codex alimentarius commission

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

WORLD HEALTH ORGANIZATION

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**Agenda Item 12** **CX/PR 10/42/14-Add.1**
**March 2010**

**JOINT FAO/WHO FOOD STANDARDS PROGRAMME**

**CODEX COMMITTEE ON PESTICIDE RESIDUES**
**Forty-second Session**
**Xian, China, April 2010**

# ESTABLISHMENT OF CODEX PRIORITY LISTS OF PESTICIDES[1]

(Prepared by Australia)

## A. TENTATIVE SCHEDULE 2010-2017

1. The tentative schedule for evaluations and re-evaluations by the FAO/WHO JMPR is shown at Appendix 1. Information regarding the tentative schedule is provided below. Members and observers are invited to comment on the schedule and the associated issues noted for consideration. Nominations and requested amendments received between in the period August to November 2009 are in bold italicised text for your convenience.

## B. NEW COMPOUNDS

**2.** Twelve new compounds have been nominated for inclusion on the tentative schedule (Appendix 1) for 2011 (11) and 2012 (1).

**2010:**

3. In accordance with a decision taken at the 41st session of CCPR, final consideration of the schedule for 2010 was made at that meeting and thus the 2010 schedule was closed in regard to the addition of new chemicals. However, as clarified in discussions with the Electronic Working Group on Minor Uses and Specialty Crops, the 2010 schedule was not closed in regard to the addition of commodities for chemicals listed for 2010 JMPR evaluation until the JMPR 'List of Substances Scheduled for Evaluation and Request for Data' was issued during October 2009.

**2011:**

4. Eleven new chemicals have been nominated for inclusion on the 2011 tentative schedule. The chemicals (dinotefuran, chlorfenapyr, penthiopyrad, isopyrazam, saflufenacil, propylene oxide, fluxapyroxad, flutriafol, cyantraniliprole, ametoctradin, acetamiprid) are in addition to the four chemicals (MCPA, emamectin-benzoate, clopyralid, ethaboxam) nominated at or prior to CCPR41. The latter three chemicals were moved from the 2010 schedule at CCPR41 following discussions between relevant manufacturers and nominating countries. These decisions were taken to ensure the number of new chemical

[1] This is a final document, prepared by Australia on the basis of comments received by 1 Mach 2010

evaluations and chemicals due for periodic evaluation were commensurate with JMPR evaluator resources (approximately 10 chemicals).

5. Again for the 2011 tentative schedule, the number of chemicals listed for new chemical evaluation and periodic re-evaluation is well beyond the capacity of the JMPR. At CCPR41, it was agreed the four chemicals (MCPA, emamectin-benzoate, clopyralid, ethaboxam) should be given priority for the 2011 schedule and not be moved. Any change to the periodic re-evaluation schedule will have a significant impact on subsequent years' schedules and therefore should not be considered, notwithstanding CCPR has previously decided that in each year there should be a balance of new and old chemicals scheduled for JMPR evaluation. Therefore, manufacturers and nominating countries for new chemicals nominated for 2011 (dinotefuran, chlorfenapyr, penthiopyrad, isopyrazam, saflufenacil, propylene oxide, fluxapyroxad, flutriafol, cyantraniliprole, ametoctradin, acetamiprid) will need to consider which chemicals can be moved to the 2012 schedule. As was the case for those chemicals moved from the 2010 to the 2011 schedule at CCPR41, chemicals moved from the 2011 to 2012 schedule will be listed as Priority 1 for that year.

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

- note that the tentative placement of eleven new chemicals on the 2011 tentative schedule is beyond the current capacity of the JMPR.

- noting the final number of chemicals listed in the closed 2010 (8 new chemicals and 4 periodic re-evaluations), consider a similar quota for the 2011 JMPR schedule which will result in the need to move 7 to 8 of the eleven chemicals listed in paragraph 5 to the 2012 JMPR schedule. Alternatively, consideration will need to be given to increasing JMPR resources to meet the increasing workload resulting from the 'flood' of nominations for new chemical evaluations in the past three years.

**2012**

7. One new chemical sulfoxaflor has been nominated for inclusion on the 2012 tentative schedule.

**Changes to schedule arising from comments to CX/PR 10/42/14-Rev**

8. Following issue of CX/PR 10/42/14-Rev, and receipt of comments, six chemicals (dinotefuran, cyantraniliprole, ametoctradin, fluxapyroxad, clopyralid and ethaboxam) were moved from the 2011 schedule to 2012 and listed as Priority 1.

## C. FOLLOW-UP EVALUATIONS

9. Requests were made for several follow-up evaluations largely for additional MRLs. Further details are provided in Appendix 1. The chemicals added to the evaluation schedule are:

2011: spinosad, pyraclostrobin, glyphosate, flutolanil, spirotetramate, malathion and diflubenzuron

2012: methoxyfenozide, spinetoram, azoxystrobin.

10. Member countries and observers are asked to consider the placement of additional follow-up evaluations to the tentative schedule.

## D. PERIODIC RE-EVALUATIONS

11. Following the annual review of the CCPR chemical list in terms of the fifteen year rule for periodic re-evaluations (Appendix 2), four chemicals [fenarimol, fenpyroximate, fenthion and quintozene] were listed on the tentative schedule for periodic re-evaluation for 2017 (see Appendix 1). There were no other changes to the periodic re-evaluation schedule.

## E. PERIODIC RE-EVALUATIONS – CHEMICALS NO LONGER SUPPORTED

**2009**

12. Although procymidone was subjected to toxicological evaluation by the JMPR [general consideration 1.8 of the 2009 JMPR Report] in response to concerns raised by the EC regarding the ADI and ARfD [Alinorm 08/31/24, para 73], the scheduled periodic re-evaluation for residues was not undertaken by the JMPR in 2009 because the manufacturer has withdrawn support [Alinorm 09/32/24, para 190]. A decision on the status of the procymidone CXLs will need to be made at CCPR42.

**2010**

13. Vinclozolin was not supported by the manufacturer and, as flagged at CCPR41, decisions on retention or revocation of CXLs will need to be taken at CCPR42.

