

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
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Agenda Item 12(a)

CX/PR 11/43/13-Add.1

March 2011

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

43rd Session

Beijing, P.R. China, 4 - 9 April 2011

ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES

(Prepared by Australia)

A. TENTATIVE SCHEDULE 2012-2018

1. The Schedule – CCPR Priority Lists of Pesticides (the Schedule) for evaluations and re-evaluations by the FAO/WHO JMPR is shown at Appendix 1. Information regarding the Schedule is provided below.

2. Members and observers are invited to comment on the Schedule and the associated issues noted for consideration (**in bold text**). Nominations and requested amendments received in the period August 2010 to March 2011 are listed in Appendix 1.

B. JMPR RESOURCES AND CCPR PRIORITY SCHEDULE WORKLOAD

3. In addition to comments from several member countries and Croplife International members, the discussion paper 'JMPR resource issues in the provision of scientific advice to CCPR' highlights the recent significant increase in new chemical nominations to the CCPR priority schedule. The paper notes that the new compound evaluation workload is well beyond the capacity of available JMPR resources.

4. To exacerbate matters, the periodic re-evaluation schedule has fallen well behind requirements to meet the '15 year rule' established in the section 6: Annex of the *Risk Analysis Principles applied by CCPR*. Chemicals scheduled for periodic re-evaluation in 2018 are in fact due for evaluation in 2011.

5. Attention is drawn to the prioritisation criteria listed in the Annex: sections 2-5: of the *Risk Analysis Principles applied by CCPR*. Two of the prioritisation criteria for which differentiation is easily made are whether or not there is a current national registration and whether or not the use of the pesticide gives rise to residues.

6. To assist CCPR decision making in the scheduling of new compounds, an additional column has been added to the Appendix 1 tables. The column titled 'prioritisation criteria' considers national registration status and the presence of residues. Member countries and Croplife International members are requested to check and confirm the information provided in this new table column.

C. NEW COMPOUNDS

7. Sixteen new compounds have been nominated for inclusion in the Schedule for 2012, 2013 and 2014.

2011

8. In accordance with a decision taken at the 42nd session of CCPR, final consideration of the schedule for 2011 was made at that meeting and thus the 2011 schedule was closed in regard to the addition of new chemicals. However, as clarified previously, the 2011 Schedule was not closed in regard to the addition of commodities for chemicals listed for 2011 JMPR evaluation until the JMPR 'List of Substances Scheduled for Evaluation and Request for Data' was issued during October 2010. Any further additions of commodities are at the discretion of the JMPR Secretariat and the relevant JMPR evaluator.

2012

9. Five new chemicals have been nominated for inclusion in the 2012 Schedule. The chemicals (imazapic, imazapyr, flufenoxuron, picoxystrobin and sedaxane) are in addition to the five chemicals (ametoctradin, chlorfenapyr, dinotefuran, fluxapyroxad and MCPA) nominated at or prior to CCPR42. To ensure the number of new chemical evaluations and chemicals due for periodic evaluation were commensurate with JMPR evaluator resources (approximately 10 chemicals), these chemicals were moved from the 2011 schedule at CCPR42 following discussions between relevant manufacturers and nominating countries. The chemicals are listed as Priority 1. At the request of the nominating country and the manufacturer, clopyralid was removed from the Schedule.

10. At 1 March 2011, there are 10 new and 18 'follow-up' evaluations and 9 periodic re-evaluations listed in the 2012 Schedule. By comparison, and following significant negotiation, the final 2011 Schedule included 8 new and 12 'follow-up' evaluations and 4 periodic evaluations. The 2012 Schedule is clearly well beyond the capacity of the JMPR and decisions will need to be taken to move 2 or 3 new chemicals and possibly 4 periodic re-evaluation chemicals to the 2013 Schedule. At CCPR42, it was agreed the 5 chemicals (ametoctradin, chlorfenapyr, dinotefuran, fluxapyroxad and MCPA) should be given priority for the 2012 schedule and not be moved. Members are reminded that CCPR has previously decided there should be a reasonable balance of new and old chemicals scheduled for JMPR evaluation.

11. Member countries, manufacturers and observers are asked to:

- note that the 2012 Schedule lists 10 new and 18 follow-up evaluations and 9 periodic re-evaluations. This workload is well beyond the current capacity of the JMPR.
- note that the number of follow-up evaluations will increase following discussions on the chemicals in plenary.
- consider which 2 or 3 new chemicals and possibly 4 periodic re-evaluation chemicals can be moved to 2013 Schedule.
- note that this rescheduling immediately places the workload of the 2013 Schedule at extreme levels.
- note that some new compounds scheduled for evaluation do not appear to meet the current prioritisation criteria. From information provided on the nomination form, the chemical fluxapyroxad and sedaxane do not appear to have a current national registration.

2013

12. Nine new chemicals have been nominated for inclusion in the 2013 Schedule. The chemicals (bixafen, dichlobenil, fenamidone, isoxaflutole, mesotrione, pymetrozine, tolfenpyrad, triflumizole and trinexapac) are in addition to the chemical cyantraniliprole which is listed as Priority 1 following rescheduling from 2012. In addition, the 2013 Schedule lists 13 follow-up evaluations and at least 9 periodic re-evaluations.

13. Member countries, manufacturers and observers are asked to:

- note that the 2013 Schedule lists 10 new and 13 follow-up evaluations and 9 periodic re-evaluations. This workload is well beyond the current capacity of the JMPR.
- consider that, that with the rescheduling of 2 or 3 new chemicals and 4 periodic re-evaluation chemicals from the 2012 Schedule, the 2013 Schedule requires significant rescheduling. This rescheduling from 2013 to subsequent years should involve up to 5 new chemicals and up to 9 periodic re-evaluation chemicals.
- note that some new compounds scheduled for evaluation do not appear to meet the current prioritisation criteria. From information provided on the nomination form, the chemical cyantraniliprole and SN545192 do not appear to have a current national registration.

2014

14. Two new chemicals were nominated for inclusion in the 2014 Schedule. Seven chemicals are listed for follow-up evaluation and seven chemicals schedule for periodic re-evaluation.

D. FOLLOW-UP EVALUATIONS

15. Requests were made for several follow-up evaluations largely for additional MRLs. Further details are provided in Appendix 1.

E. PERIODIC RE-EVALUATIONS

16. Following the annual review of the CCPR chemical list in terms of the fifteen year rule for periodic re-evaluations (Appendix 2), three chemicals [ferbam, ziram and flumethrin] were listed on the tentative schedule for periodic re-evaluation for 2018 (see Appendix 1).

17. The manufacturer has indicated that data packages for ferbam and ziram will be submitted as one package with a view to a single evaluation of the dithiocarbamate chemicals. Flumethrin also has manufacturer support.

F. PERIODIC RE-EVALUATIONS – CHEMICALS NO LONGER SUPPORTED

2009

18. Although procymidone was subjected to toxicological evaluation by the JMPR [general consideration 1.8 of the 2009 JMPR Report] in response to concerns raised by the EC regarding the ADI and ARfD [Alinorm 08/31/24, para 73], the scheduled periodic re-evaluation for residues was not undertaken by the JMPR in 2009 because the manufacturer has withdrawn support [Alinorm 09/32/24, para 190].

19. A decision on the status of the procymidone CXLs was overlooked at CCPR42. Member countries, manufacturers and observers are asked to consider a decision at CCPR43 to revoke all procymidone CXLs or alternatively indicate support for the chemical.

2010

20. Vinclozolin was not supported by the manufacturer and, as flagged at CCPR41, decisions on retention or revocation of CXLs will need to be taken.

21. A decision on the status of the vinclozolin CXLs was overlooked at CCPR42. Member countries, manufacturers and observers are asked to consider a decision at CCPR43 to revoke all vinclozolin CXLs or alternatively indicate support for the chemical.

2011

22. The manufacturer advised that dicofol was no longer supported. However, India has indicated that a data package will be submitted and will include residue data supporting tea.

23. Member countries are reminded of paragraph 177 of ALINORM 10/33/24 which states "was advised by JMPR that a toxicology data package was also required" in addition to the residue data supporting tea.

2012

24. The manufacturer has advised that it no longer supports the chemical aldicarb (117) [2012 – toxicological re-evaluation, 2013 – residue re-evaluation].

25. Member countries and observers are asked to note aldicarb is longer supported by manufacturer. Member countries should provide advice as soon as practicable on whether or not to support this chemical. This advice, to be forwarded to the Chair EWG Priorities and the JMPR Secretariats, should be accompanied by information on a new supporting manufacturer and relevant data packages.

2013

26. The following chemicals [dinocap (87) and methidathion (51)] are no longer supported by the manufacturer.

27. Member countries and observers are asked to note these chemicals are longer supported by manufacturer. Member countries should provide advice as soon as practicable on whether or not to support these chemicals. This advice, to be forwarded to the Chair EWG Priorities and the JMPR Secretariats, should be accompanied by information on a new supporting manufacturer and relevant data packages.

