



JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

49th Session

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ESTABLISHMENT OF THE CODEX SCHEDULES AND PRIORITY LISTS OF PESTICIDES

(prepared by Australia)

A. SCHEDULES AND PRIORITY LISTS 2018-2021

1. The Appendix includes CCPR Schedules and Priority Lists of Pesticides (Tables 1-4) as specified in the Codex Alimentarius Commission Procedural Manual "Risk Analysis Principles Applied by the Codex Committee on Pesticide Residues".
2. Amendments to the CCPR Schedules and Priority Lists outlined in the report of the 48th session of the CCPR (CCPR48) (REP16/PR, Appendix XII), following comments received after the 39CAC approved on-going work on priority setting, are shown in red text. Every effort is made to accurately record nominations lodged during this period. As this is a working document, amendments can be made without delay should errors be identified.
3. The 2017 CCPR Schedule of JMPR Evaluations is closed but included at this stage for reference only.
4. To assist consideration of scheduling for 2018, the proposed 2018 CCPR Schedule of JMPR Evaluations is extracted from Tables 1 and 2A and appears after the 2017 Schedule (closed). The Proposed 2018 Schedule includes 15 compounds for new compound evaluation, 54 compounds for new uses and other evaluations and 5 compounds for periodic review.

The expected workload far exceeds available JMPR resources.

5. The 2019 CCPR Priority List of JMPR Evaluations as shown in Table 1 and Table 2A includes 8 compounds for new compound evaluation, 19 compounds for new uses and other evaluations and 8 compounds for periodic review.

The expected workload exceeds available JMPR resources.

6. Table 1 also includes 3 nominations for the 2020 CCPR Priority List of new compounds.
7. Table 2A also includes priority lists for periodic reviews in 2020 (9 compounds) and 2021 (5 compounds). All of the listed compounds meet the "15 year rule" with the majority nominated for periodic review scheduling on the basis of public health concerns. At least 50% of the compounds have no supporting member country or manufacturer.
8. Table 2B lists 17 compounds which meet the "15 year rule" but have not yet been listed for periodic review.
9. The compilation of national registration for compounds listed in Tables 2A and B will be deleted prior to CCPR49 in favour of the national registrations database which is covered in a recent circular letter prepared by Australia and Germany.
10. Table 3 provides a record of all periodic reviews (past, present and future). Table 4 records chemical-commodity combinations for which specific GAP is no longer supported.

B. FINALISING THE 2018 PROPOSED SCHEDULE

New compounds

11. The proposed schedule of new compound evaluations has been established. Those new compound nominations deemed to have met all nomination and scheduling criteria have been confirmed with a date-stamp. Based on JMPR advice on available evaluator resources, the quota of new compounds is normally 8. The compounds are listed in order of date-stamp and numbered 1-8 with compounds 9 and 10 given a RESERVE status.

- Should a member / observer fail to provide the requisite data package at “data call-in” or additional evaluator resources become available, for those compounds on the 2018 Schedule, JMPR may select a RESERVE compound where a data package is ready for evaluation.
- Five compounds (tricyclazole, quinalphos, ethion, hexaconazole and iprobenfos) were excluded on the basis that the required nomination form has not been submitted.

New uses and other evaluations

12. As noted in paragraph 4, there are 54 compounds for new use and other evaluations listed in the proposed 2018 Schedule. At the 48th session of CCPR, JMPR indicated a quota of 20 such evaluations could be handled by the available evaluator resources.
13. Consistent with the approach taken at CCPR48, member countries and observer international organizations (sponsors) who have nominated compounds for the proposed new uses and other evaluations Schedule can only confirm a place on the Schedule by submitting documented evidence of a registered use / authorized formulation labels / GAP or at least evidence of data submission to a national regulatory authority with a view to obtaining a registration / authorized formulation label / GAP. This information must be submitted to the Chair eWG Priorities before 24 **April 2017**.
14. Based on JMPR resource constraints, the first 20 compound nominations (based on date-stamps) will be confirmed in the 2018 Schedule. Those compounds, for which the nominator is unable to provide the requisite information, will be deferred to the 2019 “new use and other evaluation” priority list.
 - At 5 April 2017, nineteen (19) compounds are date-stamped and listed as Priority 1 following submission of registered uses / authorised formulation labels / GAP.
 - Should more than 20 compound nominations on the 2018 Schedule meet the registered use / formulation label / GAP requirement, those beyond number 20 will be given a RESERVE status.
 - As per the new compound approach, should the opportunity present, JMPR may choose to evaluate a RESERVE compound.
15. The requirement for a chemical commodity combination to “be registered for use in a member country and formulation labels made available” is specified in the Codex Procedural Manual “Risk Analysis Principles applied by the Codex Committee on Pesticide Residues”, paragraph 63.
 - Although paragraph 63 indicates that JMPR “data call-in” is the deadline for the provision of registration / formulation label / GAP information, paragraph 53 must now take precedence “the eWG on Priorities is tasked with preparing a Schedule of Pesticides”.
16. Please note that this additional rigour to the process does not necessarily apply to new compound evaluations and the periodic review.
17. To confirm the procedures applying to date-stamping and confirmation of the proposed Schedule, the following applies:
 - All nominations will be included in the Schedules and Priority Lists – a lodgement date will be noted as the date when the Chair-eWG Priorities received the nomination.
 - Each nomination will be assessed against relevant criteria listed in the Codex Procedural Manual “Risk Analysis Principles applied by the Codex Committee on Pesticide Residues”.
 - Once it has been determined to meet relevant criteria, a nomination will be accepted in the Schedules and Priority Lists and an acceptance date recorded. The acceptance date is the date the relevant email was received by the Chair-eWG Priorities. For example, should the original nomination include all requisite data then the lodgement date is also the acceptance date.
 - A proposed Schedule will be established on the basis of “accepted” nominations and date of acceptance.

