



Agenda Item 12

CX/PR 14/46/13
March 2014

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

46th Session
Nanjing, P.R. China, 5-10 May 2014

ESTABLISHMENT OF THE CODEX SCHEDULES AND PRIORITY LISTS OF PESTICIDES (Prepared by Australia)

A. SCHEDULES AND PRIORITY LISTS 2015-2018

1. The proposed CCPR Schedule and Priority Lists of Pesticides (New Compounds, New Uses and Other Evaluations) are shown at Table 1. The CCPR Schedule of Periodic Review 2015-2018 is shown at Table 2a and the CCPR Periodic Review Priority List is shown at Table 2b.
2. Specific information regarding the Schedules and Priority Lists is provided below.
3. 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, NEW USES AND OTHER EVALUTIONS

4. The 2014 Schedule, although closed, is provided for reference.
5. The proposed 2015 Schedule and 2016-2017 Priority Lists are shown at Table 1.

B1. Proposed 2015 Schedule:

6. As the 2015 Priority List already contained 11 new compounds following the 45th session of CCPR, no further compounds have been added. However, additional commodities have been added to most of the listed new compounds. In regard to the phosphorus acid nomination, a request has been lodged to include fosetyl-aluminium as a joint new compound evaluation.
7. There are 21 compounds listed in the proposed 2015 Schedule for new use and other evaluation.

Notwithstanding the 6 compounds listed in proposed 2015 Periodic Review Schedule, the new compound, new use and other evaluation workload is in excess of current available JMPR resources. As such, CCPR will need to apply scheduling criteria which includes 'availability of product labels/registration' and 'presence of residues' to finalise the Proposed 2015 Schedule.

B2. 2016 Priority List:

8. The following compounds were added to the 2016 New Compound Priority List since the adoption of the CCPR45 report: cyaniliprole, ethiprole, imazethapyr, isofetamid, MCPB, oxathiapiprolin, pinoxaden and pendimethalin. These and the compounds acibenzolar-S-methyl, norflurazon and spiromesifen comprise a listing of 11 compounds nominated for new compound evaluation.
9. There are thirteen compounds listed in the 2016 New Uses and other Evaluations Priority List.

C. TABLE 2A - PERIODIC REVIEW (Supported and scheduled)

10. Since the 45th session of CCPR, there have been no amendments to the 2015 and 2016 priority lists for periodic review.
11. The proposed 2015 Schedule of Periodic Reviews comprises the following compounds: abamectin [177], chlormequat [15], clethodim [187], ethephon [106], penconazole [182] and metalaxyl [138]. Noting the number of new compound and new use evaluations list for 2015, two compounds in the 2015 proposed periodic review schedule may need to be move to 2016.
12. The 2016 Periodic Review – Priority List comprises fenpropimorph [188], imazalil [110], iprodione [111] and teflubenzuron [190].
 - Imazalil was added to the 2016 Priority List following the EU nomination (public health concerns). The compound is currently listed with no indication of commodities to be supported.

13. Following the lodgement of a public health concern by the Netherlands, the fungicide group – dithiocarbamates (105) was added to the 2017 Priority List. An additional set of public health concerns were lodged resulting in fenarimol [192], methidathion [51] and bromopropylate [70] being moved from Table 2B to 2A (2018 periodic review priority list).

14. The compound oxamyl (126) is listed in the 2017 Priority List with no indication of commodities to be supported.

Member countries and observers are requested to provide advice on supported commodities and the number of trials as soon as practicable.

This is critically important for those compounds listed in the proposed 2015 Schedule.

D. TABLE 2A - PERIODIC REVIEW (Unsupported or support unknown)

15. Following concerns raised by members of the eWG priorities, four compounds (hydrogen phosphide [46], dichlofluanid [82], permethrin [120] and bromide ion [47]) were transferred from Table 2b to Table 2a because, for each, more than 25 years has elapsed since the last periodic review. The compounds are listed in the 2018 Priority List but have no support from any manufacturer.

Member and observers are requested to provide advice on compound and commodity support as soon as practicable.

E. TABLE 2B - PERIODIC REVIEW (Compounds listed under the 15 year rule but not scheduled)

16. The Periodic Review List is provided to allow members/observers adequate time to register support for the listed compounds. In addition, members/observers may wish to advise CCPR of public health concerns which relate to a listed compound.

Members and observers are invited to lodge concerns against compounds and/or indicate support through provision of requisite data packages for compounds listed in Table 2b.

Nominated compounds will be transferred from Table 2b to Table 2a for scheduling.

E1. Compounds - not supported, support unknown

17. Support for the compound fenbutatin oxide, which was scheduled for periodic re-evaluation in 2012, has been withdrawn. Following an intervention by an unspecified member, the compound has been listed in Table 2b under the 4 year rule.

The supporting member should notify the eWG Priorities immediately.

18. The following compounds are listed in Table 2b with the comment “Not supported by the manufacturer”: fenthion [39], dinocap [87], bioresmethrin [93] and aldicarb [117].

19. The following compounds are listed in Table 2b with the comment “support unknown”: azinphos methyl [02] and tecnazene [115].

Members and observers are requested to provide advice as soon as practicable on the compounds listed as unsupported in Table 2b.

E2. Compounds - supported but awaiting advice on commodities or field trials

20. For the following compounds, advice is required on supported commodities and number of residue trials: diazinon [22], phosalone [60], quintozone [64], disulfoton [74], carbofuran [96], amitraz [122], carbosulfan [145], fenbuconazole [197] and kresoxim-methyl [199].

Members and observers are requested to provide advice on supported commodities and number of field trials to be submitted as soon as practicable.

F. LINDANE

21. At the 43rd session of CCPR, member countries agreed to monitor the presence of lindane in food commodities and to provide data to JMPR within a period of 2 years. The monitoring data would be reviewed by JMPR in 2015 prior to a decision to convert MRLs to EMRLs (para. 150 of REP11/PR).

