

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
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Agenda item 11

CX/PR 12/44/14-Add.1

March 2012

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

44th Session

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

ESTABLISHMENT OF THE CODEX PRIORITY LIST OF PESTICIDES

(Prepared by Australia)

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 2013-2016) is shown at Appendix 2a and the Periodic Re-evaluation List is shown at Appendix 2b.

2. The CCPR Electronic Working Group on Priorities (EWG Priorities) is mindful of the decision of the Committee (paragraphs 145 and 156 of the CCPR43 Report). Reference is made to REP11/PR (CL 2011/09-PR) Summary and Conclusions – Matters of Interest to the Commission which states:

The Committee agreed that in relation to the capacity of JMPR to provide scientific advice to CCPR, the Working Group on Priorities should consider ranking the compounds eligible for Periodic Review on the basis of health risks to assist in the establishment of the Priority List at the next session of the Committee.

3. For the convenience of the Committee, Appendix 2b includes the current criteria for the prioritisation of periodic re-evaluations (*Codex Alimentarius Commission Procedural Manual 20th edition – pp 135-136 Annex: List of Risk Management Policies used by CCPR*). Notes have been added to some of the listed criteria to aid interpretation and application.

4. Information regarding the Schedules and Lists is provided below. Bold text and strikethrough text indicate amendments to the Schedules and Lists following comments received to date since the adoption of the CCPR43 Report in July 2011.

B. NEW COMPOUNDS

5. 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:

6. 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. There are nine compounds listed.

2014:

7. The following compounds were added to the 2014 Schedule since the adoption of the CCPR43 Report: aminocyclopyrachlor, fluzifop-p-butyl, fluensulfone, imazamox, mesotrione (moved from 2013) and pymetrozine (moved from 2013). The compound rotenone was removed from the Schedule at the request of the nominating member country. There are eleven compounds listed.

2015:

8. The following compounds were added to the 2015 Schedule since the adoption of the CCPR43 Report: cyazofamid, fenazaquin, flonicamid and flupyradifurone. There are four compounds listed.

C. FOLLOW-UP EVALUATIONS

9. 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)

10. In accordance with the decision of the Committee (paragraphs 145 and 156 of the CCPR43 Report), the EWG Priorities has taken steps to rank the compounds eligible for Periodic Review on the basis of health risks to assist in the establishment of the Priority List at the next session of the Committee.

11. Following consultation with members and Croplife International, the **application** of the current criteria for the prioritisation of compounds for periodic re-evaluation has been reconsidered. In addition to the 15 year rule, the scheduling has attempted to take into account other factors such as consumer health concerns.

12. However, as a result, and acknowledging the effort to prepare data packages suitable for JMPR evaluation, the Schedule of Periodic Re-evaluation 2013-2016 has been split into two appendices.

- Appendix 2a lists 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.
- Appendix 2b lists all other compounds which currently meet the '15 year rule' criteria.

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

13. 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 'Concern Form' for expressing concerns to the CCPR (Prioritisation of the Periodic Re-evaluation Schedule) at Annex A.

14. Although the Draft 'Concern Form' has not been formally endorsed by the Committee, its ad hoc use for the time being, provides a mechanism by which the EWG Priorities can make science-based recommendations on public health concerns to the Committee (as requested by the Committee - paragraph 156 of the CCPR43 Report).

15. Members and observers are invited to make use of the Draft 'Concern Form' to lodge concerns against compounds listed in Appendix 2b with due reference to the current criteria for prioritisation of 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

16. 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

17. 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

18. 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], quintozene [64], ferbam/ziram [105] and flumethrin [195].

19. 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

20. 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.

21. 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

22. 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.

23. However, the CCPR Priority Lists of Pesticides: New Compounds and Follow-up Evaluations lists nine new compounds for full evaluation in 2013 and eleven new compounds in 2014. There are sixteen follow-up evaluations scheduled for 2013 and nine in 2014.

24. 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 is to accept the 'new compound' nomination but list with notes on registration status and LOQ MRLs.