**2011**

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

**2012**

15. There has been no indication from a manufacturer or nominating country indicating support for tecnazene.

**2013-2017**

16. The following chemicals are no longer supported by the manufacturer: dichlofluanid (82), dinocap (87), methidathion (51), bioresmethrin (93) and permethrin (120).

17. Although the manufacturer has indicated no support for metalaxyl (138), Thailand has indicated that it will provide field trials in support of several commodities.

18. The following chemicals are listed as ‘support unknown’: bromide ion (47), bromopropylate (70), diazinon (22), hydrogen phosphide (46), phosalone (60), ethephon (106) and teflubenzuron (190)

19. Member countries and observers are asked to:

- consider the placement of four existing chemicals for periodic re-evaluation on the 2017 tentative schedule;
- note the listed chemicals for which there is no longer manufacturer support and consider whether or not to support these chemicals;
- give clear indications of support for those with information on a new supporting manufacturer and relevant data packages; and
- provide advice to the Chair of the Priorities Electronic Working Group in regard to support for those chemicals which are currently listed as ‘support unknown’.

## Appendix 1: Tentative Schedule

| 2010 JMPR - TOXICOLOGICAL EVALUATIONS<br>CLOSED | 2010 JMPR - RESIDUE EVALUATIONS<br>CLOSED |
|---|---|
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| **dicamba** - USA | **dicamba** [wheat, barley, corn, cottonseed, soybean, sugarcane molasses, asparagus, blueberry] |
| **meptyldinocap** – UK | **meptyldinocap** [Pome fruits, stone fruits, grapes, strawberries, cucurbits with edible and inedible peel] |
| **etoxazole** - USA | **etoxazole** [grape, melons, cucumber, stone fruit, plum, hops, mint, tomato, coffee] |
| **clothianidin –** Japan<br>[dossier to be submitted late 2009] | **clothianidin** [corn, barley, wheat, rye, oilseed rape, lupin, sugar beet, sunflower, rice, cotton, sorghum, potato, poppy, mustard, carrot, cucumber, onion, lettuce, tomato, pepper, squash, cabbage, pome fruit, stone fruit, banana, grape, broccoli, eggplant, soybean, milk, egg, poultry meat] |
| **cyproconazole –** Switzerland<br>[dossier to be submitted November 2009] | **cyproconazole** [Almond, apple, barely, bean, coffee, maize, oat, pea, peanut, rice, sugar beet, soybean, triticale and wheat.] |
| **thiamethoxam -** Switzerland | **thiamethoxam** [Plant origin: aubergine, artichokes, asparagus, avocados, barley, banana, beans, beetroot, berries (blackberry, bush-berry, cranberries, currants, strawberries, others), brassicas (cabbage, broccoli, brussel sprouts, buckwheat, Chinese cabbage, others), carrots, citrus group (grapefruits, lemons, mandarins, oranges, others), cereals (barley, rye, wheat, others) celery, chicory, cocoa, coffee, cotton, cucurbits (cucumber, melon, watermelon, zucchini), fennel, garlic, gingko, ginseng, grapes, guava, hops, kaki, kiwifruit, lettuce, linseed, maize, mango, mushrooms, nuts (almonds, cashew, chestnuts, coconuts, hazelnuts, pistachio, others), onions, papaya, parsley, passion fruit, peanuts, peas, peppermint, peppers, pineapples, pome fruits (apples, pears, others), pomegranates, potatoes, radish, rice, root and tuber vegetables, safflower, salsify, sesame seeds, spinach, soybean, stone fruits (apricots, cherries, nectarines, peach, plums, others), sugar beets, sugarcane, sunflower, tea, tomatoes, watercress. Animal origin: cattle, (fat, kidney, liver, meat), goat, horse (meat), milk, pork (fat, kidney, liver, meat), poultry (meat, eggs), sheep (meat).] |
| **flubendiamide** – Japan<br>dossier to be submitted November 2009 and February 2010] | **flubendiamide** [Apples, pears, apricot, nectarine, peach, cherries, plum, prune, grape (table), raisin, wine (if MRL not included under table grape), almonds, pecans, walnuts, muskmelon, watermelon, cucumbers, summer squash, celery, head lettuce, leaf lettuce, spinach, broccoli, cauliflower, cabbage, mustard greens, tomatoes, peppers, sweet corn, corn, soybean, cotton seed, rice, tea, and corresponding animal commodity MRLs. |
| **fluopyram** - USA<br>**national registrations due in late 2009** | **fluopyram** [Root and tuber vegetables, Bulb vegetables, Leafy vegetables, Brassica (cole) leafy vegetables, Legume vegetables, Fruiting vegetables, Cucurbit vegetables, Citrus fruits, Pome fruits, Stone fruits, Small berries, Grapes, Strawberry, Tree nuts, Cereal grains (except rice), Grasses (forage, fodder, hay), Herbs and spices, Artichoke, Canola/rape, Hops, Peanuts, Sunflower] |

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| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |
| **vinclozolin (159) not supported by the manufacturer – not supported by USA** | **vinclozolin (159) not supported by the manufacturer**<br>**(Decision on CXL revocation at CCPR42 if no support indicated)** |
| **dithianon (028)** | **cadusafos (174)** - banana and potato |
| **tebuconazole (189)** | **bifenthrin (178)** - wheat, barley, corn, potato, hops, rye, sweet potato, brassica group, citrus group, lettuce, fruiting vegetables, cucurbit group, pear, berry group, grape, banana, cottonseed, rapeseed and tea. |
| | **chlorothalanil (081) [USA]** [Barley, rice, triticale, wheat, lupin, soybean, lentil, sugar-beet, artichoke, asparagus, aubergine, bean, broccoli, brussel sprouts, cabbage, carrot, cauliflower, celery, cucumber, pumpkin, garlic, leek, lettuce, melon, onion, pea, peanut, peppers, shallot, spinach, tomato, watermelon, zucchini, sweet corn, potato,banana, blackberry, blueberry, citrus, cranberry, gooseberry, grape, mango, papaya, peach, plum, pome-fruit, apricot, cherry, nectarine, strawberry, cacao, coffee, hop, almond, pistachio, oil seed rape, animal commodities, ginseng, horseradish, okra, persimmon, rhubarb, yam] |
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| **EVALUATIONS** | **EVALUATIONS** |
| | **fenpyroximate (193) –** re-evaluate data for grapes following JMPR recommended new ARfD, (USA – fruiting vegetables, okra, melons, cucumber, citrus fruits, pome fruit, tree nuts, pistachio, hops, mint) |
| | **difenoconazole (224) -** review of alternative GAP (banana – higher MRL (china); additional MRLs (green beans, passion fruit), (USA – tree nuts) |
| | **triazophos (143) -** residue evaluation in edible portion (soybean – immature seeds, Thailand); cereals incl. rice (China) |
| | **endosulfan (32)** - tea green / black (China) |
| | **bifenazate (219) –** - USA - egg plant, tea, citrus fruits, melons, tropical fruits, caneberry, legume vegetables, soybean, peas and beans. |

