

# CODEX ALIMENTARIUS COMMISSION



Food and Agriculture  
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World Health  
Organization

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Agenda Item 11

CX/PR 12/44/14

December 2011

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

44<sup>th</sup> Session

Shanghai, P.R. China, 23 - 28 April 2012

### ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES

(Prepared by Australia)

Governments and interested international organizations wishing to submit comments are invited to do so in writing to: Ms. Duang Lifang, Institute for the Control of Agrochemicals, Ministry of Agriculture (ICAMA), P.R. China, Fax: +86-10-59194252, Email: [ccpr@agri.gov.cn](mailto:ccpr@agri.gov.cn) with copies to: Mr Ian Reichstein, Chair of the CCPR Electronic Working Group on Priorities, Director - National Residue Survey, Australian Government Department of Agriculture, Fisheries and Forestry, PO Box 858, Canberra ACT 2601, Fax: +61 (0) 2 6272 4023, Email [ian.reichstein@daff.gov.au](mailto:ian.reichstein@daff.gov.au) and to Secretariat, Codex Alimentarius Commission, Joint WHO/FAO Food Standards Programme, FAO, Viale delle Terme di Caracalla, 00153 Rome, Italy, by Email [codex@fao.org](mailto:codex@fao.org) or fax: +39-06-5705-4593 **by 1 March 2012**.

#### A. PRIORITY LISTS 2013-2016

1. The Draft Revised CCPR Priority Lists of Pesticides (New Compounds and Follow-up Evaluations) is shown at Appendix 1. The CCPR Priority Lists of Pesticides (Schedule of Periodic Re-evaluations 2012-2016) is shown at Appendix 2a and the Periodic Re-evaluation List is shown at Appendix 2b. Appendix 2b includes a draft 'concern form' and the criteria for the prioritisation of periodic re-evaluations. Information regarding the Schedules and Lists is provided below.

2. Members and observers are invited to comment on the Draft Revised Schedule and the associated issues noted for consideration (**in bold text**). Nominations and requested amendments received in the period August to December 2011 are highlighted in the Appendices for your convenience and are referred to as changes since the adoption of the CCPR43 Report.

#### B. NEW COMPOUNDS

3. The Priority List of Pesticides (New Compounds and Follow-up Evaluation Schedule) at Appendix 1 lists compounds for JMPR evaluation in 2013, 2014 and 2015. The following compounds have been added to the Priority List – New Compounds since the adoption of the CCPR43 Report.

##### 2013:

4. There have been no additions to the 2013 Schedule since adoption of the CCPR43 Report. The compounds mesotrione and pymetrozine were moved to the 2014 Priority List at the request of the relevant member / observer.

##### 2014:

5. The following compounds were added to the 2014 Schedule since the adoption of the CCPR43 Report: aminocyclopyrachlor, fluzifop-p-butyl, mesotrione, imazamox and pymetrozine.

##### 2015:

6. The following compounds were added to the 2015 Schedule since the adoption of the CCPR43 Report: cyazofamid, fenazaquin, flonicamid and flupyradifurone.

#### C. FOLLOW-UP EVALUATIONS

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

**D. PERIODIC RE-EVALUATIONS (Supported and scheduled – Appendix 2a)**

8. Following consultation with members and Croplife International, the application of the criteria for the prioritisation of compounds for periodic re-evaluation has been reconsidered. In addition to the 15 year rule, scheduling will take into account other factors such as consumer health concerns. As a result and acknowledging the effort to prepare data packages suitable for JMPR evaluation, the Schedule of Periodic Re-evaluation 2012-2016 has been amended to list only those compounds for which data packages have already been assembled. The chronological order (years since last evaluation) applied in previous periodic review scheduling has been retained for those compounds (see Appendix 2a).

**E. PERIODIC RE-EVALUATIONS (Listed but not scheduled – Appendix 2b)**

9. The Periodic Re-evaluation List (compounds listed under the 15 year rule but not yet scheduled), Appendix 2b, is provided to allow members / observers to register support for the compounds listed or advise CCPR of public health concerns via the Draft Form for expressing concerns to the CCPR (Prioritisation of the Periodic Re-evaluation Schedule) at Annex A. Although this form has not been endorsed by CCPR, its ad hoc use for the time being, provides a mechanism by which the EWG Priorities can make science-based recommendations to CCPR on the prioritisation and scheduling of compounds for periodic review.

10. **Members and observers are invited to make use of the ‘concern form’ to lodge concerns against compounds listed in Appendix 2b with due reference to the prioritisation criteria for periodic re-evaluations. The proposed Concern Form and the prioritisation criteria are provided at Annex A. The Concern Form should be accompanied with supporting science-based information.**

**Compounds - not supported**

11. The following compounds appearing on the List for which “no support” is indicated are: aldicarb [117], dichlofluanid [82], dinocap [87], methidathion [51], bromopropylate [70], bioresmethrin [93], permethrin [120], fenbutatin oxide [109] and fenarimol [192].

**Compounds – support unknown**

12. The following compounds appearing on the List for which support is unknown are: azinphos methyl [02], bromide ion [47], hydrogen phosphide [46], tecnazene [115], carbofuran [96], carbosulfan [145] and fenbuconazole [197].

**Compounds – supported but awaiting advice on commodities or field trials**

13. The following compounds appearing on the List await advice on supported commodities and number of residue trials: amitraz [122], disulfoton [74], diazinon [22], tolclofos-methyl [191], phosmet [103], fenpyroximate [193], fenthion [39], quintozone [64], ferbam/ziram [105] and flumethrin [195].

14. **Member countries and observers are asked to provide advice as soon as practicable on the compounds listed but not yet scheduled. This advice, to be forwarded to the Chair EWG Priorities and the JMPR Secretariats, should be accompanied by information on a supporting manufacturer and relevant data packages.**

**Other matters - dicofol**

15. The manufacturer advised that dicofol was no longer supported. However, India indicated in 2010 that a data package will be submitted and will include residue data supporting tea.

16. **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. Further advice is required as resolution of the dicofol status was not discussed at CCPR43.**

**F: JMPR WORKLOAD**

17: At CCPR43, the JMPR Secretariat indicated that the current capacity / capability limited its evaluation workload to eleven full evaluations and as many follow-up evaluations as was practicable and achievable. The Schedule of Periodic Evaluations lists 4 compounds for periodic review for the years 2012 to 2016. This allows seven new compounds to be evaluated each year.

18. However, the CCPR Priority Lists of Pesticides: New Compounds and Follow-up Evaluations lists ten (10) new compounds for full evaluation in 2013 and eleven (11) new compounds in 2014. There are 16 follow-up evaluations scheduled for 2013 and 5 in 2014.

19. Please note that several ‘new’ compounds are either not currently registered and/or are likely to have most MRLs set at the limit of quantification (LOQ). The current practice has been to accept the ‘new compound’ nomination but list with notes on registration status and LOQ MRLs. Although, in accordance with the current Codex Procedural Manual<sup>1</sup>, such compounds should not be considered for the priority list, CCPR may wish to consider assigning a lower priority and thus defer scheduling of those compounds in an effort to establish a manageable JMPR workload. Scheduled compounds which do not have a national registration in the year of JMPR ‘data call-in’ should be deferred until a national registration is notified.