25. Although, in accordance with the current Codex Procedural Manual, 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.

26. **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 2013 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 – 2013-2016
- 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)

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 (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)
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)
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)
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).

2013 JMPR FOLLOW-UP EVALUATIONS
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TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	azoxystrobin [Syngenta] USA (229)	Potato (USA), coffee, chickpea, lentil and dry pea	Potato (5), coffee (7)), Dry Pea (2), Dry Bean (5)
	cyproconazole [Syngenta] (239)	Coffee (Brazil)	Coffee (10)
	cyprodinil (207) [Syngenta] USA (moved from 2012)	Apple, Pear, Pistachio, Almond, Pecan 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	Apple and Pear (18), Pistachio (3), Almond and Pecan (10) 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)

	<p>chlorantraniliprole (230) [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, Hops Coffee, Fruiting vegetables (other than cucurbits, except mushrooms and sweet corn) 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]), Fruiting Vegetables (20) No new data; planning to propose higher MRLs on fruiting vegetables hops (4), Green onion (5), Welsh onion (2), Scallion (1) May be removed, assuming the JMPR recommendation is approved by CCPR: citrus commodities (8), citrus and citrus juice processed from citrus fruit (2)</p>
	<p>difenoconazole (224) [Syngenta] USA,</p>	<p>Grape, raisin, citrus, <i>Brassica</i> (broccoli, Brussels sprouts, cabbage, etc.), bulb vegetables, fruiting vegetables (pepper), cucurbits, potato] Persimmon (RoK)</p>	<p>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) Persimmon (6)</p>

	<u>fenbuconazole (197) [Dow AgroSciences]</u>	<u>blueberries; new GAP for citrus fruits</u>	<u>Blueberries (8); citrus fruits (30)</u>
	fenpyroximate (193) [Nihon Nohyaku] - USA	Avocado, bean (snap), cucumber, potato, stone fruit (cherry, peach, plum), tea strawberry watermelon	Avocado (5), Bean, snap (8), Cucumber (9), Potato (16), Cherry (8), Peach (10), Plum (6), Strawberry (8) watermelon (bridge from residue data for cantaloupe[8])
	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)
	malathion (49) [Cheminova] - USA	Cherry	6 trials with sweet cherries (3 57% EC and 3 ULV) and 6 trials with tart cherries (3 57% EC and 3 ULV)
	mandipropamid (231) [Syngenta] - USA	hops	Hops (11)
	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, tree nuts not supported Dry Bean, Lima bean, Snap bean, Mustard greens, Carrot, Radish, Mint, Pineapple, Watercress blueberry	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) blueberry (5)
	Pyrimethanil (226) (priority 1) Janssen PMP - USA	Re-evaluation of CXLs for peaches, cherries, apricots, plums, apple, pear	Stone fruit (3), Pome fruit (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)
Fluensulfone Moved from 2013 on request from Exponent	fluensulfone	Not registered	Further advice required	
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	Deleted from the schedule on the request of the Republic of Korea

2014 JMPR - FOLLOW-UP EVALUATIONS

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
Moved from 2012 on request from manufacturer	<u>2,4-D (020)</u> [Dow AgroSciences]	<u>New GAP for soya bean</u>	<u>Soya bean (24)</u>
	Bifenthrin [FMC]	Barley, barley (straw fodder), strawberry (alternative GAP)	(4 year rule)

	Chlorothalonil [Syngenta] (4 year rule)	Banana, carrot, cherry, cranberry, bulb onion, peach, sweet and chilli pepper, tomato, common beans blueberry Apple and pear (RoK)	Blueberry (6) await advice on other commodities <u>Apple, 6(RoK), Pear 6(RoK)</u>
	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)
	dithiocarbamates - mancozeb (105) [Dow AgroSciences]	mandarin (ROK)	<u>await further advice</u>
	fluopyram (243) [Bayer CropScience]	Leek, Onions, Asparagus, Lettuce heads, Herbs, Cabbage, Bush berries, Rape seed, Sunflower and Hops	Leek (24), Onions (37), Asparagus (12), Lettuce heads (50), Herbs (6), Cabbage head (16), Chinese cabbage (16), Bush berries (8), Rape seed (16), Sunflower (18) and Hops (8)
	Imidacloprid (206)	Pistachio (Iran)	Awaiting advice on number of field trials
	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)
	Thiamethoxam (245)	Pistachio (Iran), persimmon (Republic of Korea)	Awaiting advice pistachio field trials, Persimmon (6)

