CODEX ALIMENTARIUS COMMISSION E

Food and Agriculture Organization of the United Nations

World Health Organization

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TO: Codex Contact Points
Interested International Organizations

FROM: Secretariat,
Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme
FAO, Viale delle Terme di Caracalla, 00153 Rome, Italy

SUBJECT: REQUEST FOR COMMENTS ON THE ESTABLISHMENT OF THE CODEX SCHEDULES AND PRIORITY LISTS OF PESTICIDES

DEADLINE: 1 March 2013

COMMENTS: To:

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A. SCHEDULES AND PRIORITY LISTS 2014-2018

1. The proposed Schedule and Priority Lists of Pesticides (New Compounds and Follow-up Evaluations) of the Codex Committee on Pesticide Residues are shown at Appendix 1. The CCPR Schedule of Periodic Re-evaluations 2014-2018 is shown at Appendix 2a and the Periodic Re-evaluation Priority 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 report of the 43rd session of the CCPR – REP11/PR). Reference is made to the Summary and Conclusions – Matters of Interest to the Commission of REP11/PR 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 Schedules and Priority Lists at the next session of the Committee."

3. Specific information regarding the Schedules and Priority Lists is provided below. Red text indicate amendments to the Schedules and Priority Lists following comments received to date since the adoption of the report of the 44th session of the CCPR (REP12/PR, Appendix XIII) in July 2012.

4. The distinction between the Schedule and the Priority Lists is as follows: The EWG Priorities will prepare a Schedule of Compounds to be presented to the next CCPR for endorsement as the list of compounds JMPR will evaluate in the following year. The EWG Priorities will also accept nominations for compounds to be included in the Priority Lists for the consideration of CCPR in subsequent years.

B. NEW COMPOUND AND FOLLOW-UP EVALUTIONS

5. The 2013 Schedule, although closed, is provided for reference.

Clarification is sought on the requested substitution of the picoxystrobin follow-up evaluation with a follow-up evaluation of glyphosate.

6. The proposed 2014 Schedule and Priority Lists for 2015-2016 are shown at Appendix 1.

2014:

7. The following compound was added to the 2014 Schedule since the adoption of the 44th session of the CCPR's report: cyflumetofen. There are eleven compounds listed in the proposed 2014 Schedule.

The expected evaluation workload is likely to be in excess of available JMPR resources. As such CCPR will need to apply scheduling criteria which includes available of product labels/registration to finalise the 2014 Schedule.

8. There are twenty compounds listed in the proposed 2014 Schedule for follow-up evaluation.

2015:

9. The following compounds were added to the 2015 Priority List since since the adoption of the 44th session of the CCPR's report: acetochlor, flumioxazin, fluazifop, phosphorous acid, flupyradifurone, pyrifluquinazon and quinclorac. There are ten compounds listed.

10. There are sixteen compounds listed in the proposed 2015 Priority List for follow-up evaluation.

2016:

11. The following compounds were added to the 2016 Priority List since the adoption of the 44th session of the CCPR's report: acibenzolar-S methyl, norfluazuron (moved from 2014) and spiromesifen. There are three compounds listed.

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

12. In accordance with the decision of the Committee (paragraphs 145 and 156 of the 43rd session of the CCPR – REP11/PR), the EWG Priorities has taken steps to rank the compounds eligible for Periodic Review on the basis of not only the 15 year rule but also health risks to assist in the establishment of the Schedule and Priority List for the consideration of CCPR.

13. Amendments to Appendix 2a since the 44th session of the CCPR are:

- At the request of the manufacturer, Metalaxyl was moved from 2014 to 2015 in the Priority Lists.
- Clethodim was added to the 2015 Priority List.
- As a result of the EU nomination (public health concerns), Imazalil was added to the 2016 Priority List.
- Fenpyroximate was added to the 2017 Priority List.

14. The following compounds are scheduled for 2014 periodic re-evaluation: fenpropathrin, triforine, myclobutanil and penconazole.

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

15. The Periodic Re-evaluation List (compounds listed under the 15 year rule but not yet scheduled), Appendix 2b, is provided to allow members/observers adequate time to register support for the compounds listed. In addition, members/observers may wish to 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.

16. 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 – report of the 43rd session of the CCPR, paragraph 156, REP11/PR).

Members and observers are invited to lodge concerns against compounds and/or indicate support through provision of requisite data packages for compounds listed in Appendix 2b. Nominated compounds will be transferred from Appendix 2b to Appendix 2a for scheduling.

<u>Compounds - not supported</u>

17. Support for the compound fenbutatin oxide, which was scheduled for periodic re-evaluation in 2012, has been withdrawn.

Members and observers will need to consider alternative support for this compound or consider revocation of relevant CXLs at the 45th session of the CCPR.

18. 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] and fenarimol [192].

<u>Compounds – support unknown</u>

19. The following compounds appearing on the List, for which support is unknown, are: azinphos methyl [02], bromide ion [47], hydrogen phosphide [46] and tecnazene [115].

Compounds – supported but awaiting advice on commodities or field trials

20. 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], carbofuran [96], carbosulfan [145], kresoxim-methyl [199] and fenbuconazole [197].

Member countries and observers are requested 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.

E: OTHER MATTERS – EVALUATION OF COMPOUNDS WITHOUT LABELS

21. Following concerns raised in regard to compounds for which no registration is apparent at JMPR data call-in, the following steps are suggested for CCPR's consideration.

- The current practice to accept "new compound" nominations which indicate a "not registered" status will continue. These compounds will be included in the Schedule and Priority Lists with notes on registration status and LOQ MRLs.
- Nominators will be required to indicate in the submission when a national registration is expected.
- On the basis of an expected national registration before the October JMPR "data call-in", CCPR will schedule those compounds for JMPR "new compound" evaluation in the following year.
- At the time of the recommencement of the EWG Priorities work, the Chair will issue a broadcast email to the EWG requesting nominations and amendments to the Schedules and Priority Lists.
- In that email, the EWG Priorities Chair will request reconfirmation of the registration status of those "not registered" compounds scheduled for new compound evaluation.
- At the time of the October JMPR "data call-in", the EWG Priorities Chair will provide relevant updates on the registration status.
    1. Should the advice provided by the nominator indicate the compound remains unregistered, JMPR will remove the compound from the "data call-in" process. The compound will be listed for scheduling in the following year.
    2. Should no advice be provided on the registration status of a scheduled compound noted as "not registered", JMPR reserves the right to remove that compound from the "data call-in" process. The compound will be listed for scheduling in the following year.
    3. "Reserve" compound(s) in the CCPR Schedule and/or Priority List will be added to the JMPR "data call-in"

