

codex alimentarius commission



FOOD AND AGRICULTURE
ORGANIZATION
OF THE UNITED NATIONS

WORLD
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ORGANIZATION



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Agenda Item 9

CX/PR 01/15

JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON PESTICIDE RESIDUES

Thirty-third Session

The Hague, The Netherlands, 2-7 April 2001

ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES

(Prepared by Australia)

1. EVALUATION OF NEW COMPOUNDS

Five new compounds have been foreshadowed for review.

Switzerland has proposed 3 new compounds; cyprodinil, fludioxonil and trifloxystrobin (all fungicides) for evaluation by the JMPR.

Data will be provided by the manufacturer, Novartis Crop Protection AG (or its successor), to establish Codex MRLs for cyprodinil for the following commodities: barley, bean, cucumber, eggplant, grapes, wine (grape), lettuce, pea, pepper, pome fruits, stone fruits, strawberry, tomato and wheat.

Data will be provided by the manufacturer, Novartis Crop Protection AG (or its successor), to establish Codex MRLs for fludioxonil for the following commodities: bean, cucumber, eggplant, grapes, wine (grape), lettuce, pear, pepper, stone fruits, strawberry and tomato.

Data will be provided by the manufacturer, Novartis Crop Protection AG (or its successor), to establish Codex MRLs for trifloxystrobin for the following commodities: cereals, cucurbits, bananas, grapes, peanuts and pome fruits.

The manufacturer has indicated that the data can be submitted to JMPR for evaluation in 2003.

Germany has nominated one new compound – dimethenamid-P, a herbicide for use in beans, corn, potatoes, soy bean, sugar beet, sunflower. The manufacturer, BASF, has indicated that data could be provided in 2001.

The United States has proposed the new insecticide methoxyfenozide. Methoxyfenozide is a second-generation moult-accelerating insecticide belonging to the diacylhydrazine class of chemistry.

Data will be provided by the manufacturer, Rohm and Hass, to establish Codex MRLs for methoxyfenozide for the following commodities: brassicas, corn field, corn sweet, cotton, fruiting vegetables, grapes, orange, mandarin, leafy vegetables, pome fruit and stone fruit.

The manufacturer has indicated that the data will be submitted by February 2002.

2. JMPR REVIEW SCHEDULE

Appendix 1 contains the tentative agenda for the 2001 JMPR and tentative agendas for 2002 through 2007. Listed below are comments and changes made to the 2001 JMPR agenda.

Aldicarb (117): has been added to the tentative agenda for residues evaluation in 2001 as it was not finished at 2000 JMPR.

Carbaryl (008): has been added to the agenda for toxicological evaluation in 2001 because the evaluation could not be completed by JMPR in 2000. Carbaryl has been confirmed for periodic re-evaluation for residues in 2001.

Diazinon (022): is scheduled for acute toxicological evaluation in 2001.

Diquat (031) the data submitter has requested a delay in scheduling the residues evaluation previously scheduled for 2001. It has not been re-scheduled

Diphenylamine (030): has been added to the tentative agenda for 2001 for periodic re-evaluation of residues as it was not finished at 2000 JMPR.

Dodine (084): the data submitter has requested that dodine be moved from the 2001 schedule for periodic re-evaluation of residues as data would not be ready in time. It has not been re-scheduled.

Ethoprophos(149): the data submitter has requested that ethoprophos be moved from the 2001 schedule for periodic re-evaluation of residues as data would not be ready in time. It has not been rescheduled.

Fenitrothion (037): The data submitter has requested a postponement of the periodic re-evaluation for residues from 2001 to 2003.

Fipronil: a new compound evaluated for toxicology in 1997 and scheduled for residues evaluation by the 2000 JMPR, has been added to the 2001 tentative agenda as it was not finished in 2000.

Haloxyfop (194): has been confirmed for residues evaluation in 2001.

Imidacloprid (new): the data submitter has agreed to re-scheduling imidacloprid for residues evaluation from 2001 to 2002.

Imazalil (110): has been added to the tentative agenda in 2001 for toxicological evaluation to consider studies that were not submitted to the 2000 JMPR.

Iprodione (111): the manufacturer has agreed to provide data for tomatoes as a follow up to a periodic re-evaluation. This evaluation has been tentatively scheduled for 2001.

Kresoxim-methyl (199) the manufacturer has requested an MRL expansion to include citrus and peas. Kresoxim-methyl has been tentatively scheduled for 2001.

Mecarbam (124): The data submitter has indicated that this compound will no longer be supported.