2014

28. The following chemicals [bromide ion (47), bromopropylate (70), phosalone (60) and tecnazene (115)] are listed as 'support unknown'.

29. Member countries and observers are asked to note these chemicals have no known manufacturer support. Member countries should provide advice as soon as practicable on whether or not to support these chemicals. This advice, to be forwarded to the Chair EWG Priorities and the JMPR Secretariats, should be accompanied by information on a new supporting manufacturer and relevant data packages.

2015

30. The following chemical [hydrogen phosphide (46)] is currently listed as 'support unknown'. However, at least two member countries are working with a manufacturer with a view to supporting the periodic re-evaluation.

2016

31. The following chemicals [bioresmethrin (93) and permethrin (120)] are no longer supported by the manufacturer.

32. Member countries and observers are asked to note these chemicals are no longer supported by manufacturer. Member countries should provide advice as soon as practicable on whether or not to support these chemicals. This advice, to be forwarded to the Chair EWG Priorities and the JMPR Secretariats, should be accompanied by information on a new supporting manufacturer and relevant data packages.

2017

33. No current issues

2018

34. No current issues

Appendix 1: Schedule – CCPR Priority Lists of Pesticides

2011 JMPR NEW COMPOUNDS EVALUATIONS (Closed for further chemical nominations)				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
acetamiprid [Nippon Soda] - Japan	acetamiprid	Registered MRLs > LOQ	citrus, pome fruits, stone fruits, grape, strawberries, small fruits and berries, animal commodities <u>Pesticide Initiative Project – beans with pods</u>	orange (1), lemon (2), tangerine (3), mandarin (2), stone fruits (13), tree nuts (12), cucurbits (6), tomato (22), grape (32), head lettuce (8), leaf lettuce (36), spinach (8), celery (8), pepper (11), apple (17), pear (9), broccoli (9), cabbage (10), mustard greens (9), cotton (15), legumes (22), berries (14), onion crops (9), strawberries (10), red clover (3)
emamectin-benzoate [Syngenta] - USA PRIORITY 1 – CCPR41 - move from 2010	emamectin-benzoate	Registered MRLs > LOQ	Grapes, potatoes, pome & stone fruits, tomatoes, eggplants, cucurbits (cucumber, melon, watermelon), lettuce, spinach, pepper, beans & peas, brassicas	Grapes (16), Pome fruit (19), Stone fruit (8), Tomatoes (24), Cucumber (8), Melon (12), Lettuce (25), Pepper (12), Beans with pods (16), Cauliflowers (11), Broccoli (11), Cabbage (7), Mustard Greens (6), Tree nuts (10), Cotton (11)
flutriafol [Cheminova] – USA	flutriafol	Registered MRLs > LOQ	apples, grapes, bananas, soybean, peanut, wheat, coffee	
isopyrazam [Syngenta] - Switzerland	isopyrazam	Registrations (UK, NZ and Colombia) MRLs > LOQ	Wheat, barley, cereals, bananas	Wheat (21), Barley (21), Bananas (12)
propylene oxide [Aberco] - USA	propylene oxide	Registered MRLs > LOQ	tree nuts, cacao, spices and dried fruit	
saflufenacil [BASF] - USA	saflufenacil	Registered MRLs > LOQ	soy bean, peas and beans, corn, sorghum, cereals, citrus, pome fruit, stone fruit, almonds, pecan, sunflower, cotton, grape, banana, mango, coffee, sugar cane, canola, animal products	Citrus (US 23, BR 3), tree nuts (US 10), pome fruit (US 25, BR 3), stone fruit (US 29), grape (US 12, BR 2), banana (LA 14), mango (BR 4), potato (BR 4), legume veg (BR 5), pulses (US 19), soybean (US 20, BR 5), sunflower (US 8, BR 4), cotton (US 12, BR 4), canola (US 16), wheat (US 25), barley (US 6), maize (US 20), sorghum (US 9), rice (US 6, BR 4), coffee (LA 4), sugar cane (BR 5)
sulfoxaflor [Dow AgroSciences] proposed pilot chemical - registrations	sulfoxaflor	Pilot	cereal grains (wheat, barley, rice), soya bean, oilseed rape, cottonseed, pome fruits, stone fruits, citrus fruits, tree nuts, grapes, dried grapes, strawberries, leafy vegetables, fruiting vegetables, cucurbits, brassica vegetables, and bulb vegetables and animal products, <u>legume vegetables, potato, root and tuber vegetables</u>	<u>Cereal grains (wheat, barley) (67), soya bean (19), oilseed rape (21), cottonseed (22), pome fruits (37), stone fruits (48), citrus fruits (40), tree nuts (12), grapes (33), dried grapes (1), strawberries (13), leafy vegetables (48), fruiting vegetables (64), cucurbits (42), brassica vegetables (39), bulb vegetables (12) and animal products, legume vegetables (17), root and tuber vegetables (49)</u>

<p>penthiopyrad [DuPont] - USA</p>	<p>penthiopyrad</p>	<p>Not registered Expected US registration 12/11</p>	<p>[Brassica (Cole) Leafy Vegetables – Broccoli, Broccoli (Chinese, gailon), Broccoli Raab (rapini), Brussels Sprouts, Cabbage, Cabbage (Chinese, bok choy), Cabbage (Chinese, napa), Cabbage (Chinese mustard, gai choy), Cauliflower, Cavalo Broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, Turnip Greens, Bulb Vegetables – Chive, Chive (Chinese), Daylily, Elegans Hosta, Fritillaria, Garlic, Garlic (great-headed), Garlic (serpent), Kurrat, Lady's Leek, Leek, Leek (wild), Lily, Onion (Beltsville bunching), Onion (bulb), Onion (Chinese), Onion (fresh), Onion (green), Onion (macrostem), Onion (pearl), Onion (potato), Onion (tree), Onion (Welsh), Shallot, Oilseed – Canola, Sunflower, Cereal grains – Barley, Buckwheat, Corn (field), Corn (sweet), Millet (pearl), Millet (proso), Oats, Popcorn, Rye, Sorghum (milo), Sorghum ssp. (sudangrass and hybrids), Teosinte, Triticale, Wheat, Cotton, Cucurbit vegetables – Chayote, Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (edible; includes hyotan, ucuzza, hechima, Chinese okra), Momordica spp (includes balsam apple, balsam pear, bittermelon, Chinese cucumber), Muskmelon (includes cantaloupe), Pumpkin, Squash (summer), Squash (winter; includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), Watermelon, Fruiting vegetables – Eggplant, Groundcherry, Pepino, Pepper (bell), Pepper (chili), Pepper (pimento), pepper (sweet), tomatillo, tomato, Grape, Leafy vegetables - Amaranth (Chinese spinach), Arugula (roquette), Cardoon, Celery, Celery (Chinese), Celtuice, Chervil, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Corn salad, Cress (garden), Cress (upland), Dandelion, Dock (sorrel), Endive (escarole), Fennel (Florence), Lettuce (head), Lettuce (leaf), Orach, Parsley, Purslane (garden), Purslane (winter), Radicchio (red chicory), Rhubarb, Spinach, Spinach (New Zealand), Spinach (vine), Swiss chard, Legume vegetables (succulent and dried) - Bean (Lupinus; includes - grain lupin,</p>	
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2011 JMPR FOLLOW-UP EVALUATIONS (Closed for further chemical nominations)			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	acephate (95) [China]	rice	
	azoxystrobin [Syngenta] USA (229)	Ginseng and its products [R of Korea] Pesticide Initiative Project – okra, passionfruit, papaya Coffee (brazil) Malaysia – carambola	Await further advice
	benalaxyl (155) [EU]	onion, tomato, potato	
	cypermethrin (118) – [FMC-Agriphar]	Tree nuts, citrus fruit, asparagus (Thailand) and tea, chilli (India, China)	