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<sup>1</sup> Codex Procedural Manual - Criteria for the Prioritisation Process of Compounds for Evaluation by JMPR.

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

- note that the number of compounds, in the 2013 and 2014 'new compound' schedules, is well beyond the current capacity of the JMPR.
- note that the number of follow-up evaluations will very likely increase following discussions on the compounds in CCPR44 plenary.
- consider which new compounds in the 2013 schedule can be deferred to the 2014 schedule.
- note that a similar exercise will be required in 2012 for the 2014 new compound schedule.

#### APPENDICES

Appendix 1:	CCPR Priority Lists of Pesticides (new compounds and follow-up evaluations)
Appendix 2a:	Schedule of Periodic Re-evaluations – 2012-2016
Appendix 2b:	Periodic Re-evaluation List (compounds listed under 15 year rule but not yet scheduled)
Appendix 3:	Record of Periodic Re-evaluations
Appendix 4:	Chemical-commodity combinations for which specific GAP is no longer supported
Appendix 5:	Chemicals with extraneous MRLs and recent deletions (Source: CX/PR 11/43/3)
Appendix 6:	Periodic re-evaluation - chemicals no longer supported, or support unknown
Appendix 7:	Periodic re-evaluation – some commodities no longer supported

## APPENDIX 1: CCPR PRIORITY LISTS OF PESTICIDES (NEW COMPOUNDS AND FOLLOW-UP EVALUATIONS)

2012 JMPR NEW COMPOUND EVALUATIONS (CLOSED)				
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 (5), Broccoli (10), Cabbage (10), Mustard greens (7), Celery (9), Hops (5)
chlorfenapyr [BASF] – Brazil moved to 2012 on request	chlorfenapyr [BASF] - Brazil	Registered  MRLS > LOQ	papaya, peppers, tomato, garlic, eggplant, onion, melon, tea and potato  Egypt – orange (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)
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 offal (mammalian), milks, cranberry (USA), mustard greens, watercress, bulb onion, green onion	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), nectarine (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)  mustard greens (9 trials), peach (12 trials), watercress (3 trials), bulb onion (8 trials), and green onion (5 trials).

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	US, Argentina, France registration December 2011	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 (CLOSED)			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Bifenthrin	Barley (EU)	Await further advice
	buprofezin (173) [Nihon Nohyaku] USA	coffee (USA), tea (Japan), banana (USA)	Coffee (6), Tea (6), banana (8) - 5 US, 1 PR, 2 Canary Islands)
	captan (7) [Arysta] -	Pesticide Initiative Project - mango	<b>Await further advice</b>
	carbofuran (96) [FMC]	banana	<b>Await further advice</b>

	chlorpyrifos-methyl (090) [Dow AgroSciences]	Alternative GAP for cereal commodities (wheat, barley, oat, sorghum, wheat germ, wheat bran – unprocessed – excluding maize) Egypt - potato	<u>Cereal commodities (wheat, barley, oat, sorghum) (24)</u>
	Chlorothalonil [Syngenta]	Brazil (banana)	Banana trials ready
	cyfluthrin (157) - [Bayer CropScience]	soybean <b>NO LONGER SUPPORTED - cabbage and mustard greens, hops, sweet corn, peas/beans and lentils, spinach.</b>	Soybean (20 trials + 1 processing trial)
	cyromazine (169) [Syngenta]	Pesticide Initiative Project – beans with pods	(8 snap bean trials), lima beans (3), bean dry (9)
	<u>2,4-D (020)</u> [Dow AgroSciences]	<u>New GAP for soya bean</u>	<u>Soya bean (24)</u>
	dithiocarbamates - mancozeb (105) [Dow AgroSciences]	Pesticide Initiative Project – mango, okra, papaya  mandarin (ROK)	<u>Number of trials for mango, okra, and papaya being developed by COLEACP PIP.</u> <u>await advice</u>
	fenbuconazole (197) – ARfD – Dow AgroSciences		<b>Await further advice</b>
	fludioxonil (211) [Syngenta]	mango	Mango (8),
	fluopyram (243) [Bayer CropScience]	Banana, almonds, pecans, apples, pears, peanuts, strawberries, potato, carrots	Banana (14 trials), almonds and, pecans (20 trials), apples and pears (86 trials), peanuts (12 trials), strawberries (36 trials), potato (16 trials), carrots (24 trials)
	imidacloprid (206) [Bayer CropScience]	Pesticide Initiative Project – mango Artichoke, tropical fruit (avocado, papaya, black sapote, canistel, mamey sapote, mango, sapodilla, star apple, lychee, guava), peas (dry and succulent, lentil and garbanzo), persimmon, banana, celery (and rhubarb, Swiss chard) (USA)	artichoke (3 trials), tropical fruit (avocado 5, papaya 4, lychee 3, guava 4), peas (16 dry and succulent – pea fresh and dry shelled is covered by Codex MRLs; extrapolate lentil and garbanzo), persimmon (also an extrapolation), pomegranate (3 trials), pistachio (from almond), banana (5 trials), celery (and to cover rhubarb and Swiss chard, 6 trials)
	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, tropical fruit (guava, lychee, papaya), beans (edible-podded bean and pea, dry pea), citrus (orange, grapefruit, lemon), pomegranate, green onion, artichoke (USA)	Spinach (8); alfalfa forage (9); alfalfa fodder (9); citrus fruits (20) Number of trials for beans with pod being developed by COLEACP PIP. cantaloupe (7 trials); cucumber (8 trials); summer squash (6 trials) (USA) tropical fruit (guava -3 trials, lychee – 3 trials, papaya- 4 trials), beans (edible-podded bean- 8 trials, edible-podded pea- 3 trials, dry pea- 6 trials), citrus fruit (request to raise MRL to 10 ppm; orange– 7 trials, grapefruit– 4 trials, lemon– 3 trials), pomegranate (by extrapolation), onion (green- 5 trials), artichoke (3 trials)
	oxamyl (126) [DuPont] –	residue definitions, methods	<b>Await further advice</b>
	phorate (112) [AMVAC]	potato – awaiting confirmation	<b>Trails should be available as data call-in</b>

	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, blueberries; raspberries, red and black; onions, green	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)
	thiacloprid (223) [Bayer CropScience]	Pesticide Initiative Project – beans with pods, papaya	<b>Await further advice</b>
	thiamethoxam (245)	papaya	<b>Await further advice</b>
	trifloxystrobin (213) [Bayer CropScience]	Pesticide Initiative Project – beans with pods, mango, papaya, passionfruit Radish, papaya, asparagus (USA)	strawberry (21 residue trials), lettuce head (8 trials), Olive (12 trials) and aubergine (6 trials). radish (6 trials), papaya (4 trials), and asparagus (7 trials).