Myclobutanil (181): The data submitter has requested a postponement of the residues evaluation of almonds, asparagus, carrots, cucumber, eggplant, melons (except watermelon) from 2001 to 2002.

Piperonyl Butoxide (62) has been added to the tentative agenda for 2001 for periodic re-evaluation as it was not finished at 2000 JMPR.

Tebufenozide (196): the data submitter has confirmed support for the residues evaluation for some commodities and also the acute toxicity evaluation for 2001.

Thiodicarb (154); has been confirmed for periodic re-evaluation of residues in 2001.

3. OTHER CHANGES TO THE TEMPORARY SCHEDULE

Acibenzolar-S-methyl (new): The data submitter has indicated that it would like to change priorities amongst the products it has submitted and has requested that cyprodinil be given priority amongst their products submitted. Cypronidil has been tentatively scheduled for periodic re-evaluation for toxicology in 2003 and residues in 2004. Acibenzolar-S-methyl has been tentatively re-scheduled to 2005 for toxicological periodic re-evaluation and 2006 for periodic re-evaluation for residues.

Benalaxyl (155): the data submitter has advised that benalaxyl will be supported for periodic re-evaluation for toxicology in 2005 and for periodic re-evaluation for residues in 2006.

Carbosulfan(145): will be supported for periodic re-evaluation for toxicology in 2003.

Cyromazine (169): will be supported for periodic re-evaluation for toxicology in 2005. The data submitter has indicated that the following CXLs will be supported for periodic evaluation for residues in 2006: bean, celery, cucumber, eggs, eggplant, lettuce head, mango, melons (except watermelon), milks, mushrooms, onions, peppers, potato, pig products, poultry products, sheep products, tomato, strawberry.

Cyhalothrin (146): is tentatively scheduled for periodic re-evaluation for toxicology in 2005 and residues in 2006. Cyhalothrin or specific enantiomers/isomers are yet to be supported.

Cyhexatin (067): will be supported for periodic re-evaluation for toxicology in 2003 and for residues in 2004.

2, 4D (020): is tentatively scheduled in 2003 residues evaluation of citrus.

Dimethoate (027): The Dimethoate Taskforce has confirmed that data will be provided in 2003 to support the residues evaluation of dimethoate for celery, citrus, olives and sugar beet as well as the acute toxicity evaluation. Dimethoate has been tentatively scheduled for 2003.

Famoxadone (new): has been tentatively scheduled for periodic re-evaluation for toxicology in 2004 and for periodic re-evaluation for residues in 2005.

Fenbuconazole (197): The data submitter has requested a postponement until further notice. It has not been re-scheduled.

Fenpropimorph (188): The data submitter has indicated that data for the acute toxicity evaluation will be provided in June 2001. The evaluation is tentatively scheduled for 2002.

Gentamicin and oxytetracycline (new): The data submitter has requested that these antibiotics be scheduled by 2004

Imidacloprid: the data submitter has agreed to re-scheduling the imidacloprid residues evaluation from 2001 to 2002.

Malathion (047): has been tentatively scheduled for acute toxicity evaluation in 2003 and residues evaluation of alfalfa, apples, citrus, strawberries, stored grain and tomatoes in 2002.

Permethrin (120): is tentatively scheduled for periodic re-evaluation for residues in 2005. Commodities for evaluation have not yet been nominated.

Phosmet (103): The data submitter has confirmed that some commodities will be supported for residues re-evaluation in 2002. Commodities for evaluation have not yet been nominated

Pirimicarb (101): The data submitter has confirmed support for periodic re-evaluation. Pirimicarb has been tentatively scheduled for periodic re-evaluation for toxicology in 2003 and for residues in 2004.

Propfenofos (171): has been tentatively scheduled for periodic re-evaluation for toxicology in 2005 and for residues in 2006. The data submitter has indicated that there is support for cabbages (head), cotton seed, cotton seed oil, cucurbits, meat (from mammals other than marine), milks, onions (new) peppers chili, peppers sweet, potato (new), tomato. There is no support for Brussels sprouts, cauliflower, common bean, oranges, soy bean, soy bean oil and sugar beet.

Propiconazole (160): has been tentatively scheduled for periodic re-evaluation for toxicology and residues in 2004. The data submitter has indicated support for almonds, banana, barley, cocoa, coffee beans, edible offal (mammalian), eggs, grapes, mango, maize, meat (from mammals other than marine mammals), milks, oats, peanut, peanut whole, pecan, poultry meat, rape seed, rye, stone fruits, sugar beet, sugar beet leaves and tops, sugar cane, tree nuts (cashew, pecan, walnut), wheat, rice, tea, tropical fruits (guava, mango, pineapple).