APPENDICES

Appendix 1: CCPR Schedule and Priority Lists of Pesticides (new compounds and follow-up evaluations)

Appendix 2a: Schedule and Priority Lists of Periodic Re-evaluations – 2014-2018

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 PROPOSED SCHEDULE AND PRIORITY LISTS OF PESTICIDES (NEW COMPOUNDS AND FOLLOW-UP EVALUATIONS)

2013 JMPR NEW COMPOUND EVALUATIONS (CLOSED)				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Bixafen [Bayer CropScience] Germany (999)	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 (999) PRIORITY 1	Cyantraniliprole	Not registered 2012	Pome fruit; stone fruit; brassica vegetables; cucurbit vegetables; fruiting vegetables; leafy vegetables; bulb vegetables; green/long beans; grape; potato; sweet potato; rice; cotton; canola; citrus; tree nuts	Pome fruit (59+); stone fruit (51+); brassica vegetables (50+); cucurbit vegetables (146+); fruiting vegetables (192+); leafy vegetables (80+); bulb vegetables (85); green/long beans (18); grape (33); potato (46); rice (9); cotton (22+); canola (29); citrus (52); tree nuts (12)
Fenamidone [Bayer CropScience] Germany (999)	Fenamidone see 2014	Registered MRLs > LOQ		
Fluensulfone (999) Makhteshim	Fluensulfone see 2014	Not registered		
imazapic BASF Brazil (999) 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 (999) 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 (999)	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 (999)	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)

2013 JMPR NEW COMPOUND EVALUATIONS (CLOSED)				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Triflumizole [Nippon Soda] USA (999)	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 (999)	Trinexapac	Registered MRLs > LOQ	Wheat; barley; oats; sugarcane; oilseed rape	Wheat (20); barley (12); sugarcane (8); oilseed rape (18)

2013 JMPR FOLLOW-UP EVALUATIONS (CLOSED)			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Azoxystrobin [Syngenta] USA (229)	Potato (USA); coffee; chickpea; lentil and dry pea; sugarcane Water melon; dragon fruit; pineapple (Indonesia) Sorghum; oat; barley	Potato (5); coffee (8); dry pea (2); dry bean (5); sugarcane (12) Sorghum (12); oat (12); barley (9)
	Cyproconazole [Syngenta] (239)	Coffee (Brazil)	Coffee (10)
	Cyprodinil (207) [Syngenta] USA (moved from 2012)	Pome fruit Spinach (+ lettuce to raise MRL); carrot; radish; chives; parsley; *brassica* leafy greens; beans (snap, lima and dry); pepper (+ fruiting veg. crop group); cucurbit vegetable (melons, cucumber, squash); lemon; lime; basil; avocado; lychee (crop subgroup 006A); watercress; caneberry; low growing berries; blueberry; kiwifruit; brassica head and stem	Apple and Pear (18) Spinach (11) (+ lettuce to raise MRL, 14 trials); carrot (9) + radish (6); chives (3); parsley (4); brassica leafy greens and brassica head and stem (7 brassica + 7 broc + 6 cab + 7 mg); beans (snap (8), lima (8) and dry (9)); pepper (14+5GH); tomato (18) (+ fruiting veg. crop group); lemon (5) + lime; caneberry (5); blueberry (8); strawberry (8); basil (3); avocado (6); lychee (3 watercress (2); kiwifruit (3); cucumber (7); squash (5); melon (6) IR4

2013 JMPR FOLLOW-UP EVALUATIONS (CLOSED)			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Chlorantraniliprole (230) [DuPont] - USA	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 Coffee; fruiting vegetables (other than cucurbits, except mushrooms and sweet corn) Legume vegetables - bean (*Phaseolus* spp., podded and shelled); broad bean (*Vicia faba* spp., podded and shelled); bean (*Vigna* spp., podded and shelled); jackbean; pea (*Pisum* 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; hops	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 Avocado (Dupont-NZ) Hops (4)
	Difenoconazole (224) [Syngenta] USA	Grape; raisin; citrus; *brassica* (broccoli, Brussels sprouts, cabbage, etc.); bulb vegetables; fruiting vegetables (pepper); cucurbits; potato] Persimmon; ginseng (RoK)	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); ginseng

2013 JMPR FOLLOW-UP EVALUATIONS (CLOSED)			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Fenbuconazole (197) [Dow AgroSciences]	Blueberries; new GAP for citrus fruits	Blueberries (8); citrus fruits (30)
	Fenpyroximate (193) [Nihon Nohyaku] - USA	Avocado; bean (snap); cucumber; potato; stone fruit (cherry, peach, plum); tea strawberry; mint	Avocado (5); bean; snap (8); cucumber (9); potato (16); cherry (8); peach (10); plum (6); strawberry (8); peppermint, spearmint (6); tea (8)
	Fludioxonil (211) [Syngenta] - USA	Ginseng; spinach (+ lettuce to raise MRL); carrot; radish; chives; parsley; *brassica* leafy greens; beans (snap, lima and dry); pepper (+ fruiting veg. crop group); cucurbit vegetables; lemon; lime; basil; avocado; lychee (subgroup 006A); watercress; caneberry; strawberry; blueberry; kiwifruit; brassica head and stem Tomato; Potato; Pineapple Chickpea; Lentil	Ginseng (4); spinach (11) (+ lettuce to raise MRL, 14 trials); carrot (9) + radish (6); chives (3); parsley (4); brassica leafy greens and brassica head and stem (7 brassica + 7 broccoli + 6 cabbage + 7 mustard green); beans (snap (8), lima (8) and dry(9)); pepper (14+5GH); tomato (18 + 6 post-harvest) (+ fruiting veg. crop group); cucumber (7); squash (5); melons (6); lemon (5) + lime; caneberry (5); blueberry (8); strawberry (8); basil (3); avocado (6); lychee (3)); watercress (2); kiwifruit (3) – IR4 Tomato (24); potato (5); pineapple (4); chickpea (9); lentils (5)
	Flutolanil (205) [Nihon Nohyaku] - USA	Leafy brassica; brassica head and stem	Broccoli (11); cabbage (9); mustard greens (10)
	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)
Suggested swap with glyphosate (2014)	Picoxystrobin– [Dupont] – USA (258)	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)

