

codex alimentarius commission

FOOD AND AGRICULTURE
ORGANIZATION
OF THE UNITED NATIONS

WORLD HEALTH
ORGANIZATION

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Agenda Item 8

CX/PR 00/13
January 2000

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

Thirty-second Session

The Hague, The Netherlands, 1 - 8 May 2000

ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES

(Prepared by Australia)

1. EVALUATION OF NEW COMPOUNDS

Three new compounds have been foreshadowed for review.

Switzerland has proposed the new compound acibenzolar-S-methyl, a plant activator for evaluation by JMPR. Data will be provided by the manufacturer, Novartis, to establish Codex MRLs for the following commodities: banana, brassica, cereals, chilli, leafy vegetables, mango and tomato. The toxicology/metabolism package could be submitted by June 2002 and the residue dossier as appropriate. The proposed review date is 2003.

Mexico has proposed two new compounds, the antibiotics gentamicin sulphate and oxytetracycline hydrochloride. Data is available now to establish Codex MRLs for apple, peppers and tomato. The toxicological evaluations of these substances are relatively recent. JECFA re-evaluated the ADI for gentamicin at its fiftieth meeting in 1998 when an ADI of 0-0.20 mg/kg bw was established. Oxytetracycline was also re-evaluated at the fiftieth meeting when a group ADI of 0-0.30 mg/kg bw for chlortetracycline, oxytetracycline and tetracycline was established.

Unless new toxicological information is available, re-evaluation for toxicology is not considered necessary. It is proposed that oxytetracycline hydrochloride and gentamicin sulphate be reviewed for residues in 2004.

The Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF) has been considering MRLs for gentamicin in various tissues of cattle and pigs¹. The CCRVDF has also been considering MRLs for chlortetracycline/oxytetracycline/tetracycline in various tissues of cattle, sheep, pigs, poultry, fish and giant prawn² to replace the respective Codex MRLs for oxytetracycline³ adopted in 1993 or 1997.

2. JMPR REVIEW SCHEDULE

Annex 1 contains the final agenda for the 2000 JMPR and tentative schedules for 2001 through 2004. The following changes were made to the JMPR schedules for 2000 and 2001.

Amitraz (122): The residues periodic re-evaluation has been postponed to 2003

Chlorfenvinphos (014): Manufacturer's support for periodic re-evaluation has been withdrawn.

¹ At Step 7 of the Codex Procedure; residue definition, gentamicin.

² At Step 7 of the Codex Procedure; residue definition, parent drugs, singly or in combination.

³ Residue definition, oxytetracycline.

Cypermethrin (118): including alpha and zeta cypermethrin has been tentatively scheduled for periodic re-evaluation in 2004 instead of 2000.

Myclobutanil (181): the manufacturer has requested that myclobutanil be evaluated for MRL expansion for a range of commodities in 2001.

Oxamyl (126): The toxicological periodic re-evaluation has been moved from 2001 to 2002 to permit review of the complete dossier with new studies being completed.

Permethrin (120): the manufacturer has no plan to submit data for residues periodic re-evaluation in 2001.

Vamidothion (078): the manufacturer has indicated that the dossier on vamidothion will not be provided in time for toxicological evaluation at JMPR in 2000. Vamidothion has been tentatively scheduled in 2001 pending further consideration.

3. OTHER CHANGES TO THE TEMPORARY SCHEDULE

Cyhexatin (67): will be supported for periodic re-evaluation and is tentatively scheduled for both toxicological and residues review in 2003. The manufacturer has suggested a residues review in 2004.

Dicloran (083): Dicloran was reviewed by JMPR in 1998. The manufacturer has indicated that residues data would be available for the evaluation of grapes, head lettuce peaches, plums, strawberries and tomatoes in 2003 in line with the Periodic Reevaluation Procedure.

Febuconazole (197): the manufacturer has requested that residues data be evaluated for the expansion of the MRL for febuconazole. The residues evaluation of blueberries, peanut and peppers is tentatively scheduled for 2002.

Glyphosate (158): The manufacturer supports a periodic re-evaluation for both toxicology and residues and indicates that data could be submitted to JMPR in 2002. Glyphosate is tentatively scheduled for toxicology and residues in 2003.

Paclobutrazol (161) The manufacturer is prepared to support a periodic re-evaluation of residues at a date consistent with EU review. Request for a change from superscript 2 to superscript 4 in the list of Candidate Compounds for Periodic Re-evaluation Not Yet Scheduled

Paraquat (057) The manufacturer has indicated there is support for a periodic re-evaluation once scheduled. Data will be available for submission from mid-2001 onwards. Paraquat is tentatively scheduled for 2002.

Propamocarb (148): the toxicological and residues periodic re-evaluations have been tentatively rescheduled from 2002 and 2003 to 2004 and 2005 respectively at the manufacturer's request.

Pyrimiphos-methyl (086): has been tentatively scheduled for residues periodic re-evaluation in 2002. Data will be available in late 2001.

4. CRITERIA FOR PRIORITIZING AND SCHEDULING

The timetables for the JMPR for the compounds pending periodic review were prepared in accordance with the priorities proposed in 1996.

