codex alimentarius commission

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

WORLD HEALTH ORGANIZATION

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Agenda Item 9 **CX/PR 07/39/9**
March 2007

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES
Thirty-ninth Session
Beijing, China, 7 - 12 May 2007

ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES

(Prepared by Australia)

1. EVALUATION OF NEW COMPOUNDS

The United States has proposed the new insecticide spinetoram as a reduced risk pesticide for review by the JMPR. Spinetoram is specifically designed for the control of lepidopteran pests, *Liriomyza* leafminers and thrips in a wide range of fruit and vegetable markets. Spinetoram has lower risk to humans, birds and fish than available alternatives. Additionally, spinetoram is below all levels of concern for adverse effects to algae and aquatic vascular plants. It is unlikely to contaminate groundwater, and will significantly reduce the pesticide load in the environment because of its low use rate compared to the products it will displace, particularly organophosphate and carbamate insecticides. Commodities for which CXLs are sought are: citrus, lettuce, pome fruit, stone fruit, tomatoes and tree nuts. The first registrations are expected in the USA and Canada in 2007. Data is available for submission.

Germany has proposed the new fungicide fluopicolide for review by the JMPR.

Fluopicolide is a new highly active fungicide, which belongs to the novel chemical class of acylpicolides.

The acute toxicity is very low. Fluopicolide is non-irritating to the skin and eyes nor does it cause sensitizing. There is no genotoxic or carcinogenic potential associated with fluopicolide, and no signs of neurotoxicity and no effects on reproductive parameters were found. The degradation rates of fluopicolide in soil are 100-140 days (average DT50 values in US and Europe). Based on intensive field testing even under worst-case conditions for leaching, fluopicolide will not pose a risk to groundwater and the environment.

Low toxicity of fluopicolide was observed to birds, wild mammals, honeybees, non-target arthropods, earthworms and other soil organisms. Fish and some algae species have been found to be more susceptible. The environmental safety assessment confirmed no concern under practical conditions even without any risk mitigation measures.

Commodities for which CXLs are sought are: bell pepper, cucumber, grapes, lettuce, melons and tomatoes. Data will be available for submission to WHO and FAO in 2008 for evaluation by the JMPR in 2009.

2. JMPR REVIEW SCHEDULE

Appendix 1 contains the tentative schedule for the 2007 JMPR and tentative schedules for 2008 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.

CHANGES TO THE 2007 TENTATIVE SCHEDULE

Aminopyralid (220) has been included in the 2007 tentative schedule for finalisation of the 2006 evaluations for both toxicology and residues.

Carbendazim (072) has been included in the 2007 tentative schedule for evaluation of toxicological concerns raised by the EU.

Cypermethrins (118) has been postponed from the 2007 tentative schedule to 2008 for residues re-evaluation to allow for trials to be completed and data to be submitted.

Dimethoate (027) has been included in the 2007 tentative schedule to evaluate the retrospective alternative GAPs for cabbages, head; lettuce, head and peppers, sweet.

Indoxacarb (216) has been included in the 2007 tentative schedule to evaluate dietary intake concerns for cabbages, head.

Methiocarb (132) has been added to the 2007 tentative schedule to evaluate dietary intake concerns.

Permethrin (120) has been postponed from the 2007 tentative schedule to 2008 for residues re-evaluation at the request of the new manufacturer.

Triadimefon (133) and triadimenol (168) residues evaluations have been postponed from the 2006 JMPR and included in the 2007 tentative schedule for finalisation of the 2006 evaluations.

Vinclozolin (159): The manufacturer has informed the JMPR Secretariat that the chemical is no longer supported and consequently the toxicological evaluations will not be performed at the 2007 JMPR.

MRLs for dried chilli pepper has been requested for azinphos-methyl (068), diazinon (022), imidacloprid (206), metalaxyl(138), methomyl (094), methoxyfenozide (209) and vinclozolin (159).

4. CHANGES TO THE 2008 TENTATIVE SCHEDULE

Chlorpyrifos-methyl (090) residues evaluation has been moved from the 2009 tentative schedule to the 2008 tentative schedule to align with the toxicological evaluation.

Cypermethrins (118) has been postponed from the 2007 tentative schedule to 2008 for residues re-evaluation to allow for trials to be completed and data to be submitted.

Fenuconazole (197) – The manufacturer has requested re-evaluation of the existing CXL for pome fruit and additional CXLs for almonds, blueberries, citrus, cranberries, plums and prunes

Methomyl (094) has been included in the 2008 tentative schedule to evaluate the retrospective alternative GAPs for cucumber, pear, melons, tomato, grapes and zucchini

Oxamyl (126) has been included in the 2008 tentative schedule to evaluate retrospective alternative GAPs for citrus fruits, cucumber, melon, pepper and tomato.