Periodic Reviews

18. There are five compounds listed in the proposed 2018 Schedule of periodic reviews. Of these, bromopropylate remains unsupported and public health concerns have been raised. Members and Observers are advised that should those public health concerns be confirmed and no additional data is lodged, it is likely that the compound will be recommended for removal from the CCPR pesticide list and all CXLs will be revoked.

C. PUBLIC HEALTH CONCERNS

19. In accordance with the nomination process described in the Codex Procedural Manual “Risk Analysis Principles applied by the Codex Committee on Pesticide Residues”, Members and Observers may lodge public health concerns for any compound in the CCPR Pesticide List including those already listed in Table 2A and 2B.
- In lodging a public health concern, the nominator must provide supporting scientific data.
 - Nominated compounds are added to a “public health concern” sub-table for JMPR review.
 - Subject to JMPR and eWG Priorities review, the nominated compounds may be placed in Table 2A (if not already listed) for consideration of CCPR and possible scheduling for periodic review.
 - If a pesticide is added to Table 2A due to public health concerns, a summary of the concerns are included in Table 2A.
20. Currently over 50% of the compounds listed in Table 2A are the subject of a public health concern. In regard to the 2019, 2020 and 2021 priority lists of periodic reviews, those compounds, for which public health concerns are noted, have been prioritised ahead of compounds without noted public health concerns.

D. PERIODIC REVIEWS (UNSUPPORTED COMPOUNDS)

21. Member countries and Observers with an interest are strongly encouraged to provide advice on the following compounds which remain unsupported:
- 2018: bromopropylate [70] PHC
 - 2019: aldicarb [117], fenarimol [192] PHC, azinphos-methyl [002] PHC, amitraz [122] PHC, dicloran [083] PHC, phosalone [060] PHC
 - 2020: pirimicarb [101] PHC, prochloraz [142], ethoxyquin [035] PHC, diazinon [022], quintozone [064] PHC
 - 2021: bromide ion [047], fenbutatin oxide [109], permethrin [120], hydrogen phosphide [046], guazatine [114] PHC

NB: PHC denotes public health concern lodged

E. NATIONAL REGISTRATIONS FOR COMPOUNDS LISTS IN TABLE 2A AND 2B

22. Please refer to the Circular Letter ([CL 2017/18-PR](#)) which has been distributed through the Codex Secretariat. Accompanying the CL is a spreadsheet to which Members, choosing to respond, may add a worksheet with country-specific responses. You will note when you receive the CL and accompanying spreadsheet that there are two completed worksheets for Codex and Australia. An agenda paper (CX/PR 17/49/14) has now been prepared and includes a spreadsheet of all responses to date.
23. There is also a discussion paper ([CX/PR 17/49/15](#)) on the establishment of a Codex database of national registrations of pesticides which aims at listing all chemical commodity combinations relating to compounds listed in Tables 2A and 2B where Members have indicated a national registration exists.
24. **All members are encouraged to respond to CL 2017/18-PR and submit information using the spreadsheet provided.**