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| | **chlorantraniliprole (230) [ USA] - brassica vegetables** (broccoli, cabbage (chinese, chinese mustard, green, head, napa, oxhead, pointed, red, savoy, white, yellow), mustard greens, cauliflower, broccoli (chinese), brussel sprouts, cavalo, broccoli, kailan and kohlrabi), tree nuts (almonds, beech nuts, brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts (hazelnuts), hickory nuts, japanese horse-chestnut, java almonds, macadamia nuts, pachira nuts, paradise nuts, pecans, pine nuts, pili nuts, pistachio nuts, sapucaia nuts, tropical almonds, and walnuts), edible-podded beans (bean (phaseolus spp.; includes runner bean, snap bean, wax bean); bean (vigna ssp., includes asparagus bean, chinese longbean, moth bean, yardlong bean); jackbean; soybean (immature seed); sword bean), caneberries (cane fruits - blackberry; loganberry; red and black raspberry; cultivars and/or hybrids of these), strawberries, 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), sweet corn, maize/field corn, rice, mint, alfalfa seed, commodities of animal origin |
| | **fludioxonil (211) –** USA – sweet potato, pomegranate (post harvest) |
| | **novaluron (217) –** USA – turnips green, potato (increase MRL), sweet potato, broccoli, cauliflower, collard greens, mustard greens, tomato (increase MRL), cherry ,p each, plum, blueberry, sugar cane. |
| | **boscalid (221) (USA) –** hops (dried cones) |
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| 2011 JMPR - TOXICOLOGICAL EVALUATIONS | 2011 JMPR - RESIDUE EVALUATIONS |
|---|---|
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| **MCPA** – USA<br>**Nominated in 2008 and agreed at CCPR41** | **MCPA** -Wheat grain, barley grain, peas |
| **emamectin-benzoate -** USA - [dossier to be submitted November 2009] –<br>**PRIORITY 1 – CCPR41 decision to move from 2010** | **emamectin-benzoate** [Grapes, potatoes, pome & stone fruits, tomatoes, eggplants, cucurbits (cucumber, melon, watermelon), lettuce, spinach, pepper, beans & peas, brassicas] |
| **chlorfenapyr - Brazil** | **chlorfenapyr** [cotton seed, beans, papaya, peppers, cabbage, tomato, garlic, onion, corn, melon, tea and potato.] |
| **isopyrazam - Switzerland** | **isopyrazam –** [Wheat, barley, cereals, bananas] |
| **saflufenacil - USA** | **saflufenacil - USA** - soy bean, peas and beans, corn, sorghum, cereals, citrus, pome fruit, stone fruit, almonds, pecan, sunflower, cotton, grape, banana, mango, coffee, sugar cane, canola, animal products |
| **propylene oxide - USA** | **propylene oxide – USA -** tree nuts, cacao, spices and dried fruit |
| **flutriafol – USA** | **flutriafol - USA -** apples, grapes, bananas, soybean, peanut, wheat, coffee |
| **acetamiprid - Japan** | **acetamiprid – Japan –** citrus, pome fruits, stone fruits, grape, strawberries, small fruits and berries, animal commodities |