After taking into account the compounds scheduled for Periodic Re-evaluation until the year 2005, there remain **13** 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).

The next step is to confirm with the manufacturer(s) 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

Chlorfenvinphos (014): the manufacturer has indicated that it cannot support the review in 2000 as there will no longer be a GAP. National approval for chlorfenvinphos will be revoked in the UK but

owing to a 2 year sell-out period, the national MRLs will not be revoked until 2002. The manufacturer has requested that the Codex MRLs not be deleted until 2002.

Permethrin (120): the manufacturer has no plan to submit data for residues periodic re-evaluation in 2001.

6. CANDIDATE COMPOUNDS FOR PERIODIC RE-EVALUATION NOW SCHEDULED

Paraquat is tentatively scheduled for both toxicological and residues periodic re-evaluation in 2002.

Glyphosate is tentatively scheduled for both toxicological and residues periodic re-evaluation in 2003.

7. 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>

PRIORITY LIST OF COMPOUNDS SCHEDULED FOR EVALUATION OR REEVALUATION BY JMPR

The following is the final or tentative lists of compounds to be considered by the FAO/WHO Joint Meeting of Pesticide Residues (JMPR) from 2000 – 2004.

TENTATIVE AGENDA OF THE 2000 JMPR

TENTATIVE AGENDA OF THE 2001 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS chlorpropham	NEW COMPOUNDS fipronil
PERIODIC REEVALUATIONS acephate (95)	PERIODIC REEVALUATIONS amitraz (122) captan (007) chlorpyrifos (017)
deltamethrin (135)	diphenylamine (030)
dodine (084) fenitrothion (037) imazalil (110) methamidophos (100)	parathion (058) parathion-methyl (059) piperonyl butoxide (62) pyrethrins (063)
thiodicarb (154)	
EVALUATIONS carbaryl (008)	EVALUATIONS aldicarb (117)
DDT (21)	chlormequat (15) DDT (21) fenthion (039) fenpropimorph (188)
fipronil	lindane(048) mevinphos (053) thiabendazole (065)

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS imidacloprid spinosad	NEW COMPOUNDS chlorpropham imidacloprid spinosad
PERIODIC REEVALUATIONS	PERIODIC REEVALUATIONS carbaryl (008) diflubenzuron (130) dimethipin (151) dodine (084) ethoprophos (149) fenitrothion (037) imazalil (110)
lindane (048) mecarbam (124)	methomyl (094)/thiodicarb (154)
methoprene (147) prochloraz (142) triazophos (143) vamidothion (078)	propargite (113)
EVALUATIONS diflubenzuron (130)	EVALUATIONS diquat (031) guazatine (114)
guazatine (114) methomyl (094)	myclobutanil (181)

TENTATIVE AGENDA OF THE 2002 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS esfenvalerate* flutolanil	NEW COMPOUNDS esfenvalerate* flutolanil
PERIODIC REEVALUATIONS metalaxyl-M** oxamyl (126) paraquat(057) tolyfluanid (162) triadimefon (133)	PERIODIC REEVALUATIONS acephate (095) deltamethrin (135) methamidophos (100) oxamyl (126) pirimiphos-methyl (086) procloraz (142) paraquat (057) triazophos (143) vamidothion (078)
EVALUATIONS carbofuran (096)	EVALUATIONS carbofuran (096) dithiocarbamates (105) febuconazole (197) phosmet (103)

*Replacement chemical for fenvalerate

** Whether it is a replacement chemical for metalaxyl needs to be confirmed.

TENTATIVE AGENDA OF THE 2003 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS acibenzolar-S-methyl quinclorac	NEW COMPOUNDS acibenzolar-S-methyl quinclorac
PERIODIC REEVALUATIONS bendiocarb (137) cyhexatin (067) glyphosate(158)	PERIODIC REEVALUATIONS amitraz (122) cyhexatin (067) endosulfan (032) glyphosate (158) lindane (048) mecarbam (124) metalaxyl-M** methoprene (147) propineb triadimefon (133)
	EVALUATIONS dicloran (083)

TENTATIVE AGENDA OF THE 2004 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS	NEW COMPOUNDS gentamicin sulphate oxytetracycline hydrochloride
PERIODIC REEVALUATIONS clofentezine (156) propamocarb (148)	PERIODIC REEVALUATIONS bendiocarb (137) clofentezine (156) cypermethrin (118) tolyfluanid

TENTATIVE AGENDA OF THE 2005 JMPR

Toxicological evaluations	Residue evaluations
NEW COMPOUNDS	NEW COMPOUNDS
PERIODIC REEVALUATIONS	PERIODIC REEVALUATIONS propamocarb (148)

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

anilazine ¹	pirimicarb ⁴
benalaxyl ¹	procymidone ¹
cyhalothrin ³	propiconazole ¹
flucythrinate ⁴	propoxur ¹
metalaxyl ³	terbufos ¹
paclobutrazol ⁴	triforine (residues) ⁴
phorate ¹	

- ¹ Availability of adequate data package to be confirmed
² New candidate compound for periodic re-evaluation
³ Not supported for periodic re-evaluation. However, there is support for MRLs based on the use of specific enantiomers/isomers
⁴ Awaiting scheduling date for review in the European Community