**APPENDIX
ENGLISH ONLY**

CCPR SCHEDULES AND PRIORITY LISTS OF PESTICIDES

2017 CCPR SCHEDULE OF JMPR EVALUATIONS (CLOSED)

2017 NEW COMPOUND EVALUATIONS

| TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|---|--|------------------------------------|---|--|
| Bicyclopyrone(999); USA (herbicide); [Syngenta] | Bicyclopyrone(999) | Registered; MRLs > LOQ? Y | Corn; Barley; Wheat; Sugarcane; Soybean | Corn (29); Barley (12); Wheat (20); Sugarcane (11); Soybean (20) |
| Cyclaniliprole [Ishihara Sangyo Kaisha] USA (999) (insecticide) Moved from 2016 Seek JMPR advice | Cyclaniliprole | Registered Korea Jan 17 MRLs > LOQ | broccoli; cabbage; mustard green; brussels sprout; kale; cauliflower; soybean, dried; soybean, immature (with pods); tomato; pepper; apple; pear; cherry; peach; plum; apricot; plum; almond hulls; almond; pecan; lettuce, head; lettuce, leaf; spinach; grape; cucumber; muskmelon; summer squash; chinese cabbage; tea - India | broccoli (18); cabbage (22); mustard green (5); brussels sprout (8); kale (4); cauliflower (8); soybean, dried (6); soybean, immature (with pods) (3); tomato (51); pepper (37); apple (37); pear (8); cherry (15); peach (20); plum (23); apricot (8); plum (23); almond hulls (5); almond (5); pecan (5); lettuce, head (9); lettuce, leaf (11); spinach (8); grape (43); cucumber (9); muskmelon (10); summer squash (9); tea (6); chinese cabbage (6) |
| Fenazaquin (999) (insecticide) [Gowan] USA Moved from 2015 following discussion | Fenazaquin (999) | Registered MRLs > LOQ | 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 India - Tea | 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) |
| Fenpyrazamine (fungicide) Japan [Sumitomo Chemical] (999) | Fenpyrazamine | Registered USA, EU, Japan | [Sumitomo] Almond; Apricot; Bushberry Subgroup; Caneberry Subgroup; Cherry; Cucumber; Eggplant; Ginseng; Grape (Table, Wine And Juice); Lettuce (Head And Leaf); Peach; Pepper; Pistachio; Plum; Strawberry; Tomato | [Sumitomo] Almond (nutmeats - 7, hulls - 7); apricot (8); bushberry subgroup (blueberry - 8); caneberry subgroup (caneberry - 5); cherry (12); cucumber (protected - 8); ginseng (3); grape (table, wine and juice) (US - 19), (EU - 16); lettuce (head and leaf) (head w/wo wrapper leaves - 10+10, leaf - 10); peach (12); pepper (protected - 8); plum (12); strawberry (24); tomato (protected - 8) |
| Isoprothiolane (999) Japan, India fungicide Nihon Nohyaku | Isoprothiolane (999) Japan, India | Registered Japan | Rice Nihon Nohyaku | Rice 6 |
| Natamycin(999); (Fungistat); [DSM Food Specialties]; USA | Natamycin(999) | Registered; MRLs> LOQ?Y | mushroom; pineapple, citrus, stone fruit, pome fruit, avocado, kiwi fruit, mango, pomegranate | Mushroom (2); Pineapple (2), orange (3), lemon (3), grapefruit (3) |
| Phosphorous acid (999)[Nufarm] Australia; Fosetyl-aluminium [Bayer CropScience] Germany (fungicide) | Phosphorous acid (999) fosetyl-aluminium | Registered; MRLs >LOQ | BCS: Table and wine grapes; Pome fruit; Citrus fruit; Berries and other small fruit; Avocado; i, Pineapple; Tomato; Peppers, sweet; Peppers, chili; Cucumber; Gherkin; Melon; Watermelon; Lettuce, head; Lettuce, leaf; Spinach; Cabbage, head; Cauliflower; Hops; Coffee; US add on: Citrus Post harvest, tree nuts, grapes | USA: navel orange (5); mandarin orange (5), lemon (5), grapefruit (5); Valencia (5); almond (5); walnut (5); pistachio (5); avocado (5) Bayer - fosetyl: Table and wine grapes (39), Pome fruit (42), Citrus fruit (46), Berries and other small fruits (54), Avocado (10), Pineapple (23), Tomato (43), Sweet pepper, chili (23), Cucumber + gherkin (44), Spinach (15), Melon + watermelon (35), Head + leafy lettuce (40), Cabbage, head (28), Cauliflower (15), Hops (14), Coffee (5) |

| TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|---|-----------------------|---|-------------|---|
| Triflumezopyrim (999); Insecticide; DuPont – USA RESERVE 1 | Triflumezopyrim (999) | Registered No expected Oct 2016; MRLs > LOQ (not yet known) | Rice | Rice (30 trials from various countries) |

