being evaluated by the Meeting in support of the FAO
Systemic fungicide with protective and	panel review of isoprothiolane for additional maximum residue limits
curative action which is used on rice crops	(MRLs) for bananas. The meeting proposed
	ADI 0–0.1 mg/kg bw, ARfD Not necessary
MEFENTRIFLUCONAZOLE (reviewed at the	The meeting proposed
request of CCPR)	
Novel fungicide that is used to control fungal	ADI 0.04 mg/kg bw ;
diseases in various crops including cereals,	
oilseeds, fruits or vegetables.	ARfD 0.3 mg/kg bw
METALAXYL (periodic review)	-Withdraw all previous recommendations made in terms of metalaxyl-M
Systemic fungicides with registered uses in a	and to make new recommendations in terms of metalaxyl for apple,
variety of crops around the word.	grapes, onion, bulb, potato, spinach, and sunflower seed as the available
	analytical methods do not use enantiomeric selective columns and the
	residues are determined as metalaxyl (sum of R- and S- enantiomers),
	-Due to the lack of residue data according to GAP, no recommendation
	was made for cacao beans, head lettuce, sweet peppers and tomato.
METALAXYL-M (periodic review)	The current Meeting evaluated metalaxyl and metalaxyl-M together for
Systemic fungicides with registered uses in a	toxicology and established a single ADI and ARfD that apply to metalaxyl
variety of crops around the word.	and metalaxyl-M, either alone or in combination.
PENDIMETHALIN (additional uses) Selective herbicide used to control most	Acute dietary and long-term dietary exposure to residues of Pendimethalin from uses considered by JMPR are unlikely to present a
annual grasses and certain broadleaf weeds	public health concern.
in various crops, such as fruits, vegetables,	public health concern.
cereals, pulses, oilseeds, root crops and	
ornamentals	
PYRASULFOTOLE (reviewed at the request of	Acute dietary and long-term dietary exposure to residues from uses
CCPR):	considered by JMPR are unlikely to present a public health concern.
Inhibitor of the enzyme 4-	
hydroxyphenylpyruvate dioxygenase (4-	
HPPD) in susceptible plants, thereby	
disrupting the synthesis of carotenoids that	
are produced by plants to protect against	
oxidative and photolytic damage	
PYRAZIFLUMID (reviewed at the request of	No maximum residue level recommendation due to the absence of an
CCPR):	enforcement method;
Fungicide used on fruits such as pome, stone	Acute dietary and long-term dietary exposure to residues from uses
and citrus, as well as persimmon and grape.	considered by JMPR are unlikely to present a public health concern.
SPIROPIDION (reviewed at the request of	-New codes and/or commodity names as agreed by CCPR 52 and
CCPR):	proposed for adoption by CAC 43
Pro-insecticide incorporating a novel tetramic acid derivative.	-Acute dietary and long-term dietary exposure to residues from uses considered by JMPR are unlikely to present a public health concern.
TETRANILIPROLE (reviewed at the request of	The meeting proposed:
CCPR):	ADI 0–2 mg/kg bw
Anthranilic diamide-class insecticide	ARFD Not necessary
אוווויו מומוווועכ-טומסט וווספננונועכ	AND NOT HECESSALY