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| **penthiopyrad - USA** | **penthiopyrad** [Brassica (Cole) Leafy Vegetables – Broccoli, Broccoli (Chinese, gailon), Broccoli Raab (rapini), Brussels Sprouts, Cabbage, Cabbage (Chinese, bok choy), Cabbage (Chinese, napa), Cabbage (Chinese mustard, gai choy), Cauliflower, Cavalo Broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, Turnip Greens, Bulb Vegetables – Chive, Chive (Chinese), Daylily, Elegans Hosta, Fritillaria, Garlic, Garlic (great-headed), Garlic (serpent), Kurrat, Lady's Leek, Leek, Leek (wild), Lily, Onion (Beltsville bunching), Onion (bulb), Onion (Chinese), Onion (fresh), Onion (green), Onion (macrostem), Onion (pearl), Onion (potato), Onion (tree), Onion (Welsh), Shallot, Oilseed – Canola, Sunflower, Cereal grains – Barley, Buckwheat, Corn (field), Corn (sweet), Millet (pearl), Millet (proso), Oats, Popcorn, Rye, Sorghum (milo), Sorghum ssp. (sudangrass and hybrids), Teosinte, Triticale, Wheat, Cotton, Cucurbit vegetables – Chayote, Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (edible; includes hyotan, ucuzza, hechima, Chinese okra), Momordica spp (includes balsam apple, balsam pear, bittermelon, Chinese cucumber), Muskmelon (includes cantaloupe), Pumpkin, Squash (summer), Squash (winter; includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), Watermelon, Fruiting vegetables – Eggplant, Groundcherry, Pepino, Pepper (bell), Pepper (chili), Pepper (pimento), pepper (sweet), tomatillo, tomato, Grape, Leafy vegetables - Amaranth (Chinese spinach), Arugula (roquette), Cardoon, Celery, Celery (Chinese), Celtuce, Chervil, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Corn salad, Cress (garden), Cress (upland), Dandelion, Dock (sorrel), Endive (escarole), Fennel (Florence), Lettuce (head), Lettuce (leaf), Orach, Parsley, Purslane (garden), Purslane (winter), Radicchio (red chicory), Rhubarb, Spinach, Spinach (New Zealand), Spinach (vine), Swiss chard, Legume vegetables (succulent and dried) - Bean (Lupinus; includes - grain lupin, sweet lupin, white lupin, white sweet lupin), Bean (Phaseolus; includes broad bean, field bean, green runner bean, kidney bean, lima bean, navy bean, pinto bean, snap bean, tepary bean, wax bean), Bean (Vigna; includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean), Chickpea (garbanzo), Guar, Jackbean, Lablab bean, Lentil, Pea (Pisum; includes dwarf pea, edible-podded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea), Pigeon pea, Soybean, Soybean (immature seed), Sword bean, Low-growing Berries – Strawberry, Low bush blueberry, Peanut, Pome fruits – Apple, Crab-apple, Loquat, Mayhaw, Pear, Pear (Japanese), Pear (Oriental), Quince, 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), Rutabaga, Salsify, Salsify (black), Salsify (Spanish), Skirret, Sweet potato, Tanier, Turmeric, Turnip, Yam bean, Yam (true), Stone fruits – Apricot, Cherry (sweet), cherry (tart), Nectarine, Peach, Plum, Plum (Chickasaw), Plum (Damson), Plum (Japanese), Plumcot, Prune (fresh), Tree nuts - Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia nut, Pecan, Walnut (black), Walnut (English), Pistachio]. |
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| PERIODIC RE-EVALUATIONS | PERIODIC RE-EVALUATIONS |
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| **diquat (031)** | **diquat (031) –** 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, |
| **etofenprox (184)** | **etofenprox (184) – [awaiting advice on commodities]** |
| **dicofol (026) – no longer supported by the manufacturer** | **dicofol (026) – not supported by the manufacturer – tea and data package to be provided by India** |
| **dichlorvos (025)** | **dithianon (028)** – pome fruit, cherry, grapes, hops, mandarin |
| **fenpropathrin (185)** | **cycloxydim (179)** - Beans (green and dried), brassicae, carrot, grape, leek, lettuce (head and leafy), peas (fresh and dried), potato, rapeseed, strawberry, sugarbeet |
| **fenbutatin oxide (109)** | **tebuconazole (189)** – - artichoke, banana, barley, brassica vegetables, broad bean, citrus, carrot, coffee beans, cucumber, elderberries, garlic, grapes, hops, leek, lettuce head, maize, mango, melons, oats, onion, papaya, peach, peanut, peppers sweet, plums, pome fruit, prunes, rape seed, rice, rye, soya bean, summer squash, sweet corn, tomato, watermelon, wheat. |
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| **EVALUATIONS** | **EVALUATIONS** |
| | **cyfluthrin (157)** - soybean |
| | **cypermethrin (118) – -** citrus fruit, asparagus (Thailand) and tea (India, China) |
| | **acephate (95) –** rice (China) |
| | **profenofos (171) –** chilli pepper, chilli pepper (dry), (Thailand) – note retain 4 year rule |
| | **spinosad (203) – -USA -** cranberry, hops, - revised GAP (blueberries; raspberries, red, black; onion, bulb; tree nuts) |
| | **pyraclostrobin (210) – Germany -** Citrus (grapefruit, orange, lemon, lime, mandarin), stone fruits (apricot, cherry, peach, plum), strawberry, cane fruits (blackberries, dewberries, raspberries), small berries (blueberry, cranberry, currants, gooseberry, rose hip, mulberry, azarole, elderberry), bulb vegetables (garlic, onion, shallot, spring onion), cucurbits - inedible peel (melon, pumpkin, watermelon), oilseeds, oat, sorghum, tropical fruits (e.g. mango, papaya, avocado) |
| **glyphosate (158)** | **glyphosate (158) -** maize grain and soya bean (dry) |

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| | **flutolanil (205)** – leafy brassica, root vegetables, ginseng |
| | diflubenzuron (130) [Chemtura] - artichoke, cottonseed, grapefruit, orange, soybean, soybean hull, tangerine, barley (grain, hay, straw), wheat (forage, hay, straw, grain), brassica leafy greens, stone fruit (except cherry), tree nuts, peanut, pepper, pistachio, pummelo and turnip greens |
| | **malathion (49 ) -** apple, pear, citrus and plum |
| | **spirotetramate (234) – USA -** edible podded bean, edible podded pea, succulent shelled bean, succulent shelled pea, dry bean seed, dries pea seed, soybean seed, tropical fruits, lychee, dried prunes, okra, pistachio, undelinted cotton seed, and onion bulb. If you also like to include a list all of the commodities in the tropical fruits, it includes avocado, birida, black sapote, canistel, cherimoya, custard apple, feijoa, jaboticaba, guava, Ilama, longan, mamey sapote, mango, papaya, passionfruit, persimmon, pulasan, rambutan, sapodilla, soursop, Spanish lime, star apple, starfruit, sugar apple, wax jambu, white sapote |