2017 NEW USES AND OTHER EVALUATIONS

| EFFECTIVE DATE | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|----------------|---|---|--|--|
| 11 June 2015 | | 2,4-D (020) [Dow AgroSciences] | India Tea USA- COTTON | Tea; Cotton (22 total; 18 USA, 4 Brazil) |
| 11 June 2015 | Review of new tox. Data See comment | Acetamiprid (246) [Nippon Soda] | India Tea IRAN – PISTACHIOS MUSTARD GREEN (IR4) | Await field trial information COMMENT: Although acetamiprid was quite recently reviewed by JMPR (2011), there are new toxicological data on development neurotoxicity which may lead to a lowering of the current ARfD (0.1 mg/kg bw). EFSA, in its reasoned opinion on developmental neurotoxicity of acetamiprid and imidacloprid (December 2013) recommends a lower ARfD of 0.025 mg/kg bw. With such a lowered ARfD, the CXLs for apple, chard and citrus fruit may be of concern. Iran – pistachios (4) |
| 29 April 2014 | | Azoxystrobin (229) [Syngenta] | INDONESIA AND VIETNAM: DRAGON FRUIT; EGYPT: GUAVA; CANADA: CANOLA, SUGARCANE | Dragon Fruit (7); Guava (6); Canola (21), sugarcane (16) |
| 11 June 2015 | | Captan (7) (fungicide) [Arysta USA] | GINSENG | Ginseng (3) |
| 11 June 2015 | | Cyprodinil (207) [Syngenta] France | CARROTS; BEANS, EXCEPT BROAD BEAN AND SOYA BEAN (GREEN PODS AND IMMATURE SEEDS), CELERY, CUCUMBER, GLOBE ARTICHOKE, GUAVA, POMEGRANATE, POTATO, ALMOND. PECAN | carrot (8), beans with pods (9), celery (8), cucumber (5), globe artichoke (4), guava (5), pomegranate (4), potato (16), almond (4). Pecan (5) |
| 29 April 2014 | | Difenoconazole (224) [Syngenta] | INDONESIA AND VIETNAM: DRAGON FRUIT; EGYPT: GUAVA; REPUBLIC OF KOREA: PAPIKA; CHILI PEPPER USA: ALMONDS, PULSES, BLUEBERRIES, GINSENG, GLOBE ARTICHOKE, APPLE, PEAR, SWEET CORN, WATERMELON, COFFEE, STRAWBERRY, RICE, GUATEMALA: SNAP BEANS AND SNOW PEAS (EDIBLE, PODDED) | Dragon Fruit (7); Guava (6), Paprika (6); chili pepper (6), Almond (5), lentils (3), blueberries (11), ginseng (4), globe artichoke (4), apple (5), pear (4), sweet corn (9), watermelon (4), coffee (4), strawberry (9), rice (10)rice (10) snap beans (6), snow peas (6) |
| 11 June 2015 | | Flonicamid (999) Insecticide [Ishihara Sangyo Kaisha] USA | PULSES (VD 0070) AND LEGUME VEGETABLES (VD 0060) USA- CITRUS FRUITS | Dry Bean (12); Dry Pea (5); Succulent Bean (13); Succulent Pea (13), Orange (12); Grapefruit (6); Lemon (5) |
| 20 April 2016 | | Fluensulfone (265) [Adama] | COFFEE, CITRUS, SUGARCANE, SOYBEAN, BLACK PEPPER | coffee (4), citrus 27, sugarcane (4), soybean (4), black pepper (4) |
| 11 June 2015 | | Fluopyram (243) [Bayer CropScience] | ARTICHOKE, BARLEY, CHICORY, CITRUS, COTTON, HERBS (DRY), HOPS, MAIZE, MANGO, PEANUT, RAPE SEED, RICE, SOYA BEAN, SPICES, SUNFLOWER SEED, WHEAT, PEPPERS | Artichoke (4), Chicory (8), Citrus (48), Cotton (11), Herbs (dry) (9), Hops (13), Maize (16), Mango (8), Peanut (12), Rape seed (24), Rice (8), Soya bean (21), Spices (4), Sunflower seed (24), Wheat and Barley (44) |

| EFFECTIVE DATE | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|----------------|---|--|--|---|
| 11 June 2015 | | Flupyradifurone (999) [Bayer CropScience] | STONE FRUIT | Stone fruit (40) |
| 20 April 2016 | | Imidacloprid (206) | PISTACHIO (IRAN), | Pistachios (4) |
| 29 April 2014 | | Imazamox (276), imazapyr (267) [BASF] Australia | BARLEY | Barley (12) |
| 11 June 2015 | | Isopyrazam (249) [Syngenta] | TOMATO, MELON, PEPPER, CUCUMBER, CEREALS, OIL SEEDS, PEANUTS, PEACH, APRICOT, POME FRUIT, CARROTS, | Wheat (16), barley (16), oil seed rape (16), peanuts (4), peach (4), apricot (4), apples (16) carrot (16), tomato (16), peppers (14), cucumbers (24), melons (24) |
| 20 April 2016 | | Penthiopyrad (253) | MAIZE FODDER, MUSTARD GREENS (ALTERNATIVE GAP) | |
| 29 April 2014 | Moved at request of USA and DuPont | 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) |
| 11 June 2015 | | Propiconazole (160) | India Tea CITRUS, STONE FRUIT, PINEAPPLE | Tea Citrus – orange, mandarin, lemon, grapefruit (16), Stone fruit – cherry, peach, nectarine and plum (28), Pineapple (4) |
| 29 April 2014 | Propylene oxide [Balchem] (250) – USA - JMPR 2013 | Propylene oxide [Balchem] (250) | TREE NUTS | Moved at the request of manufacturer |
| 29 April 2014 | | Prothioconazole (232) [Bayer CropScience] | COTTON | Cotton (16) |
| 29 Nov 2015 | | Quinclorac [BASF] (287) | CANOLA, RICE | Canola (8), rice (8) |
| 29 April 2014 | | Spinetoram (233) – [Dow AgroSciences] Thailand; Columbia; New Zealand; USA | USA: CUCURBITS; PEPPER; STRAWBERRIES; PLUM; CHERRY; APRICOT; POTATO; SOYBEAN; CORN; TANGERINE; SWEETCORN; KIWI; PASSION FRUIT NZ: feijoa, passionfruit, tamarillo THAILAND: MANGO, LICHI Colombia: avocado | US: 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) NZ: feijoa (4); passionfruit (4); avocado (4); tamarillo (4). Thailand: mango (6); litchi (6) Colombia: avocado (6) |
| 20 April 2016 | | Spiroteramat (234) Bayer | IRAN - PISTACHIOS | |
| 11 June 2015 | | Tebuconazole (189) [Bayer CropScience] USA | KENYA (COMMON BEANS) India Tea | Green bean (8) |
| 29 April 2014 | | Trifloxystrobin (213) [Bayer CropScience] | COTTON; GINSENG (KOREA) HEAD CABBAGE, CAULIFLOWER + BROCCOLI, SPINACH, | Cotton (12) Ginseng (6), head cabbage (6), Cauliflower + broccoli (6), Spinach (6), |