22. Lindane has been listed in the 2015 Periodic Review proposed schedule for the review of monitoring data.

23. Members and observers are requested to submit monitoring data as soon as practicable.

G. APPENDICES

Table 1: CCPR Schedule and Priority List of Pesticides (new compounds, new uses and other evaluations)

Table 2a: Proposed Schedule and Priority List of Periodic Reviews – 2015-2018

Table 2b: Periodic Reviews List (compounds listed under the 15 year rule but not yet scheduled)

Table 3: Record of Periodic Reviews

Table 4: Chemical-commodity combinations for which specific GAP is no longer supported

CCPR SCHEDULE AND PRIORITY LISTS

TABLE 1: CCPR SCHEDULE AND PRIORITY LISTS OF PESTICIDES (NEW COMPOUNDS, NEW USES AND OTHER EVALUATIONS)

2014 JMPR - NEW COMPOUND EVALUATIONS – SCHEDULE (CLOSED)				
TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Aminocyclopyrachlor (999) (herbicide) [DuPont] - USA	Aminocyclopyrachlor	Registered MRLs > LOQ	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 (999) (fungicide) [Syngenta] – Switzerland	Benzovindiflupyr Tox Evaluation 2013	Registered	Soybean; corn; sugarcane; cotton; dry beans	Soybean (12); corn (11); sugarcane (12); cotton (11); dry beans (11)
Cyflumetofen (999) (acaracide) [BASF] USA	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)
Dichlobenil – (999) (herbicide) [Chemtura] USA	Dichlobenil	Registered MRLs > LOQ	Cranberry; blackberry; blueberry; raspberry; grapes; cherry; pome fruit; hazelnut; and rhubarb Rhubarb (US Study)	Apple (5); blueberry (2); blackberry (3); cherry (12); cranberry (4); filberts (3); grapes (12); peach (4); plum (3) Rhubarb (3 US trials)
Fenamidone (999) (fungicide) [Bayer CropScience] Germany	Fenamidone Tox evaluation in 2013	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 US Add-ons: 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) Carrots (13); sunflower (9); ginseng (5); snap bean (8); lima bean (9)
Fluensulfone (999) (nematicide) Makhteshim	Fluensulfone Tox evaluation in 2013	To be registered in October 2013	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)

2014 JMPR - NEW COMPOUND EVALUATIONS – SCHEDULE (CLOSED)

TOXICOLOGY	RESIDUE	Prioritisation Criteria	Commodities	Residue trials provided
Imazamox (999) (herbicide) [BASF] Argentina	Imazamox	Registered MRLs > LOQ	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 US data: bean (snap) (6); pea (EP & SS) (9); bean (lima) (7); bean (dry) (10); pea (dry) (6); sunflower (6)
Mesotrione – (999) (herbicide) [Syngenta] – USA	Mesotrione moved from 2013 P1	Registered MRLs most 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) US data: cranberry (5)
Pymetrozine – (999) (insecticide) [Syngenta] – USA	Pymetrozine moved from 2013 P1	Registered MRLs > LOQ	Citrus; pome fruit; peach; strawberries; rice; pecans; oilseed rape; cotton; hops; brassica vegetables; fruiting vegetables cucurbits; fruiting veg other than cucurbits; lettuce; asparagus; potatoes; animal commodities	Citrus (26); apple/Pear (8); peach (10); strawberry (12); brassica (24); rice (8); pecans (5); OSR (12); cotton (4); hops (12); cucurbits /edible (20); cucurbits/inedible (16); pepper (16); tomato (16); lettuce (26); asparagus (4); potatoes (10)
Flufenoxuron (999) (insecticide) BASF Brazil	Flufenoxuron priority 1 – moved from 2012 RESERVE	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)
Metrafenone (999) (fungicide) [BASF] USA	Metrafenone RESERVE	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 US Add-ons: 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) US data: tomato (19); cantaloupe (12); squash (14); cherry (16); peach (16); hops (5)

2014 JMPR - NEW USES AND OTHER EVALUATIONS – SCHEDULE (CLOSED)

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Buprofezin (173) JMPR 2013	Coffee	
	Chlorantraniliprole (230) [DuPont] - USA	Green bulb vegetables; peanuts; pulses (mung beans, chick peas, soy beans); cereal grains; citrus; herbs	Green bulb vegetables (5); peanuts (6); pulses (mung beans (3); chick peas (3); soy beans (4); cereal grains (barley 3; sorghum 3; wheat (5); citrus (8); herbs (extrapolated from leafy vegetables and green onions)
	Chlorpyrifos-methyl (90) [Dow AgroScience] JMPR 2013	Alternative GAP / label – wheat and barley	
Chlorfenapyr (254) [BASF] Review tox data on metabolites JMPR 2013			
	Clothianidin [Bayer] (238) JMPR 2013	Root tuber vegetables (EU)	
	Dicamba (240) [BASF] JMPR 2013	soybean	Soybean (12) additional trials at 1x rate
Diflubenzuron [Chemtura] (130) EU – request to review toxicological data		US Add-ons: carrot; mustard greens; wheat; barley; peach; plum; peanut	Additional US 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 US Add-ons: 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) Additional US data (or US 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)

2014 JMPR - NEW USES AND OTHER EVALUATIONS – SCHEDULE (CLOSED)

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Dithiocarbamates - mancozeb (105) [Dow AgroSciences]	Mandarin; ginseng (Korea) Okra; chili pepper (Thailand) Seed spices [HS 190]; fruit and berry spices [HS 191] (India)	<u>Await further advice</u> Ginseng (3) USA Ginseng (5) Korea
	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)
Glufosinate [Bayer CropScience] (175) JMPR 2013	Glufosinate [Bayer CropScience] (175)	Toxicological equivalence factors (banana, kiwifruit, soya bean, edible offal [mammalian], lettuce leaf, sunflower)	
	Penthiopyrad (253) JMPR 2013	Livestock commodity MRLs	
	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 US Add-ons: Lima bean	Broccoli (10); cauliflower (10); Brussels sprouts (8); cabbages, head (12); kale (9); onion, bulb (21); leek (12) Bean (lima) (6)
	Propiconazole (US Add-ons inadvertently not reviewed during 2013 JMPR).	Bean, dry, lima, snap; mint; pineapple; blueberry; caneberry Barley; oat; wheat	Bean, dry (12); bean, snap (7); bean, lima (6); mint (5); pineapple (3); blueberry (5); caneberry, raspberry (1) and blackberry (1) Barley (9); oats (12); wheat (15)
	Prothioconazole [Bayer CropScience] (232)	Cranberry; blueberry; cucurbits; soya bean; maize; potato; peanut; oilseed rape	Cranberry (6); blueberry (11); cucurbits (24); soya bean (20); maize (62); potato (20); peanut (8); oilseed rape (34)
	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 in USA), pulses (dry peas and beans) – (23) 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); blueberry (12)

2014 JMPR - NEW USES AND OTHER EVALUATIONS – SCHEDULE (CLOSED)

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Sulfoxaflor (252) Syngenta	Review of residue data sets	
	Thiamethoxam (245) [Syngenta]	Persimmon (KOREA) US Add-ons: legume veg. (beans, peas, lentils, pulses, chick pea, etc.); avocado; hops; mint	Persimmon (6); bean (succulent) (13); pea (EP + SS) (10); bean (dry) (9); pea (dry) (5); avocado (3); hops (4); mint (5)
	Triadimenol (168) Bayer CropScience	Grapes	Grapes (16)