2013 JMPR FOLLOW-UP EVALUATIONS (CLOSED)			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Propiconazole (160) [Syngenta] - USA	Citrus stone fruit tomato Tree nuts not supported Dry bean; lima bean; snap bean; mint; pineapple Blueberry; caneberry Wheat; oats; barley	Tomato (postharvest) (6); citrus (postharvest) (12); stone fruit (postharvest) (9) Dry bean (12); snap bean (7); lima bean (6); mint (5); pineapple (3) Blueberry (5) IR4; raspberry and blackberry (2) Wheat (15); oats (12); barley (9)
	Pyraclostrobin (210) BASF	Citrus oil (await JMPR advice); apricot	Apricot (4)
	Pyrimethanil (226) (priority 1) Janssen PMP - USA	Re-evaluation of CXLs for peaches; cherries; apricots; plums; apple; pear; ginseng; lemon; low growing berry (from existing strawberry)	Stone fruit (3); pome fruit (5); lemon (5); ginseng (3)
	Saflufenacil [BASF] (251)	Lentils (awaiting advice from JMPR)	
	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) (Bayer CropScience)	Rice (China)	

2014 JMPR - NEW COMPOUND EVALUATIONS – PROPOSED SCHEDULE				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Aminocyclopyrachlor (999) [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)
Benzovindiflupyr [Syngenta] – Switzerland (999) Tox Evaluation 2013	Benzovindiflupyr	Not registered Registration expected in 2012	soybean; corn; sugarcane; cotton; dry beans	Soybean (12); corn (11); sugarcane (12); cotton (11); dry beans (11)
Cyflumetofen [BASF] USA (999)	Cyflumetofen	Not registered MRLs > LOQ	Apple; pear; citrus; orange; grapefruit; lemon; strawberry; almond; pecan; grapes; tomato; melon; tea	Apple (17: 1 EU, 12 USA, 4 Japan); pear (7: 5 USA, 2 Japan); citrus (4 Japan); orange (18: 12 USA, 6 Brazil); grapefruit (6 USA); lemon (5 USA); strawberry (8 USA); almond (5 USA); pecan (5 USA); grapes (12 USA); tomato (16 USA); melon (2 Japan); tea (2 Japan); processed commodities: apple (2 USA); orange (2 USA); grapes (4); tomato (2)

2014 JMPR - NEW COMPOUND EVALUATIONS – PROPOSED SCHEDULE				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Dichlobenil – [Chemtura] USA (999)	Dichlobenil	Registered MRLs > LOQ	Cranberry; blackberry; blueberry; raspberry; grapes; cherry; pome fruit; hazelnut; and rhubarb rhubarb (IR-4 Study)	Apple (5); blueberry (2); blackberry (3); cherry (12); cranberry (4); filberts (3); grapes (12); peach (4); plum (3) Rhubarb (3 IR-4 trials)
Fenamidone [Bayer CropScience] Germany Tox evaluation in 2013 (999)	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 IR-4 Add-On: carrots; sunflower; ginseng; snap bean; lima bean	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) Additional IR-4 data: carrots (13); sunflower (9); ginseng (5); snap bean (8); lima bean (9)
Fluensulfone Makhteshim Tox evaluation in 2013 (999)	Fluensulfone	Not registered	Tomatoes; peppers (bell and non-bell); cucumbers; courgette (zucchini); squash; cantaloupe (rockmelon)	Tomatoes (31); peppers (bell and non-bell) (19); cucumbers (15); courgette (zucchini) (3); squash (10); cantaloupe (rockmelon) (16)
Fufenoxuron BASF Brazil priority 1 – moved from 2012 - (999)	Flufenoxuron	Registered MRLs > LOQ	Soybean; pome fruit (apple, pear); orange; melon; tomato; grape; tea	Soybean (8); pome fruit (8); citrus (12); melon (7); tomato (12); grape (12); tea (8)
Imazamox [BASF] Argentina (999)	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; 19 alfalfa Additional IR-4 data: bean (snap) (6); pea (EP & SS) (9); bean (lima) (7); bean (dry) (10); pea (dry) (6); sunflower (6)
Mesotrione – (999) [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) IR-4 data: cranberry (5)
Metrafenone [BASF] USA (999)	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 IR-4 Add-On: peach	Grapes (table and wine) (24 USA) (14 EU); raisins (dried grapes); (1 USA); 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 USA) IR-4 data: tomato (19); cantaloupe (12); squash (14); cherry (16); peach (16); hops (5)

2014 JMPR - NEW COMPOUND EVALUATIONS – PROPOSED SCHEDULE				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Pymetrozine – (999) [Syngenta] – USA moved from 2013	Pymetrozine	Registered MRLs > LOQ	Hops; vegetables (tuberous and corm); asparagus; vegetable (leafy, except *brassica*); *brassica* (head and stem); *brassica* (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) IR-4 data: asparagus (8 IR-4 trials)

2014 JMPR - FOLLOW-UP EVALUATIONS – PROPOSED SCHEDULE			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	2,4-D (020) [Dow AgroSciences] moved from 2012 on request from manufacturer	New GAP for soya bean	Soya bean (24)
	Chlorantraniliprole (230) [DuPont] - USA	Green bulb vegetables; peanuts; pulses (mung beans, chick peas, soy beans); cereal grains	Green bulb vegetables (8); peanuts (6); pulses (mung beans (3); chick peas (3); soy beans (4); cereal grains (barley 3; sorghum 3; wheat (5)
	Chlorothalonil [Syngenta] (81) (4 year rule)	Carrot; cherry; cranberry; bulb onion; peach; sweet and chilli pepper; tomato; common beans; asparagus Blueberry USA Apple and pear (RoK) IR-4 Add-On: radish (root veg); ginseng; horseradish; rhubarb; mustard greens; pepper (bell); pepper (NB); orange; lemon; grapefruit (citrus fruit); almond; pistachio; mushroom; guava; lychee; mango; papaya; persimmon	Cherry (8); peach (8); bulb onion (8); sweet pepper (8); tomato (8); asparagus (6) Blueberry (6) await advice on other commodities Apple, 6 (RoK); pear 6 (RoK) Additional IR-4 data: radish (7); ginseng (5); horseradish (3); rhubarb (4); mustard greens (9); pepper (bell) (9); pepper (NB) (7); orange (12); lemon (5); grapefruit (6); almond (5); pistachio (3); mushroom (3); guava (5); lychee (4); mango (3); papaya (4); persimmon (2)