	Difenoconazole (224) [Syngenta] – RoK	Ginseng and its products [R of Korea]	
	diflubenzuron (130) [Chemtura]	artichoke, cottonseed, grapefruit, orange, soybean, soybean hull, tangerine, barley (grain, hay, straw), wheat (forage, hay, straw, grain), brassica leafy greens, stone fruit (except cherry), tree nuts, peanut, pepper, pistachio, pummelo and turnip greens	
glyphosate (158) [DuPont]	glyphosate (158)	maize grain and soya bean (dry)	
	hexythiazox (176) [BASF]	Hops, tea and strawberries	Hop (11), strawberry (24), tea (8)
	profenofos (171) [Syngenta]	chilli pepper, chilli pepper (dry), (Thailand) – note retain 4 year rule	
	pyraclostrobin (210) [BASF] – Germany	Citrus (grapefruit, orange, lemon, lime, mandarin), stone fruits (apricot, cherry, peach, plum), strawberry, cane fruits (blackberries, dewberries, raspberries), small berries (blueberry, cranberry, currants, gooseberry, rose hip, mulberry, azarole, elderberry), bulb vegetables (garlic, onion, shallot, spring onion), cucurbits - inedible peel (melon, pumpkin, watermelon), oilseeds, oat, sorghum, tropical fruits (e.g. mango, papaya, avocado)	Citrus fruits (38); tree nuts (10); stone fruits: cherries (14), plums (15), peach and nectarine (19); berries and other small fruits: blackberries (4), raspberries (10), blueberries and currants (14), strawberry (11); assorted tropical and sub-tropical fruits – inedible peel: avocado, mango and papaya (7); bulb vegetables: garlic and onion bulb (12), onion Welsh and spring onion (7); fruiting vegetables, cucurbits: cucumber (12), squash summer (8), melons except watermelon and watermelon (15); stalk and stem vegetables: artichoke globe (19); cereal grains: oats (12), barley (29), rye (5), triticale and wheat (36), sorghum (13); oilseeds: oilseed except peanut (42); legume animal feeds: alfalfa fodder and alfalfa forage (12)
	spinosad (203) [Dow AgroSciences] -USA	cranberry, hops, - revised GAP (blueberries; raspberries, red, black; onion, bulb; tree nuts) Pesticide Initiative Project – beans with pod, okra, passionfruit, papaya, snowpeas	<u>Cranberry (6), hops (2), blueberries (8), raspberries, red, black (6), onion, bulb (36), tree nuts (13)</u> <u>Number of trials for beans with pod, okra, passionfruit, papaya, snowpeas being developed by COLEACP PIP.</u>
	spirotetramate [Bayer CropScience] – USA	edible podded bean, edible podded pea, succulent shelled bean, succulent shelled pea, dry bean seed, dries pea seed, soybean seed, tropical fruits, lychee, dried prunes, okra, pistachio, undelinted cotton seed, and onion bulb, avocado, birida, black sapote, canistel, cherimoya, custard apple, feijoa, jaboticaba, guava, llama, longan, mamey sapote, mango, papaya, passionfruit, persimmon, pulasan, rambutan, sapodilla, soursop, Spanish lime, star apple, starfruit, sugar apple, wax jambu, white sapote,	edible podded bean, edible podded pea (9), succulent shelled bean, succulent shelled pea (12), dry bean seed, dries pea seed (14), soybean seed (20), tropical fruits, lychee (4), dried prunes, okra, pistachio, undelinted cotton seed (12), and onion bulb, avocado (5), birida, black sapote, canistel, cherimoya, custard apple, feijoa, jaboticaba, guava (2), llama, longan, mamey sapote, mango (4), papaya (4), passionfruit, persimmon, pulasan, rambutan, sapodilla, soursop, Spanish lime, star apple, starfruit, sugar apple, wax jambu, white sapote, kiwi fruit (11)

2011 JMPR PERIODIC RE-EVALUATIONS (Closed for further chemical nominations)

TOXICOLOGY	RESIDUE	Commodities	comments
dichlorvos (025) [AMVAC Chemical UK]			
dicofol (026) – [Dow AgroSciences]	dicofol (026)	tea and data package to be provided by India	not supported by the manufacturer

<p>etofenprox (184) [Mitsui Chemicals Inc]</p>	<p>etofenprox (184)</p>	<p>Grape, orange, apple, peach, head cabbage, soybean, tomato, bean, potato, maize, rice, wheat, coffee bean, rape seed, cotton seed</p>	<p>Grape (18 trials), orange (3), apple (12), peach (15), head cabbage (8), soybean (9), tomato (4), bean (8), potato (3), maize (8), rice (38), wheat (2), coffee bean (6), rape seed (8), cotton seed (9)</p>
	<p>tebuconazole (189) – [Bayer CropScience]</p>	<p>artichoke, banana, barley, brassica vegetables, broad bean, citrus, carrot, coffee beans, cucumber, elderberries, garlic, grapes, hops, leek, lettuce head, maize, mango, melons, oats, onion, papaya, peach, peanut, peppers sweet, plums, pome fruit, prunes, rape seed, rice, rye, soya bean, summer squash, sweet corn, tomato, watermelon, wheat. Pesticide Initiative Project – bean with pods, okra, papaya, passionfruit, snowpeas</p>	<p>artichoke (9), banana (24), barley and oats (34), brassica vegetables (66), bean (24), citrus (12), carrot (17), cherry (32), coffee beans (15), cotton (17), cucumber and zucchini (24), elderberries (4), grapes (47), hops (11), leek (12), lettuce head, maize (23), mango (18), melons and watermelon (27), olive (4), onion and garlic (39), papaya (8), passionfruit (8), peach and nectarine and apricot (23), peanut (29), peppers sweet (13), plums (37), pome fruit (10), prunes (see plum), rape seed (31), rice (14), soya bean (28), summer squash, sweet corn (12), tomato and aubergine (47), tree nuts (15), wheat and rye (47). (total residue trials planned to be submitted by Bayer CropScience: 781) Pesticide Initiative Project – bean with pods, okra, papaya, passionfruit, snowpeas</p>

2012 JMPR NEW COMPOUND EVALUATIONS				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
ametoctradin [BASF] - USA PRIORITY 1	ametoctradin -	Registered MRLS > LOQ	potato, cucumber, zucchini, melon, tomato, peppers, table and wine grapes, lettuce and lamb's lettuce, brassica vegetables, bulb vegetables and hops	Tomato (20), Pepper (10), Cucumber (8), Squash (10), Melon (8), Head lettuce (8), Leaf lettuce (9), Spinach (8), Grapes (13), Potatoes (21), Bulb onions (10), Spring Onion (3), Broccoli (10), Cabbage (10), Mustard greens (7), Celery (9), Hops (3)
chlorfenapyr [BASF] - Brazil moved to 2012 on request	chlorfenapyr [BASF] - Brazil	Registered MRLS > LOQ	cotton seed, beans, papaya, peppers, cabbage, tomato, garlic, onion, corn, melon, tea and potato Egypt - orange, pomegranate (await advice on data)	Potato (8 trials LA), Tomato (8 trials LA), Red Pepper (8 trials LA), Citrus (16 trials LA+ 2 PF trials LA), Melons (8 trials LA), Papaya (5 trials LA), Eggplant (4 trials LA), Onion (8 trials LA), Garlic (5 trials LA), and Tea (6 trials)
eoppyralid [Dow AgroSciences] - USA	eoppyralid		<u>Manufacturer is no longer supporting.</u>	<u>Manufacturer is no longer supporting.</u>
dinotefuran [Mitsui Chemicals Agro] - Japan PRIORITY 1	dinotefuran	Registered MRLS > LOQ	apple, cabbage, chinese cabbage, citrus, cotton seeds, cruciferous vegetables, cucurbits, eggplant, grape, green soybeans, lettuce, mango, melon, okra, peach, pear, persimmon, potato, rice, soy bean, spinach, sweet peppers, tea, tomato, meat from mammals (other than marine mammals), edible offals (mammalian), milks, cranberry (USA)	Rice (6 reports), tomato and cherry tomato (4 reports), cucumber (3), eggplant (3), green pepper and chilli (5), okura (1), cabbage (2), chinese cabbage (1), shungiku (1), komatsuna (10), mizuna (1), pachoy (1), radish (3), turnip (1), carrot (2), melon (2), citrus-natsumikan (2), citrus-kabosa-sudachi (2), citrus-unshu orange (2), persimmon (2), peach (1), biwa (1), mango (1), nectarin (2), pear (2), apple (2), plum (3), grape (3), strawberry (1), cherry (3), kiwi fruit (1), water melon (1), welsh onion (3), lettuce-head and leaf (4), tea (2), sugar beet (1), broccoli and stem (2), celery (1), spinach (1), shungiku (1), green peas (1), soy bean (1), green soy bean (2), rakkyo (1), kuwai (1), pumpkin (1), potato, (1), wasabi (1), basil (1), chinese nira (1), asparagus (1) Cranberry (5)
imazapic BASF Brazil	imazapic	Registered MRLs mostly at LOQ	Peanut, sugarcane, rice, maize and soybean, animal feed items	Soybean (14 BR + 5 BR Proc), corn (4 BR), rice (4 BR)
imazapyr BASF Brazil	imazapyr	Registered MRLs mostly at LOQ	Soybean, sunflower, rice, corn, sugarcane, canola, animal feed items	Soybean (18 BR + 8 BR Proc), corn (4 BR), rice (4 BR)
flufenoxuron BASF Brazil	flufenoxuron	Registered MRLs > LOQ	Soybean, pomefruit (apple, pear), orange, melon, tomato, grape	Soybean (4 BR), pome-fruit (3), orange (1), melon, tomato (5), grape (14)