| EFFECTIVE DATE | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|----------------|------------|---|-------------|--|
| 11/23/2016 | | Saflufenacil (251) – no additional data | Flax seed | Request to extrapolate rapeseed (canola) data to recommend CXL for flax seed based on 2016 JMPR evaluation |

2017 PERIODIC REVIEW

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|---|--|---|---------------------|---------------|--------------|
| Chlormequat (15) [BASF] Moved from 2016 | Chlormequat (15) Plant growth regulator | Cereals; cottonseed; maize; rapeseed; maize fodder; cereals fodder/straw; meat; milk; eggs All CXLs supported | 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 RESERVE 3 | Clethodim (187) | Bean; broccoli; cabbage; carrot; cranberry; cucurbits; hops; lettuce; pea; strawberry; blueberry USA – Artichoke; Caneberry; Safflower, Apple, Pear, Cherry, Peach, Plum | Blueberry (9) – Awaiting further advice Artichoke (3); Caneberry (6); Safflower (4); Apple (14), Pear (6), Cherry (15), Peach (9), Plum (6) | 1994 | 0.01 1994 | NR 2004 |
| Fenpropimorph (188) [BASF] Tox in 2016 | Fenpropimorph (188) [BASF] fungicide | 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 |
| Fenpyroximate (193) [Nihon Nohyaku] | Fenpyroximate (193) [Nihon Nohyaku] | US add-ons: potato; bean (snap); melons; cucumber; stone fruit; avocado; mint, pepper; tomato; watermelon Brazil – coffee, papaya | US Data: potato (16); bean (snap) (8); melons (8); cucumber (9); cherry (8); peach (10); plum (6); avocado (5); mint (6); Pepper(16); tomato(19); watermelon (4), Brazil - coffee (8), papaya(3) | 1995 | 0.01 1995 | 0.02 2007 |
| Carbendazim [Nippon Soda Co] (72) Supported Scheduling subject to availability of full data package | Carbendazim | Mandarins(8), Orange (8), Hazelnut(4), Almond(5), Pecan(9), Pistachio(3), Apple(11), Pear(10), Apricot(13), Peach(9), Nectarine(2), Plum(17), Cherry(8), Strawberry(10), Grape(16), Banana(4), Potato(3), Green Onion(3), Tomato(8), Squash, summer(10), Cucumber(11), Melon(16), Watermelon(9), Brussels sprouts(4), Bean, snap(11), Bean dry(10), Soya beans(23), Canola seed(7), Barley(11), Oats(8), Wheat(11), Peanut(18) India - Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), Tea - Await field trial data Thailand (Mango) | Manufacturer of thiophanate-methyl will support Codex MRLs for carbendazim (72) which covers thiophanate-methyl (77). all the relevant studies required to maintain the Codex MRLs for thiophanate-methyl (expressed as carbendazim) will be submitted Public health concerns were lodged by the EU – see next table The last periodic re-evaluation of carbendazim was in 1998. Active substances benomyl and thiophanate-methyl are no longer supported by the sponsor but the CXLs for carbendazim still cover uses of these two active substances meaning that a couple of CXLs are obsolete. Moreover, the EU has a lower ARfD. Acute health risks were identified for several commodities in the 2006 CCPR. In addition, the EU received an import tolerance application for the use of carbendazim in rice and it turned out that the existing CXL for rice is based likely on an obsolete US GAP on benomyl. In this case as well an acute risk could not be excluded | | | |
| Kresoxim-methyl (199) Periodic evaluation (BASF) RESERVE 2 | Kresoxim-methyl (199) Registered? Yes MRLs > LOQ? fungicide | Citrus, pome fruits, stone fruits, strawberry, small berries, sunflower, grapes, grape leaves, dried grapes, bulb vegetables, leek, cucurbits - inedible peel, cucurbits - edible peel, wheat, barley, straw and fodder of cereals, olives, mango, pecans, beetroots, bell peppers, tomato, egg plants, animal products | Citrus (19), pome fruits (37), stone fruits (10), strawberry (24), small berries (6), sunflower (10), grapes (12), grape leaves (16), bulb vegetables (16), leek (16), cucurbits - inedible peel (14), cucurbits - edible peel (8), wheat (20), barley (14), straw and fodder of cereals (34), olives (8), mango (4), pecans (6), beetroots (10), bell peppers (10), tomato (12) | 1998 | 0.4 (1998) | NR (1998) |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|--|-------------------------------|---|--|---------------------|-------------------|-------------------|
| <p>Methidathion (51)</p> <p>If no support for existing CXLs, then revocation of CXLs at CCPR49. Manufacturer support from Zen Noh Chem for mango and peach scheduled for 2020</p> | Methidathion (51) insecticide | The active substance has been re-evaluated for residues (after its first inclusion in 1972) in 1992. An ARfD was derived in the toxicological re-evaluation in 1997. 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. | 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. 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. Citrus fruits also exceeded the ARfD (up to 6631%). 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 to 301%). For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/1639.pdf . | 1992 | 0.001 - 1997 | 0.01 - 1997 |
| Oxamyl (126) [Dupont] | Oxamyl (126) | Potato, Root and tuber vegetables, including Carrot, Parsnips, Sugar beet, Brussels sprouts -, Citrus (mandarin) (orange), Banana, Tomato, Pepper, Aubergine, Edible-peel cucurbit (cucumbers – gherkins – courgettes, Inedible-peel cucurbit | Potato (16), Root and tuber vegetables, including Carrot, Parsnips (9), Sugar beet (19), Brussels sprouts (3 - minor crop, <LOQ residues, Citrus (8 mandarin) (8 orange), Banana (4 <LOQ residues), Tomato (22 protected), Pepper (10 protected), Aubergine (8 protected), Edible-peel cucurbit (11 cucumbers protected – gherkins – 11 courgettes protected), Inedible-peel cucurbit (8 protected) | 1986R 2002T | 0.009 2002 | 0.009 2002 |