2014 JMPR - FOLLOW-UP EVALUATIONS – PROPOSED SCHEDULE			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
Diflubenzuron [Chemtura] (130) EU – request to review toxicological data		IR-4 Add-On: carrot; mustard greens; wheat; barley; peach; plum; peanut	Additional IR-4 data: carrot (10); mustard greens (8); wheat & barley (12); peach & plum (12); peanut (15)
	Dimethomorph [BASF] (225)	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 IR-4 Add-On: fruiting veg. pepper (+ tomato?) to raise MRL; mustard greens; lima beans; taro	Bulb onions (including shallots, garlic, silverskin onions), 10 (USA); green onions, 6 (USA); leek, 20 (EU); head cabbage, 10 (USA); flowerhead brassica (broccoli), 10 (USA) Whole group leafy vegetables (excluding brassica), 25 (head and leaf lettuce; spinach) (USA); celery, 9 (USA); globe artichokes, 10 (EU); oranges, 8 (EU); strawberry, 8 (EU); grapes, 13 (USA); ginseng, 4 (USA; IR-4) Additional IR-4 data (or IR-4 data to be submitted): ginseng (4); taro (3); onion (DB) (8); onion (Gr) (4); lettuce head (6); lettuce leaf (9); mustard greens (8); lima bean (6); pepper (B + NB) (12)
	Dithiocarbamates - mancozeb (105) [Dow AgroSciences]	Mandarin (RoK) Okra; chili pepper (Thailand) Seed spices [HS 190]; fruit and berry spices [HS 191] (India)	Await further advice Ginseng (3) USA
	Emamectin benzoate (247) [Syngenta]	Canola (Australia) Tree nuts, including pistachios	Tree nuts (4 almond; 4 pecan)
	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)
Suggested swap with picoxystrobin (2013)	Glyphosate (158) [Dupont]	An evaluation of *N*-acetylglyphosate and *N*-acetyl AMPA is requested to confirm the following: 1) the residue definition for canola remains as *glyphosate* for compliance with CODEX MRLs 2) the quantitative value of the CODEX MRLs for canola remains at 20 mg/kg (canola seed) 3) the residue definition for canola becomes the *sum of glyphosate + AMPA + N-acetylglyphosate + N-acetyl AMPA* for dietary intake assessment	Canola
	Imidacloprid (206) [Bayer CropScience]	Pistachio (Iran) Seed spices [HS 190]; fruit and berry spices [HS 191] (India)	Awaiting advice on number of field trials

2014 JMPR - FOLLOW-UP EVALUATIONS – PROPOSED SCHEDULE			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Phosmet [Gowan] (103) - USA	Cranberry; tart cherry	Cranberry (5); tart cherry (15) - tart cherry - 5 pre-GLP trials (2 USA; 3 Canada), 6 GLP (Italy), 4 GLP (France)
	Propamocarb (148); Bayer CropScience	Broccoli; cauliflower; Brussels sprouts; head cabbage; kale; onions; leeks IR-4 Add-On: lima bean	Broccoli (10); cauliflower (10); Brussels sprouts (8); cabbages, head (12); kale (9); onion, bulb (21); leek (12) Additional IR-4 data: bean (lima) (6)
	Propylene oxide [Balchem] (250)	Tree nuts	
	Prothioconazole [Bayer CropScience] (232)	Cranberry; blueberry; cucurbits	
	Pyraclostrobin [BASF] (210)	Apricot	Apricot - trials?
	Sedaxane [Syngenta] (259)	Potatoes; corn; pulses and sorghum	Potato – 29 trials total – 13 in Canada + 16 in USA Corn – 29 trials total – 3 in Canada (sweet corn only) + 26 in USA (field and sweet Corn) Sorghum – 12 trials total 12 in USA Pulses (dry peas and beans) – 23 trials total 13 trials in Canada (5 dry bean + 8 dry pea trials) + 10 trials in USA (5 dry bean + 5 dry pea trials)
	Spirodiclofen (237) Bayer CropScience	Avocados; blueberry	Avocados (5)
	Thiamethoxam (245) [Syngenta]	Pistachio (Iran); persimmon (RoK) IR-4 Add-On: legume veg. (beans, peas, lentils, pulses, chick pea, etc.); avocado; hops; mint	Awaiting advice pistachio field trials; persimmon (6) Additional IR-4 data: bean (succulent) (13); pea (EP + SS) (10); bean (dry) (9); pea (dry) (5); avocado (3); hops (3); mint (5)
	Triadimenol (168) Bayer CropScience	Grapes	Grapes (16)
	Prothioconazole (232) Bayer CropScience	Soybean; maize; potatoes	

2015 JMPR - NEW COMPOUND EVALUATIONS – PRIORITY LIST				
TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Acetochlor USA [Monsanto] (999)	Acetochlor	Registered MRLs > LOQ	Corn, field, forage; corn, field, grain; corn, field, stover; corn, pop, grain; corn, pop, stover; corn, sweet, forage; corn, sweet, kernels plus cob with husks removed; corn, sweet, stover; cotton, gin by-products; cotton, undelinted seed; sorghum, grain forage; sorghum, grain, grain; sorghum, grain, stover; soybean, meal; soybean, seed; beet, sugar, dried pulp; beet, sugar, molasses; beet, sugar, roots; beet, sugar, tops; peanut; peanut, hay; peanut, meal For crops planted in rotation which are included in a crop group tolerance or which have a stand-alone tolerance in the USA: rice, grain; rice, straw; wheat, forage; wheat, hay; wheat, straw; wheat, grain; alfalfa, forage; alfalfa, hay; clover; potatoes; sunflower seed	Corn, field, forage; corn, field, grain; corn, field, stover; corn, pop, grain; corn, pop, stover; corn, sweet, forage; corn, sweet, kernels plus cob with husks removed; corn, sweet, stover (21 total); cotton, gin by-products; cotton, undelinted seed (13 total); sorghum, grain forage; sorghum, grain, grain; sorghum, grain, stover (13 total); soybean, meal; soybean, seed (21 total); beet, sugar, dried pulp; beet, sugar, molasses; beet, sugar, roots; beet, sugar, tops (15 total); peanut; peanut, hay; peanut, meal (13 total); For crops planted in rotation which are included in a crop group tolerance or which have a stand-alone tolerance in the USA: rice, grain; rice, straw; wheat, forage; wheat, hay; wheat, straw; wheat, grain; alfalfa, forage; alfalfa, hay (11); clover (10); potatoes (10); sunflower seed (8); dried beans (9)
Cyazofamid (999) [Ishihara Sangyo Kaisha] USA	Cyazofamid	Registered	Hops; potato; tomato; grape; cucurbits; carrots; brassica vegetables; okra; spinach; other fruiting vegetables	USA/Canada: potato (27); tomato (35); cucurbits (11); cucumber (11); muskmelon (9); summer squash; grape (3-USA) (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 (999) [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 (999) [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	USA/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