fluxapyroxad [BASF] – USA PRIORITY 1	fluxapyroxad	Not registered Expected US registration 4/12	cereals (barley, corn, rice, sorghum and wheat), oilseeds (canola, sunflower, and cottonseed), root and tuber vegetables (potato, carrot, sugar beet), legume vegetables (dry and succulent peas, beans and soybean), Brassica stem and leafy vegetables (broccoli, cauliflower, cabbage), fruiting vegetables (peppers, tomatoes), pome fruit (apple and pear), citrus (orange, grapefruit, lemon), stone fruits (cherry, peach, plum), cucurbits (cucumber, melon, pumpkin, squash), bulb vegetables (onion, garlic), coffee, banana, grapes, mango, papaya and peanuts.	Potato (21, US/CA, + 2 Proc), sugar beet root (12, US/CA, + 2 Proc*), pea (13, US/CA), bean (11, US/CA), soybean (15, US/CA, + 4 Proc), tomato (20, US/CA, + 4 Proc), pepper (10, US/CA), apple (14, US/CA, + 2 Proc), pear (10, US/CA), cherry (6, US), peach (12, US/CA), plum (10, US/CA, + 2Proc), field corn (15x, US/CA, + 2 Proc), sweet corn (6, US/CA), barley (12, US/CA, + 4 Proc), wheat (25, US/CA, + 4 Proc), sorghum (9, US, + 2 Proc), rice (12, US/CA, + 2 Proc), canola (16, US/CA, + 2 Proc), sunflower (8, US/CA, + 2 Proc), peanuts (12, US/CA, + 2 Proc), cotton (12, US/CA, + 2 Proc), lettuce (as follow crop, 5, Europe), cauliflower (as follow crop, 3, Europe), broccoli (as follow crop 1, Europe), carrot (as follow crop, 4) <i>* processing study</i> <i>additional trials with less critical GAP:</i> <i>barley (32 EU, 4 BR, 4 AUS), wheat (12 EU, 4 BR, 4 AUS), Triticale (4 EU), oat (4 BR), field corn (4 BR), soybean (4 BR)</i>
MCPA [Nufarm] – USA PRIORITY 1 – moved on request from 2011	MCPA	Registered MRLs > LOQ	Wheat grain, barley grain, peas, corn	Barley grain (49), Barley forage (11), Barley straw (50), Barley hay (36), Wheat grain (54), Wheat forage (75), Wheat straw (76), Wheat hay (66), Wheat processing (2), Corn (field) grain (24), Corn forage (24), Corn stover (24), Peas with pods (4), Peas without pods (5), Peas, dry (8), Pea forage (8), Pea hay (8), Flax seed (22), Grass forage (26), Grass hay (14)
picoxystrobin – [Dupont] -USA	picoxystrobin	Registered MRLs > LOQ	cereal grains (wheat, barley, oats, triticale, rye), oilseed (rapeseed), soybean and tomato, canola, maize (sweet, field), and pulses.	Canola (2), Cereals (Barley, Oats, Rye, Triticale, Wheat) (38), Cereals (Barley, Triticale, Wheat) (10), Cereals (Barley, Wheat) (47), Cereals (Barley, Wheat) (6), Field Corn (16), Oilseed Rape (13), Oilseed Rape (18), Pulses (chick peas, lentils, dry beans) (22), Soybean (30), Sweet Corn (11)
sedaxane – [Syngenta] - USA	sedaxane	Not registered Expected US registration 5/12	Wheat, barley, oats, triticale, soybean, and canola	wheat grain (67), wheat forage (67), wheat hay (36), wheat straw (67), oat grain (8), oat forage (4), oat straw (4), barley grain (36), barley hay (26), barley forage (4), barley straw (4), canola seed (24)

2012 JMPR FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	buprofezin (173) [Nihon Nohyaku] USA	coffee (USA) , tea (Japan)	Coffee (6), Tea (6)
	captan (7) [Arysta] -	Pesticide Initiative Project - mango	Await further advice
	carbofuran (96) [FMC]	banana	Await further advice
	chlorpyrifos-methyl (090) [Dow AgroSciences]	Alternative GAP for cereal commodities (wheat, barley, oat, sorghum, wheat germ, wheat bran – unprocessed – excluding maize)	<u>Cereal commodities (wheat, barley, oat, sorghum) (24)</u>
	cyfluthrin (157) - [Bayer CropScience]	soybean, cabbage	Soybean (20 trials + 1 processing trial) Cabbage ?.

	Cyproconazole	Coffee (Brazil)	Coffee (10)
	cyromazine (169) [Syngenta]	Pesticide Initiative Project – beans with pods	Await further advice
	<u>2,4-D (020) [Dow AgroSciences]</u>	<u>New GAP for soya bean</u>	<u>Soya bean (24)</u>
	dithiocarbamates - mancozeb (105) [Dow AgroSciences]	Pesticide Initiative Project – mango, okra, papaya	<u>Number of trials for mango, okra, and papaya being developed by COLEACP PIP.</u>
fenbuconazole (197) – ARfD – Dow AgroSciences			Await further advice
	imidacloprid (206) [Bayer CropScience]	Pesticide Initiative Project - mango	Await further advice
	lambda cyhalothrin (146) [Syngenta]	Pesticide Initiative Project – mango, okra	Await further advice
	methoxyfenozide (209) [Dow AgroSciences]	New GAP for on spinach; alfalfa forage; alfalfa fodder; citrus fruits Pesticide Initiative Project – beans with pods Cucurbit vegetables: cucumber, Summer squash, melon (USA)	<u>Spinach (8); alfalfa forage (9); alfalfa fodder (9); citrus fruits (20)</u> <u>Number of trials for beans with pod being developed by COLEACP PIP.</u> cantaloupe (7 trials); cucumber (8 trials); summer squash (6 trials) (USA)
	oxamyl (126) [DuPont] –	residue definitions, methods	
	phorate (112) [BASF] [AMVAC]	potato – awaiting confirmation	Await further advice
	spinetoram (233) [Dow AgroSciences]	New GAP for stone fruits; cabbage, head; broccoli; citrus fruits; grapes; dried grapes; onion, bulb; leafy vegetables; broad bean; tree nuts, <u>blueberries; raspberries, red and black; onions, green</u>	<u>Stone fruits (21); cabbage, head (13); broccoli (11); citrus fruits (17); grapes (14); dried grapes (1); onion, bulb (10); leafy vegetables (21); broad bean (8); tree nuts (12); blueberries (6); raspberries, red and black (6); onions, green (6)</u>
	thiacloprid (223) [Bayer CropScience]	Pesticide Initiative Project – beans with pods, papaya	Await further advice
	trifloxystrobin (213) [Bayer CropScience]	Pesticide Initiative Project – beans with pods, mango, papaya, passionfruit	strawberry (21 residue trials), lettuce head (8 trials), Olive (12 trials) and aubergine (6 trials).

2012 JMPR PERIODIC RE-EVALUATION

TOXICOLOGY	RESIDUE	Commodities	comments
aldicarb (117) Bayer CropScience		No longer supported by the manufacturer	No longer supported by the manufacturer
bentazone (172) (BASF)	bentazone (172)	beans (green and dried), peas (green and dried), cereals, maize, sorghum, onion, peanuts, potato, linseed, meat, milk, eggs.	Await further advice

	cycloxydim (179) [BASF] -	Beans (green and dried), brassicae, carrot, grape, leek, lettuce (head and leafy), peas (fresh and dried), potato, rapeseed, strawberry, sugarbeet	Pome fruit (4), stone fruit (5), grapes (16), strawberries (16), potatoes (18), carrots (15), celeriac (8), onions (19), tomatoes (16), peppers (8), cauliflower (12), brussels sprouts (12), head cabbage (13), curly cale/chinese cabbage (8), head lettuce (21), spinach (8), green beans (15), green peas (23), leek (15), sugar beet roots (18), sugar beet tops (16), dry beans (21), dry peas (22), oilseed rape (12), sunflower (19), soybean (13), rice grain (11) rice straw (8), maize grain (7), maize silage (10), maize straw (10), food of animal origin (liver, kidney, meat, fat, milk, eggs) (2)
	dichlorvos (025) - [AMVAC Chemical UK]	cattle (fat, meat, meat byproducts), egg, goat (fat, meat, meat byproducts), horse (fat, meat, meat byproducts), milk, mushroom, poultry (fat, meat, meat byproducts), raw agricultural commodities, nonperishable, bulk stored regardless of fat content, postharvest, raw agricultural commodities nonperishable, packaged or bagged, containing 6 percent fat or less, postharvest, raw agricultural commodities, nonperishable, packaged or bagged, containing more than 6 percent fat, postharvest, sheep (fat, meat, meat byproducts), tomato	Await further advice
diquat (031) [Syngenta]	diquat (031)) [Syngenta]	Cereals (including barley, wheat, maize, oats, rice, sorghum), Oilseeds (including linseed, oilseed rape, soya bean, sunflower, cotton, poppy), Legume vegetable group (including peas, beans, lentils), Head brassica group (including cabbage), Flowering brassica group, Leafy brassica group, Fruiting vegetable group (including tomato, pepper), Root and tuber group (including carrot, radish, beetroot, sugarbeet, potato), Stem vegetable group (including asparagus, celery, leek), Cucurbits (edible and inedible peel), Bulb vegetables (including onion), Citrus fruit, Lettuce group, spinach, canary, lupine, mustard, apple, banana, chicory witloof, coffee, sweet corn, grape, herbs (including parsley and sage), hop, kohlrabi, lucerne, olive, peach, strawberry, clover, grass, alfalfa, sugarcane.	Oil seeds (17 Oilseed rape, 13 soya bean, 14 sunflower), Legume vegetable group (21 peas, 11 beans, 42 pulses), Fruiting vegetable group (including 6 tomato), Root and tuber group (including 12 carrot, 34 potato + 2 potato processing studies), 4 apple, 8 banana, 12 coffee, 6 strawberry.
	dithianon (028) [BASF]	pome fruit, cherry, grapes, hops, mandarin	Await further advice
fenpropathrin (185) [Sumitomo Chemical] - USA	fenpropathrin (185)	cattle meat, cattle milk, cattle edible offal, cotton seed, cotton seed oil, eggplant, eggs, gherkin, grapes, chilli pepper, sweet pepper, pome fruits, poultry meat, poultry edible offal, tea, tomato, Cherries, Stone fruit (Peach, Apricots, Nectarine, Plums), Strawberries, Bushberries, Caneberries, Tree nuts including pistachio, Olive, Citrus (Oranges, Grapefruit, Lemons) Sweet cherry (USA)	Cotton seed (33), Cucumber (8), Squash (7), Grapes (20), Peppers (10), Apples (26), Tea (3), Tomato (8), Cherries (6), Peach (10), Plums (6), Strawberries (10), Caneberries (7), TreeNuts (10), Olives (3), Oranges (18), Grapefruit (7), Lemons(6)
fenvalerate (119) [Sumitomo Chemical]	fenvalerate (119)	No longer supported by the manufacturer awaiting advice on commodities	support from USA