2018 CCPR SCHEDULE OF JMPR EVALUATIONS (PROPOSED)**2018 NEW COMPOUND EVALUATIONS**

| Date Stamp | TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|---|--|---|---|---|--|
| 1 Circa 2012 | Chlorfenapyr Tox 2012 | Chlorfenapyr [BASF] (254) | Registered MRLs > LOQ ?? | Soybean, tea | Soybean (10), tea (6) |
| 2 6 Dec 2013 | Ethiprole (999) (insecticide) [Bayer CropScience] – Germany | Ethiprole (999) | Registered MRLs > LOQ | Coffee; corn/maize; rice; soybean and food of animal origin | Coffee (15); corn/maize (10); rice (12); soybean (10) |
| 3 Pre 2014 [moved from 2015 at the request of manufacturer] Request by US / Japan to reschedule the residue evaluation to 2019 but keep the toxicology evaluation for 2018, if the full evaluation is not possible given the prioritization criteria | Pyrifluquinazon (999) (insecticide) [Nihon Nohyaku] Japan | Pyrifluquinazon | Registered Japan; KOREA; Expected U.S. registrations by 5/22/2018 MRLs > LOQ ?? | 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 |
| 4 27 Nov 2014 | XDE-777 (999) Dow AgroSciences United Kingdom fungicide | XDE-777 (999) Dow AgroSciences; France | Registered - Soon MesoAndean countries (2015-6); UK (2018) MRLs > LOQ – Y | Bananas, | Banana – 8 trials, |
| 5 25 March 2015 | Norflurazon USA (herbicide) (999) [TessenderloKerley Inc.] | Norflurazon (Moved from 2016 at request of nominator) | Registered MRLs > LOQ | Almond; apple; apricot; asparagus; avocado; blackberry; blueberry; cranberry; cherry (sweet /tart); citrus fruits group; cottonseed; grape; hazelnut; hops; nectarine; peach; peanut; pear; pecan; plums and prunes; raspberry; soybean; 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 |
| 6 2 Sept 2015 [Moved from 2017 on request] | Pydiflumetofen SYN545794 (999) (fungicide) Canada [Syngenta] | Pydiflumetofen SYN545794 (999) | Registered in Argentina MRL>LOQ | Soybean seed; Pulses (dry beans, dry peas, lentils, chickpeas), grapes; fruiting vegetables; cucurbits; leafy vegetables; potato; corn; wheat; barley; oats, peanuts, apples, canola | Wheat (33 trials), barley (21 trials), oats (22 trials), canola (21 trials), grapes (12 trials), apples (8 trials), dry beans (11 trials), dry peas (10 trials), fruiting vegetables (tomato (12 trials), bell and non-bell peppers (9 trials)), leafy vegetables (head and leaf lettuce (16 trials), spinach (8 trials), celery (8 trials)), cucurbits (cucumber (7 field and 3 protected), squash (6 trials), cantaloupe (6 trials)), corn (field and popcorn (23 trials), peanuts (12 trials), soybeans (21 trials), potatoes (26 trials) |