2015 JMPR - NEW COMPOUND EVALUATIONS – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Acetochlor (999) (herbicide) USA [Monsanto]	Acetochlor	Registered MRLs > LOQ	<p>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</p> <p>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</p>	<p>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)</p> <p>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)</p>
Cyazofamid (999) (fungicide) [Ishihara Sangyo Kaisha] USA	Cyazofamid	Registered MRLs > LOQ	<p>Hops; potato; tomato; grape; cucurbits; carrots; brassica vegetables; okra; spinach; other fruiting vegetables; leafy vegetables</p> <p>US add on: Basil; succulent bean*; succulent shelled bean*; chives**; lettuce; spinach</p> <p>US registration date: 02/07/13 – pending registration</p>	<p>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)</p> <p>Basil (6); succulent bean (8); succulent shelled bean (8); chives (9); lettuce (21); spinach (10)</p>
Fenazaquin (999) (insecticide) [Gowan company] USA	Fenazaquin	Registered MRLs > LOQ	<p>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</p>	<p>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)</p>

2015 JMPR - NEW COMPOUND EVALUATIONS – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Flonicamid (999) (insecticide) [Ishihara Sangyo Kaisha] USA	Flonicamid	Registered MRLs > LOQ	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; hops US add on: Bean, dry and succulent**; canola; mint*; strawberry US registration date: 02/14 – pending registration	USA/Canada: peach (9); cherry (6); plum (6); apple (12); pear (6); cucumber (6); cantaloupe (6); summer squash (5); tomato (21); 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) Bean, dry (12); canola (8); mint (5); strawberry (8)
Fluazifop-p-butyl (herbicide) [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) US Add-ons: Lettuce**; rhubarb**; caneberry**; blueberry** Pending registration Brasil - sugarcane; sunflower; cotton seeds; potato; broccoli; onion; soya; tomato Animal feeding study data to support MRLs in animal commodities given use of cotton seed, rape seed and soybeans or their by-products as animal feeds	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) Lettuce (26); rhubarb (2); caneberry (6); blueberry (9); coffee (2) Animal feeding study data to support MRLs in animal commodities Brasil - sugarcane; sunflower; cotton seeds; potato; broccoli; onion; soya; tomato
Flupyradifurone (insecticide) (999) [Bayer CropScience] Germany	Flupyradifurone	Not registered (expected 2014); MRLs > LOQ	Citrus fruit; table and wine grapes and small berries (including blueberry); pome fruit; tree nuts; hops; fruiting and brassica vegetables; lettuce; potatoes; sugar beets; onions; cereals; coffee; soya and cotton US Add-ons: prickly pear cactus	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) Prickly pear cactus (8); blueberry (26)

2015 JMPR - NEW COMPOUND EVALUATIONS – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Flumioxazin USA (herbicide) [Sumitomo] (999)	Flumioxazin	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 US add ons: broccoli**; caneberry**; prickly pear cactus Pending registration	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) Broccoli (10); caneberry (8); prickly pear cactus (3)
Lufenuron (999) (insecticide) Brasil [Syngenta]	Lufenuron	Registered MRLs >LOQ	Soybean; citrus; pome fruit; stone fruit; grapes; fruiting vegetables; melon; cucumber/squash; flowering brassica; head brassica; leafy vegetables; cotton; potato; sunflower; sugarcane; corn; wheat; rice; coffee	Soybean (8); citrus (18); pome fruit (16); stone fruit (16); fruiting vegetables (tomato, pepper) (21); melon (8); cucumber/squash (9); flowering brassica (16); head brassica (8); leafy vegetables (lettuce) (16); cotton (4); potato (4); sunflower (4); sugarcane (4); corn (4); wheat (4); coffee (4); rice (4); tea (4)
Phosphorous acid (fungicide) [Nufarm] Australia (999)	Phosphorous acid + fosetyl-aluminium	Registered MRLs >LOQ	Grapes US add on: Citrus Post harvest	To be advised Citrus (8)
Pyriproxyfen (999) (insecticide) [Nihon Nohyaku] Japan	Pyriproxyfen	Registered Japan; KOREA	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 (999) (herbicide) USA [BASF]	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 - NEW USES AND OTHER EVALUATIONS – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	2,4-D (020) [Dow AgroSciences] moved from 2012 on request	New GAP for soya bean	Soya bean (24)
	Acetamiprid (246) [Nippon Soda]	Fruiting vegetables other than cucurbits, China (tomatoes and cucumbers); seed spices [HS 190]; fruit and berry spices [HS 191] (India); pistachio (Iran); US Add-ons: Mustard greens; sweet corn; asparagus	Mustard greens (8); sweet corn (8); asparagus (8)
	Bifenthrin [FMC] (178)	Barley; barley (straw fodder); strawberry; papaya; okra; mango US Add-ons: Chives; head lettuce; spinach; celery; snap bean; pea; lima bean; blueberry; grape; basil; artichoke	(4 year rule) (authorised GAP) Chives (3); head lettuce(6); spinach (5); celery (12); snap bean (6); pea (6) lima bean (7); blueberry (9); grape (7); basil (2); artichoke (2)
Moved from 2014 to allow JMPR to conduct one evaluation for all commodity requests.	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 (KOREA) US Add-ons: 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 - **not submitted Brasil - coffee; mango; citrus; watermelon; soya; potato	Cherry (12); peach (12); bulb onion (8); sweet pepper (8); tomato (24); asparagus (8); cranberry (6); blueberry (8); radish (7); ginseng (5); horseradish (3); rhubarb (4); mustard greens (9); pepper (bell) (9); pepper (NB) (8); orange (12); lemon (5); grapefruit (6); almond (5); pistachio (3); mushroom (3); guava (5); lychee (4); mango (4); papaya (4); persimmon (2) Apple, 6 (KOREA); pear 6 (KOREA), Brasil - coffee; mango; citrus; watermelon; soya; potato
	Cyantraniliprole (263) [DuPont] USA	Cucumber; carrot; radish; legumes (succulent and dried); green beans; peas; maize; strawberries; artichokes; tobacco; peanuts; soybeans Potato; coffee; citrus; oil seeds; grapes; olives; sunflower; pomegranate; green beans; rice and tree nuts	Carrots (42 trials); brussels sprouts (10 trials); beans without pods (16 trials); peas without pods (16 trials); cucumber (greenhouse – 5 trials); cherries (14 trials); strawberries (28 trials); peanuts (13 trials); soybeans (21 trials); maize (23 trials); artichokes (6 trials)
	Cyprodinil (207) (Canada)	Rapeseed / Canola - MRL > LOQ Brasil - cotton; potato; citrus; sunflower; apple; soya	Rapeseed / Canola (16) Brasil - cotton; potato; citrus; sunflower; apple; soya
	Lambda-cyhalothrin (146) [Syngenta]	Basil (Thailand) Brasil - pineapple; coffee	Brasil - pineapple; coffee
	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)