| 2012 JMPR - TOXICOLOGICAL EVALUATIONS | 2012 JMPR - RESIDUE EVALUATIONS |
|---|---|
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
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| **sulfoxaflor** | **sulfoxaflor -** cereal grains (wheat, barley, rice), soya bean, oilseed rape, cottonseed, pome fruits, stone fruits, citrus fruits, tree nuts, grapes, dried grapes, strawberries, leafy vegetables, fruiting vegetables, cucurbits, brassica vegetables, and bulb vegetables and animal products |
| **dinotefuran – Japan**<br>**PRIORITY 1 –decision to move from 2011** | **dinotefuran** [apple, cabbage, chinese cabbage, citrus, cotton seeds, cruciferous vegetables, cucurbits, eggplant, grape, green soybeans, lettuce, mango, melon, okra, peach, pear, persimmon, potato, rice, soy bean, spinach, sweet peppers, tea, tomato, meat from mammals (other than marine mammals), edible offals (mammalian), milks, |
| **cyantraniliprole – USA**<br>**PRIORITY 1 –decision to move from 2011** | **cyantraniliprole – USA** - 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 |
| **ametoctradin – USA**<br>**PRIORITY 1 –decision to move from 2011** | **ametoctradin – USA -** potato, cucumber, zucchini, melon, tomato, peppers, table and wine grapes, lettuce and lamb's lettuce, brassica vegetables, bulb vegetables and hops |
| **fluxapyroxad – USA**<br>**PRIORITY 1 –decision to move from 2011** | **fluxapyroxad - USA -** Cereals (barley, corn, rice, sorghum and wheat), oilseeds (canola, sunflower, and cottonseed), root and tuber vegetables (potato, carrot, sugar beet), legume vegetables (dry and succulent peas, beans and soybean), Brassica stem and leafy vegetables (broccoli, cauliflower, cabbage), fruiting vegetables (peppers, tomatoes), pome fruit (apple and pear), citrus (orange, grapefruit, lemon), stone fruits (cherry, peach, plum), cucurbits (cucumber, melon, pumpkin, squash), bulb vegetables (onion, garlic), coffee, banana, grapes, mango, papaya and peanuts. |
| **clopyralid** - USA –<br>**PRIORITY 1 – moved from 2010 to 2011 and now to 2012 on request** | **clopyralid** [Hops, pome fruits, stone fruits, cranberry, strawberry, spinach, sugar beets, barley, corn, oats, sorghum, wheat, linseed, rape seed, grass forage] |
| **ethaboxam** – Korea<br>**PRIORITY 1 – moved from 2010 to 2011 and now to 2012 on request** | **ethaboxam** [grape] |
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| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |
| **amitraz (122) –** | **amitraz (122) – [awaiting advice on commodities]** |

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|---|---|
| **bentazone (172)** | **bentazone (172)** - Beans (green and dried), peas (green and dried), cereals, maize, sorghum, onion, peanuts, potato, linseed, meat, milk, eggs. |
| **disulfoton (74)** – support from USA | **disulfoton (74)** – support from USA **[awaiting advice on commodities]** |
| **fenvalerate (119) –** support from USA | **fenvalerate (119)** – support from USA **[awaiting advice on commodities]** |
| **glufosinate-ammonium (175) –** | **glufosinate-ammonium (175)** Citrus fruits, Tree nuts, Almonds hulls, Pome fruits, Stone fruits, Berries and other small fruits (except currants), Currants (Black, Red, White), Banana, Assorted tropical and sub-tropical fruits - inedible peel, Potato, Carrot, Bulb onion, Corn salad, Common bean (pods and/or immature seeds), Asparagus, Broad bean (dry), Common bean (dry), Peas (dry), Rape seed and crude Rape seed oil, Crude, Soya bean (dry), Sunflower seed and crude Sunflower seed oil, Maize grain, Maize fodder, Sugar beet, Tea, Palm oil, Meat (from mammals other than marine mammals), Poultry meat, Edible offal (mammalian), Edible offal of Poultry, Eggs, Milks. |
| **tecnazene (115) –**<br>**[no croplife manufacturer listed as responsible]**<br>**support unknown** | **tecnazene (115) – support unknown** |
| **aldicarb (117) –** | **fenpropathrin (185) – -** 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 |
| | **dichlorvos (025) – [UK] -** cattle (fat, meat, meat byproducts), egg, goat (fat, meat, meat byproducts), horse (fat, meat, meat byproducts), milk, mushroom, poultry ( fat, meat, meat byproducts), raw agricultural commodities, nonperishable, bulk stored regardless of fat content, postharvest, raw agricultural commodities nonperishable, packaged or bagged, containing 6 percent fat or less, postharvest, raw agricultural commodities, nonperishable, packaged or bagged, containing more than 6 percent fat, postharvest, sheep (fat, meat, meat byproducts), tomato |
| | **fenbutatin oxide (109)** - Tree nuts, pome fruit, banana, cherry, citrus fruit, cucumber, grapes, raisins, stone fruit, strawberry, tomato, meat, milk, eggs |
| | |
| **EVALUATIONS** | **EVALUATIONS** |
| | **oxamyl (126) –** residue definitions, methods |
| | **methoxyfenozide –** New GAP for on spinach; alfalfa forage; alfalfa fodder; citrus fruits |
| | **spinetoram –** New GAP for stone fruits; cabbage, head; broccoli; citrus fruits; grapes; dried grapes; onion, bulb; leafy vegetables; broad bean; tree nuts |

| | |
|---|---|
| | **azoxystrobin (229)** [Ginseng and its products] [R of Korea] |
| | |
| **2013 JMPR - TOXICOLOGICAL EVALUATIONS** | **2013 JMPR - RESIDUE EVALUATIONS** |
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| | |
| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |
| **bromide ion (47) – no Croplife manufacturer responsible - support unknown** | **bromide ion (47) – support unknown** |
| **dichlofluanid (82) – - no longer supported** | **dichlofluanid (82) – not supported by the manufacturer** |
| **dinocap (87) – no longer supported** | **dinocap (87) – not supported by the manufacturer** |
| **metalaxyl (138) — no longer supported by the manufacturer** | **metalaxyl (138) – no longer supported by the manufacturer [Syngenta]**<br>**However, note that Thailand has agreed to provide field trials.** |
| **methidathion (51) – no longer supported by the manufacturer** | **methidathion (51) – no longer supported by the manufacturer [Syngenta]** |
| **triforine (116)** | **triforine (116) –** Apple, Blueberries, Brussels sprouts, Cereal grains, Cherries, Common bean, Currants(Black,Rd, White), Fruiting vegetables, Cucurbits, Gooseberry, Peach, Plums(including prunes), Strawberry, Tomato |
| | **aldicarb (117) – -** citrus fruits |
| | |
| **EVALUATIONS** | **EVALUATIONS** |
| | |
| **2014 JMPR - TOXICOLOGICAL EVALUATIONS** | **2014 JMPR - RESIDUE EVALUATIONS** |
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| | |
| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |
| **bromopropylate (70) – support unknown** | **bromopropylate (70) – support unknown - [awaiting advice on commodities]** |
| **diazinon (22) –** | **diazinon (22) – [awaiting advice on commodities]** |