glufosinate-ammonium (175) [Bayer CropScience]	glufosinate-ammonium (175)	citrus fruits, tree nuts, almonds hulls, pome fruits, stone fruits, berries and other small fruits (except currants), currants (black, red, white), banana, assorted tropical and sub-tropical fruits - inedible peel, potato, carrot, bulb onion, corn salad, common bean (pods and/or immature seeds), asparagus, broad bean (dry), common bean (dry), peas (dry), rape seed and crude rape seed oil, crude, soya bean (dry), sunflower seed and crude sunflower seed oil, maize grain, maize fodder, sugar beet, tea, palm oil, meat (from mammals other than marine mammals), poultry meat, edible offal (mammalian), edible offal of poultry, eggs, milks.	citrus fruits (46), tree nuts (39), almonds hulls, pome fruits (44), stone fruits (69), berries and other small fruits (except currants) (62), currants (black, red, white) (12), banana (34), assorted tropical and sub-tropical fruits - inedible peel (34), potato (62), carrot (17), bulb onion (20), corn salad (4), head lettuce (38), common bean (pods and/or immature seeds) (16), asparagus (6), broad bean (dry) (7), common bean (dry) (16), peas (dry), olive (8) rape seed and crude rape seed oil, crude (35), soya bean (dry) (67), sunflower seed and crude sunflower seed oil (9), cotton (16), maize grain (58), maize fodder, rice (35), sugar beet (42), coffee (7), palm oil, meat (from mammals other than marine mammals), poultry meat, edible offal (mammalian), edible offal of poultry, eggs, milks.
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2013 JMPR NEW COMPOUND EVALUATIONS				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
bixafen [Bayer CropScience] Germany	bixafen	Registered MRLs > LOQ	Cereal grains, rape seed, rape seed oil; meat from mammals and poultry, milk and eggs	Cereals (48), oilseed rape (22)
cyantraniliprole [Dupont] - USA PRIORITY 1	cyantraniliprole	Not registered	pome fruit, stone fruit, brassica vegetables, cucurbit vegetables, fruiting vegetables, leafy vegetables, bulb vegetables, green/long beans, grape, potato, sweet potato, rice, cotton, canola, citrus, tree nuts	pome fruit (59+), stone fruit (51+), brassica vegetables (50+), cucurbit vegetables (146+), fruiting vegetables (192+), leafy vegetables (80+), bulb vegetables (85), green/long beans (18), grape (33), potato (46), rice (9), cotton (22+), canola (29), citrus (52), tree nuts (12)
fenamidone [Bayer CropScience] Germany	fenamidone	Registered MRLs > LOQ	Broccoli, Brussels sprouts, Carrots, Chinese cabbage, Cauliflower, Courgettes (Summer squash), Cucumber, Eggplant, Gherkin, Grapes (Table and wine), Head cabbage, Kale, Leek, Lettuce (Head and leafy), Melon, Onion, Pepper (Bell and sweet), Potato, Pumpkin (Winter squash), Spinach, Strawberries, Sunflower seeds, Tomato, Watermelon	Fruiting vegetables (75), Leafy vegetables (30), Bulb vegetables (12), Brassica vegetables (20), Potato and tuberous vegetables (34), Root vegetables (13), Berries and small fruit (34), Oilseeds (23)
isoxaflutole [Bayer CropScience] Germany	isoxaflutole	Registered MRLs mostly at LOQ	Maize, maize fodder and forage, soybean (dry), soybean oil, sugarcane, meat from mammals and poultry, milk and eggs	Maize (61), Soybean (31)
mesotrione - [Syngenta] - USA	mesotrione	Registered MRLs some at LOQ	Asparagus, berries, Corn (grain, pop, sweet), Cranberry, Millet, Lingonberry, Oat (grain), Rhubarb, Sorghum (grain), Soybean, Sugarcane, Okra	Asparagus (8), Berries (10), Sweet Corn (12), Field Corn (20), Cranberry (5), Millet (5), Oats (16), Okra (5) Rhubarb (4), Grain Sorghum (12), Soybean (20), Sugarcane (8)
pymetrozine - [Syngenta] - USA	pymetrozine	Registered MRLs > LOQ	Hops; vegetables (tuberous and corm); asparagus; vegetable (leafy, except <i>Brassica</i>); <i>Brassica</i> (head and Stem); <i>Brassica</i> (leafy greens); fruiting vegetables; cucurbit vegetables; cottonseed; pecans	Cucurbits Vegetables Group (19), Fruiting Vegetables Group, Including Processed Tomato Fraction (17), Crop Group 9: Cucurbit Vegetables (3), Crop Group 8: Fruiting Vegetables, Including Processed Tomato Fractions (22), Crop Subgroup 1C: Tuberous and Corm Vegetables (16), Cotton (14), Crop 5: Brassica (Cole) Leafy Vegetables (17), Magnitude of the Residues in or on Crop 4: Leafy Vegetables (24), Magnitude of the Residues in or on Hops (3), Crop Subgroup 1C: Tuberous and Corm Vegetables (16), Crop Group 8: Fruiting Vegetables (21), Pecans (5), Cotton (2), Crop Group 9: Cucurbit Vegetables (19, Asparagus (8), Potato as the Representative Commodity of Crop Subgroup 1C: Tuberous and Corm Vegetables (16)
tolfenpyrad [Nihon Nohyaku] Japan	tolfenpyrad	Registered in Japan, the Dominican Republic, Thailand, Taiwan, UAE, Indonesia, Saudi Arabia, China, Malaysia and Jordan	Almonds, pecans, grape (table), raisin, juice (if MRL not included under table grape), plum, peach, cherry, pear, lemon, grapefruits, oranges, cantaloupe, cucumbers, summer squash, peppers, tomatoes, cauliflower, potatoes, cotton seed, tea and corresponding animal commodity MRLs.	almond (5), pecan (5), grape (12), cherries (6), peach (9), plum (6), prune (2), pear (6), orange (12), grapefruit (6), lemon(5), cucumber (6), cantaloupe (6), squash (5), tomato (12), pepper (bell+chili) (6+3), cauliflower (6), potato (16), cottonseed (12), tea (4)

triflumizole [Nippon Soda] USA	triflumizole	Registered MRLs > LOQ	Pome fruits, stone fruits, grape, star apple, American persimmon, mangoes, papaya, pineapple, strawberries, cucurbits, squash, melons, leafy brassica, head and stem brassica, kohlrabi, lettuce, cress, land cress, spinach, purslane, beet leaves, chervil parsley, hazelnuts, hops and animal commodities	Pome fruits (38, P5), stone fruits, grape (25, P14), papaya (4), pineapple (3), strawberries (8), cucumber (5), squash (5), melons (6), cabbage (9), mustard green (10), swiss chard (3), lettuce (17), broccoli (10), hops (3) and animal commodities (feeding goat, poultry) P = processing data
trinexapac – [Syngenta] - USA	trinexapac	Registered MRLs > LOQ	Wheat, Barley, Oats, Sugarcane	Wheat (20), Barley (12), grasses grown for seed (12), Sugarcane (8)
SYN545192 [Syngenta] - Switzerland	SYN545192	Not registered	Wheat, barley, soybean, corn, coffee, pome fruit, grape, sugarcane	Wheat (44-46), barley (44-46), soybean (28), corn (28), coffee (12), pome fruit (16), grape (16) and sugarcane (12).

