Food and Agriculture Organization of the United Nations

World Health Organization

Joint FAO/WHO Meeting on Pesticide Residues

Rome, 15–24 September 2020

LIST OF SUBSTANCES SCHEDULED FOR FOLLOW UP EVALUATION OR NEW USES AND REQUEST FOR DATA

Issued October 2019

Attached is the list of substances (Annex 1) scheduled for follow up evaluation at the 2020 Joint FAO/WHO Meeting on Pesticide Residues (JMPR). This list has been prepared by the Joint FAO/WHO Secretariat of the Meeting and is based on recommendations of the Codex Committee on Pesticide Residues (CCPR), previous Expert Meeting, and direct requests from governments, other interested organizations, and producers of substances that have been evaluated previously.

Submission of data

Annex 1 lists the pesticides to be considered at the meeting. Governments, interested organizations, producers of these chemicals, and individuals are invited to submit data for the toxicological and the residues evaluations of the compounds listed.

The submitted data may be published or unpublished and should contain detailed reports of laboratory studies, including individual animal data. Reference to relevant published studies should also be provided, where applicable.

In addition to original data mentioned above, the submission of existing regulatory dossiers as well as summaries in the form of monographs is helpful and is therefore strongly recommended.

Unpublished confidential studies that are submitted will be safeguarded and will be used only for evaluation purposes by JMPR. Summaries of the studies will be published by FAO and WHO after the meetings in the form of residue and toxicological monographs.

FAO and WHO have only limited data storage capacity. The submitted data can either be returned to the submitter at his expense or destroyed after the evaluations have been completed. Please indicate the preferred procedure for data disposal at the time of submission. Key material can be stored up to five years and will then be destroyed.

The secretariats of JMPR at FAO and WHO encourage electronic submissions. Such data should be presented preferably using standard word processing or document formats and should be submitted preferably on USB sticks. Special formats are not encouraged, however when submitting data e.g. in CADDY format, please provide the most recent software and a brief description on how to use it.

I. Toxicological Evaluation:

The submission of data on those compounds listed in Annex 1 for **toxicological evaluation** is requested before

1st December 2019

Toxicological data

Data relevant to the toxicological evaluations of the substances on the agenda include the results of studies on:

1. Biochemical data: metabolism and pharmacokinetic studies, effects on enzymes and other biochemical parameters;
2. Toxicological studies: acute toxicity, short-term toxicity, long-term toxicity/carcinogenicity; genotoxicity; reproductive studies;
3. Epidemiological, occupational health and other such observational studies of the potential health effects of human exposures
4. Special studies designed to investigate specific effects of the compound, such as neurotoxicity, immune responses, mechanism of toxicity, or macromolecular binding.
5. Data, studies or reasoned argument to determine the toxicological relevance of pesticide metabolites and degradates: This should include within the toxicological dossier a summary table for the occurrence of parent compounds, metabolites and degradates in various crops and animals. Where metabolites may be formed by alternate pathways in test species, evidence should be provided for the extent of exposure to intermediate metabolite(s), if these could be toxicologically relevant.
6. For metabolites and degradates for which experimental data are not available, results of in silico predictive models for genotoxicity i.e. (quantitative) structure activity relationships (Q)SAR, and identification of structural alerts. A clear indication of the models used, their rationale and limitations, as well as reasoned read-across should also be included.
7. Data from new molecular, cell and computer-based approaches: There has been great interest in the development of new mechanistic-based approaches. It is the opinion of JMPR that scientific developments and understanding are not sufficient at this time to enable the replacement of in vivo testing with in vitro methods to predict hazards and potency for systemic toxicities. However, new approaches can be used to complement traditional testing. In addition, JMPR offers to evaluate without prejudice, in parallel, any data generated using emerging methods that in the view of sponsors could substitute for information obtained using conventional testing methods (see Report of 2012 and 2013 JMPR).

NOTE 1: for compounds scheduled for evaluation of toxicity only, not the full data package is required. Data submission should focus on all data relevant to determine the potential for public health concern. This includes mainly acute and short-term toxicity studies, but also special studies such as neurotoxicity if relevant, or studies on the mechanism of action.

