

codex alimentarius commission



FOOD AND AGRICULTURE
ORGANIZATION
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WORLD
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ORGANIZATION



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Agenda Item 14

CX/PR 06/38/13
March 2006

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

Thirty-eighth Session

Hotel Vila Galé, Fortaleza, Brazil, 3 - 8 April 2006

ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES

Prepared by Australia

1. EVALUATION OF NEW COMPOUNDS

Switzerland has proposed the fungicide azoxystrobin as a reduced risk chemical for review by the JMPR. Azoxystrobin is a Qo inhibitor and belongs to the class of strobilurin fungicides. Azoxystrobin has a very low mammalian toxicity. It is not mutagenic nor is it a developmental or reproductive toxicant. The chemical is not acutely toxic with studies showing no neurotoxic effects. It has been shown to be non-carcinogenic in mice and rats. The major routes of degradation in the environment are via photolysis and aerobic microbial metabolism. On reaching the soil, azoxystrobin is rapidly degraded. Based on adsorption/desorption data azoxystrobin is classified as being of medium to low mobility in soil and has no potential to contaminate groundwater. If azoxystrobin reaches water bodies, it is rapidly adsorbed to the sediment where it is broken down by microbial action. Furthermore, photolytic degradation can occur in the water. The major microbial soil metabolite of azoxystrobin is readily degraded in soil and is not of concern with respect to pesticidal activity, ecotoxicity, and mammalian toxicity and is therefore not relevant in soil or water. The two major photolytic metabolites of azoxystrobin are rapidly degraded in soil and therefore highly unlikely to contaminate groundwater.

Commodities for which CXLs are sought are: asparagus, bananas, barley, beans, carrots, chilli, citrus, coffee, cucumber, eggplant, grapes, mangoes, oilseed rape, onions, papayas, potatoes, rice, soybeans, stone fruit, tomatoes, watermelon and wheat.

Data is available for submission to JMPR.

2. JMPR REVIEW SCHEDULE

Appendix 1 contains the tentative schedule for the 2006 JMPR and tentative schedules for 2007 through 2012. Changes to the tentative schedules will be made taking into consideration the prioritisation criteria agreed at CCPR 35 ALINORM 03/24A Appendix IX and the limited resources of JMPR.

3. CHANGES TO THE 2006 TENTATIVE SCHEDULE

Alpha and zeta cypermethrin (118) have been renamed "cypermethrins" and the residue re-evaluation has to be postponed until 2007 because the data will not be ready for submission for the 2006 JMPR.

Endosulfan (032) periodic re-evaluation for residues was unable to be completed in 2005 and is scheduled for evaluation by JMPR in 2006.

Fludioxinil (JMPR 2004) has been added to the 2006 tentative schedule for the residues evaluation of pome fruit and post harvest uses at the request of the manufacturer.

Acephate (095), chlorpyrifos (017), diazinon (022), imidacloprid (206), methoxyfenozide (209) and propiconazole (160) have been added to the 2006 tentative schedule for the residues evaluation of cranberries at the request of the United States.

Temephos has been added to the 2006 tentative schedule for toxicological evaluation

4. CHANGES TO THE 2007 TENTATIVE SCHEDULE

Benalaxyl (155) has been postponed to the 2009 tentative schedule at the request of the manufacturer.

Carbaryl (008) has been added to the 2007 tentative schedule for the evaluation for residues data on chilli peppers at the request of Thailand following the completion of additional studies.

Captan (007) has been added to the 2007 tentative schedule for the re-evaluation of the ARfD at the request of the manufacturer following the completion of an additional studies recommended by the 2005 JMPR

Cypermethrin(118) has been postponed from the 2006 tentative schedule for residues re-evaluation as the data will not be ready in 2006.

Fenpyroximate (193) has been added to the 2007 tentative schedule for the re-evaluation of the ARfD at the request of the manufacturer following the completion of an additional studies recommended by the 2004 JMPR.

Folpet has been added to the 2007 tentative schedule for the re-evaluation of the ARfD at the request of the manufacturer following the completion of an additional studies recommended by the 2005 JMPR.

5. CHANGES TO THE 2008 TENTATIVE SCHEDULE

Azoxystrobin, a new fungicide chemical, is tentatively scheduled for 2008.

6. CHANGES TO THE 2009 TENTATIVE SCHEDULE

Benalaxyl (155) has been postponed from the 2007 tentative schedule at the request of the manufacturer.

7. CANDIDATE CHEMICALS FOR PERIODIC RE-EVALUATION – NOT YET SCHEDULED-

CCPR 35 agreed that candidate chemicals for re-evaluation were to be selected on the basis of not having a major toxicological or residue review for 15 years provided that the Committee consider reverting to the 10-year period criterion once the JMPR backlog was removed. (ALINORM 03/24A paragraph 172). On this basis the next candidate chemicals for periodic re-evaluation would be nominated at CCPR 40 in 2008.

8. CHEMICALS PROPOSED FOR PRIORITY LISTING BUT FOR WHICH FURTHER CONSIDERATION IS REQUIRED BEFORE A DECISION CAN BE MADE

DDT (EMRLs) see paragraph 173 ALINORM 03/24 and paragraphs 174,175 ALINORM 03/24A for explanations on why the review of EMRLs has been delayed.

Gentamicin, oxytetracycline: Both antibiotics were nominated for review by the JMPR in 2000. CCPR referred the matter of potential antibiotic resistance development to CAC and requested the Commission to coordinate consideration of the issue across relevant Committees including CCRVDF and Food Hygiene.