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	Not registered (expected 2014), MRLs > LOQ	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 & wine grapes & 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 – 2013-2016

- 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'

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. (does not appear to be support for existing commodity CXLs for alfalfa fodder, cereals, edible offal, meat mammalian, milk poultry)	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	NOTE – new supporting manufacturer That Thailand has agreed to provide field trials.	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	Await further advice (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, Kumquat, 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 (appears to be no support for animal product CXLs)	Awaiting advice on the numbers of trials	1992	0.03 1992	N/A

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
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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 (appears to be no support for animal product CXLs)	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

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

iprodone (111) (BASF)	iprodone (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)	Awaiting advice	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 2 (15 year rule). However, to date no relevant data have been provided.

Decisions on the prioritization of these compounds should, at the very least, be based on criterion 1 (public health concerns), criteria 4 and 7 (date that data will be submitted and availability of current labels arising from recent national evaluations) and other relevant criteria found in pp135-136 of the *Codex Procedural Manual*.

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)	Tree nuts, pome fruit, banana, cherry, citrus fruit, cucumber, grapes, raisins, stone fruit, strawberry, tomato, meat, milk, eggs BASF has decided to no longer support Fenbutatin Oxide	apple (8), citrus (16), strawberry (8) 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 ADraft 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

Codex Alimentarius Commission Procedural Manual twentieth edition, page 135-136 – Annex: List

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. If the intake and/or toxicity profile indicate some level of public health concern

Note A: Has an ADI or ARfD been established?

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

Note C: 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 for review.

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

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

Note F: 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.

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

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

4. The date the data will be submitted

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

5. Whether the CCPR has been advised by a national government that the chemical has been responsible for trade disruption.

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

Note I: 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.

Note J: Are there detectable residues resulting from the use of the compound? Noting contemporary GAP, compounds for which all CXLs are set at the limit of quantitation (LOQ) would be given a low priority.

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

Note K: 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.

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			
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			Individual dithiocarbamates are evaluated,

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
			propineb			propineb in 2004, ferbam/ziram (1996)
105	propineb	1997	2004T			Dithiocarbamates
110	imazalil	1977	2000T, 2005T(<i>ARfD</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>ARfD</i>), 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	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(ADI, <i>ARfD</i>)			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
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	
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	

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
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	
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	azinphos-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	Quimicas del Vallés - SCC GmbH
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	iprodione	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 scheduled	Listed-not scheduled	
046	hydrogen phosphide	1965	1966T	Listed-not scheduled	Listed-not scheduled	support unknown
047	bromide ion	1968	1988T	Listed-not	Listed-not scheduled	support unknown

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
				scheduled		
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
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(ARfD), 1997R	Listed-not scheduled	Listed-not scheduled	
103	phosmet	1976	1994T, 2003T(ARfD), 1997R	Listed-not scheduled	Listed-not scheduled	
145	carbosulfan	1984	2003T, 1997R	Listed-not	Listed-not scheduled	

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	notes
				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. (does not appear to be support for existing commodity CXLs for alfalfa fodder, cereals, edible offal, meat mammalian, milk poultry)
fenprothrin (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) (does not appear to be support for existing commodity CXLs for poultry, mammalian meat, milks) (appears to be support for new commodities such as strawberry, cucumber, citrus and tree nuts)
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	NOTE – new supporting manufacturer That Thailand has agreed to provide field trials. Support for all existing commodity CXLs is unknown