Procymidone (136): the data submitter has indicated that procymidone will be supported for periodic re-evaluation. Procymidone has been tentatively scheduled periodic re-evaluation for toxicology in 2006 and periodic re-evaluation for residues in 2007.

Terbufos (167): will be supported for periodic re-evaluation for toxicology in 2003 and for periodic re-evaluation for residues in 2004.

Tolyfluanid (162): The data submitter has proposed that Tolyfluanid be re-scheduled from 2004 to 2003.

Triadimenol (168) and Triademefon (133): The data submitter has requested that the periodic re-evaluation for toxicology be postponed 2002 to 2003 and the periodic re-evaluation for residues postponed from 2003 to 2004.

4. CRITERIA FOR PRIORITIZING AND SCHEDULING

After taking into account the compounds tentatively scheduled for Periodic Re-evaluation until the year 2005 and new pesticides added this year, there are **11** that meet the selection criterion of having last been reviewed toxicologically more than 10 years ago and/or not having had a significant review of maximum residue limits for 10 years (see Annex 1).

The next step is for the manufacturers to confirm by **1 November 2001** the availability of data to support a periodic re-evaluation of these compounds and therefore permit scheduling of the reviews.

5. COMPOUNDS RECOMMENDED FOR DELETION

Mecarbam (124): the data submitter has advised that there is no longer support for this chemical.

There has been no confirmed support at this stage for the following candidate compounds for periodic re-evaluation:

- anilazine, flusilazole, hexaconazole, paclobutazol and propoxur.

6. PESTICIDES REQUIRING ACUTE TOXICITY ASSESSMENTS

The 1999 JMPR identified 11 pesticides for which acute toxicities should be evaluated as soon as possible (FAO Plant Production and Protection Paper 153, section 3). Of these pesticides, evaluations have been scheduled for diazinon and phosalone (2001), carbofuran, ethephon and fenpropimorph (2002), carbosulfan, dimethoate/omethoate and malathion (2003). Arguments that acute reference doses is not necessary have been received from the manufacturers of chlorpyrifos-methyl, which are being considered by the WHO Secretariat. The manufacturer of tebufenozide has proposed an acute reference dose, which will be considered by the 2001 JMPR. Confirmation has not been received that data will be provided to support the acute toxicity evaluation of fenproximate, folpet and oxydemeton-methyl.

7. COMPOUNDS PROPOSED FOR PRIOR LISTING BUT FOR WHICH FURTHER CONSIDERATION IS REQUIRED BEFORE A DECISION CAN BE MADE.

Oxytetracycline and gentamicin.

8. FUTURE EVALUATIONS AND RE-EVALUATIONS BY JMPR

To encourage member country participation in the process of nominating candidate chemicals for review, it is recommended that the agendas of the JMPR as finalized by the Joint Secretaries of the JMPR be placed on the FAO Home Page as requested by the CCPR at its 30th Session (ALINORM 99/24, para. 103):

<http://www.fao.org/waicent/FaoInfo/Agricult/AGP/AGPP/Pesticid>

<http://www.who.int/pcs/jmpr/jmpr.htm>

PRIORITY LIST OF COMPOUNDS SCHEDULED FOR EVALUATION OR REEVALUATION BY JMPR

The following is the tentative lists of compounds to be considered by the FAO/WHO Joint Meeting of Pesticide Residues (JMPR) from 2001 – 2007.

TENTATIVE AGENDA OF THE 2001 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS	NEW COMPOUNDS
imidacloprid	chlorpropham
spinosad	fipronil
PERIODIC REEVALUATIONS	PERIODIC REEVALUATIONS
	carbaryl (008)
lindane (048)	diflubenzuron (130)
imazalil (110)	dimethipin (151)
methoprene (147)	diphenylamine(030)
prochloraz (142)	methomyl (094)/thiodicarb (154)
	propargite (113)
	piperonyl butoxide (62)
EVALUATIONS	EVALUATIONS
	aldicarb (117)
carbaryl (008)	haloxyfop (194)
diazinon (022) –acute toxicity	kresoxim-methyl (199)
diflubenzuron (130)	iprodione (111)
methomyl (094)	tebufenozide(196)
imazalil (110)	
phosalone (060)-acute toxicity	
tebufenozide(196) – acute toxicity	