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)
cyantranilprole [DuPont] – USA PRIORITY 1	cyantranilprole	Not registered (expected in 2013)	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)
fluensulfone	fluensulfone	Not registered	Further advice required	
imazapic BASF Brazil priority 1 – moved from 2012	Imazapic	Registered  MRLs mostly at LOQ	Corn, peanut, rapeseed, rice, soybean, sugarcane, wheat, animal feedstuffs	Corn (6), grass (15), peanut (18), peanut hay (10), rapeseed (4), rice (8), soybean (15), sugarcane (8), wheat (6), wheat feedstuffs(14)
imazapyr BASF Brazil priority 1 – moved from 2012	Imazapyr	Registered  MRLs mostly at LOQ	Corn, lentils, cereals (wheat, corn, rice), oilseeds (rapeseed, soybean, sunflower), rice, sugarcane	Corn (27), lentils (5), rapeseed (23), rice (4), Soybean (22), sugarcane (2), sunflower (33), wheat (8)
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), sugarcane (25)
tofenpyrad [Nihon Nohyaku] Japan	Tofenpyrad	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)



Benzovindiflupyr (formally known as SYN545192) [Syngenta] - Switzerland	Benzovindiflupyr	Not registered Registration expected in 2012	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).
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2013 JMPR FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	azoxystrobin [Syngenta] USA (229)	Potato (USA), coffee, <a href="#">chickpea, lentil and dry pea</a>	Potato (5), coffee (7), <a href="#">Dry Pea (2), Dry Bean (5)</a>
	cyproconazole [Syngenta] (239)	Coffee (Brazil)	Coffee (10)
	<a href="#">cyprodinil (207)</a> [Syngenta] USA (moved from 2012)	<a href="#">Apple, Pear, Pistachio, Almond, Pecan</a> <a href="#">Spinach (+ lettuce to raise MRL?), Carrot, Radish, Chives, Parsley, Brassica leafy greens, Beans (Snap, Lima and Dry), Pepper (+ Fruiting Veg. Crop Group), Melons, Lemon, Lime, Basil, Avocado, Guava, Lychee, Pomegranate, Watercress, Caneberry, Strawberry, Blueberry, Kiwifruit</a>	<a href="#">Apple and Pear (18), Pistachio (3), Almond and Pecan (10)</a> <a href="#">Spinach (11) (+ lettuce to raise MRL?, 14 trials), Carrot (10) + Radish (6), chives (3), parsley (4), Brassica leafy greens (7 brassica + 7 broc + 6 cab + 9 mg), Beans (Snap(8), Lima (8) and Dry(9)), Pepper (14+5GH) (+ Fruiting Veg. Crop Group), melons (Company data?), lemon (5) + lime, caneberry (5), blueberry (8), strawberry (8), basil (3), avocado (6), guava (5), lychee (3), pomegranate (4), watercress (2), kiwifruit (3)</a>
	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)
	<a href="#">fenbuconazole (197)</a> [Dow <a href="#">AgroSciences]</a>	<a href="#">blueberries; new GAP for citrus fruits</a>	<a href="#">Blueberries (8); citrus fruits (30)</a>
	fenpyroximate (193) [Nihon Nohyaku] - USA	Avocado, bean (snap), cucumber, potato, stone fruit (cherry, peach, plum), tea strawberry <a href="#">watermelon</a>	Avocado (5), Bean, snap (8), Cucumber (9), Potato (16), Cherry (8), Peach (10), Plum (6), Strawberry (8) <a href="#">watermelon (bridge from residue data for cantaloupe[8])</a>

	fludioxonil (211) [Syngenta] - USA	Ginseng, Spinach (+ lettuce to raise MRL?), Carrot, Radish, Chives, Parsley, <i>Brassica</i> leafy greens, Beans (Snap, Lima and Dry), Pepper (+ Fruiting Veg. Crop Group), Melons, Lemon, Lime, Basil, Avocado, Guava, Lychee, Pomegranate, Watercress, Caneberry, Strawberry, Blueberry, Kiwifruit Tomato, Potato, Pineapple Chickpea, Lentil	Ginseng (4), Spinach (11) (+ lettuce to raise MRL?, 14 trials), Carrot (10) + Radish (6), chives (3), parsley (4), Brassica leafy greens (7 brassica + 7 broc + 6 cab + 9 mg), Beans (Snap(8), Lima (8) and Dry(9)), Pepper (14+5GH) (+ Fruiting Veg. Crop Group), melons (Company data?), lemon (5) + lime, caneberry (5), blueberry (8), strawberry (8), basil (3), avocado (6), guava (5), lychee (3), pomegranate (4), watercress (2), kiwifruit (3) Tomato (6, Potato (5), Pineapple (4) Chickpea (9), Lentils (5),
	flutolanil (205) [Nihon Nohyaku]	leafy brassica, root vegetables, ginseng	Broccoli (11), cabbage(9), mustard greens(10), Carrot (9), radish (5), ginseng(4)

	<p>chlorantraniliprole (230) [DuPont] - USA</p>	<p>Artichoke, globe</p> <p>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</p> <p>Citrus: calamondin, citrus citron, citrus hybrids (includes chironja, tangelo, tangor), grapefruit, kumquat, lemon, lime, mandarin (tangerine), sour orange, sweet orange, pummelo, and Satsuma mandarin</p> <p>Coffee</p> <p>Fruiting vegetables (other than cucurbits, except mushrooms and sweet corn)</p> <p>Hops</p> <p>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</p> <p>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</p> <p>Rice</p> <p>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</p> <p>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 (49) [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 (231) [Syngenta] - USA</p>	<p>hops</p>	<p>Hops (11)</p>

	picoxystrobin– [Dupont] - USA	Fruiting vegetables, cucurbits, stone fruit, pome fruit, grapes, legume vegetables, bulb vegetables, strawberry, brassica vegetables, leafy vegetables, root and tuber vegetables, sunflower, tree nut, peanut, rice, cotton and tomato.	Brassica (Broccoli, cauliflower, cabbage, mustard greens), 30; Bulb Vegetables (Green Onion, Dry Bulb Onion), 15; Coffee, 4; Cotton, 13; Cucurbits, 30 (Cucumbers: 12; muskmelons: 9; summer squash 9; Fruiting Vegetables, 44 (tomatoes: 24; bell peppers: 13; 7 non-bell peppers); Grape, 13; Leafy Vegetables, 44 trials (Leaf lettuce 10, Head lettuce: 11; Celery: 10; Spinach 9); Peanut, 13; Pome (apple, pear), 26 (Apple 17, Pear 9); Rice, 11; Root and Tuber Vegetables, 56 Trials (Potatoes: 21; sugarbeets: 13; radishes: 6; carrots: 10; turnips: 6); Stone Fruit (Cherries, peaches, plums), 30; Strawberry, 9; Succulent/edible podded legumes, 40 (8 edible podded bean, 4 edible podded pea, 17 succulent bean, and 11 succulent pea); Sugarcane, 4; Sunflower, 9; Tree Nuts, 12 (6 Almond; 6 Pecan)
	propiconazole (160) [Syngenta] - USA	Oranges, grapefruit, lemon, peaches, nectarines, plum, tomato, cherry, strawberry, <b>tree nuts not supported</b> Dry Bean, Lima bean, Snap bean, Mustard greens, Carrot, Radish, Mint, Pineapple, Watercress	Cherry (all stone fruits to get group tolerance) (6), Strawberry (8), Cherry (postharvest) (3), Tomato (postharvest) (6), Citrus (postharvest) (12), Stone fruit (postharvest) (9)  Dry Bean (12), Snap bean (7), Lima Bean (6), mustard greens (9), carrot (Co. Data?) + radish (7), turnip (6), mint (5), pineapple (3), watercress (3)
	Pyrimethanil (226) (priority 1) Janssen PMP - USA	Re-evaluation of CXLs for peaches, cherries, apricots, plums, apple, pear blueberry	Stone fruit (3), Pome fruit (5), blueberry (5)
	spirotetramate(234) [Bayer CropScience] – USA	Cranberry Artichoke, Banana, Blueberry, Coffee, Onion, Pomegranate, pineapple, watercress	Cranberry (6) Artichoke (5), Banana (7), Blueberry (11), Coffee (5), Onion (12), Pomegranate (4), pineapple (5), watercress (4)
	triazophos (143)	Rice (China)	