| | |
|---|---|
| **hydrogen phosphide (46) – no croplife manufacturer responsible – support unknown** | **hydrogen phosphide (46) – support unknown -** |
| **myclobutanil (181)** | **myclobutanil (181)** [Dow AgroSciences]- pome fruits, stone fruits, black currant, grapes, strawberry, banana, hops, tomato] |
| **penconazole (182)** | **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 |
| **phosalone (60) – support unknown** | **phosalone (60) – support unknown - [awaiting advice on commodities]** |
| | **azinphos-methyl (002) – support unknown - [awaiting advice on commodities]** |
| | |
| **EVALUATIONS** | **EVALUATIONS** |
| | |
| **2015 JMPR - TOXICOLOGICAL EVALUATIONS** | **2015 JMPR - RESIDUE EVALUATIONS** |
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| | |
| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |
| **abamectin (177)** | **abamectin (177) –** Pome fruits, cucurbits (edible and inedible peel), grapes, citrus fruits, stone fruits, strawberries, hops, leafy vegetables (lettuce, spinach, endive, celery), potato, almond, walnut, bean, coffee, cotton, Fruiting vegetables (tomato, aubergine, pepper, sweet pepper), avocado, papaya, mango, avocado, onion |
| **chlormequat (15)** | **chlormequat (15)** - Cereals, cottonseed, maize, rapeseed, maize fodder, cereals fodder/straw, meat, milk, eggs |
| **clethodim (187)** | **clethodim (187)** (USA) bean, broccoli, cabbage, carrot, cranberry, cucurbits, hops, lettuce, pea, strawberry |

| | |
|---|---|
| **ethephon (106)** | **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, Whest, Wheat straw and fodder, Chicken eggs, Edible offal of cattle, goats, horses, pigs & sheep, Meat of cattle, goats, horses, pigs & sheep, Milk of cattle, goats & sheep, Poultry meat, Poultry, edible offal. |
| **fenpropimorph (188)** | **fenpropimorph (188)** banana, cereals, sugar beet, cereals fodder/straw, meat, milk, eggs |
| **teflubenzuron (190)** | **teflubenzuron (190) –** [apple, orange, coffee, field corn, soybean, sugarcane, sunflower, tomato, melon, broccoli, cauliflower, grape, papaya] |
| | |
| **EVALUATIONS** | **EVALUATIONS** |
| | |
| **2016 JMPR - TOXICOLOGICAL EVALUATIONS** | **2016 JMPR - RESIDUE EVALUATIONS** |
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| | |
| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |
| **bioresmethrin (93) – not supported by manufacturer** | **bioresmethrin (93) – not supported by the manufacturer** |
| **iprodione (111)** | **iprodione (111)** – tree nuts, cereals, beans, (dried), blackberry, broccoli, carrots, cheery, cucumber, grapes, kiwi, lettuce (head and leafy), onion, stone fruit, pome fruit, rapeseed, raspberry, sugar beet, sunflower, tomato, witloof. |
| **permethrin (120) – not supported by the manufacturer** | **permethrin (120) – not supported by the manufacturer** |
| **tolclofos-methyl (191)** | **tolclofos-methyl (191) - [awaiting advice on commodities]** |
| | |
| **EVALUATIONS** | **EVALUATIONS** |
| | |
| **2017 JMPR - TOXICOLOGICAL EVALUATIONS** | **2017 JMPR - RESIDUE EVALUATIONS** |
| **NEW COMPOUNDS** | **NEW COMPOUNDS** |
| | |
| **PERIODIC RE-EVALUATIONS** | **PERIODIC RE-EVALUATIONS** |

| | |
|---|---|
| **fenarimol** | **fenarimol** |
| **fenpyroximate** | **fenpyroximate** |
| **fenthion** | **fenthion** |
| **quintozene** | **quintozene** |
| | |
| **EVALUATIONS** | **EVALUATIONS** |
| | |

## Appendix 2: Periodic Re-evaluations (to be updated after JMPR 2010 data call)

| Code | Chemical | Initial JMPR evaluation | Periodic re-evaluation most recent | Scheduled (Toxicological) | Scheduled (Residues) | notes |
|---|---|---|---|---|---|---|
| 007 | captan | 1963 | 1995T, 2004T(ARfD), 2000R | | | |
| 008 | carbaryl | 1965 | 2001T(ADI, ARfD), 2002R | | | |
| 017 | chlorpyrifos | 1972 | 1999T, 2000R | | | |
| 020 | 2,4-D | 1970 | 1996T, 2001T(ARfD), 1998R | | | |
| 027 | dimethoate | 1965 | 1996T, 2003T(ARfD), 1998R | | | |
| 030 | diphenylamine | 1969 | 1998T, 2001R | | | |
| 032 | endosulfan | 1965 | 1998T, 2006R | | | |
| 035 | ethoxyquin | 1969 | 2005T, 1999R | | | |
| 037 | fenitrothion | 1969 | 2000T, 2007T(ADI, ARfD), 2004R | | | |
| 041 | folpet | 1969 | 1995T, 2007T(ARfD), 1998R | | | |
| 048 | lindane | 1965 | 2002T, 2003R | | | |
| 049 | malathion | 1965 | 1997T, 2003T(ARfD), 1999R | | | |
| 053 | mevinphos | 1965 | 1996T, 1997T(Environmental), 1997R | | | |
| 056 | 2-phenylphenol | 1969 | 1999 | | | |
| 057 | paraquat | 1970 | 2003T, 2004R | | | |
| 059 | parathion-methyl | 1965 | 1995T, 2000R | | | |
| 062 | piperonyl butoxide | 1965 | 1995T, 2001T(ARfD), 2001R | | | |
| 063 | pyrethrins | 1965 | 2003T, 2000R | | | |
| 065 | thiabendazole | 1970 | 1997T(JECFA), 2006T(ARfD), 1997R | | | |
| 067 | cyhexatin | 1970 | 2005T, 2005R | | | |
| 072 | carbendazim | 1973 | 1995T, 2005T(*ARfD)*, 1998R | | | |
| 079 | amitrole | 1974 | 1997T, 1998R | | | |
| 083 | dicloran | 1974 | 1998 | | | |
| 084 | dodine | 1974 | 2000T, 2003R | | | |