| Date Stamp | TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|---|--|--|---|--|---|
| 7 30 October 2015 and revised nomination form on 25 Nov 2015 | Fluazinam (999) [ISK Biosciences; Ishihara Sangyo Kaisha] USA (fungicide) | Fluazinam (999) | Registered MRLs > LOQ | USA- Apples; Mayhaw; Brassica (Cole) Leafy Vegetables plus Turnip greens; Bushberry; Carrot; Ginseng; Lettuce, Head and Leaf; Edible-podded Legume Vegetables, Except Peas; Succulent Bean, includes Lima Bean, Except Peas; Dry Beans, Except Peas and Soybeans; Onions, Bulb; Melons; Squashes/ Cucumbers; Peppers/ Eggplants; Peanuts; Tuberous and Corn vegetables; Soybean; Wine grape; Tea | USA&CAN: Apple (20); Broccoli (13); Cabbage (20); Mustard greens (11); Blueberry (13); Carrot (13); Ginseng (5); Head lettuce (7); Leaf lettuce (7); Succulent beans (11); Lima beans (7); Dried beans (18); Onion (9); Cantaloupe (11); Cucumber (6); Summer squash (6); Bell pepper (9); Non-bell pepper (4); Peanut (10); Potato (12); Soybean (16); USA, CAN, GRC, FRA, ITA, DEU, ESP, CHL: Grape (23) JPN: Tea (5) |
| 8 30 Oct 2015 | Pyriofenone (999) [IshiharaSangyoKai sha/ISK Biosciences] USA | Pyriofenone(999) | Registered in EU, JP and CA MRLs > LOQ | USA- Berries and other small fruits; Fruiting vegetables; Mango | USA&CAN: Grape (12); Strawberry (9); Blueberry (10); Blackberry (6); Kiwi (3); Cucumbers (9); Summer Squash (9); Cantaloupe (5); BRA: Mango (4); EU: Table and Wine Grapes (20) |
| RESERVE 3 Nov 2015 | Tioxazafen(999) [Monsanto]- USA (nematicide) | Tioxazafen and its metabolite benzamidine(999) | Registered? no MRLs > LOQ? Corn, cotton seed no, soybean seed yes | USA- Corn, cotton, soybean | Corn (22), Cotton (13), Soybean (22) |
| RESERVE 4 Dec 2015 | Mandestrobin (999) Canada - USA (fungicide) [Sumitomo Chemical] | Mandestrobin | Registered, MRLs>LOQ | Canola, Grape, Strawberry | Canola (23); Grape (16); Strawberry (10) |
| Metconazole Request to reschedule from 2018 to 2019 on 22 Nov 2016 | | | | | |
| April 2014 Nomination form not submitted | Tricyclazole (999) India fungicide Moved on request | Tricyclazole (999) India | | Rice, cumin | A full toxicological package will be required. |
| April 2014 Nomination form not submitted | Quinalphos (999) India insecticide Moved on request | Quinalphos (999) India | | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, grean pea, bitter gourd, cucumber, brinjal and capsicum), grape, spices, Tea, dried ginger | A full toxicological package will be required. |
| April 2014 Nomination form not submitted | Ethion (34) India | Ethion (34) India | Registered Y MRLs > LOQ | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, grean pea, bitter gourd, cucumber, brinjal and capsicum), grapes, tea Curry leaves, Dry chilli, | COMMENT: This compound was removed from the Pesticide List (36-85) and all CXLs revoked. A full toxicological package will be required. One existing spice CXL |
| April 2014 Nomination form not submitted | Hexaconazole (170) India | Hexaconazole (170) | Registered Y MRLs > LOQ | India Tea, fennel, fenugreek, ginger, dried chilli | COMMENT: This compound was removed from the Pesticide List in 1978 and all CXLs revoked. A full toxicological package will be required. |
| April 2015 Nomination form not submitted | Iprobenfos (999) India | Iprobenfos (999) | | Dried ginger | A full toxicological package will be required. |