2015 JMPR - NEW COMPOUND EVALUATIONS – PRIORITY LIST				
TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Fluazifop-p-butyl [Syngenta] (999) Switzerland moved from 2014	Fluazifop-p-butyl	Registered MRsL>LOQ	Oil seed rape; soybean; dry beans; cotton; potato; sweet potato; sugar beets; citrus fruits; pome fruit; stone fruit; grapes; tree nuts; onion (could include bulb veg); cabbage; carrots; vegetables; bananas; coffee bean; (palm oil) IR-4 Add-On: lettuce; rhubarb; caneberry; blueberry; onion, green	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) Additional IR-4 data: lettuce (26); rhubarb (2); caneberry (6); blueberry (9); onion, green (4); coffee (2)
Flupyradifurone (999) [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)
Flumioxazin USA [Sumitomo] (999)	Flumioxazin	Not registered MRLs >LOQ	Alfalfa; artichoke; asparagus; bushberry subgroup; cabbage and Chinese cabbage; cactus; corn; cotton; fish, freshwater; fruit, pome; fruit, stone; garlic; grape; hop; leaf petiole subgroup 4B; nut, tree; okra; olive; onion, bulb; pea and bean; dried shelled, except soybean; peanut; peppermint; pistachio; pomegranate; rapeseed subgroup 20A; shallot bulb; soybean; spearmint; strawberry; sugarcane; sunflower (subgroup 20B); vegetable; cucurbit; group 9; vegetable, fruiting; group 8; vegetable, tuberous and corm subgroup 1C (potato); wheat	Alfalfa: 13; artichoke: 3; asparagus: 8; bushberry subgroup: 5 (blueberry); cabbage and Chinese cabbage: 8; cactus: 2; corn: 21; cotton: 13; freshwater fish: 1 (catfish); 1 (bluegill sunfish); fruit, pome 12 (apple), 6 (pear); fruit, stone 9 (peach), 6 (plum), 6 (cherry); garlic: 9 (dry bulb onion); grape: 13; hop: 3; leaf petiole subgroup 4B; 8 (celery); nut, tree: 5 (pecan), 5 (almond); Okra: included in vegetable, fruiting, group 8; olive: 5; onion, bulb: 9; pea and bean, dried shelled, except soybean: 6 (dry pea), 12 (dry bean); peanut: 16; peppermint: 6; pistachio: 5 (almond); pomegranate: 3; rapeseed subgroup (canola): 8; shallot bulb: 9 (dry bulb onion); soybean: 42; spearmint: 6; strawberry: 8; sugarcane: 9; sunflower (subgroup 20B): 8; vegetable, cucurbit, group 9: 8 (cantaloupe), 8 (squash), 8 (cucumber); vegetable, fruiting, group 8: 12 (tomato), 9 (bell and non-bell pepper); vegetable, tuberous and corm subgroup 1C (potato): 14; wheat: 3 (pre-emergent), 20 (foliar)
Phosphorous acid [manufacturer] Australia (999)	Phosphorous acid	Registered	Grapes	To be advised

2015 JMPR - NEW COMPOUND EVALUATIONS – PRIORITY LIST				
TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Pyrifluquinazon (999) [Nihon Nohyaku] Japan	Pyrifluquinazon	Registered Japan; RoK	Citrus; pome fruits; potatoes; stone fruits; grapes; tree nuts; melons; tea; grapes (table grapes, raisins, wine); fruiting vegetables, cucurbits; cotton; leafy vegetables; brassica leafy and head/stem vegetables	Almonds (10); pecans (10); grape (table) (24); raisin, juice (if MRL not included under table grape); plum (18); peach (24); cherry (16); apple (24); pear (12); lemon (10); grapefruits (12); oranges (24); cantaloupe (12); cucumbers (14); summer squash (10); peppers (24); tomatoes (28); cauliflower/broccoli (12); cabbage (16); potatoes (33); cotton seed (24); tea (6) and corresponding animal commodity MRLs
Quinclorac USA [BASF] (999)	Quinclorac	Registered MRLs > LOQ	Barley; canola; cranberry; rhubarb; rice; sorghum; wheat; and animal feed items	Barley (5); canola (23); cranberry (5); rhubarb (4); rice (40); sorghum (24); wheat (67); and animal feed items (13)

2015 JMPR - FOLLOW-UP EVALUATIONS – PRIORITY LIST			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Abamectin (177) [Syngenta]	Chili peppers (Thailand) Chilli pepper; tomato; mango; papaya (Indonesia REP12/PR, CRD 26)	
	Acetamiprid (246) [Nippon Soda]	Fruiting vegetables other than cucurbits China (tomatoes and cucumbers) seed spices [HS 190]; fruit and berry spices [HS 191] (India)	
	Bifenthrin [FMC] (178)	Barley; barley (straw fodder); strawberry; papaya; okra; mango	(4 year rule)
	Lambda-cyhalothrin (146) [Syngenta]	Basil (Thailand)	
	Carbofuran (145) FMC	Seed spices [HS 190]; fruit and berry spices [HS 191] (India)	
	Dicamba USA [Monsanto] (240)	Cotton – undelinted seed, cotton – gin by-products	Cotton (13)
	Difenoconazole (224) [Syngenta] USA	Papaya (Kenya)	
	Fipronil (202) [BASF]	Basil (Thailand)	