2013 JMPR FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	azoxystrobin [Syngenta] USA (229)	Potato (USA)	Potato (5), coffee (7)
	cyprodinil – [Syngenta] _ USA	Apple, Pear, Pistachio, Almond, Pecan	Apple and Pear (18), Pistachio (3), Almond and Pecan (10)
	Difenoconazole (224) [Syngenta] – USA,	Grape, raisin, citrus, <i>Brassica</i> (broccoli, Brussels sprouts, cabbage, etc.), bulb vegetables, fruiting vegetables (pepper), cucurbits, potato]	Cantaloupe, Cucumber and Summer Squash as Representative Commodities of Vegetable, Cucurbit, Group 9 (17), Tomato and Pepper as Representative Commodities of Vegetable, Fruiting, Group 8 (20), Onions, Green and Dry Bulb, as Representative Commodities of Vegetable, Bulb, Group 3 (11), Broccoli, Cabbage, and Mustard Greens, as Representative Commodities of Brassica (Cole) Leafy Vegetables, Subgroups 5A and 5B (17), Fruit, Citrus, Group 10 (23), Grapes (12), Potato (5)
	<u>fenbuconazole (197) [Dow AgroSciences]</u>	<u>blueberries; new GAP for citrus fruits</u>	<u>Blueberries (8); citrus fruits (30)</u>
	fenpyroximate – [Nihon Nohyaku] - USA	Avocado, bean (snap), cucumber, potato, stone fruit (cherry, peach, plum), tea strawberry	Avocado (5), Bean, snap (8), Cucumber (9), Potato (16), Cherry (8), Peach (10), Plum (6), Strawberry (8)
	fludioxonil [Syngenta] - USA	Tomato, Potato, Mango, Pineapple	Tomato (6, Potato (5), Mango (8), Pineapple (4)
	flutolanil (205) [Nihon Nohyaku]	leafy brassica, root vegetables, ginseng	Await further advice

	<p>chlorantraniliprole [Dupont] - USA</p>	<p>Artichoke, globe Berries and other Small Fruits: blueberries, bearberries, bilberries, blackberries, boysenberries, cloudberries, cranberries, currants, dewberries, elderberries, gooseberries, grapes, huckleberries, juneberries, loganberries, mulberries, raspberries, rose hips, service berries and strawberries Citrus: calamondin, citrus citron, citrus hybrids (includes chironja, tangelo, tangor), grapefruit, kumquat, lemon, lime, mandarin (tangerine), sour orange, sweet orange, pummelo, and Satsuma mandarin Coffee Fruiting vegetables (other than cucurbits, except mushrooms and sweet corn) Hops Legume vegetables - bean (<i>Phaseolus</i> spp.; podded and shelled); broad bean (<i>Vicia faba</i> spp; podded and shelled), bean (<i>Vigna</i> spp.; podded and shelled); jackbean; pea (<i>Pisum</i> spp.; podded and shelled); pigeon pea; soybean (immature seed); sword bean Oilseeds - borage, castor oil plant, Chinese tallowtree, cottonseed, crambe, cuphea, echium, euphorbia, evening primrose, flax seed, Gold of Pleasure, hare's-ear mustard, jojoba, lesquerella, lunaria, meadow foam, milkweed, mustard seed, Niger seed, oil radish, poppy seed, rapeseed (including canola), rose hip, safflower, sesame, stokes aster, sunflower, sweet rocket, tallowwood, tea oil plant, vernonia Rice Root and tuber vegetables – Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; beet, garden; beet, sugar; burdock, edible; canna, edible; carrot; cassava, bitter and sweet; celeriac; chayote (root); chervil, turnip-rooted; chicory; chufa; dasheen (taro); ginger; ginseng; horseradish; leren; parsley, turnip-rooted; parsnip; potato; radish; radish, oriental (daikon); rutabaga; salsify (oyster plant); salsify, black; salsify, Spanish; skirret; sweet potato; tanier (cocoyam); turmeric; turnip; yam bean (jicama, manioc pea); yam, true Soybean, dried</p>	<p>Artichokes (4), Blueberry (11), Carrots (18), coffee (8), Cranberry (6), Canola (6) and Sunflowers (6), succulent peas - Shelled (6); edible-podded (7), snap beans (9), green peas, processing peas, sugar snap peas, snow peas and beans (7), radishes (6), rice (27), dried soybean (16), Strawberries (8+8 [different GAP]), hops (4), Green onion (5), Welsh onion (2), Scallion (1)</p> <p>May be removed, assuming the JMPR recommendation is approved by CCPR: citrus commodities (8), citrus and citrus juice processed from citrus fruit (2) Fruiting and Leafy Vegetables (20)</p>
	<p>malathion [Cheminova] - USA</p>	<p>Cherry</p>	<p>6 trials with sweet cherries (3 57% EC and 3 ULV) and 6 trials with tart cherries (3 57% EC and 3 ULV)</p>
	<p>mandipropamid [Syngenta] - USA</p>	<p>hops</p>	<p>Hops (11)</p>
	<p>propiconazole [Syngenta] - USA</p>	<p>Oranges, grapefruit, lemon, peaches, nectarines, plum, tomato, cherry, strawberry, tree nuts</p>	<p>Cherry (all stone fruits to get group tolerance) (6), Strawberry (8), Tree nuts (almond) (5), Pecan (8), Cherry (postharvest) (3), Tomato (postharvest) (6), Citrus (postharvest) (12), Stone fruit (postharvest) (9)</p>
	<p>spirotetramate [Bayer CropScience] – USA</p>	<p>Cranberry</p>	<p>Cranberry (6)</p>

2013 JMPR PERIODIC RE-EVALUATION			
TOXICOLOGY	RESIDUE	Commodities	comments
	aldicarb (117) [Bayer CropScience]	No longer supported by the manufacturer	No longer supported by the manufacturer
amitraz (122) – [Arysta Lifesciences]	amitraz (122)	awaiting advice on commodities	Await further advice
dichlofluanid (82) – [Bayer CropScience]	dichlofluanid (82)		not supported by manufacturer
dinocap (87) – [Dow AgroSciences]	dinocap (87)	not supported by manufacturer	not supported by manufacturer
disulfoton (74) – [Bayer CropScience]	disulfoton (74)	awaiting advice on commodities	support from USA
fenbutatin oxide (109) [BASF] Defer re-evaluation by 1 year if possible since supporting residue trials are in progress	fenbutatin oxide (109)	Tree nuts, pome fruit, banana, cherry, citrus fruit, cucumber, grapes, raisins, stone fruit, strawberry, tomato, meat, milk, eggs	apple (8), citrus (16), strawberry (8)
metalaxyl (138) Quimicas del Vallés - SCC GmbH	metalaxyl (138)	Review in 2004 for residues was for evaluation of metalaxyl-M, Support from Quimicas del Vallés - SCC GmbH , USA - Supervised trials by Thailand	NOTE – new supporting manufacturer That Thailand has agreed to provide field trials.
methidathion (51) [Syngenta]	methidathion (51)		not supported by manufacturer
triforine (116) [Sumitomo Corp]	triforine (116)	Apple, Blueberries, Brussels sprouts, Cereal grains, Cherries, Common bean, Currants(Black,Rd, White), Fruiting vegetables, Cucurbits, Gooseberry, Peach, Plums(including prunes), Strawberry, Tomato	Await further advice

2014 JMPR - NEW COMPOUND EVALUATIONS				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
dichlobenil – [Chemtura] USA	dichlobenil	Registered MRLs > LOQ	Cranberry, blackberry, blueberry, raspberry, grapes, cherry, pome fruit, hazelnut, and rhubarb	Apple (5), Blueberry (2), Blackberry (3), Cherry (12), Cranberry (4), Filberts (3), Grapes (12), Peach (4), Plum (3)
metrafenone [BASF] USA	metrafenone	Registered MRLs > LOQ	Grape (table, wine, raisin), Pome fruits (apple, pears), Cherries, Fruiting vegetables (tomatoes, peppers, eggplant), Cucurbits (cucumber, squash, melon), Cereals (wheat, barley, oats, rye, triticale), Hops	Grapes (table and wine) (24 US) (14 EU), Raisins (dried grapes), (1 US), Pome fruits (apples, pears) (18), Cherries (16), Fruiting vegetables (tomatoes, peppers, eggplant) (28), Cucurbits (cucumber, squash, cantaloupe) (32), Cereals (wheat, barley, oats rye, triticale) (67), Hops (6 EU) (5 US)
norfluazuron – [Syngenta] -USA	norfluazuron	Registered MRLs > LOQ	almond, apple, apricot, asparagus, avocado, blackberry, blueberry, cranberry, cherry (sweet and tart), citrus fruits group, cottonseed, grape, hazelnut, hops, nectarine, peach, peanut, pear, pecan, plums and prunes, raspberry, soybean, and walnut.	Almond: 7; Apple: 8; Apricot: 2; Asparagus: 6; Avocado: 3; Blackberry: 1; Blueberry: 6; Cranberry: 5; Cherry: 3; Citrus Fruits: 8; Cottonseed: 10; Filberts: 3; Grapes: 14; Nectarine: 2; Peach: 4; Peanut: 10; Pear: 4; Pecans: 4; Plums: 6; Raspberry: 6; Soybeans: 22; Walnuts: 2