2014 JMPR – NEW COMPOUND EVALUATIONS				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Aminocyclopyrachlor [DuPont] - USA	Aminocyclopyrachlor	Not registered	Meat, milk and edible offal	22 (cattle) - magnitude of residue studies in pasture and rangeland grasses- 20 MOR test sites and 2 decline test sites (to determine residues in hay and forage)
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)
fenamidone [Bayer CropScience] Germany priority 1 – moved from 2013	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)
Fluazifop-p-butyl [Syngenta] - Switzerland	Fluazifop-p-butyl	Registered MRL>LOQ	Oil seed rape, Soybean, dry beans, cotton, Potato, Sweet potato, Sugar beets, Citrus fruits, Pome fruit, Stone fruit, Grapes, Tree nuts, Onion, Cabbage, Carrots, Vegetables, Bananas, Coffee bean, (Palm oil)	Soybean (20), Dry bean (12), Oil seed rape (12), cotton (6), Potato (16), Sweet potato (6), Carrots (12), Onion (12), Sugar beet (16), Sugar cane (4), Citrus fruit (16), Pome fruits (16), Stone fruit (16) Grape (16), Cabbage/brassica (12), Lettuce (6), Coffee (6), Tree nutspecan (12), Palm oil (4) Tomato (16), Asparagus (6), Banana (10), Cucumber/cucurbit (12)
flufenoxuron BASF Brazil priority 1 – moved from 2012	flufenoxuron	Registered MRLs > LOQ	Soybean, pome fruit (apple, pear), orange, melon, tomato, grape	Soybean (4 BR), pome-fruit (3), orange (1), melon, tomato (5), grape (14)
imazamox BASF Argentina	imazamox	registered	Legume group: peas and beans (fresh), beans and beans (pulses), lentils, soybean, peanuts, cereal group (rice, wheat, maize), Oilseed group (sunflower, oilseed rape), Alfalfa	29 OSR, 19 sunflower, 35 wheat, 26 maize, 5 rice, 18 beans, 23 peas, 5 lentils, 36 soybeans, 4 alfalfa, 7 peanuts, Alfalfa 19
mesotrione – [Syngenta] – USA moved from 2013	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)
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
pymetrozine – [Syngenta] – USA moved from 2013	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)
rotenone (R of Korea)	rotenone	registered	More advice required on relevant manufacturer and data package	

2014 JMPR - FOLLOW-UP EVALUATIONS			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Bifenthrin [FMC] (4 year rule)	Barley, barley (straw fodder), strawberry (alternative GAP)	
	Chlorothalonil [Syngenta] (4 year rule)	Banana, carrot, cherry, cranberry, bulb onion, peach, sweet and chilli pepper, tomato, common beans blueberry	Blueberry (6)
	Dimethomorph [BASF]	Bulb onions (including shallots, garlic, silverskin onions), Green onions, Leek, Head cabbage, Flowerhead brassica (broccoli), Whole group leafy vegetables (excluding brassica), Celery, Globe artichokes, Oranges, Strawberry, Grapes, Ginseng	Bulb onions (including shallots, garlic, silverskin onions), 10 (US), Green onions, 6 (US), Leek, 20 (EU), Head cabbage, 10 (US), Flowerhead brassica (broccoli), 10 (US) Whole group leafy vegetables (excluding brassica), 25 (head and leaf lettuce, spinach) (US), Celery, 9 (US), Globe artichokes, 10 (EU), Oranges, 8 (EU), Strawberry, 8 (EU), Grapes, 13 (US), Ginseng, 4 (US, IR-4)
	fluopyram (243) [Bayer CropScience]	Leek, Onions, Asparagus, Lettuce heads, Herbs, Cabbage, Bush berries, Rape seed, Sunflower and Hops	
	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)

## 2015 JMPR - NEW COMPOUND EVALUATIONS

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Cyazofamid [Ishihara Sangyo Kaisha] USA	cyazofamid	registered	Hops, Potato, tomato, grape, cucurbits, carrots, brassica vegetables, okra, spinach, other fruiting vegetables	U.S./Canada: Potato – 27, tomato – 35, Cucurbits – 11 (cucumber), 11 (muskmelon), 9 (summer squash), Grape – 3 (U.S.), 1 (Argentina), 10 (EU), 1 (Mexico), Pepper – 9 (bell and non-bell), Carrot – 14, Broccoli – 6, Cabbage – 9, Mustard greens – 9, Spinach – 10, Hops – 3
Fenazaquin [Gowan company] USA	fenazaquin	registered	Alfalfa, apples, apricots, berries, citrus, cotton, cucurbits (cucumbers, melons, zucchini, squash, pumpkin), eggplant, grapes, hops, nectarines, peaches, pears, peppers, pineapples, plums, prunes, strawberries, tea, tomatoes, tree nuts; zucchini.	Cucurbits (cucumbers – 6; cantaloupe – 6; zucchini squash – 5), Stone Fruit (sweet cherries – 3; sour cherries – 3; peach – 9; plum – 6), Fruiting Vegetable (tomato – 12; bell peppers – 6; chili peppers – 3), Strawberries – 8, Tree Nuts (pecan – 5; almond – 5), Berries (blueberry – 6; raspberry – 5), Hops – 3, Mint (spearmint – 1; peppermint – 4), Alfalfa – 4, Corn (Field, Sweet) – 24, Cotton – 12, Bean (edible podded legumes – 9; succulent shelled pea & bean – 11; dried shelled pea & bean – 14), Grape – 12, Avocado – 5, Citrus (orange – 12; lemon – 5; grapefruit – 6)
Flonicamid [Ishihara Sangyo Kaisha] USA	flonicamid	registered	cucurbit, vegetables, fruiting vegetables, leafy vegetables, pome fruit, potato, stone fruit, head/stem brassica, mustard greens, brassica leafy greens, root vegetables, radish tops, tuberous/ corm vegetables, hops, okra, cottonseed	U.S./Canada: Peach – 9, Cherry – 6, Plum – 6, Apple – 12, Pear – 6, Cucumber – 6, Cantaloupe – 6, Summer Squash – 5, Tomato – 12, Bell Pepper – 6, Non-Bell Pepper – 3, Broccoli – 6, Cabbage with wrapper leaves – 6, Cabbage without wrapper leaves – 6, Mustard Greens – 5, Head Lettuce with wrapper leaves – 6, Head Lettuce without wrapper leaves – 6, Leaf Lettuce – 6, Celery – 6, Spinach – 6, Potato Tubers – 17, Carrot Roots – 8, Carrot Roots – 2, Radish Roots – 5, Radish Tops – 5, Dried hop cones – 3
Flupyradifurone [Bayer CropScience] Germany	Flupyradifurone	Advice required	Citrus fruit, table and wine grapes and small berries, pome fruit, tree nuts, hops, fruiting and brassica vegetables, lettuce, potatoes, sugar beets, onions, cereals, coffee, soya and cotton.	Citrus fruit (54), table and wine grapes and small berries (78), pome fruit (39), tree nuts (10), hops (11), fruiting vegetable, cucurbits (89), fruiting vegetables, other than cucurbits (96), brassica vegetables (56), leafy vegetables including Brassica leafy vegetables (76), legume vegetables (52), root and tuber vegetables (43), onions (18), cereals (107), coffee (18), soya and cotton (44).