| Code | Chemical | Initial JMPR evaluation | Periodic re-evaluation most recent | Scheduled (Toxicological) | Scheduled (Residues) | notes |
|---|---|---|---|---|---|---|
| 085 | fenamiphos | 1974 | 1997T, 2002T(*ARfD)*, 1999R | | | |
| 086 | pirimiphos-methyl | 1974 | 1992T, 2006T(*ARfD)*, 2003R | | | |
| 090 | chlorpyrifos-methyl | 1975 | 2009 | | | |
| 094 | methomyl | 1975 | 2001 | | | |
| 095 | acephate | 1976 | 2005T, 2003R | | | |
| 096 | carbofuran | 1976 | 1996T, 2008T(*ARfD)*, 1997R | | | |
| 100 | methamidophos | 1976 | 2002T, 2003R | | | |
| 101 | pirimicarb | 1976 | 2004 | | | |
| 102 | maleic hydrazide | 1976 | 1996T, 1998R | | | |
| 103 | phosmet | 1976 | 1994T, 2003T(*ARfD)*, 1997R | | | |
| 105 | dithiocarbamates | 1965 | 1996T, 1993R, 2004 propineb | | | Individual dithiocarbamates are evaluated, propineb in 2004, ferbam/ziram (1996) |
| 105 | ferbam | 1965 | 1996T | | | Dithiocarbamates |
| 105 | ziram | 1965 | 1996T | | | Dithiocarbamates |
| 105 | propineb | 1997 | 2004T | | | Dithiocarbamates |
| 110 | imazalil | 1977 | 2000T, 2005T(*ARfD)* | | | |
| 112 | phorate | 1977 | 2004T, 2005R | | | |
| 113 | propargite | 1977 | 1999T, 2002R | | | |
| 118 | cypermethrin | 1979 | 2006T, 2008R | | | |
| 126 | oxamyl | 1980 | 2002 | | | |
| 129 | azocyclotin | 1979 | 2005T, 2005R | | | |
| 130 | diflubenzuron | 1981 | 2001T, 2002R | | | |
| 132 | methiocarb | 1981 | 1998T, 1999R | | | |
| 133 /168 | triadimefon / triadimenol | 1979 | 2004T, 2007R | | | |
| 135 | deltamethrin | 1980 | 2000T, 2002R | | | |
| 142 | prochloraz | 1983 | 2001T, 2004R | | | |
| 143 | triazophos | 1982 | 2002T, 2007R | | | |
| 144 | bitertanol | 1983 | 1998T, 1999R | | | |
| 145 | carbosulfan | 1984 | 2003T, 1997R | | | |
| 146 | cyhalothrin | 1984 | 2004(JECFA) | | | |
| 146 | lambda-cyhalothrin | | 2007T, 2008R | | | |
| 147 | methoprene | 1984 | 2001T 2005R | | | |

| Code | Chemical | Initial JMPR evaluation | Periodic re-evaluation most recent | Scheduled (Toxicological) | Scheduled (Residues) | notes |
|---|---|---|---|---|---|---|
| 148 | propamocarb | 1984 | 2005T, 2006R | | | |
| 149 | ethoprophos | 1983 | 1999T, 2004R | | | |
| 151 | dimethipin | 1985 | 1999T, 2004T(*ARfD)*, 2001R | | | |
| 155 | benalaxyl | 1986 | 2005T, 2009R | | | |
| 156 | clofentezine | 1986 | 2005T, 2007R | | | |
| 157 | cyfluthrin | 1986 | 2006T, 2007R | | | |
| 158 | glyphosate | 1986 | 2004 | | | |
| 160 | propiconazole | 1987 | 2004T, 2007R | | | |
| 162 | tolylfluanid | 1988 | 2002 | | | |
| 165 | flusilazole | 1989 | 2007 | | | |
| 166 | oxydemeton-methyl | 1989 | 2002T, 1998R | | | |
| 167 | terbufos | 1989 | 2003T | | | |
| 169 | cyromazine | 1990 | 2006T, 2007R | | | |
| 171 | profenofos | 1990 | 2007T, 2008R | | | |
| 173 | buprofezin | 1991 | 2008 | | | |
| 176 | hexythiazox | 1991 | 2008T, 2009R | | | |
| 194 | haloxyfop | 1995 | 2006T, 2009R | | | |
| 195 | flumethrin | 1996 | none | | | |
| 196 | tebufenozide | 1996 | 2003T(*ARfD)* | | | |
| 197 | fenbuconazole | 1997 | none | | | |
| 199 | kresoxim-methyl | 1998 | none | | | |
| 200 | pyriproxyfen | 1999 | none | | | |
| 201 | chlorpropham | 2000 | 2005T(ADI, *ARfD)* | | | |
| 202 | fipronil | 1997 | 2000T, | | | |
| 203 | spinosad | 2001 | none | | | |
| 204 | esfenvalerate | 2002 | none | | | |
| 205 | flutolanil | 2002 | none | | | |
| 206 | imidacloprid | 2001 | none | | | |
| 207 | cyprodinil | 2003 | none | | | |
| 208 | famoxadone | 2003 | none | | | |
| 209 | methoxyfenozide | 2003 | none | | | |
| 210 | pyraclostrobin | 2003 | none | | | |
| 211 | fludioxonil | 2004 | none | | | |
| 212 | metalaxyl-M | 2002 | none | | | |
| 213 | trifloxystrobin | 2004 | none | | | |
| 214 | dimethenamid-P | 2005 | none | | | |