2015 JMPR - FOLLOW-UP EVALUATIONS – PRIORITY LIST			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Fluopyram [Bayer CropScience] (243)	Grapes; berries and small fruits; artichoke; tuber vegetables; leek; plum; tomato/aubergine; onion; peppers; cucumber; melon; chicory; beans); peas; maize; wheat & barley Soya bean; cotton; alfalfa	Grapes; berries and small fruits (36 trials); artichoke (4); tuber vegetables (16); leek (20); plum (21); tomato/aubergine (12); onion (16); peppers (9); cucumber (8); melon (9); chicory (8); beans (9); peas (12); maize (16); wheat & barley (44); soya bean; cotton; alfalfa
	Flutriafol USA [Cheminova] (248)	Pears; peach/nectarine; plum; cherry; sugar beet; rice; strawberry; almond; pecan; tomato; cucumber; muskmelon; summer squash	Pears (6); peach/nectarine (12); plum (8); cherry (16); sugar beet (12); rice (8); strawberry (10); almond (5); pecan (5); tomato (19); cucumber (9); muskmelon (8); summer squash (8)
	Fluxapyroxad USA [BASF] (256)	Tree nuts; berries and small fruit; grape; strawberry; bulb vegetables; brassica, leafy and head and stem, cucurbits; leafy vegetables (lettuce, spinach, celery); root and tuber vegetables (radish, carrot); cereal grains; grasses for sugar production (sugar cane); sorghum	Tree nuts (almond (5), pecan (5)); berries and small fruit (blueberry (6), blackberry (1), raspberry (2)) Grape (12); strawberry (8) Bulb vegetables (green onion (3), dry bulb onion (6)) Brassica (broccoli (6), cabbage (6), mustard greens (5)) Cucurbits (cucumber (6), cantaloupe (6), summer squash (5)) Leafy vegetables (head lettuce (6), leafy lettuce (6), spinach (6), celery (6)) Root and tuber vegetables (radish (5), carrot (7)) Cereal grains (rice (16)); sorghum (9) Grasses for sugar production (sugar cane (8))
	Imidacloprid [Bayer CropScience] (206)	Stone fruits; olive; tea; Chinese cabbage; kale; coffee	
	Pyrimethanil [Bayer CropScience] (226)	Blueberry	
	Spirotetramat [Bayer CropScience] (234)	Sweet corn	
	Tebuconazole (189) [Bayer CropScience]	China (banana and cucumber); Kenya (common beans) Lettuce head	
	Trifloxystrobin [Bayer CropScience] (213)	Lentils; chick pea; beans; peas; soya beans	

2016 JMPR - NEW COMPOUND EVALUATIONS – PRIORITY LIST				
TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Acibenzolar-S methyl (999) [Syngenta] New Zealand	Acibenzolar-S methyl	Registered	Kiwifruit	Awaiting advice
Norfluazuron – [Syngenta] –USA moved from 2014 (999)	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
Spiromesifen Germany [Bayer CropScience] (999)	Spiromesifen	Registered MRLs > LOQ		

APPENDIX 2A: SCHEDULE AND PRIORITY LISTS OF PERIODIC RE-EVALUATIONS – 2013-2018

Note 1: NR denotes "following evaluation, JMPR has deemed the establishment of an ARfD unnecessary"

Note 2: 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 [CLOSED]

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	0.09 2012	NR 2012
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	Dry beans (23); dry peas (24); lentils (33); soybeans (11); potatoes (36); oilseed rape (14); sunflowers (10); apple (8); strawberry (3); banana (8); carrot (3); tomato (14); coffee (12) (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	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~~ evaluated in 2012					0.03 2006	N/A

2014 PERIODIC RE-EVALUATION – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
	Fenpropathrin (185) [Sumitomo Chemical] – USA	Cattle meat; cattle milk; cattle edible offal; cotton seed; cotton seed oil; eggplant; eggs; gherkin; grapes; chilli pepper; sweet pepper; pome fruits; poutry meat; poutry 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 Coffee; soybean (Brazil) Seed spices [HS 190]; fruit and berry spices [HS 191] (India) IR-4 Add-On: 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) Blueberry (9); peas (8); cucumber (8); squash (7); avocado (6); tropical fruit (9); barley (12) Soybean (8); coffee (6) IR-4 Data: blueberry (9); peas (8); cucumber (8); squash (7); avocado (6); tropical fruit (9); barley (12)	1993	0.03 2006	N/A
Triforine (116) [Sumitomo Corp]	Triforine (116)	Apple; blueberries; Brussels sprouts; cereal grains; cherries; common bean; apricot; currants (black, red white); fruiting vegetables, cucurbits; gooseberry; peach; plums (including prunes); strawberry; tomato	Pome fruit - apple (15); pears Stone fruit - cherries; plums; apricots; nectarines; Peaches - peach (20); plums (including prunes) (16); apricot (7); nectarine (5); cherries (15) Berries and other small fruits - blueberries (8) berries and small fruits (5); currants (black, red, white); grapes (10); strawberry (8) Brussels sprouts (no additional trials) Cereal grains (no additional trials) Common bean (no additional trials) Fruiting vegetables peppers 7; aubergine 7; tomato 31; cucurbits 12; melons 8; squash 6	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 (manufacturer indicates support for animal product CXLs) Soybean; melon (Brazil)	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)	1992	0.03 1992	N/A

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
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, zuchini); 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 (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 – PRIORITY LIST

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 (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; ottonseed - 4 trials; potato - 4 trials; onion - 4 trials; meat/milk/eggs	1994	0.05 1997	0.05 1999
Clethodim (187) Arysta LifeScience 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

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
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
Metalaxyl (138) Quimicas del Vallés - SCC GmbH postponed on request	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 - pineapples	NOTE – new supporting manufacturer Thailand has agreed to provide field trials - pineapples	2004	0.08 2004	NR 2004

2016 PERIODIC RE-EVALUATION – PRIORITY LIST

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
Imazalil (110) [Janssen]	Imazalil (110)	Nominated by EU (criteria – public health concern) To be advised				
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)	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 Brussels 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

2017 PERIODIC RE-EVALUATION – PRIORITY LIST

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Tolclofos-methyl (191) [Sumitomo Chemical]	Tolclofos-methyl (191)	Lettuce head; lettuce leaf; potato; radish ginseng (RoK)	Await advice	1994	0.07 1994	N/A
Fenpyroximate (193) [Nihon Nohyaku]	Fenpyroximate	Awaiting advice on commodities IR-4 Add-On: potato; bean (snap); melons; cucumber; stone fruit; avocado; mint	IR-4 Data: potato (16); bean (snap) (8); melons (8); cucumber (9); cherry (8); peach (10); plum (6); avocado (5); mint (6)	1995	0.01 1995	0.02 2007

2018 PERIODIC RE-EVALUATION – PRIORITY LIST

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Flumethrin (195) [Bayer CropScience]	Flumethrin (195)	Cattle milk; cattle meat		1996	0.004 1996	N/A

APPENDIX 2B: PERIODIC RE-EVALUATION LIST (COMPOUNDS LISTED UNDER 15 YEAR RULE BUT NOT YET SCHEDULED OR LISTED)

Note 3: Compounds listed in this table meet criterion 2 (15 year rule).