Permethrin (120) has been postponed from the 2007 tentative schedule to 2008 for residues re-evaluation at the request of the new manufacturer.

Vinclozolin (159): The manufacturer has informed the JMPR Secretariat that the chemical is no longer supported and consequently the toxicological evaluations will not be performed at the 2007 JMPR. Support is requested for the chemical to be further considered for evaluation by the JMPR.

The new chemical spinetoram has been placed in the 2008 tentative schedule pending approval by CCPR.

5. CHANGES TO THE 2009 TENTATIVE SCHEDULE

The new chemical fluopicolide has been placed in the 2009 tentative schedule pending approval by CCPR

Chlorpyrifos-methyl (090) residues evaluation has been moved from the 2009 tentative schedule to the 2008 tentative schedule to align with the toxicological evaluation.

6. 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.

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

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

2007 JMPR

Toxicological evaluations		**Residues evaluations**	
New Compounds		**New Compounds**	
difenoconazole		difenoconazole	
dimethomorph		dimethomorph	
pyrimethanil		pyrimethanil	
zoxamide		zoxamide	
Periodic re-evaluations		**Periodic re-evaluations**	
azinphos-methyl (002)	2008R	clofentezine (156)	2005T
lambda cyhalothrin	2008R	cyfluthrin/beta cyfluthrin (157)	2006T
flusilazole (165)	2007R		
		cyromazine (169)	2006T
procymidone (136)	2008R	flusilazole (165)	2007T
profenofos (171)	2007R		
vinclozolin (159)*	2008R	profenofos (171)	2007T
		propiconazole (160)	2004T
		triazophos (143)	2002T
* no data submission as the chemical is no longer supported		triadimefon(133)/ triadimenol (168)	
Evaluations		**Evaluations**	
aminopyralid (220) - finalisation of evaluation pending complete data submission		aminopyralid (220) finalisation of evaluation pending complete data submission	
atrazine – toxicity evaluation for water drinking guidelines – requested by WHO		carbaryl (008) – retrospective alternative GAP cherries; citrus fruits, citrus juice, citrus pulp,dry; dried grapes and stone fruits and additional MRLs	2001T, 2002R

captan (007) -review of the ARfD		dimethoate(027) – retrospective alternative GAPs:cabbages, head; lettuce, head; peppers sweet	
		Indoxacarb (216) intake concerns for cabbages, head	
carbendazim (072) – EU will submit written concernd to the JMPR Secretariat		fenitrothion (037) –apple; cereal grains; edible offal (mammalian); eggs; meat (from mammals other than marine mammals); milks; poultry meat; rice bran, unprocessed; wheat bran unprocessed.	
fenitrothion (037) (review of ADI and ARfD)		methiocarb (132) Intake concerns for peppers (concern raised by Germany)	
fenpyroxymate (193) – review of the ARfD		phosmet (1030 – retrospective alternative GAPs for apricot, blueberries, citrus fruit , nectarine and pome fruit.	
folpet (041) – review of the ARfD.		tebuconazole (189)– additional MRLs	1994T
		azinphos-methyl (068), diazinon (022), imidacloprid (206), metalaxyl(138), methomyl (094), methoxyfenozide (209) and vinclozolin (159) – MRLs for dried chilli pepper	

2008 JMPR

Toxicological evaluations		**Residue Evaluations**	
New Compounds		**New Compounds**	
azoxystrobin		azoxystrobin	
mandipropamid		mandipropamid	
spinetoram		spinetoram	
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)		chlorpyrifos-methyl (090)	2008T
hexythiazox (176)		cypermethrins (118)	2004T (JECFA)
		permethrin (120)	1999T
	2009R	procymidone (136)	2006T
	2009R	vinclozolin (159)	2007T
Evaluations		**Evaluations**	
		fenbuconazole (197) – re-evaluation of the pome fruits CXL; additional CXLs for almonds, blueberries, citrus, cranberries, plums and prunes	
		methomyl (094) - to evaluate retrospective alternative GAPs for cucumber, pear, melons, tomato, grapes and zucchini	
		oxamyl (126) - to evaluate retrospective alternative GAPs for citrus fruits, cucumber, melon, pepper and tomato.	

2009 JMPR

New Compounds		**New Compounds**	
fluopicolide		fluopicolide	
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	hexythiazox (176)	2008T
Toxicological evaluations		**Residue Evaluations**	
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
fenropathrin (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
		fenpropathrin (185)	2011T
		triforine (116)	2012T
Evaluations		**Evaluations**	