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

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

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



## Appendix 2a: Schedule of Periodic Re-evaluations – 2012-2016

- Note 1: Advice on the provision of full data packages at 1 August 2011 is recognised. Therefore, as an interim measure, those compounds for which information on residue trials has been provided / expected are scheduled in the order specified at CCPR43.
- Note 2: if at CCPR44, a full data package (including number of residue trials) is not indicated, the compound will be deferred in the schedule.
- Note 3: all compounds for which a full data package is not indicated at 1 August will be considered for prioritisation in accordance with revised approach, giving a higher priority to pesticides deemed to have public / consumer health concerns
- Note 4: NR denotes 'following evaluation, JMPR has deemed the establishment of an ARfD unnecessary'
- Note 5: N/A denotes 'not assessed – JMPR has not had the opportunity to consider, or determine the need for, an ARfD'

## 2012 PERIODIC RE-EVALUATION SCHEDULE (CLOSED)

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
bentazone (172) (BASF) (residues - 2013)				1998	0.01 1998	NR 2004
	cycloxydim (179) [BASF] -	Beans (green and dried), brassicae, carrot, grape, leek, lettuce (head and leafy), peas (fresh and dried), potato, rapeseed, strawberry, sugarbeet  (all existing commodity CXLs appear to be supported)	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)	1993	0.07 1992	NR 2009  2.0 women child bearing age
	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  (all existing commodity CXLs appear to be supported) (support for some new commodities)	Await further advice	1993	0.004 1993	N/A No guidance on what this means - assume NOT ASSESSED

fenvaterate (119)	fenvaterate (119)	No longer supported by the manufacturer - Sumitomo Chemical National reviews will be provided by USA, Thailand to provide residue trial data <b>awaiting advice on commodities</b>	<b>Await further advice</b>	1990	0.02 1986	N/A
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. <b>(all existing commodity CXLs appear to be supported)</b>	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.	1999	0.02 1999	NR 1999

**2013 PERIODIC RE-EVALUATION SCHEDULE (includes those compounds for which advice on full data packages has been provided)**

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
	bentazone (172) (BASF)	beans (green and dried), peas (green and dried), cereals, maize, sorghum, onion, peanuts, potato, linseed, meat, milk, eggs., soybean	Barley (26), dry beans (32), common bean (pods and/or immature seeds) (50), garden pea (young pods) (30), linseed (23), maize (74), maize fodder (74), oats (6), onion (bulb) (25), peanut(15), potato (61), rice (12), rye (4), sorghum (6), soya bean (20), wheat (44)	1998	0.01 1998	NR 2004
diquat (031) [Syngenta] priority 1 - moved on request March 2011	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.  <b>(does not appear to be support for existing commodity CXLs for alfalfa fodder, cereals, edible offal, meat mammalian, milk poultry)</b>	1994	0.002 1994	N/A

	dithianon (028) [BASF] priority 1 moved from 2012	pome fruit, cherry, grapes, hops, mandarin persimmon (ROK)	Citrus (6); Almond (4); Pome fruit (25; alternative GAP 16); Cherry (15; alt GAP 42); Peach/Nectarine/Apricot (6; alt GAP 24); Plum (6; alt GAP 9); Wine & Table Grape (37; alt GAP 17); Currants (6; alt GAP 6); Hops (14)	1992	0.01 1992	0.1 2010
fenpropathrin (185) [Sumitomo Chemical] – USA priority 1 – moved from 2012	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)  Blueberry, Peas (shelled and podded), cucumber, squash, avocado, tropical fruit, barley	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), Tree nuts (10), Olives (3), Oranges (18), Grapefruit (7), Lemons(6)  (appears to be support for new commodities such as strawberry, cucumber, citrus and tree nuts) (does not appear to be support for existing commodity CXLs for poultry, mammalian meat, milks) Blueberry (9), Peas (8), cucumber (8), squash (7), avocado (6), tropical fruit (9), barley (12)	1993	0.03 2006	N/A

2014 PERIODIC RE-EVALUATION SCHEDULE (includes those compounds for which advice on full data packages has been provided)

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
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	<b>NOTE – new supporting manufacturer That Thailand has agreed to provide field trials.</b>	2004	0.08 2004	NR 2004
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	<b>Await further advice</b>  (all existing commodity CXLs appear to be supported)	1997	0.02 1997	N/A
myclobutanil (181) [Dow AgroSciences]	myclobutanil (181)	pome fruits, stone fruits, black currant, grapes, strawberry, banana, hops, tomato Pesticide Initiative Project – beans with pods jujube (ROK) (manufacturer indicates support for animal product CXLs)	Total trials (616) – comprising apple (128), pear (14), apricot (18), cherry (36), peach (51), plums (51), black/red currants (12), grapes (125), strawberries (60), bananas (12), hops (25), tomato (63), beans (green) with pods (10), jujube (zero).	1992	0.03 1992	N/A

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 <b>(appears to be no support for animal product CXLs)</b>	Awaiting advice on the numbers of trials	1992	0.03 1992	N/A
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2015 PERIODIC RE-EVALUATION SCHEDULE (includes those compounds for which advice on full data packages has been provided)

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
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 <b>(appears to be no support for animal product CXLs)</b>	Awaiting advice on number of trials	1997	0.002 1997	N/A
chlormequat (15) [BASF]	chlormequat (15)	Cereals, cottonseed, maize, rapeseed, maize fodder, cereals fodder/straw, meat, milk, eggs	Cereals - 64 trials (16 trials each for wheat, barley, oats and rye), Grapes - 8 trials, Soybean - 8 trials, cottonseed - 4 trials, Potato - 4 trials, Onion - 4 trials, Meat/milk/eggs	1994	0.05 1997	0.05 1999
clethodim (187) [Sumitomo - Valent USA] USA	clethodim (187)	bean, broccoli, cabbage, carrot, cranberry, cucurbits, hops, lettuce, pea, strawberry, blueberry	Blueberry (9) – awaiting further advice	1994	0.01 1994	NR 2004