TENTATIVE AGENDA OF THE 2002 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS	NEW COMPOUNDS
esfenvalerate*	esfenvalerate*
flutolanil	imidacloprid
PERIODIC REEVALUATIONS	PERIODIC REEVALUATIONS
acephate (095)	acephate (095)
	deltamethrin (135)
metalaxyl-M**	methamidophos (100)
methamidophos (100)	oxamyl (126)
oxamyl (126)	paraquat(057)
paraquat(057)	pirimiphos-methyl (086)
tolylfluanid (162)	procloraz (142)
	triazophos (143)
triazophos (143)	
EVALUATIONS	EVALUATIONS
carbofuran (096)-acute toxicity	carbofuran (096)
ethephon (106)-acute toxicity	dithiocarbamates (105)
guazatine (114)	guazatine (114)
fenpropimorph-acute toxicity	malathion (049)
	myclobutanil (181)
	phosmet (103)

*Replacement chemical for fenvalerate

** Replacement chemical for metalaxyl.

TENTATIVE AGENDA OF THE 2003 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS cyprodinil quinclorac PERIODIC REEVALUATIONS bendiocarb (137) cyhexatin (067)/azocyclotin (129) glyphosate(158) phorate (112) pirimicarb (101) terbufos (167) triadimefon (133)*** triadimenol (168) EVALUATIONS carbosulfan- acute toxicity dimethoate/omethoate-acute toxicity malathion- acute toxicity	NEW COMPOUNDS flutolanil PERIODIC REEVALUATIONS endosulfan (032) fenitrothion (037) lindane (048) metalaxyl-M** methoprene (147) propineb tolylfluanid (162) EVALUATIONS dimethoate (027) dicloran (083) iprodione (111) 2,4D (020)

***TRIADIMENOL SHOULD BE SCHEDULED AT THE SAME TIME

TENTATIVE AGENDA OF THE 2004 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS famoxadone zeta cypermethrin PERIODIC REEVALUATIONS clofentezine (156) propamocarb (148) propiconazole(160)	NEW COMPOUNDS cyprodinil quinclorac [gentamicin sulfate] [oxytetracycline hydrochloride] PERIODIC REEVALUATIONS bendiocarb (137) cypermethrin (118)# cyhexatin (067) glyphosate(158) phorate (112) pirimicarb (101) propiconazole(160) terbufos (167) triadimefon (133)*** triadimenol (168) triforine (116) EVALUATIONS malathion (047) 2-phenyl phenol (056)

#NOTE NEED FOR CO-ORDINATION BETWEEN JMPR AND JECFA

TENTATIVE AGENDA OF THE 2005 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS acibenzolar-S-methyl fludioxinil trifloxystrobin	NEW COMPOUNDS famoxadone alpha cypermethrin*** zeta cypermethrin
PERIODIC REEVALUATIONS benelaxyl (155) cyromazine (169)	PERIODIC REEVALUATIONS clofentezine (156)
 profenofos (171)	 permethrin (120)
 terbufos (167)	

TENTATIVE AGENDA OF THE 2006 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS dimethenamid-P methoxyfenozide	NEW COMPOUNDS acibenzolar-S-methyl fludioxinil trifloxystrobin
PERIODIC REEVALUATIONS procymidone(136)	PERIODIC REEVALUATIONS benelaxyl (155) cyromazine (169) cyhalothrin (146)
	profenofos (171)

TENTATIVE AGENDA OF THE 2007 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS	NEW COMPOUNDS dimethenamid-P methoxyfenozide
PERIODIC REEVALUATIONS	PERIODIC REEVALUATIONS procymidone(136)

**ANNEX 1
CANDIDATE COMPOUNDS FOR PERIODIC
RE-EVALUATION - NOT YET SCHEDULED**

azinphos methyl ¹	fentin compounds ¹
buprofezin ¹	monocrotophos ¹
bioresmethrin ¹	phosphamidon ¹
chlorpyrifos methyl ¹	propoxur ¹
cyfluthrin (residues) ¹	vinclozolin ¹
dodine (residues) ²	hexythiazox ¹
ethoprophos (residues) ²	

- 1 New candidate compound for periodic re-evaluation
- 2 Compound previously scheduled awaiting re-scheduling

**ANNEX 11
CANDIDATE COMPOUNDS FOR ASSESSMENT OF ACUTE
TOXICITY - NOT YET SCHEDULED**

chlorpyrifos methyl	oxydemeton-methyl
fenpyroximate	tebufenozide
folpet	

**COMPOUNDS PROPOSED FOR PRIOR LISTING
BUT FOR WHICH FURTHER CONSIDERATION IS
REQUIRED BEFORE A DECISION CAN BE MADE.**
Oxytetracycline and gentamicin.