2014 JMPR - FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	phosmet [Gowan] - USA	cranberry, tart cherry	cranberry (5), tart cherry (15) - tart cherry- 5 pre-GLP trials (2 US, 3 Canada), 6 GLP (Italy), 4 GLP (France)

2014 JMPR - PERIODIC RE-EVALUATION			
TOXICOLOGY	RESIDUE	Commodities	Comments
	aziphos-methyl (002) [Makhteshim – Agan]	awaiting advice on commodities	support unknown
bromide ion (47)	bromide ion (47)		no CropLife manufacturer responsible - support unknown
bromopropylate (70) [Syngenta]	bromopropylate (70)	awaiting advice on commodities]	support unknown
myclobutanil (181) [Dow AgroSciences]	myclobutanil (181)	pome fruits, stone fruits, black currant, grapes, strawberry, banana, hops, tomato <u>Pesticide Initiative Project – beans with pods</u>	<u>Information on number of available trials is under development.</u>

penconazole (182) [Syngenta]	penconazole (182)	Brassica Vegetables (Broccoli, Brussels sprouts, Cauliflower, Chinese cabbage), Pome Fruit, Fruiting Vegetables (Tomato, Pepper, Aubergine), Root and Tuber Vegetables (Carrot, Parsnip, Turnip), Cucurbit vegetables (Cucumber, Melon, Watermelon, Pumpkin, Zucchini), Berries (Blackberry, Blueberry, Blackcurrant, Gooseberry, Raspberry, Cranberry), Stone Fruit (Apricot, Cherry, Peach, Plum), Legume Vegetables (peas, beans), Nuts (Almond, Pecan, Cashew, Jujube, Pistachio, Hazelnut, Pine nut, Macadamia, Chestnut), Soya, Strawberry, Loganberry, Sugarbeet, Tobacco, Potato, Clementine, grapefruit, Nectarine, Cumquat, Mango, Gherkin, Loquat, Asparagus, Leek, Banana, Lambs Lettuce, Rocket, Chicory, Canola, Parsley, Mint, Papaya, Alfalfa, Barley, Rice, Wheat, Sweet Corn, Hops, Lentil, Persimmon, Avocado, Artichoke, Grapes, Onion, Fennel	
tecnazene (115)	tecnazene (115)		no Croplife manufacturer listed - support unknown

2015 JMPR - NEW COMPOUND EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2015 JMPR - FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2015 JMPR - PERIODIC RE-EVALUATION			
TOXICOLOGY	RESIDUE	Commodities	Comments
abamectin (177) [Syngenta]	abamectin (177)	Pome fruits, cucurbits (edible and inedible peel), grapes, citrus fruits, stone fruits, strawberries, hops, leafy vegetables (lettuce, spinach, endive, celery), potato, almond, walnut, bean, coffee, cotton, Fruiting vegetables (tomato, aubergine, pepper, sweet pepper), avocado, papaya, mango, avocado, onion	
chlormequat (15) [BASF]	chlormequat (15)	Cereals, cottonseed, maize, rapeseed, maize fodder, cereals fodder/straw, meat, milk, eggs	
clethodim (187) [Sumitomo - Valent USA] USA	clethodim (187)	bean, broccoli, cabbage, carrot, cranberry, cucurbits, hops, lettuce, pea, strawberry, blueberry	Blueberry (9) – awaiting further advice

ethephon (106) [Bayer CropScience]	ethephon (106)	Apple, Barley, Barley straw and fodder, Blueberries, Cantaloupe, Cherries, Chili peppers (dry), Cotton seed, Dried grapes, Figs, Grapes, Hazelnuts, Peppers, Pineapple, Rye, Rye straw and fodder, Tomato, Walnuts, Wheat, Wheat straw and fodder, Chicken eggs, Edible offal of cattle, goats, horses, pigs & sheep, Meat of cattle, goats, horses, pigs & sheep, Milk of cattle, goats & sheep, Poultry meat, Poultry, edible offal.	
fenpropimorph (188) [BASF]	fenpropimorph (188)	banana, cereals, sugar beet, cereals fodder/straw, meat, milk, eggs	
hydrogen phosphide (46)	hydrogen phosphide (46)		no CropLife manufacturer responsible - support unknown
phosalone (60) [Cheminova]	phosalone (60)	awaiting advice on commodities	support unknown
teflubenzuron (190) [BASF]	teflubenzuron (190)	apple, orange, coffee, field corn, soybean, sugarcane, sunflower, tomato, melon, broccoli, cauliflower, grape, papaya	Apple (12), orange (16), coffee (9), field corn (6), soybean (5), sugarcane (5), sunflower (8), tomato (12), melon (8), broccoli (8), cauliflower (8), grape (12), papaya (4), mango (4), cucumber (8), gherkin (4), sweet pepper (4)

2016 JMPR - NEW COMPOUND EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2016 JMPR - FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2016 JMPR - PERIODIC RE-EVALUATION			
TOXICOLOGY	RESIDUE	Commodities	Comments
bioresmethrin (93) – [Sumitomo Chemical]	bioresmethrin (93)		not supported by manufacturer
diazinon (22) [Makhteshim – Agan] -	diazinon (22)	awaiting advice on commodities	
iprodione (111) (BASF)	iprodione (111)	tree nuts, cereals, beans, (dried), blackberry, broccoli, carrots, cheery, cucumber, grapes, kiwi, lettuce (head and leafy), onion, stone fruit, pome fruit, rapeseed, raspberry, sugar beet, sunflower, tomato, witloof.	
permethrin (120) [FMC]	permethrin (120)		not supported by manufacturer

tolclofos-methyl (191) [Sumitomo Chemical]	tolclofos-methyl (191)	awaiting advice on commodities	

2017 JMPR - NEW COMPOUND EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2017 JMPR - FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2017 JMPR - PERIODIC RE-EVALUATION			
TOXICOLOGY	RESIDUE	Commodities	Comments
fenarimol (192) [Gowan]	fenarimol	awaiting advice on commodities	
fenpyroximate (193) [Nihon Nohyaku]	fenpyroximate	awaiting advice on commodities	
fenthion (39) [Bayer CropScience]	fenthion	awaiting advice on commodities	
quintozene (64) [Crompton - AMVAC]	quintozene	awaiting advice on commodities	

2018 JMPR - NEW COMPOUND EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2018 JMPR - FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided

2018 JMPR - PERIODIC RE-EVALUATION			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
ferbam, ziram (105) [Taminco]	ferbam, ziram (105)	awaiting advice on commodities	
flumethrin (195) [Bayer CropScience]	flumethrin (195)	awaiting advice on commodities	