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. All CXLs supported	Awaiting advice on number of trials	1994	0.05 1997	0.05 2002
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2016 PERIODIC RE-EVALUATION SCHEDULE (includes those compounds for which advice on full data packages has been provided)

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
fenpropimorph (188) [BASF]	fenpropimorph (188)	banana, cereals, sugar beet, cereals fodder/straw, meat, milk, eggs All CXLs supported	Cereals (56 trials); Banana (23); Sugar beet (8)	1993	0.03 2006	N/A
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.  (All CXLs appear to be supported)	Working out details with BCS	1994	0.06 1995	N/A
teflubenzuron (190) [BASF]	teflubenzuron (190)	apple, orange, coffee, field corn, soybean, sugarcane, sunflower, tomato, melon, broccoli, cauliflower, grape, papaya  (no support for plum, potato, cabbage and brussel sprout CXLs)	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)	1996	0.01 1994	N/A

## Appendix 2b: Periodic Re-Evaluation List (Compounds listed under 15 Year Rule but not yet scheduled)

Note 6: Compounds listed in this table meet Criterion 1 but do not meet Criterion 2 (advice on support and/or full data packages has been not provided)

Therefore, decisions on prioritization will be based on 'public health concerns' and other criteria found on page 25-26.

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
	aldicarb (117) [Bayer CropScience]	No longer supported by the manufacturer	No longer supported by the manufacturer Confirmation of support is required	1995	0.003 1992	0.003 1995
amitraz (122) – [Arysta Lifesciences]	amitraz (122)	awaiting advice on commodities	Await further advice	1998	0.01 1998	0.01 1998
dichlofluanid (82) – [Bayer CropScience]	dichlofluanid (82)		not supported by manufacturer Confirmation of support is required	1983	0.3 1983	N/A
dinocap (87)	dinocap (87)	not supported by manufacturer [Dow AgroSciences]	not supported by manufacturer Confirmation of support is required	1998	0.008 1998	0.008 WCBA 0.03 general
fenbutatin oxide (109) [BASF] Defer re-evaluation by 1 year if possible since supporting residue trials are in progress	fenbutatin oxide (109)	<del>Tree nuts, pome fruit, banana, cherry, citrus fruit, cucumber, grapes, raisins, stone fruit, strawberry, tomato, meat, milk, eggs</del>  BASF has decided to no longer support Fenbutatin Oxide	<del>apple (8), citrus (16), strawberry (8)</del>  BASF has decided to no longer support Fenbutatin Oxide	1992	1992 0.03	N/A
disulfoton (74) – [Bayer CropScience]	disulfoton (74)	awaiting advice on commodities	support from USA Confirmation of support is required	1996	0.0003 2006	0.003 2006
methidathion (51) [Syngenta]	methidathion (51)		not supported by manufacturer Confirmation of support is required	1992	0.001 1997	0.01 1997
	azinphos-methyl (002) [Makhteshim – Agan]	awaiting advice on commodities		2007	0.03 2007	0.1 2007
bromide ion (47)	bromide ion (47)		no Croplife manufacturer responsible - support unknown	1998	1.0 1998	N/A
bromopropylate (70) [Syngenta]	bromopropylate (70)	No support No known registered uses	No support No known registered uses	1993	0.03 1993	N/A
tecnazene (115)	tecnazene (115)		no Croplife manufacturer listed - support unknown	1994	0.02 1994	N/A
hydrogen phosphide (46)	hydrogen phosphide (46)	no Croplife manufacturer responsible -	support unknown	1971	NR	N/A

phosalone (60) [Cheminova]	phosalone (60)	awaiting advice on commodities		1997	0.02 1997	0.3 2001
bioresmethrin (93) –	bioresmethrin (93)	not supported by manufacturer	not supported by manufacturer (previously Sumitomo Chemical)	1991	0.03 1991	N/A
diazinon (22) [Makhteshim – Agan] -	diazinon (22)	awaiting advice on commodities		1996	0.005 2006	0.03 2006
permethrin (120) [FMC]	permethrin (120)	not supported by manufacturer	not supported by manufacturer	1987	0.05 1999	NR 1999
tolclofos-methyl (191) [Sumitomo Chemical]	tolclofos-methyl (191)	awaiting advice on commodities ginseng (ROK)	Await advice	1994	0.07 1994	N/A
fenarimol (192) [Gowan]	fenarimol	not supported by manufacturer	not supported by manufacturer	1995	0.01 1995	N/A
fenpyroximate (193) [Nihon Nohyaku]	fenpyroximate	awaiting advice on commodities		1995	0.01 1995	0.02 2007
fenthion (39) [Bayer CropScience]	fenthion	awaiting advice on commodities		1995	0.007 1995	0.01 1997
quintozene (64) [Crompton – AMVAC]	quintozene	awaiting advice on commodities		1995	0.01 1995	N/A
ferbam, ziram (105) [Taminco]	ferbam, ziram (105)	awaiting advice on commodities		1995	1.0 1995	N/A
flumethrin (195) [Bayer CropScience]	flumethrin (195)	awaiting advice on commodities		1996	0.004 1996	N/A
carbofuran	carbofuran	Support unknown		1997	0.001 1996	0.001 2009
Phosmet [Gowan] USA	phosmet	awaiting advice on commodities		1997	0.01 (1998)	0.2 (2003)
Carbosulfan	carbosulfan	Support unknown		1997	0.01 (1986)	0.02 (2003)
Fenbuconazole	fenbuconazole	Support unknown		1997	0.03 (1997)	N/A

Annex A

Draft Form for expressing concerns to the CCPR  
(Prioritisation of the Periodic Re-evaluation Schedule)

<i>Submitted by:</i>		
<i>Date:</i>		
<i>Pesticide/ Pesticide Code Number</i>	<i>Commodity (ies) / Commodity Code Number (s)</i>	<i>CXL(mg/kg)</i>
<i>Is this a Concern?</i>		
<i>The Concern relates to which prioritisation criterion / criteria (Specific statement of concern</i>		
<i>Is supporting data being provided?</i>		
<i>Data/Information</i> (Description of each separate piece of data/information which is attached or will be provided to the EWG Priorities and the appropriate JMPR secretary within one month of the CCPR meeting).		
<i>Is this a continuing concern?</i>		
<i>Outline ongoing concern and provide supporting data</i>		



## **CRITERIA FOR THE PRIORITISATION OF PERIODIC RE-EVALUATIONS**

The guiding principle for periodic re-evaluations should be that a compound may be given a lower priority for re-evaluation (and CXLs retained) providing a toxicological reassessment by a national review does not raise any health concerns; new dietary exposure estimates are below the ADI and the ARfD (To meet this requirement, new dietary risk assessments would be needed to ensure that the new GEMS Food Diets were used) and there is contemporary evidence of GAP relevant to the CXL.