2015 JMPR - NEW USES AND OTHER EVALUATIONS – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Difenoconazole (224) [Syngenta] USA	Papaya (Kenya) Canada – rapeseed / canola US Add-ons: Almond; soybean 13-07G. Low growing berry subgroup - Bearberry; bilberry; blueberry; lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, and/or hybrids of these Brasil - avocado; cotton seeds; peanut; rice; coffee; watermelon	Rapeseed / canola (13) Almond (5); soybean (20); strawberry (9) Brasil - avocado; cotton seeds; peanut; rice; coffee; watermelon
	Fipronil (202) [BASF]	Basil (Thailand)	
	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; Peanut	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 (21); cotton (11); Peanut (12)
	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))
Moved from 2014	Imidacloprid (206) [Bayer CropScience]	Stone fruit; olive; tea; Chinese cabbage; kale; pistachio (Iran); seed spices [HS 190]; fruit and berry spices [HS 191] (India)	Stone fruits (40); olive (28); tea (8); Chinese cabbage and kale (4)
	Methoxyfenozide [Dow AgroScience] (209)	Fruiting vegetables / cucurbits, spring onion	
	Pyrimethanil [Bayer CropScience] (226)	Blueberry; blackberry; raspberry; cucumber	Blueberry (8); blackberry (3); raspberry (2); cucumber

2015 JMPR - NEW USES AND OTHER EVALUATIONS – PROPOSED SCHEDULE

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Spirotetramat [Bayer CropScience] (234) USA	Avocado; guava; sweet corn US Add ons: Artichoke; blueberry; coffee; cranberry; onion, green onion; pineapple; pomegranate; watercress	Avocado (5); guava (4); sweet corn (7) Artichoke (5); blueberry (11); coffee (5); cranberry (6); onion (12); green onion (5); pineapple (5); pomegranate (4); watercress (3)
	Tebuconazole (189) [Bayer CropScience] USA	China (banana and cucumber); Kenya (common beans); lettuce head – Ginseng (KOREA); US Add-ons:sunflower; asparagus; onion, bulb; onion, green; garlic	Ginseng (6); sunflower (7); asparagus (8); onion, bulb (8); onion, green (3); garlic (9)
	Trifloxystrobin [Bayer CropScience] (213)	Ginseng (KOREA); lentils; chick pea; beans; peas; soya beans	Beans (9); peas (9); soya beans (24); ginseng (6)
Spices [India] Quinalphos (not previously reviewed by JMPR)	Spices [India]	Cardamon – cypermethrin (118); lambda-cyhalothrin (146); profenofos (171); <u>quinalphos</u> ; triazophos (143) Black Pepper – profenofos (171); <u>quinalphos</u> ; ethion (34); triazophos (143) Cumin – phorate (112); profenofos (171); dithiocarbamates (50 and 105); <u>quinalphos</u> Curry leaves – profenofos (171); chorpyrifos (17); cypermethrin (118); methyl parathion (59); triazophos (143); ethion (34); <u>quinalphos</u> .	Monitoring data

2016 JMPR- NEW COMPOUND EVALUATIONS – PRIORITY LIST

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Acibenzolar-S methyl (999) (fungicide) [Syngenta] New Zealand	Acibenzolar-S methyl	Registered	Kiwifruit	Awaiting advice
Cyclaniliprole [Ishihara Sangyo Kaisha] USA (999) (insecticide)	Cyclaniliprole	Not Registered MRLs > LOQ	Potato; broccoli; cabbage; mustard green; brussels sprout; kale; cauliflower; soybean, dried; soybean, immature (with pods); tomato; pepper; apple; pear; cherry; peach; plum; apricot; plum; nectarine; almond hulls; almond; pecan; lettuce, head; lettuce, leaf; spinach; grape; cucumber; muskmelon; summer squash; tea	Potato (8); broccoli (21); cabbage (34); mustard green (5); brussels sprout (6); kale (4); cauliflower (8); soybean, dried (6); soybean, immature (with pods) (3); tomato (53); pepper (36); apple (46); pear (16); cherry (17); peach (24); plum (26); apricot (6); plum (26); nectarine (2); almond hulls (5); almond (5); pecan (5); lettuce, head (9); lettuce, leaf (11); spinach (9); grape (43); cucumber (9); muskmelon (10); summer squash (9); tea (6)
Ethiprole (insecticide) [Bayer CropScience] – Germany (999)	Ethiprole	Registered MRLs > LOQ	Coffee; corn/maize; rice; soybean and food of animal origin	Coffee (15); corn/maize (10); rice (12); soybean (10)
Imazethapyr BASF – USA (999) (herbicide)	Imazethapyr	Registered? Yes MRLs > LOQ? Yes	Alfalfa; canola; clover; corn; lentils; peanut; fresh peas; dry peas; fresh beans; dry beans; rice; soybean; sunflower Canada Rapeseed/canola	Alfalfa (35); canola (11); clover (12); corn (35); lentils (10); peanut (12); fresh peas (22); dry peas; (26); fresh beans (6); dry beans (14); rice (19); soybean (32); sunflower (5); rapeseed/canola (trials?)
isofetamid [Ishihara Sangyo Kaisha] USA (999) (fungicide)	Isofetamid	Not Registered MRLs > LOQ	lettuce; apricot; cherry; peach; plum; grape; strawberry; almond; canola/oilseed rape	Lettuce (49); apricot (8); cherry (8); peach (8); plum (12); grape (40); strawberry (33); almond (5); canola/oilseed rape (24)
MCPB [Nufarm] – USA Herbicide (999)	MCPB	Registered – yes MRLs > LOQ - No	Peas (fresh and dried)	Peas (fresh and dried) – 8 US trials 8 EU trials