Decisions on the prioritization of these compounds should 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*.

Compounds are listed in Appendix 2b awaiting advice on supporting data packages and/or an indication of manufacturer/member country support.

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
	Aldicarb (117) [Bayer CropScience]	No longer supported by the manufacturer	No longer supported by manufacturer	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)	No longer supported by manufacturer	No longer supported by manufacturer	1983	0.3 1983	N/A
Dinocap (87) [Dow AgroSciences]	Dinocap (87)	No longer supported by manufacturer	No longer supported by manufacturer	1998	0.008 1998	0.008 WCBA 0.03 general
Fenbutatin oxide (109) [BASF]	Fenbutatin oxide (109)	No longer supported by manufacturer	No longer supported by manufacturer	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)	No longer supported by manufacturer	No longer supported by manufacturer	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

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Bromopropylate (70) [Syngenta]	Bromopropylate (70)	No longer supported by manufacturer	No longer supported by manufacturer	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	Durian (Thailand)	1997	0.02 1997	0.3 2001
Bioresmethrin (93) previously Sumitomo Chemical)–	Bioresmethrin (93)	Not supported by manufacturer	Not supported by manufacturer	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)	Permethrin (120)	Not supported by manufacturer	Not supported by manufacturer	1987	0.05 1999	NR 1999
Fenarimol (192) [Gowan]	Fenarimol	Not supported by manufacturer	Not supported by manufacturer	1995	0.01 1995	N/A
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
Carbofuran (96) FMC Corporation	Carbofuran	Awaiting advice on commodities		1997	0.001 1996	0.001 2009
Carbosulfan (145) [FM C Corporation]	Carbosulfan	Awaiting advice on commodities	Asparagus; egg plant (Thailand)	1997	0.01 (1986)	0.02 (2003)

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Fenbuconazole (197) [Dow AgroSciences]	Fenbuconazole	Awaiting advice on commodities	Awaiting advice on commodities	1997	0.03 (1997)	N/A
Kresoxim-methyl (199) [BASF]	Kresoxim-methyl	Awaiting advice on commodities		1998	0.4 (1998)	NR (1998)

APPENDIX 3: RECORD OF PERIODIC RE-EVALUATIONS

Note 4: All information is derived from the current "DRAFT AND PROPOSED DRAFT MAXIMUM RESIDUE LIMITS IN FOODS AND FEEDS AT STEPS 7 AND 4"

Note 5: 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			
025	Dichlorvos	1965	2011T, 2012R			AMVAC
026	Dicofol	1968	1992, 2011T			Not supported by manufacturer
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	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, 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			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
100	Methamidophos	1976	2002T, 2003R			
101	Pirimicarb	1976	2004			
102	Maleic hydrazide	1976	1996T, 1998R			
103	Phosmet	1976	1994T, 2003T, 1997R 2002R			0.01 (1998), 0.2 (2003) Gowan
105	Dithiocarbamates	1965	1996T, 1993R, 2004 propineb			Individual dithiocarbamates are evaluated, propineb in 2004, ferbam/ziram (1996)
105	Propineb	1997	2004T			Dithiocarbamates
112	Phorate	1977	2004T, 2005R			
113	Propargite	1977	1999T, 2002R			
118	Cypermethrin	1979	2006T, 2008R			
119	Fenvalerate	1979	2012			Sumitomo Chemical
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(*ARfD)*, 2001R			
155	Benalaxyl	1986	2005T, 2009R			
156	Clofentezine	1986	2005T, 2007R			
157	Cyfluthrin	1986	2006T, 2007R			
158	Glyphosate	1986	2004			
160	Propiconazole	1987	2004T, 2007R			
162	Tolylfluanid	1988	2002			
165	Flusilazole	1989	2007			
166	Oxydemeton-methyl	1989	2002T, 1998R			
167	Terbufos	1989	2003T			

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
169	Cyromazine	1990	2006T, 2007R			
171	Profenofos	1990	2007T, 2008R			
173	Buprofezin	1991	2008			
174	Cadusafos	1991	2009T, 2010R			
175	Glufosinate-ammonium	1991	2012			Bayer CropScience
176	Hexythiazox	1991	2008T, 2009R			
178	Bifenthrin	1992	2009T, 2010R			
179	Cycloxydim	1992	2009T, 2012R			BASF
184	Etofenprox	1993	2011T,R			Mitsui Chemical Inc
189	Tebuconazole	1994	2010T, 2011R			
194	Haloxyfop	1995	2006T, 2009R			
196	Tebufenozide	1996	2003T(*ARfD)*			
201	Chlorpropham	2000	2005T(ADI, *ARfD)*			
172	Bentazone	1991	2012T, 2004T(ARfD)		2013	BASF
180	Dithianon	1992	2010		2013	
002	Azinphos-methyl	1965	2007T		2017	Makhteshim
185	Fenpropathrin	1993	None	2012	2014	Sumitomo Chemical
031	Diquat	1970	1993T, 1994R	2013	2013	Syngenta
109	Fenbutatin oxide	1977	1992T, 1993R	2013	2013	Not supported by BASF
116	Triforine	1977	1997T	2014	2014	Support from Sumitomo Co.
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
138	Metalaxyl	1982	2002T	2015	2015	Quimicas del Vallés - SCC GmbH
177	Abamectin	1992	1997T	2015	2015	Syngenta
187	Clethodim	1994	1999T(ARfD)	2015	2015	Support from USA
110	Imazalil	1977	1977, 2000T, 2005T(*ARfD)*	2016	2016	Janssen
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
191	Tolclofos-methyl	1994	None	2017	2017	Sumitomo Chemical
193	Fenpyroximate	1995	2007T(ARfD)	2017	2017	Nihon
195	Flumethrin	1996	None	2018	2018	Bayer CropScience

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
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	Bayer CropScience
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	Cheminova
064	Quintozene	1969	1995	Listed-not scheduled	Listed-not scheduled	Chemtura
070	Bromopropylate	1973	1993	Listed-not scheduled	Listed-not scheduled	Syngenta
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
096	Carbofuran	1976	1996T, 2008T(*ARfD)*, 1997R	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
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