Appendix 2: Periodic Re-evaluations

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
007	captan	1963	1995T, 2004T(ARfD), 2000R			
008	carbaryl	1965	2001T(ADI, ARfD), 2002R			
017	chlorpyrifos	1972	1999T, 2000R			
020	2,4-D	1970	1996T, 2001T(ARfD), 1998R			
027	dimethoate	1965	1996T, 2003T(ARfD), 1998R			
030	diphenylamine	1969	1998T, 2001R			
032	endosulfan	1965	1998T, 2006R			
035	ethoxyquin	1969	2005T, 1999R			
037	fenitrothion	1969	2000T, 2007T(ADI, ARfD), 2003R			
041	folpet	1969	1995T, 2007T(ARfD), 1998R			
048	lindane	1965	2002T, 2003R			
049	malathion	1965	1997T, 2003T(ARfD), 1999R			
053	mevinphos	1965	1996T, 1997T(Environmental), 1997R			
056	2-phenylphenol	1969	1999			
057	paraquat	1970	2003T, 2004R			
059	parathion-methyl	1965	1995T, 2000R			
062	piperonyl butoxide	1965	1995T, 2001T(ARfD), 2001R			
063	pyrethrins	1965	2003T, 2000R			
065	thiabendazole	1970	1997T(JECFA), 2006T(ARfD), 1997R			
067	cyhexatin	1970	2005T, 2005R			
072	carbendazim	1973	1995T, 2005T(ARfD), 1998R			
079	amitrole	1974	1997T, 1998R			
081	chlorothalonil	1974	2009T, 2010R			
083	dicloran	1974	1998			
084	dodine	1974	2000T, 2003R			
085	fenamiphos	1974	1997T, 2002T(ARfD), 1999R			
086	pirimiphos-methyl	1974	1992T, 2006T(ARfD), 2003R			
090	chlorpyrifos-methyl	1975	2009			
094	methomyl	1975	2001			
095	acephate	1976	2005T, 2003R			
096	carbofuran	1976	1996T, 2008T(ARfD), 1997R			
100	methamidophos	1976	2002T, 2003R			
101	pirimicarb	1976	2004			
102	maleic hydrazide	1976	1996T, 1998R			
103	phosmet	1976	1994T, 2003T(ARfD), 1997R			
105	dithiocarbamates	1965	1996T, 1993R, 2004 propineb			Individual dithiocarbamates are evaluated, propineb in 2004, ferbam/ziram (1996)
105	propineb	1997	2004T			Dithiocarbamates
110	imazalil	1977	2000T, 2005T(ARfD)			
112	phorate	1977	2004T, 2005R			
113	propargite	1977	1999T, 2002R			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
118	cypermethrin	1979	2006T, 2008R			
126	oxamyl	1980	2002			
129	azocyclotin	1979	2005T, 2005R			
130	diflubenzuron	1981	2001T, 2002R			
132	methiocarb	1981	1998T, 1999R			
133	triadimefon / triadimenol	1979	2004T, 2007R			133 /168
135	deltamethrin	1980	2000T, 2002R			
142	prochloraz	1983	2001T, 2004R			
143	triazophos	1982	2002T, 2007R			
144	biterlanol	1983	1998T, 1999R			
145	carbosulfan	1984	2003T, 1997R			
146	cyhalothrin	1984	2004(JECFA)			
146	lambda-cyhalothrin		2007T, 2008R			
147	methoprene	1984	2001T 2005R			
148	propamocarb	1984	2005T, 2006R			
149	ethoprophos	1983	1999T, 2004R			
151	dimethipin	1985	1999T, 2004T(ARfD), 2001R			
155	benalaxyl	1986	2005T, 2009R			
156	clofentezine	1986	2005T, 2007R			
157	cyfluthrin	1986	2006T, 2007R			
158	glyphosate	1986	2004			
160	propiconazole	1987	2004T, 2007R			
162	tolylfluanid	1988	2002			
165	flusilazole	1989	2007			
166	oxydemeton-methyl	1989	2002T, 1998R			
167	terbufos	1989	2003T			
169	cyromazine	1990	2006T, 2007R			
171	profenofos	1990	2007T, 2008R			
173	buprofezin	1991	2008			
174	cadusafos	1991	2009T, 2010R			
176	hexythiazox	1991	2008T, 2009R			
178	bifenthrin	1992	2009T, 2010R			
194	haloxyfop	1995	2006T, 2009R			
196	tebufenozide	1996	2003T(ARfD)			
197	fenbuconazole	1997	none			
199	kresoxim-methyl	1998	none			
200	pyriproxyfen	1999	none			
201	chlorpropham	2000	2005T(ADI, ARfD)			
202	fipronil	1997	2000T,			
203	spinosad	2001	none			
204	esfenvalerate	2002	none			
205	flutolanil	2002	none			
206	imidacloprid	2001	none			
207	cyprodinil	2003	none			
208	famoxadone	2003	none			
209	methoxyfenozide	2003	none			
210	pyraclostrobin	2003	none			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
211	fludioxonil	2004	none			
212	metalaxyl-M	2002	none			
213	trifloxystrobin	2004	none			
214	dimethenamid-P	2005	none			
215	fenhexamid	2005	none			
216	indoxacarb	2005	none			
217	novaluron	2005	none			
218	sulfuryl fluoride	2005	none			
219	bifenazate	2006	none			
220	aminopyralid	2007	none			
221	boscalid	2006	none			
222	quinoxifen	2006	none			
223	thiacloprid	2006	none			
224	difenoconazole	2007	none			
225	dimethomorph	2007	none			
226	pyrimethanil	2007	none			
227	zoxamide	2007	none			
229	azoxystrobin	2008	none			
230	chlorantraniliprole	2008	none			
231	mandipropamid	2008	none			
232	prothioconazole	2008	none			
233	spinetoram	2008	none			
234	spirotetramat	2008	none			
235	fluopicolide	2009	none			
236	metaflumizone	2009	none			
237	spirodiclofen	2009	none			
238	clothianidin	2010	none			
239	cyproconazole	2010	none			
240	dicamba	2010	none			
241	etoxazole	2010	none			
242	flubendiamide	2010	none			
243	fluopyram	2010	none			
244	meptyldinocap	2010	none			
245	thiamethoxam	2010	none			
999	acetamiprid	2011	none			
999	emamectin-benzoate	2011	none			
999	flutriafol	2011	none			
999	isopyrazam	2011	none			
999	penthiopyrad	2011	none			
999	propylene oxide	2011	none			
999	safllufenacil	2011	none			
999	sulfoxaflor	2011	none			
136	procymidone	1981	2007T		2009	Not supported by manufacturer
159	vinclozolin	1992	1995	2010	2010	support from USA
189	tebuconazole	1994	2010		2011	
026	dicofol	1968	1992	2011	2011	Not supported by manufacturer
184	etofenprox	1993	none	2011	2011	Mitsui Chemical Inc

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
179	cycloxydim	1992	2009T		2012	support from BASF
180	dithianon	1992	2010		2012	
025	dichlorvos	1965	1993	2011	2012	AMVAC
031	diquat	1970	1993T, 1994R	2012	2012	Syngenta
119	fenvalerate	1979	1986T	2012	2012	Sumitomo Chemical
172	bentazone	1991	1998T, 2004T(ARfD)	2012	2012	support from BASF
175	glufosinate-ammonium	1991	1999T	2012	2012	support from Bayer CropScience
185	fenpropathrin	1993	none	2012	2012	Sumitomo Chemical
117	aldicarb	1979	1992T, 1995T(ARfD), 1994R	2012	2013	Bayer CropScience
051	methidathion	1972	1997T, 1992	2013	2013	Not supported
074	disulfoton	1973	1996T(ARfD)	2013	2013	Bayer CropScience
082	dichlofluanid	1969	1983T	2013	2013	Not supported by manufacturer
087	dinocap	1969	1998T, 2000T(ARfD)	2013	2013	Not supported by manufacturer
109	fenbutatin oxide	1977	1992T, 1993R	2013	2013	support from BASF
116	triforine	1977	1997T	2013	2013	support from Sumitomo Co.
122	amitraz	1980	1998T	2013	2013	Arysta Lifesciences
138	metalaxyl	1982	2002T	2013	2013	Quimicas del Vallés - SCC GmbH
002	azinphos-methyl	1965	2007T		2014	Makhteshim
047	bromide ion	1968	1988T	2014	2014	support unknown
060	phosalone	1972	1997T, 2001T(ARfD), 1994R	2014	2014	support unknown
070	bromopropylate	1973	1993	2014	2014	support unknown
115	tecnazene	1974	1994T	2014	2014	support unknown
181	myclobutanil	1992	none	2014	2014	support from Dow AgroSciences
182	penconazole	1992	none	2014	2014	Syngenta
015	chlormequat	1970	1997T, 1999T(ARfD) 1994	2015	2015	support from BASF
046	hydrogen phosphide	1965	1966T	2015	2015	support unknown
106	ethephon	1977	1997T, 2002T(ARfD), 1994R	2015	2015	Bayer CropScience
177	abamectin	1992	1997T	2015	2015	Syngenta
187	clethodim	1994	1999T(ARfD)	2015	2015	support from USA
188	fenpropimorph	1994	2004T(ARfD)	2015	2015	support from BASF
190	teflubenzuron	1994	none	2015	2015	support unknown
022	diazinon	1965	2006T, 1993	2016	2016	Makhteshim-Agan
093	bioresmethrin	1975	1991T, none	2016	2016	not supported by manufacturer
111	iprodione	1977	1995T, 1994R	2016	2016	support from BASF
120	permethrin	1979	1999T	2016	2016	not supported by manufacturer
191	tolclofos-methyl	1994	none	2016	2016	Sumitomo Chemical
039	fenthion	1971	1995, 1997T(ARfD)	2017	2017	
064	quintozene	1969	1995	2017	2017	
192	fenarimol	1995	none	2017	2017	
193	fenpyroximate	1995	2007T(ARfD)	2017	2017	
105	ferbam	1965	1996T	2018	2018	Dithiocarbamates
105	ziram	1965	1996T	2018	2018	Dithiocarbamates
195	flumethrin	1996	none	2018	2018	

Appendix 3: Chemical-commodity combinations for which specific GAP is no longer supported

Code	Chemical	comment
49	malathion	Apple, citrus, grapes (EU GAP no longer supported by EU)
39	fenthion	Cherry, citrus fruits, olive oil (virgin), olives (EU GAP no longer supported by EU)

Appendix 4: Chemicals with extraneous MRLs and recent deletions (Source: CX/PR 07/39/3)

Code	Chemical	Last toxicological evaluation	Last residue evaluation		comment
33	endrin	1994 (PTDI)	1970	EMRL	
1	aldrin and dieldrin	1994(PTDI)	1977	EMRL	
12	chlordane	1994(PTDI)	1986	EMRL	
43	heptachlor	1994(PTDI)	1991	EMRL	
21	DDT	2000(PTDI)	2000	EMRL	
52	methyl bromide	1992	1968	PART A3	
114	guazatine	1997	1978	PART A3	
40	fentin	1991	1991	none	Not supported - Removed 2007