When prioritizing chemicals for periodic re-evaluation by the JMPR, the Committee will consider the following criteria:

**1. Chemicals that have not been reviewed toxicologically for more than 15 years and/or not having a significant review of maximum residue limits for 15 years**

Note A: The EWG Priorities will circulate the list of compounds which meet the '15 year rule'.

Note B: Whilst adherence to this criterion is the starting point for consideration of the periodic re-evaluation schedule, it does not necessarily set the priorities nor does it preclude the ability for CCPR to schedule an additional high priority compound for which public health concerns are raised.

**2. The availability of current labels arising from recent national re-evaluations**

Note C: A clear indication of the availability of full data packages and labels from the manufacturer and/or relevant national authority is required prior to scheduling. In addition, an indication from the member and/or manufacturer on supported and unsupported CXLs will be required.

In due course, the provision of this data upon 'data call-in' notice will be a matter for the JMPR Secretariat.

**3. Has an ADI or ARfD been established?**

Note D: If no ADI or ARfD has been established by Codex, then in principle the compound would be given a high priority for re-evaluation. However the EWG Priorities would give a lower priority where information available from members, on national registrations and the conclusions from national/regional evaluations, did not indicate a public health concern.

Note E: Nominations for periodic review will be based on the conclusions of those re-evaluations conducted by member states.

Note F: If no significant public health issues are identified in a member state review, a compound will be given a low priority:

**4. If scientific data concerning the intake and/or toxicity profile of a compound indicates some level of public health concern**

Note G: If acute and/or chronic dietary intake concerns are indicated, using the most up-to-date GEMS Food information, the compound should be given a higher priority.

Note H: If major issues of public health consequence are raised, the compound would be given a high priority for review.

**5. Are there detectable residues resulting from the use of the compound?**

Note I: Noting contemporary GAP, compounds for which all CXLs are set at the limit of quantitation (LOQ) would be given a low priority.

**6. The year the chemical is listed in the list for Candidate Chemicals for Periodic Re-evaluation – Not Yet Scheduled**

Note J: Should more than the acceptable quota of compounds scheduled for periodic re-evaluation arise from consideration of criteria 1-5, chronological scheduling may apply.

**7. If there is a closely related chemical that is a candidate for periodic re-evaluation that can be evaluated concurrently**

Note K: The EWG Priorities would primarily need to consider active constituents that are linked through residue definition or isomeric/purified forms of existing active constituents or same manufacturer and similar compound, ie. OPs, SPs etc.

**8. The date the data will be submitted**

Note L: The date of data submission is a matter for the JMPR secretariat.

**9. The CCPR has been advised by a national government that residues from a compound have been responsible for trade disruption.**

## Appendix 3: Record of Periodic Re-evaluations

Note 7: all information derived from CX/PR 11/43/3 'DRAFT AND PROPOSED DRAFT MAXIMUM RESIDUE LIMITS IN FOODS AND FEEDS AT STEPS 7 AND 4'

Note 8: The year value provided in the schedule (tox) and (residue) columns is based on chronological order and is for guidance only.

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			
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			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
090	chlorpyrifos-methyl	1975	2009			
094	methomyl	1975	2001			
095	acephate	1976	2005T, 2003R			
100	methamidophos	1976	2002T, 2003R			
101	pirimicarb	1976	2004			
102	maleic hydrazide	1976	1996T, 1998R			
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( <i>AR/D</i> )			
112	phorate	1977	2004T, 2005R			
113	propargite	1977	1999T, 2002R			
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	bitertanol	1983	1998T, 1999R			
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( <i>AR/D</i> ), 2001R			
155	benalaxyl	1986	2005T, 2009R			
156	clofentezine	1986	2005T, 2007R			
157	cyfluthrin	1986	2006T, 2007R			
158	glyphosate	1986	2004			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
160	propiconazole	1987	2004T, 2007R			
162	tolyfluanid	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( <i>ARFD</i> )			
199	kresoxim-methyl	1998	none	Never scheduled	Never scheduled	
200	pyriproxyfen	1999	none	Never scheduled	Never scheduled	
201	chlorpropham	2000	2005T( <i>ADI, ARFD</i> )			
202	fipronil	1997	2000T,			
203	spinosad	2001	none	Never scheduled	Never scheduled	
204	esfenvalerate	2002	none	Never scheduled	Never scheduled	
205	flutolanil	2002	none	Never scheduled	Never scheduled	
206	imidacloprid	2001	none	Never scheduled	Never scheduled	
207	cyprodinil	2003	none	Never scheduled	Never scheduled	
208	famoxadone	2003	none	Never scheduled	Never scheduled	
209	methoxyfenozide	2003	none	Never scheduled	Never scheduled	
210	pyraclostrobin	2003	none	Never scheduled	Never scheduled	
211	fludioxonil	2004	none	Never scheduled	Never scheduled	
212	metalaxyl-M	2002	none	Never scheduled	Never scheduled	
213	trifloxystrobin	2004	none	Never scheduled	Never scheduled	
214	dimethenamid-P	2005	none	Never scheduled	Never scheduled	
215	fenhexamid	2005	none	Never scheduled	Never scheduled	
216	indoxacarb	2005	none	Never scheduled	Never scheduled	

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
217	novaluron	2005	none	Never scheduled	Never scheduled	
218	sulfuryl fluoride	2005	none	Never scheduled	Never scheduled	
219	bifenazate	2006	none	Never scheduled	Never scheduled	
220	aminopyralid	2007	none	Never scheduled	Never scheduled	
221	boscalid	2006	none	Never scheduled	Never scheduled	
222	quinoxifen	2006	none	Never scheduled	Never scheduled	
223	thiacloprid	2006	none	Never scheduled	Never scheduled	
224	difenoconazole	2007	none	Never scheduled	Never scheduled	
225	dimethomorph	2007	none	Never scheduled	Never scheduled	
226	pyrimethanil	2007	none	Never scheduled	Never scheduled	
227	zoxamide	2007	none	Never scheduled	Never scheduled	
229	azoxystrobin	2008	none	Never scheduled	Never scheduled	
230	chlorantraniliprole	2008	none	Never scheduled	Never scheduled	
231	mandipropamid	2008	none	Never scheduled	Never scheduled	
232	prothioconazole	2008	none	Never scheduled	Never scheduled	
233	spinetoram	2008	none	Never scheduled	Never scheduled	
234	spirotetramat	2008	none	Never scheduled	Never scheduled	
235	fluopicolide	2009	none	Never scheduled	Never scheduled	
236	metaflumizone	2009	none	Never scheduled	Never scheduled	
237	spirodiclofen	2009	none	Never scheduled	Never scheduled	
238	clothianidin	2010	none	Never scheduled	Never scheduled	
239	cyproconazole	2010	none	Never scheduled	Never scheduled	
240	dicamba	2010	none	Never scheduled	Never scheduled	
241	etoxazole	2010	none	Never scheduled	Never scheduled	
242	flubendiamide	2010	none	Never scheduled	Never scheduled	
243	fluopyram	2010	none	Never scheduled	Never scheduled	
244	meptyldinocap	2010	none	Never scheduled	Never scheduled	
245	thiamethoxam	2010	none	Never scheduled	Never scheduled	
999	acetamiprid	2011	none	Never scheduled	Never scheduled	
999	emamectin-benzoate	2011	none	Never scheduled	Never scheduled	
999	flutriafol	2011	none	Never scheduled	Never scheduled	