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
145	Carbosulfan	1984	2003T, 1997R	Listed-not scheduled	Listed-not scheduled	
192	Fenarimol	1995	None	Listed-not scheduled	Listed-not scheduled	
197	Fenbuconazole	1997	None	Listed-not scheduled	Listed-not scheduled	Dow
199	Kresoxim-methyl	1998	None	Listed-not scheduled	Listed-not scheduled	
202	Fipronil	2000/2001	None	Never scheduled	Never scheduled	BASF
200	Pyriproxyfen	1999	None	Never scheduled	Never scheduled	
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	Quinoxyfen	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	

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
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	Cicamba	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	
246	Acetamiprid	2011	None	Never scheduled	Never scheduled	
247	Emamectin-benzoate	2011	None	Never scheduled	Never scheduled	
248	Flutriafol	2011	None	Never scheduled	Never scheduled	
249	Isopyrazam	2011	None	Never scheduled	Never scheduled	
250	Propylene oxide	2011	None	Never scheduled	Never scheduled	
251	Saflufenacil	2011	None	Never scheduled	Never scheduled	
252	Sulfoxaflor	2011	None	Never scheduled	Never scheduled	
253	Penthiopyrad	2011	None	Never scheduled	Never scheduled	
253	Ametoctradin	2012	None	Never scheduled	Never scheduled	[BASF] – USA
254	Chlorfenapyr	2012	None	Never scheduled	Never scheduled	[BASF] – Brazil
255	Dinotefuran	2012	None	Never scheduled	Never scheduled	[Mitsui Chemicals Agro] – Japan
256	Fluxapyroxad	2012	None	Never scheduled	Never scheduled	[BASF] – USA
257	MCPA	2012	None	Never scheduled	Never scheduled	[Nufarm] – USA
258	Picoxystrobin	2012	None	Never scheduled	Never scheduled	[Dupont] -USA
259	Sedaxane	2012	None	Never scheduled	Never scheduled	[Syngenta] – USA
999	Bixafen	2013	None	Never scheduled	Never scheduled	Bayer CropScience
999	Cyantraniliprole	2013	None	Never scheduled	Never scheduled	DuPont
999	Fenamidone	2013/14	None	Never scheduled	Never scheduled	Bayer CropScience
999	Fluensulfone	2013/14	None	Never scheduled	Never scheduled	Makhteshim

Code	Chemical	Initial JMPR evaluation	Periodic re-evaluation	Scheduled (Tox)	Scheduled (Residues)	Notes
999	Imazapic	2013	None	Never scheduled	Never scheduled	BASF
999	Imazapyr	2013	None	Never scheduled	Never scheduled	BASF
999	Isoxaflutole	2013	None	Never scheduled	Never scheduled	Bayer CropScience
999	Tolfenpyrad	2013	None	Never scheduled	Never scheduled	Nihon Nohyaku
999	Triflumizole	2013	None	Never scheduled	Never scheduled	Nippon Soda
999	Trinexapac	2013	None	Never scheduled	Never scheduled	Syngenta
999	Benzovindiflupyr	2013	None	Never scheduled	Never scheduled	Syngenta
999	Aminocyclopyrachlor	2014	None	Never scheduled	Never scheduled	DuPont
999	Cyflumetofen	2014	None	Never scheduled	Never scheduled	BASF
999	Dichlobenil	2014	None	Never scheduled	Never scheduled	Chemtura
999	Flufenoxuron	2014	None	Never scheduled	Never scheduled	BASF
999	Imazamox	2014	None	Never scheduled	Never scheduled	BASF
999	Mesotrione	2014	None	Never scheduled	Never scheduled	Syngenta
999	Metrafenone	2014	None	Never scheduled	Never scheduled	BASF
999	Pymetrozine	2014	None	Never scheduled	Never scheduled	Syngenta
999	Acetochlor	2015	None	Never scheduled	Never scheduled	Monsanto
999	Cyazofamid	2015	None	Never scheduled	Never scheduled	Ishihara Sangyo Kaisha
999	Fenazaquin	2015	None	Never scheduled	Never scheduled	Gowan
999	Flonicamid	2015	None	Never scheduled	Never scheduled	Ishihara Sangyo Kaisha
999	Fluazifop-p-butyl	2015	None	Never scheduled	Never scheduled	Syngenta
999	Flumioxazin	2015	None	Never scheduled	Never scheduled	Sumitomo
999	Flupyradifurone	2015	None	Never scheduled	Never scheduled	Bayer CropScience
999	Phosphorous acid	2015	None	Never scheduled	Never scheduled	?
999	Pyrifluquinazon	2015	None	Never scheduled	Never scheduled	Pyrifluquinazon
999	Quinclorac	2015	None	Never scheduled	Never scheduled	BASF
999	Norfluazuron	2016	None	Never scheduled	Never scheduled	Syngenta
999	Spiromesifen	2016	None	Never scheduled	Never scheduled	Bayer CropScience
999	Acibenzolar-S methyl	2016	None	Never scheduled	Never scheduled	
999			None	Never scheduled	Never scheduled	
999			None	Never scheduled	Never scheduled	
999			None	Never scheduled	Never scheduled	
999			None	Never scheduled	Never scheduled	
999			None	Never scheduled	Never scheduled	
999			None	Never scheduled	Never scheduled	

APPENDIX 4: CHEMICAL-COMMODITY COMBINATIONS FOR WHICH SPECIFIC GAP IS NO LONGER SUPPORTED

Code	Chemical	Comments
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)
162	Tolyfluanid	All commodities (EU GAP no longer supported)

APPENDIX 5: CHEMICALS WITH EXTRANEOUS MRLS AND RECENT DELETIONS

Code	Chemical	Last toxicological evaluation	Last residue evaluation		Comments
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 manufacturer
Bioresmethrin (93)	Not supported by manufacturer
Bromopropylate (70)	Not supported by manufacturer
Dichlofluanid (82)	Not supported by manufacturer
Dinocap (87)]	Not supported by manufacturer
Fenbutatin oxide (109)	Not supported by manufacturer
Fenarimol (192)	Not supported by manufacturer
Methidathion (51)	Not supported by manufacturer
Permethrin (120)	Not supported by manufacturer
Azinphos methyl (002)	Support unknown
Bromide ion (47)	Support unknown
Hydrogen phosphide (46)	Support unknown
Tecnazene (115)	Support unknown

APPENDIX 7: PERIODIC RE-EVALUATION – SOME COMMODITIES NO LONGER SUPPORTED

2013	Commodities	Residue trials provided
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)
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 Thailand has agreed to provide field trials Support for all existing commodity CXLs is unknown