2016 JMPR- NEW COMPOUND EVALUATIONS – PRIORITY LIST

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Norflurazon (herbicide) (999) [Syngenta] –USA moved from 2014	Norflurazon	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
Oxathiapiprolin [Du Pont] – USA (fungicide) (999)	Oxathiapiprolin	Registered - No MRLs > LOQ	Grapes; potato; dry bulb onion; green onion; tomato; bell pepper; non-bell pepper; courgette; cucumber; melon; summer squash; cantaloupe; broccoli; cauliflower; head cabbage; lettuce; spinach; succulent peas; ginseng; and tobacco	Grapes (16); potato (40); dry bulb onion (12); green onion (5); tomato (37); bell pepper (12); non-bell pepper (6); courgette (18); cucumber (16); melon (17); summer squash (10); cantaloupe (12); broccoli (6); cauliflower (4); head cabbage (10); lettuce (40); spinach (10); succulent peas (12); ginseng (4); and tobacco (6)
Pinoxaden [Syngenta] Switzerland (herbicide) (999)	Pinoxaden	Registered MRLs > LOQ	Wheat; barley	Wheat (60); barley (60)
Pendimethalin (herbicide) BASF – USA (999)	Pendimethalin	Registered? y MRLs > LOQ? Most	Leafy Lettuce; leafy brassica (mustard greens, kale); alfalfa and grass hay; fresh legumes/dry pulses; citrus; tree nuts; carrot/other root and tuber; bulbs: onion; dry and green onion; asparagus; leeks; celery	Leafy brassica (kale)(7); alfalfa (23); grass hay (12); fresh legumes/dry pulses (21); citrus (13); tree nuts (5); carrot (16); celeriac (5); green onion (3); asparagus (4); leeks (7); celery (11) US Data: Leafy lettuce (9); leafy brassica (mustard greens (9); grass hay (8); citrus (16); tree nuts (23); carrot (10); green onion and onion (13); asparagus (6)
Spiromesifen Germany [Bayer CropScience] (insecticide) (999)	Spiromesifen	Registered MRLs > LOQ	Legume vegetables (beans/peas (dry, succulent, edible podded); leafy vegetables (head lettuce, leaf lettuce, spinach, celery); brassica vegetables (broccoli, cabbage, mustard, green); root and tuber vegetables (potato); fruiting vegetables (tomato, bell pepper, chili pepper); cucurbits (cucumber, melon, summer squash); pulses; (beans dry, peas dry); cereals (wheat, maize, sweet corn, field corn, popcorn); oilseeds (cotton); berries (strawberries); tea, coffee, herbal infusions and cocoa (tea, coffee); tropical fruits (papaya, passion fruit); herbs; rotational crops (alfalfa, barley, oat, sugar beet, bulb vegetables (Welsh / green onions, wheat)	Legume vegetables (27); leafy vegetables (26); brassica vegetables (21); root and tuber vegetables (16); fruiting vegetables (67); cucurbits (34); pulses (19); cereals (88); oilseeds (15); berries (16); tea (8); coffee (10); herbs (5); tropical fruits (9); rotational crops (66)

2016 JMPR - NEW USES AND OTHER EVALUATIONS – PRIORITY LIST

TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Azoxystrobin (229) [Syngenta] - Uganda	Uganda: pineapple (or passion fruit); Tanzania: guava; Egypt or Morocco: olive; Indonesia: dragon fruit (this needs to be moved from 2013 to 2016)	
	Chlorantraniliprole (230)	Philippines – pineapple, Thailand	
	Deltamethrin (135) [Bayer CropSciences] - Canada	Rapeseed/canola - MRL>LOQ	Rapeseed/canola (13 trials)
	Difenoconazole (224) [Syngenta] - Uganda	Uganda: pineapple (or passion fruit); Tanzania: guava; Egypt or Morocco: olive; Indonesia: dragon fruit (this needs to be moved from 2013 to 2016) Paprika; chili pepper (KOREA)	Paprika (6); chili pepper (6)
	Fluensulfone (999) [Makhteshim]	Root tuber; leafy vegetable; brassica vegetable; strawberry; cereal grain; product of animal origin; radish; legume vegetables; tree fruit	
	Flutolanil (205) [Nihon Nohyaku] - USA	Carrot; potato; radish; sugar beet; ginseng	Carrot (9); potato (17); radish (5); sugar beet (12); ginseng (3)
	Imazapic, imazapyr [BASF] Australia	Barley	Barley (xxx)
Moved at request of USA	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)
Propylene oxide [Balchem] (250) – USA - JMPR 2013	Propylene oxide [Balchem] (250)	Tree nuts	Moved at the request of manufacturer
	Pyriproxyfen (200) - Costa Rica	Costa Rica: banana; Peru: avocado; Philippines: papaya; Malaysia/Singapore: mango; Panama: pineapple	

	Spinetoram (233) – Thailand; (Dow AgroSciences USA)	Thailand: mango; Egypt or Morocco: olive; Colombia: avocado; Costa Rica: papaya; Bolivia and Ghana: banana; Senegal: pineapple – NZ – feijoa; passionfruit; avocado; tamarillo US - olives; avocado; papaya; banana; pineapple; mango; cucurbits; pepper; strawberries; plum; cherry; apricot; potato; soybean; corn; tangerine; sweetcorn; kiwi; passion fruit	NZ trials - feijoa (4); passionfruit (4); avocado(4); tamarillo (4). US- Olives (8); avocado (6); papaya (6); banana (6); pineapple (6); mango (6); cucurbits (8); pepper (8); strawberries (8); plum (8); cherry (8); apricot (4); potato (4); soybean (4); corn (4); tangerine (8); sweetcorn (4); kiwi (3); passion fruit (4)
	Spirotetramat (234)	Strawberry; carrot; sugarbeet	Strawberry (10); carrot (24); sugarbeet (19)
Sulfoxaflor (252) [Dow AgroSciences] USA - Re-evaluation of developmental tox, based upon new data.	Sulfoxaflor [Dow AgroSciences] – USA Request for new MRLs, based upon new residue data	Corn, grain; corn, sweet; sorghum, grain; pineapple, cacao, beans, rice, grain; avocado	Corn, field (15); corn, sweet (9); sorghum (9); pineapple (8); cacao (8); rice (12); avocado (5)
	Tolfenpyrad [Nihon Nohyaku] – USA (999)	Almonds; pecans; pistachio; hazelnuts; walnuts; grape (table); raisin; juice (if MRL not included under table grape); apricots; plum; prunes; peach; nectarine; cherry; pear; lemon; lime; grapefruit; tangerine (mandarin); oranges; cantaloupe; cucumbers; summer squash; pumpkin; watermelon; peppers; tomatoes; cabbage; head lettuce; leaf lettuce; celery; spinach; cauliflower; potatoes; cotton seed; and corresponding animal commodities.	Brassica (cole) leafy vegetable: Cabbage (6); cauliflower (6); mustard greens (5); cotton (12); Citrus fruit: Grapefruit (6); lemon (5); orange (12); Fruiting vegetables, cucurbits (cantaloupe (6); cucumber (6); summer squash (5); Fruiting vegetables, other than cucurbits: pepper (9); tomato (12); Berries and other small fruits: Grape (12); raisin (1); Leafy vegetable: Head lettuce (6); leaf lettuce (6); spinach (6); pear (6); Root and tuber vegetables: Potato (16); Stalk and stem vegetables: Celery (6); Stone fruits: Cherry, sweet (6); peach (9); plum (6); prune (dried plum) (2); Tree nuts: Almond (5); pecan (5)