NOTE 2: For compounds listed for new uses, only data not previously submitted to JMPR should be collected.

All data should be sent to:

Attention:
Mr Soren Madsen
Department of Food Safety and Zoonoses
World Health Organization
Avenue Appia
1211 Geneva 27
Switzerland
Telephone: (+41) (0)22 791 36 97
E-mail: madsens@who.int

II. Residue Evaluation:

Data for **residue evaluation** listed in Annex 1 are requested before

20th December 2019

For details on data submission, please refer to the **FAO Manual on the Submission and Evaluation of Pesticide Residues Data** published at the FAO website:

http://www.fao.org/fileadmin/templates/agphome/documents/Pests_Pesticides/JMPR/Manual/FAO_manual_3rd_edition_Final.pdf

All data should be sent directly to the FAO Panel Member assigned to review the compound and only an electronic copy to FAO.

Attention:
Ms Yongzhen Yang
FAO Secretariat of the JMPR
Food and Agriculture Organization of the United Nations
Viale delle Terme di Caracalla
00153 Rome
Italy
Telephone: (+39) 06 570 54246
E-mail: YongZhen.Yang@fao.org

This call for data is available at both the FAO and WHO web sites:

http://www.fao.org/agriculture/crops/thematic-sitemap/theme/pests/jmpr/en/

https://www.who.int/foodsafety/call-data/en/

Annex 1

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List of substances scheduled for evaluation or re-evaluation

Previous reports and monographs should be consulted to obtain background information on the previous evaluations. For details please refer to http://www.fao.org/agriculture/crops/thematic-sitemap/theme/pests/jmpr/en/ http://www.who.int/foodsafety/chem/jmpr/publications/en/index.html

TOXICOLOGICAL EVALUATIONS	RESIDUE EVALUATIONS
New Compounds	**New Compounds**
Flutianil	Flutianil
Mefentrifluconazole	Mefentrifluconazole
Pyrasulfutole	Pyrasulfutole
Pyraziflumid	Pyraziflumid
	Pyridate (315)
Tetraniliprole	Tetraniliprole
Spiropidion (reserve)	Spiropidion (reserve)
Ethalfluralin (reserve)	Ethalfluralin (reserve)
Inpyrfluxam (reserve)	Inpyrfluxam (reserve)
Isoflucypram (reserve)	Isoflucypram (reserve)
Periodic Reevaluations	**Periodic Reevaluations**
Diazinon (22)	Diazinon (22)

TOXICOLOGICAL EVALUATIONS	RESIDUE EVALUATIONS
Fipronil (202)	Fipronil (202)
Prochloraz (142)	Prochloraz (142)
Methidathion (51)	Methidathion (51)
Terbufos (167) (reserve)	Terbufos (167) (reserve)
Carbaryl (008) (reserve)	Carbaryl (008) (reserve)
Quintozene (64) (reserve)	Quintozene (64)
Ethoxyquin (35)	Ethoxyquin (35)
Follow up evaluations[a]	**New uses and other evaluations**
Dimethoate (027)	
Carbosulfan (145) / Carbofuran (96)	
	Bixafen (262)
	Chlorothalonil (81)
	Difenoconazole (224)
	Fenbuconazole (197)
	Flutriafol (248)
Fenpyroximate (193)	Fenpyroximate (193)
	Imidacloprid (206)
	Isoprothiolane (299)
	Isoxaflutole (268)

[a] For all new uses to be evaluated for residues, available toxicological data which were not submitted previously to WHO should be provided alongside the residue data.

TOXICOLOGICAL EVALUATIONS	RESIDUE EVALUATIONS
	Profenofos (171)
	Prothioconazole (232)
	Quinclorac (287)
	Spiromesifen (294)
	Thiamethoxam (245)
	Trinexapac-ethyl (271)
	Tebuconazole (189)
	Trifloxystrobin (213)
	Cypermethrin (118) (Reserve)
	Fenpicoxamid (305) (Reserve)
	Pydiflumetofen (309) (Reserve)
	Sulfoxaflor (252) (Reserve)
	S-Methoprene (147) (Reserve)