| Code | Chemical | Initial JMPR evaluation | Periodic re-evaluation most recent | Scheduled (Toxicological) | Scheduled (Residues) | notes |
|---|---|---|---|---|---|---|
| 215 | fenhexamid | 2005 | none | | | |
| 216 | indoxacarb | 2005 | none | | | |
| 217 | novaluron | 2005 | none | | | |
| 218 | sulfuryl fluoride | 2005 | none | | | |
| 219 | bifenazate | 2006 | none | | | |
| 220 | aminopyralid | 2007 | none | | | |
| 221 | boscalid | 2006 | none | | | |
| 222 | quinoxyfen | 2006 | none | | | |
| 223 | thiacloprid | 2006 | none | | | |
| 224 | difenoconazole | 2007 | none | | | |
| 225 | dimethomorph | 2007 | none | | | |
| 226 | pyrimethanil | 2007 | none | | | |
| 227 | zoxamide | 2007 | none | | | |
| 229 | azoxystrobin | 2008 | none | | | |
| 230 | chlorantraniliprole | 2008 | none | | | |
| 231 | mandipropamid | 2008 | none | | | |
| 232 | prothioconazole | 2008 | none | | | |
| 233 | spinetoram | 2008 | none | | | |
| 234 | spirotetramat | 2008 | none | | | |
| 235 | fluopicolide | 2009 | none | | | |
| 236 | metaflumizone | 2009 | none | | | |
| 237 | spirodiclofen | 2009 | none | | | |
| 136 | procymidone | 1981 | 2007T | | 2009 | **Not supported by manufacturer** |
| 002 | azinphos-methyl | 1965 | 2007T | | 2014 | **support** |
| 081 | chlorothalonil | 1974 | 2009T | | 2010 | |
| 174 | cadusafos | 1991 | 2009T | | 2010 | support |
| 178 | bifenthrin | 1992 | 2009T | | 2010 | support |
| 179 | cycloxydim | 1992 | 2009T | | 2010 | support |
| 159 | vinclozolin | 1992 | 1995 | 2010 | 2010 | support |
| 109 | fenbutatin oxide | 1977 | 1992T, 1993R | 2010 | 2011 | support |
| 180 | dithianon | 1992 | none | 2010 | 2011 | support |
| 189 | tebuconazole | 1994 | none | 2010 | 2011 | support |
| 026 | dicofol | 1968 | 1992 | 2011 | 2011 | **Not supported by manufacturer** |
| 031 | diquat | 1970 | 1993T, 1994R | 2011 | 2011 | support |
| 184 | etofenprox | 1993 | none | 2011 | 2011 | support |
| 025 | dichlorvos | 1965 | 1993 | 2011 | 2012 | support |
| 185 | fenpropathrin | 1993 | none | 2011 | 2012 | support |

| Code | Chemical | Initial JMPR evaluation | Periodic re-evaluation most recent | Scheduled (Toxicological) | Scheduled (Residues) | notes |
|---|---|---|---|---|---|---|
| 074 | disulfoton | 1973 | 1996T(ARfD) | 2012 | 2012 | support |
| 115 | tecnazene | 1974 | 1994T | 2012 | 2012 | **support unknown** |
| 119 | fenvalerate | 1979 | 1986T | 2012 | 2012 | Support |
| 122 | amitraz | 1980 | 1998T | 2012 | 2012 | support |
| 172 | bentazone | 1991 | 1998T, 2004T(ARfD) | 2012 | 2012 | support |
| 175 | glufosinate-ammonium | 1991 | 1999T | 2012 | 2012 | support |
| 117 | aldicarb | 1979 | 1992T, 1995T(ARfD), 1994R | 2012 | 2013 | Support |
| 047 | bromide ion | 1968 | 1988T | 2013 | 2013 | **support unknown** |
| 051 | methidathion | 1972 | 1997T, 1992 | 2013 | 2013 | **Not supported** |
| 082 | dichlofluanid | 1969 | 1983T | 2013 | 2013 | **Not supported by manufacturer** |
| 087 | dinocap | 1969 | 1998T, 2000T(ARfD) | 2013 | 2013 | **Not supported by manufacturer** |
| 116 | triforine | 1977 | 1997T | 2013 | 2013 | support from Sumitomo Co. |
| 138 | metalaxyl | 1982 | 2002T | 2013 | 2013 | Review in 2004 for residues was for evaluation of metalaxyl-M Support from USA - Supervised trials by Thailand |
| 022 | diazinon | 1965 | 2006T, 1993 | 2014 | 2014 | support |
| 046 | hydrogen phosphide | 1965 | 1966T | 2014 | 2014 | **support unknown** |
| 060 | phosalone | 1972 | 1997T, 2001T(ARfD), 1994R | 2014 | 2014 | **support unknown** |
| 070 | bromopropylate | 1973 | 1993 | 2014 | 2014 | **support unknown** |
| 181 | myclobutanil | 1992 | none | 2014 | 2014 | support |
| 182 | penconazole | 1992 | none | 2014 | 2014 | support |
| 015 | chlormequat | 1970 | 1997T, 1999T(ARfD) 1994 | 2015 | 2015 | support |
| 106 | ethephon | 1977 | 1997T, 2002T(ARfD), 1994R | 2015 | 2015 | support |
| 177 | abamectin | 1992 | 1997T | 2015 | 2015 | support |
| 187 | clethodim | 1994 | 1999T(ARfD) | 2015 | 2015 | support |
| 188 | fenpropimorph | 1994 | 2004T(ARfD) | 2015 | 2015 | support |
| 190 | teflubenzuron | 1994 | none | 2015 | 2015 | **support unknown** |
| 093 | bioresmethrin | 1975 | 1991T, none | 2016 | 2016 | **not supported by manufacturer** |
| 111 | iprodione | 1977 | 1995T, 1994R | 2016 | 2016 | support |
| 120 | permethrin | 1979 | 1999T | 2016 | 2016 | **not supported by manufacturer** |
| 191 | tolclofos-methyl | 1994 | none | 2016 | 2016 | support |
| 039 | fenthion | 1971 | 1995, 1997T(ARfD) | 2017 | 2017 | |
| 064 | quintozene | 1969 | 1995 | 2017 | 2017 | |

| Code | Chemical | Initial JMPR evaluation | Periodic re-evaluation most recent | Scheduled (Toxicological) | Scheduled (Residues) | notes |
|---|---|---|---|---|---|---|
| 192 | fenarimol | 1995 | none | 2017 | 2017 | |
| 193 | fenpyroximate | 1995 | 2007T(ARfD) | 2017 | 2017 | |

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

| Code | Chemical | comment |
|---|---|---|
| 49 | malathion | Apple, citrus, grapes (EU GAP no longer supported by EU) |

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

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