2017 JMPR - NEW COMPOUND EVALUATIONS – PRIORITY LIST				
TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided

2017 JMPR – NEW USES AND OTHER EVALUATIONS – PRIORITY LIST			
TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
	Prothioconazole (232) [Bayer CropScience]	Cotton	Cotton (16)
	Trifloxystrobin (213) [Bayer CropScience]	Cotton	Cotton (12)
	Pirimicarb (101) [Syngenta]	Public health concerns - acute dietary risk– Netherlands – check uses for peach and lettuce based on existing residue data and labels	
	Cypermethrins (118) [BASF], [FMC]	Public health concerns - acute dietary risk– Netherlands – check uses for peach based on existing residue data and labels	

TABLE 2A: SCHEDULE AND PRIORITY LISTS OF PERIODIC REVIEWS – 2014-2018

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”

2014 PERIODIC REVIEW – SCHEDULE (CLOSED)						
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; 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 Coffee; soybean (Brazil) Seed spices [HS 190]; fruit and berry spices [HS 191] (India) US Add-ons: blueberry; peas (shelled / 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) US 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

2014 PERIODIC REVIEW – SCHEDULE (CLOSED)						
TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
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); Cucumber (Canada)	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) Cucumber (5)	1992	0.03 1992	N/A

2015 PERIODIC REVIEW – PROPOSED SCHEDULE						
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 Chili peppers (Thailand) Tomato; mango; papaya (Indonesia REP12/PR, CRD 26) (appears to be no support for animal product CXLs)	Pome fruits (16); cucurbits (edible and inedible peel) (40); grapes (12); berries (8); citrus fruits (24); stone fruits (29); strawberries (30); hops (18); leafy vegetables (lettuce, spinach, endive, celery) (22); tree nuts (almond, walnut) (15); bean (28); coffee (5); cotton (8); fruiting vegetables (tomato, aubergine, pepper, sweet pepper) (40); avocado (5); papaya (4); mango (5); bulb vegetables (leek, onion, shallots, spring onion) (20); rice (6); celery (7); roots and tuber vegetables (27)	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) USA Arysta LifeScience	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 - US Add on: Coffee All CXLs supported	Apple (38); barley (41); barley straw and fodder; blueberries; cantaloupe; cherries (15); chili peppers (dry); cotton seed (59); dried grapes; figs (6); grapes (43); hazelnuts; olives (8); peppers; persimmon (4); pineapple (17); rye (9); rye straw and fodder; tomato (38); walnuts; wheat (42); Coffee (5 trials)	1994	0.05 1997	0.05 2002
Lindane (48)	Lindane (48)	Review of monitoring data with a view to converting MRLs to EMRLS.				

2015 PERIODIC REVIEW – PROPOSED SCHEDULE						
TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Penconazole (182) [Syngenta] Moved at request of manufacturer	Penconazole (182)	Pome fruit; stone fruit; grapes; cane berries; bush berries; strawberries; fruiting vegetables other than cucurbits; fruiting vegetables cucurbits, globe artichokes (appears to be no support for animal product CXLs)	Apples/Pears (18); peach (12); cherries (4); grapes (16); raspberry/Blackberry (4); currants (4); gooseberry (4); strawberry (29); tomatoes/aubergines (20); peppers (12); cucumbers/gherkins (24); melons (23); globe artichokes (8)	1992	0.03 1992	N/A
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 – Grapes; tomatoes; potatos; lettuce; oranges; strawberries; broccoli; cauliflower; head cabbage; onion Supervised trials by Thailand – pineapples	Grapes (21); tomatoes (20); potatos (16); lettuce (10); oranges (4); strawberries (8); broccoli (8); cauliflower (4); head cabbage (4); onion (8) Thailand has agreed to provide field trials – pineapples	2004	0.08 2004	NR 2004

2016 PERIODIC REVIEW – 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] EU – public health concerns	Imazalil (110)	Awaiting advice	Awaiting advice	1994R, 2005T	0.03 2001	0.05 2005
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)	<u>BASF Trials:</u> Almond (6); hazelnut (4); cherry (9); peach (22); plums (18); grapes, table & wine (38); strawberry (28); raspberry (6); currants, red, black, white (9); carrots (34); onion, bulb (17); onion, spring (10); tomato (18); pepper (8); cucumber (21); cucurbits w inedible peel (8); cauliflower (18); Brussel sprouts (8); Chinese cabbage (12); lettuce (38); witloof (4); beans, fresh w pods (15); peas, fresh w/o pods (16); asparagus (4); peas, dry (19); rapeseed (12); rice (8) <u>FMC Trials:</u> Almonds (4); barley (13); blackberries (8); broccoli (4); carrot (12); cherry (5); lettuce, leaf (12); peach (9); raspberries, red/black (8); rice, husked (18); Spices, seeds (4); spices, roots & rhizomes (4); apricots (8); artichoke (4); banana (8); bean, succulent - lima and snap (12); Brassica, head and stem vegetables (12); coffee (6); eggplant (8); mandarins (8); mango (4); melon (12); pea (12); peanut (12); plum (12); potato (16); soybean (12); wheat (16)	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 REVIEW – PRIORITY LIST

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Tolclofos-methyl (191) [Sumitomo Chemical]	Tolclofos-methyl (191)	Lettuce head; lettuce leaf; potato; radish	Await advice	1994	0.07 1994	N/A
Fenpyroximate (193) [Nihon Nohyaku]	Fenpyroximate (193)	Awaiting advice on commodities US Add-ons: potato; bean (snap); melons; cucumber; stone fruit; avocado; mint	US 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
Oxamyl (126) [Dupont]	Oxamyl (126)	No details – awaiting advice	Awaiting advice	1986R 2002T	0.009 2002	0.009 2002
Dithiocarbamates (105) Netherlands - public health concerns [Taminco]	Dithiocarbamates (105)	Await advice on commodities to be supported	Residue definition applies to all DTC – propineb; mancozeb; ferbam; ziram; thiram; maneb; metiram; zineb	1996T, 1993R, (2004 propineb)	Range of group ADIs	Interim ARfD propineb 0.1 mg/kg 1995