9. 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/ipcs/food/jmpr/en/>

NOTE: A formal call for data with deadlines for the 2006 JMPR with information on data submissions has been published on the websites.

<http://www.who.int/ipcs/food/jmpr/data/en/>

APPENDIX 1**PRIORITY LIST OF CHEMICALS SCHEDULED FOR EVALUATION AND RE-EVALUATION BY JMPR**

The following are the tentative schedules to be evaluated by the FAO/WHO Joint Meeting on Pesticides Residues

2006 JMPR

New Compounds		New Compounds	
aminopyralid		aminopyralid	
bifenazate		bifenazate	
boscalid		boscalid	
quinoxifen		quinoxifen	
thiacloprid		thiacloprid	
Periodic re-evaluations		Periodic re-evaluations	
cypermethrins	2006R	endosulfan (032)	
cyfluthrin / beta cyfluthrin (157)	2007R	pirimicarb (101)	2004T
cyromazine (169)	2007R	propamocarb (148)	2005T
temephos		triadimefon (133) / triadimenol (168)	2004T
Evaluations		Evaluations	
haloxyfop (194) – acute and chronic toxicity	2001R	acephate(095) –additional MRL	
pirimiphos-methyl (086) – acute tox	2004R	aldicarb (117) – review of GAPs for MRL proposal	2002T
thiabendazole (065) – acute toxicity	2006R	chlorpyrifos (017) – additional MRL	
thiophanate-methyl (077) – acute tox		diazinon (022) –additional MRL	
		disulfoton (074)– review of GAPs for MRL proposal	1996T
		fenamiphos (085)– review of GAPs for MRL proposal	1997T
		fludioxonil – review of GAPS for MRL proposal/ additional MRLs	2004T
		imidacloprid (206) – additional MRL	
		methoxyfenozide (209) – additional MRL	
		propargite (113)	2002R (4 year review)

		propiconazole (160) – additional MRL	
		pyraclostrobin (210)	2003T
		thiabendazole (065) additional MRLs	2006T
2007 JMPR			
New Compounds		New Compounds	
dimethomorph		dimethomorph	
pyrimethanil		pyrimethanil	
zoxamide		zoxamide	
difenoconazole		difenoconazole	
Periodic re-evaluations		Periodic re-evaluations	
azinphos-methyl (002)	2008R	clofentezine (156)	2005T
lambda cyhalothrin	2008R	cyfluthrin/beta cyfluthrin (157)	2006T
flusilazole (165)	2007R	cypermethrins (118)	2004T (JECFA)
		cyromazine (169)	2006T
procymidone (136)	2008R	flusilazole (165)	2007T
profenofos (171)	2007R	permethrin (120)	1999T
vinclozolin (159)	2008R	triazophos (143)	2002T
		profenofos (171)	2007T
		propiconazole (160)	2004T
Evaluations		Evaluations	
captan (007) -review of the ARfD		tebuconazole (189)– additional MRLs	1994T
Carbaryl(008) – review of basis for ARfD setting		Carbaryl (008) alternative GAP	2001T, 2002R
Fenitrothion (037) (review of ADI and ARfD)			
Fenpyroximate (193) – review of the ARfD			

2008 JMPR			
New Compounds		New Compounds	
azoxystrobin		azoxystrobin	
Periodic re-evaluations		Periodic re-evaluations	
bioresmethrin (93)	2009R	azinphos-methyl (002)	2007T

buprofezin (173)	2009R	lambda-cyhalothrin replacement of cyhalothrin	2007T
chlorpyrifos-methyl (090)	2009R	procymidone (136)	2006T
hexythiazox (176)	2009R	vinclozolin (159)	2007T
Evaluations		Evaluations	
2009 JMPR			
New Compounds		New Compounds	
Periodic re-evaluations		Periodic re-evaluations	
bifenthrin (178)	2010R	benelaxyl (155)	2005T
cadusafos (174)	2010R	bioresmethrin (93)	2008T
chorothalanil (081)	2010R	buprofezin (173)	2008T
cycloxydim (179)	2010R	chlorpyrifos-methyl (090)	2008T
		hexythiazox (176)	2008T
Evaluations		Evaluations	
2010 JMPR			
New Compounds		New Compounds	
Periodic re-evaluations		Periodic re-evaluations	
aldicarb (117)	2011R	amitraz (122)	1998T
dicofol (026)	2011R	bifenthrin (178)	2009T
dithianon (028)	2011R	cadusafos (174)	2009T
fenbutatin oxide (109)	2011R	chorothalanil (081)	2009T
		cycloxydim (179)	2009T
Evaluations		Evaluations	

2011 JMPR			
New Compounds		New Compounds	
Periodic re-evaluations		Periodic re-evaluations	
dichlorvos (025)	2012R	aldicarb (117)	2010T
diquat (031)	2012R	dicofol (026)	2010T
etofenprox (184)	2012R	dithianon (028)	2010T
fenprothrin (185)	2012R	fenbutatin oxide (109)	2010T
Evaluations		Evaluations	

2012 JMPR			
New Compounds		New Compounds	
Periodic re-evaluations		Periodic re-evaluations	
triforine (116)	2012R	dichlorvos (025)	2011T
		diquat (031)	2011T
		etofenprox (184)	2011T
		fenprothrin (185)	2011T
		triforine (116)	2012T
Evaluations		Evaluations	