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
999	isopyrazam	2011	none	Never scheduled	Never scheduled	
999	penthiopyrad	2011	none	Never scheduled	Never scheduled	
999	propylene oxide	2011	none	Never scheduled	Never scheduled	
999	saflufenacil	2011	none	Never scheduled	Never scheduled	
999	sulfoxaflor	2011	none	Never scheduled	Never scheduled	
189	tebuconazole	1994	2010		2011	
180	dithianon	1992	2010		2013	
002	azinthos-methyl	1965	2007T		2017	Makhteshim
026	dicofol	1968	1992	2011	2011	Not supported by manufacturer
184	etofenprox	1993	none	2011	2011	Mitsui Chemical Inc
025	dichlorvos	1965	1993	2011	2012	AMVAC
179	cycloxydim	1992	2009T	2011	2012	support from BASF
119	fenvalerate	1979	1986T	2012	2012	Sumitomo Chemical
175	glufosinate-ammonium	1991	1999T	2012	2012	support from Bayer CropScience
172	bentazone	1991	1998T, 2004T(ARfD)	2012	2013	support from BASF
031	diquat	1970	1993T, 1994R	2013	2013	Syngenta
109	fenbutatin oxide	1977	1992T, 1993R	2013	2013	Not supported by BASF
185	fenpropathrin	1993	none	2013	2013	Sumitomo Chemical
116	triforine	1977	1997T	2014	2014	support from Sumitomo Co.
138	metalaxyl	1982	2002T	2014	2014	<a href="#">Quimicas del Vallés - SCC GmbH</a>
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
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
111	iprodisone	1977	1995T, 1994R	2016	2016	support from BASF
188	fenpropimorph	1994	2004T(ARfD)	2016	2016	support from BASF
190	teflubenzuron	1994	none	2016	2016	support unknown
022	diazinon	1965	2006T, 1993	Listed-not scheduled	Listed-not scheduled	Makhteshim-Agan
039	fenthion	1971	1995, 1997T(ARfD)	Listed-not	Listed-not scheduled	

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
				scheduled		
046	hydrogen phosphide	1965	1966T	Listed-not scheduled	Listed-not scheduled	support unknown
047	bromide ion	1968	1988T	Listed-not scheduled	Listed-not scheduled	support unknown
051	methidathion	1972	1997T, 1992	Listed-not scheduled	Listed-not scheduled	Not supported
060	phosalone	1972	1997T, 2001T(ARfD), 1994R	Listed-not scheduled	Listed-not scheduled	support unknown
064	quintozene	1969	1995	Listed-not scheduled	Listed-not scheduled	
070	bromopropylate	1973	1993	Listed-not scheduled	Listed-not scheduled	support unknown
074	disulfoton	1973	1996T(ARfD)	Listed-not scheduled	Listed-not scheduled	Bayer CropScience
082	dichlofluanid	1969	1983T	Listed-not scheduled	Listed-not scheduled	Not supported by manufacturer
087	dinocap	1969	1998T, 2000T(ARfD)	Listed-not scheduled	Listed-not scheduled	Not supported by manufacturer
093	bioresmethrin	1975	1991T, none	Listed-not scheduled	Listed-not scheduled	not supported by manufacturer
115	tecnazene	1974	1994T	Listed-not scheduled	Listed-not scheduled	support unknown
117	aldicarb	1979	1992T, 1995T(ARfD), 1994R	Listed-not scheduled	Listed-not scheduled	Bayer CropScience
120	permethrin	1979	1999T	Listed-not scheduled	Listed-not scheduled	not supported by manufacturer
122	amitraz	1980	1998T	Listed-not scheduled	Listed-not scheduled	Arysta Lifesciences
191	tolclofos-methyl	1994	none	Listed-not scheduled	Listed-not scheduled	Sumitomo Chemical
192	fenarimol	1995	none	Listed-not scheduled	Listed-not scheduled	
193	fenpyroximate	1995	2007T(ARfD)	Listed-not scheduled	Listed-not scheduled	
105	ferbam	1965	1996T	Listed-not scheduled	Listed-not scheduled	Dithiocarbamates

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
105	ziram	1965	1996T	Listed-not scheduled	Listed-not scheduled	Dithiocarbamates
195	flumethrin	1996	none	Listed-not scheduled	Listed-not scheduled	
096	carbofuran	1976	1996T, 2008T( <i>AR/D</i> ), 1997R	Listed-not scheduled	Listed-not scheduled	
103	phosmet	1976	1994T, 2003T( <i>AR/D</i> ), 1997R	Listed-not scheduled	Listed-not scheduled	
145	carbosulfan	1984	2003T, 1997R	Listed-not scheduled	Listed-not scheduled	
197	fenbuconazole	1997	none	Listed-not scheduled	Listed-not scheduled	

Appendix 4: 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 5: Chemicals with extraneous MRLs and recent deletions (Source: CX/PR 11/43/3)

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	Not supported
40	fentin	1991	1991	none	Not supported - Removed 2007
53	mevinphos	1997	1997	none	Not supported
136	Procymidone	1981	2007T	none	Not supported – removed 2011
159	Vinclozolin	1992	1995	none	Not supported – removed 2011



## Appendix 6: Periodic re-evaluation - chemicals no longer supported or support unknown

Compound	Comments
aldicarb (117)	Not supported by the manufacturer
dichlofluanid (82)	not supported by manufacturer
dinocap (87)]	not supported by manufacturer
methidathion (51)	not supported by manufacturer
bromopropylate	not supported by manufacturer
Bioresmethrin	not supported by manufacturer
permethrin	not supported by manufacturer
fenarimol	not supported by manufacturer
Fenbutatin oxide	Not supported by manufacturer
Azinphos methyl	Support unknown
Bromide ion	Support unknown
Hydrogen phosphide	Support unknown
tecnazene	Support unknown
carbofuran	Support unknown
carbosulfan	Support unknown
fenbuconazole	Support unknown

## Appendix 7: Periodic re-evaluation – some commodities no longer supported

2012	Commodities	Residue trials provided
2013		
diquat (031) [Syngenta] priority 1 - moved on request March 2011	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.  <b>(does not appear to be support for existing commodity CXLs for alfalfa fodder, cereals, edible offal, meat mammalian, milk poultry)</b>
fenpropathrin (185) [Sumitomo Chemical] – USA priority 1 – moved from 2012	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)  <b>(does not appear to be support for existing commodity CXLs for poultry, mammalian meat, milks)</b>  <b>(appears to be support for new commodities such as strawberry, cucumber, citrus and tree nuts)</b>
metalaxyl (138) Quimicas del Vallés - SCC GmbH	Review in 2004 for residues was for evaluation of metalaxyl-M, Support from Quimicas del Vallés - SCC GmbH, USA - Supervised trials by Thailand	<b>NOTE – new supporting manufacturer</b> That Thailand has agreed to provide field trials.  <b>Support for all existing commodity CXLs is unknown</b>