2018 PERIODIC REVIEW – PRIORITY LIST

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Bromopropylate (70) [Syngenta] Not supported by the manufacturer Concern Form lodged	Bromopropylate (70)	<i>The active substance was first included in 1973 and re-evaluated in 1993, but not since. In the evaluation of 1993 an ADI was set at 0.03 mg/kg bw/d but no ARfD.</i> <i>Since no ARfD was ever set and data for evaluation are missing (supervised field trials, processing studies), the MRLs should be re-evaluated after 41 years</i>	<i>Since in 1993 it was not yet common practice to set an ARfD, EFSA used the ADI to assess the acute effects in the short term intake. A risk assessment was performed using the EFSA PRIMo including the existing CXLs for citrus fruits, pome fruits and grapes. The highest chronic exposure was calculated for the German child, representing 124% of the ADI. Since there were no supervised field trials complying with the critical GAP or reliable processing studies, the intake could not be further refined.</i> <i>The acute intake assessment (using the ADI-value) shows exceedance of the toxicological reference value for citrus fruits (884% for oranges, 594% for grapefruit, 371% for mandarins, 230% for lemons, and 134% for limes), pome fruits (653% for apples, 607% for pears), table grapes (437%) and wine grapes (158%).</i> <i>For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/1640.pdf.</i>	1993	0.03 - 1993	N/A
Fenarimol (192) [Gowan] Not supported by the manufacturer Concern form lodged	Fenarimol	<i>Fenarimol was first included as active substance in 1995. The ADI was set at 0.01 mg/kg bw/d. The COM set an ADI of 0.01 mg/kg bw/d in 2007 as well as an ARfD of 0.02 mg/kg bw/d.</i> <i>Since the JMPR hasn't evaluated the active substance in 19 years whereas now an ARfD-value is available it is proposed to re-evaluate all MRLs.</i>	<i>An ADI- and ARfD-value were derived in a peer-review under 91/414/EEC. EFSA identified in the acute risk assessment for children a possible risk for peppers (157.4%), peaches (148.3%), apples (146.9%), tomatoes (145.4%), pears (136.6%) and bananas (125.4%). A refined calculation was carried out using the HR.</i> <i>For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/161r.pdf.</i>	1995	0.01 - 1995	N/A
Flumethrin (195) [Bayer CropScience]	Flumethrin (195)	Cattle milk; cattle meat		1996	0.004, 1996	N/A
Hydrogen phosphide, (zinc and aluminium salts) (46)	Hydrogen phosphide (46)	No Croplife manufacturer responsible	Support unknown, Last reviewed over 40 years ago	1971	NR	N/A
Dichlofluanid (82) – [Bayer CropScience]	Dichlofluanid (82)	No longer supported by manufacturer	No longer supported by manufacturer, Last reviewed over 30 years ago	1983	0.3 - 1983	N/A

<p>Methidathion (51) [Syngenta] Not supported by the manufacturer Concern form lodged</p>	<p>Methidathion (51)</p>	<p><i>The active substance has been re-evaluated for residues (after it's first inclusion in 1972) in 1992. An ARfD was derived in the toxicological re-evaluation in 1997.</i></p> <p><i>As a consequence of this ARfD a couple of MRLs are not safe for consumers. Due to the fact that no periodic re-evaluation of residues took place in 42 years it is proposed to carry out a new evaluation.</i></p>	<p>The JMPR has established an ADI of 0.001 mg/kg bw/d and an ARfD of 0.01 mg/kg bw/d in 1997.</p> <p>A risk assessment was performed using the EFSA PRIMo including all MRLs that were considered relevant for international trade. The ADI was exceeded for 25 European diets with the highest exposure representing 2392% of the ADI. Citrus fruits, olives for oil production and milk were shown to be the main contributors.</p> <p>Citrus fruits also exceeded the ARfD (up to 6631%)</p> <p>A second exposure calculation delete the existing MRLs for citrus fruits, pome fruits and sunflower seeds still showed an that the ADI for 5 European diets was exceeded (up tp 301%)</p> <p><i>For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/1639.pdf.</i></p>	<p>1992</p>	<p>0.001 - 1997</p>	<p>0.01 - 1997</p>
<p>Permethrin (120)</p>	<p>Permethrin (120)</p>	<p>Not supported by manufacturer</p>	<p>Not supported by manufacturer Last reviewed over 25 years ago</p>	<p>1987</p>	<p>0.05 - 1999</p>	<p>NR - 1999</p>
<p>(Methyl bromide) Bromide ion (47)</p>	<p>Bromide ion (47)</p>	<p>No Croplife manufacturer responsible</p>	<p>support unknown Last reviewed over 25 years ago</p>	<p>1988</p>	<p>1.0 - 1988</p>	<p>N/A</p>

TABLE 2B: PERIODIC REVIEW 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 Table 2b awaiting advice on supporting data packages and/or an indication of manufacturer/member country support.

TOXICOLOGY	RESIDUE	Issue – Commodities supported	Comments	Previous evaluation	ADI	ARfD
Fenbutatin oxide (109) [BASF]	Fenbutatin oxide (109)	No longer supported by manufacturer 4 year rule (member country ????)	No longer supported by manufacturer	1992	0.03 - 1992	N/A
	Azinphos-methyl (002) [Makhteshim – Agan] ??	Support unknown	Support unknown	2007	0.03 - 2007	0.1 - 2007
Tecnazene (115)	Tecnazene (115)	Support unknown	support unknown	1994	0.02 - 1994	N/A
Fenthion (39) [Bayer CropScience]	Fenthion	Not supported by the manufacturer	Not supported by the manufacturer	1995	0.007 - 1995	0.01 - 1997
Dinocap (87) [Dow AgroSciences]	Dinocap (87)	Not supported by the manufacturer	Not supported by the manufacturer t	1998	0.008 - 1998	0.008 WCBA 0.03 general
Bioresmethrin (93) previously Sumitomo Chemical	Bioresmethrin (93)	Not supported by the manufacturer	Not supported by the manufacturer	1991	0.03 - 1991	N/A
	Aldicarb (117) [Bayer CropScience]	Not supported by the manufacturer	Not supported by the manufacturer	1995	0.003 - 1992	0.003 - 1995
Diazinon (22) [Makhteshim–Agan]	Diazinon (22)	Awaiting advice on commodities		1996	0.005 - 2006	0.03 - 2006
Phosalone (60) [Cheminova]	Phosalone (60)	Awaiting advice on commodities	Durian (Thailand)	1997	0.02 - 1997	0.3 - 2001
Quintozene (64) [Crompton – AMVAC]	Quintozene	Awaiting advice on commodities		1995	0.01 - 1995	N/A
Disulfoton (74) –	Disulfoton (74)	Awaiting advice on commodities	Support from USA	1996	0.0003 - 2006	0.003 - 2006

TOXICOLOGY	RESIDUE	Issue – Commodities supported	Comments	Previous evaluation	ADI	ARfD
[Bayer CropScience]			Confirmation of support is required			
Carbofuran (96) FMC Corporation	Carbofuran	Awaiting advice on commodities		1997	0.001 - 1996	0.001 - 2009
Amitraz (122) – [Arysta Lifesciences]	Amitraz (122)	Awaiting advice on commodities	Await further advice	1998	0.01 - 1998	0.01 - 1998
Carbosulfan (145) [FMC Corporation]	Carbosulfan	Awaiting advice on commodities	Asparagus; egg plant (Thailand)	1997	0.01 (1986)	0.02 (2003)
Fenbuconazole (197) [Dow AgroSciences]	Fenbuconazole	Awaiting advice on commodities	Awaiting advice on commodities	1997	0.03 (1997)	0.2 (2012)
Kresoxim-methyl (199) [BASF]	Kresoxim-methyl	Awaiting advice on commodities		1998	0.4 (1998)	NR (1998)

TABLE 3: RECORD OF PERIODIC REVIEWS

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 reviews	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			
031	Diquat	1970	1993T, 1994R, 2013			Syngenta
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			

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
095	Acephate	1976	2005T, 2003R			
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
112	Phorate	1977	2004T, 2005R			
113	Propargite	1977	1999T, 2002R			
118	Cypermethrin	1979	2006T, 2008R			
119	Fenvalerate	1979	2012			Sumitomo Chemical
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	1984	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	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			
172	Bentazone	1991	2012T, 2004T(ARfD), 2013			BASF

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
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
180	Dithianon	1992	2010T, 2013R			
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)			
185	Fenpropathrin	1993	2012T		2014	Sumitomo Chemical
116	Triforine	1977	1997T	2014	2014	Support from Sumitomo Co.
181	Myclobutanil	1992	None	2014	2014	Support from Dow AgroSciences
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
182	Penconazole	1992	None	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
105	Dithiocarbamates - incl propineb, ferbam, ziram	1965	1993R, 1996T ferbam, ziram, 2004 propineb	2017	2017	Individual DTCs are evaluated, propineb 2004, ferbam/ziram 1996
126	Oxamyl	1980	2002	2017	2017	Dupont
191	Tolclofos-methyl	1994	None	2017	2017	Sumitomo Chemical
193	Fenpyroximate	1995	2007T(ARfD)	2017	2017	Nihon
046	Hydrogen phosphide	1965	1966T	2018	2018	Support unknown
047	Bromide ion	1968	1988T	2018	2018	Support unknown
082	Dichlofluanid	1969	1983T	2018	2018	Not supported by manufacturer
120	Permethrin	1979	1999T	2018	2018	Not supported by manufacturer
195	Flumethrin	1996	None	2018	2018	Bayer CropScience

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
002	Azinphos-methyl	1965	2007T	Listed-not scheduled	Listed-not scheduled	Makhteshim
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	Not supported by manufacturer
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
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	
109	Fenbutatin oxide	1977	1992T, 1993R	Listed-not scheduled	Listed-not scheduled	Not supported by BASF
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
122	Amitraz	1980	1998T	Listed-not scheduled	Listed-not scheduled	Arysta Lifesciences
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	
200	Pyriproxyfen	1999	None	Never scheduled	Never scheduled	
202	Fipronil	2000/2001	None	Never scheduled	Never scheduled	BASF
203	Spinosad	2001	None	Never scheduled	Never scheduled	
204	Esfenvalerate	2002	None	Never scheduled	Never scheduled	
205	Flutolanil	2002	None	Never scheduled	Never scheduled	
206	Imidacloprid	2001	None	Never scheduled	Never scheduled	
207	Cyprodinil	2003	None	Never scheduled	Never scheduled	
208	Famoxadone	2003	None	Never scheduled	Never scheduled	
209	Methoxyfenozide	2003	None	Never scheduled	Never scheduled	
210	Pyraclostrobin	2003	None	Never scheduled	Never scheduled	
211	Fludioxonil	2004	None	Never scheduled	Never scheduled	
212	Metalaxyl-M	2002	None	Never scheduled	Never scheduled	
213	Trifloxystrobin	2004	None	Never scheduled	Never scheduled	
214	Dimethenamid-P	2005	None	Never scheduled	Never scheduled	
215	Fenhexamid	2005	None	Never scheduled	Never scheduled	
216	Indoxacarb	2005	None	Never scheduled	Never scheduled	

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
217	Novaluron	2005	None	Never scheduled	Never scheduled	
218	Sulfuryl fluoride	2005	None	Never scheduled	Never scheduled	
219	Bifenazate	2006	None	Never scheduled	Never scheduled	
220	Aminopyralid	2007	None	Never scheduled	Never scheduled	
221	Boscalid	2006	None	Never scheduled	Never scheduled	
222	Quinoxifen	2006	None	Never scheduled	Never scheduled	
223	Thiacloprid	2006	None	Never scheduled	Never scheduled	
224	Difenoconazole	2007	None	Never scheduled	Never scheduled	
225	Dimethomorph	2007	None	Never scheduled	Never scheduled	
226	Pyrimethanil	2007	None	Never scheduled	Never scheduled	
227	Zoxamide	2007	None	Never scheduled	Never scheduled	
229	Azoxystrobin	2008	None	Never scheduled	Never scheduled	
230	Chlorantraniliprole	2008	None	Never scheduled	Never scheduled	
231	Mandipropamid	2008	None	Never scheduled	Never scheduled	
232	Prothioconazole	2008	None	Never scheduled	Never scheduled	
233	Spinetoram	2008	None	Never scheduled	Never scheduled	
234	Spirotetramat	2008	None	Never scheduled	Never scheduled	
235	Fluopicolide	2009	None	Never scheduled	Never scheduled	
236	Metaflumizone	2009	None	Never scheduled	Never scheduled	
237	Spirodiclofen	2009	None	Never scheduled	Never scheduled	
238	Clothianidin	2010	None	Never scheduled	Never scheduled	
239	Cyproconazole	2010	None	Never scheduled	Never scheduled	
240	Dicamba	2010	None	Never scheduled	Never scheduled	
241	Etoxazole	2010	None	Never scheduled	Never scheduled	
242	Flubendiamide	2010	None	Never scheduled	Never scheduled	
243	Fluopyram	2010	None	Never scheduled	Never scheduled	
244	Meptyldinocap	2010	None	Never scheduled	Never scheduled	
245	Thiamethoxam	2010	None	Never scheduled	Never scheduled	
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	

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
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
261	Benzovindiflupyr	2013	None	Never scheduled	Never scheduled	Syngenta
262	Bixafen	2013	None	Never scheduled	Never scheduled	Bayer CropScience
263	Cyantraniliprole	2013	None	Never scheduled	Never scheduled	DuPont
264	Fenamidone	2013/14	None	Never scheduled	Never scheduled	Bayer CropScience
265	Fluensulfone	2013/14	None	Never scheduled	Never scheduled	Makhteshim
266	Imazapic	2013	None	Never scheduled	Never scheduled	BASF
267	Imazapyr	2013	None	Never scheduled	Never scheduled	BASF
268	Isoxaflutole	2013	None	Never scheduled	Never scheduled	Bayer CropScience
269	Tolfenpyrad	2013	None	Never scheduled	Never scheduled	Nihon Nohyaku
270	Triflumizole	2013	None	Never scheduled	Never scheduled	Nippon Soda
271	Trinexapac	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	?

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
999	Pyriproxyfen	2015	None	Never scheduled	Never scheduled	Nihon Nohyaku
999	Quinclorac	2015	None	Never scheduled	Never scheduled	BASF
999	Norfluzuron	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	

TABLE 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)