2018 NEW USES AND OTHER EVALUATIONS

| DATE | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|--|--|--|--|---|
| Priority 1 30/09/2016 | | Abamectin [Syngenta] (177) | CANEBERRY, SWEETCORN, GREEN ONION, BEANS - SHELLLED, SOYBEAN, PINEAPPLE GRAPE, MANDARIN (THAILAND) SPINACH (ALTERNATIVE GAP) | Caneberry (7), sweetcorn (12), green onions (5), lima bean (7), soybean (20), pineapple (8), grape (13) |
| Priority 1 01/01/17 | | Bentazone [BASF] (172) | FIELD PEA (USA) - 4 year rule granted in 2014 | |
| | | Bifenthrin [FMC] (178) | Barley; barley (straw fodder); - 4 year rule granted in 2014 strawberry, mango Lettuce head, celery (alternative GAP) | |
| Priority 1 24/10/2015 | | Cyantraniliprole [DuPont] USA | USA- FRUITING VEGETABLES, OTHER THAN CUCURBITS (EXCEPT SWEETCORN); GRAPES; STRAWBERRIES; CUCURBIT VEGETABLES (GREENHOUSE); OLIVES; ARTICHOKE, GLOBE; MANGOS; CRANBERRIES; RICE | [fruiting vegetables - tomatoes (19), peppers (24)]; grapes (18); strawberries (29); [cucurbit vegetables (greenhouse cucumbers) (5)]; olives (9); artichokes, Globe (5); mangos (8); cranberries (6); rice (6) |
| Priority 1 30/11/2016 | | Cyazofamid [ISK Biosciences] USA | USA- HERBS, BULB VEGETABLES | USA- Fresh Chive (9); Dried Chive (5) Green Onions (5); Dry Bulb Onions (10) |
| Priority 1 30/09/2016 | | Diquat [Syngenta] (031) | CEREALS-WHEAT, BARLEY, OAT (AUSTRALIA); PULSE (CANADA)-4 YEAR RULE (2014) | Dry peas (8 trials), dry beans (10 trials), lentils (8 trials), chickpeas (9 trials) |
| Priority 1 20 April 2015 Moved from 2017 on request | | Fenamidone (264) [Bayer CropSciences] | MUSTARD GREEN, SPINACH - ALTERNATIVE GAP | |
| Priority 1 16 Nov 2016 | | Fluazifop-p-butyl (999) (herbicide) [Syngenta] USA | BLUEBERRY; CANEBERRY; LETTUCE; STRAWBERRY; ONION; MUSTARD GREENS; PAPAYA | Blueberry (9); Caneberry (6); Lettuce (26); Strawberry (6); Onion, green (4); Mustard Greens (12); papaya (8) |
| Priority 1 30/09/2016 | | Fludioxonil [Syngenta] | CARROTS, CELERY, GUAVA, PINEAPPLE, KALE, POMEGRANATE DRY PEAS (CANADA) | Carrots (4), celery (8), guava (5), pineapple (4), mustard green (7), cabbage (6), broccoli (6), pomegranate (4) Dry peas (8 trials) |
| | | Fluensulfone (265) [Adama] | cereal, tree nut, stone fruit, pome fruit, corn, guava, cotton | Cereal (56), tree nut (10), stone fruit (21), pome fruit (26), corn (21), guava (4), cotton (4) |
| Priority 1 Moved from 2017 on request 01/01/17 | | Fluxapyroxad (256) [BASF] | CITRUS, COFFEE | Citrus (13) |
| Priority 1 30/11/2016 | | Isofetamid [IshiharaSangyoKaisha] USA | USA- POME FRUITS; STONE FRUITS; BERRIES AND OTHER SMALL FRUITS; LEGUME VEGETABLES; PULSES; SOYBEAN | USA&CAN: Apple (20); Pear (10); Peach (13); Plum (9); Cherry (15); Blueberry (10); Raspberry (5); Kiwi (3); Dry pea (11); Dry bean (15); Succulent pea (10); Succulent bean (13); BRA: Soybean (4) |
| | Isoprothiolane (999) LATAM fungicide Nihon Nohyaku | Isoprothiolane (999) LATAM | banana | Banana (16) |
| Priority 1 11 June 2015 Moved from 2017 | | Isoxaflutole [Bayer CropScience] (268) | SOYA BEAN (LABEL REVIEW) | |

| DATE | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|--|---|---|---|---|
| Priority 1 30/09/2016 | | Lufenuron [Syngenta] | CITRUS, COFFEE, CORN, APPLE CARAMBOLA (MALAYSIA) [LABEL SUBMITTED] | citrus (12), coffee (7), corn (4), Carambola (4) |
| Priority 1 16 Nov 2016 | | Mandipropamid [Syngenta] | COCOA, POTATO | Cocoa (8), potato (26) |
| Priority 1 30/09/2016 | | Metalaxyl-M [Syngenta] (212) | COCOA BEANS (4 YEAR RULE GRANTED IN 2014), REPUBLIC OF KOREA (GINSENG) | Syngenta Cocoa (8) Korea Ginseng (4) |
| Priority 1 9 Nov 2016 | | Oxathiapiprolone (999) [Syngenta] | DUPONT: POPPY, HOPS, SUNFLOWER, SOYBEAN SYNGENTA – POTATO, CITRUS (BOTH SOIL USES); SYNGENTA/IR-4: ASPARAGUS, CANEBERRY, MUSTARD GREENS, BASIL, | DuPont: poppy (5), hops (5), sunflower (8), soybean (8) Potato (16), Citrus (12 orange, 6 grapefruit, 5 lemon); Syngenta/IR-4: asparagus (10), caneberry (5), mustard greens (10), basil (8) |
| | Moved from 2017 | Penthiopyrad (253) USA | USA – Blueberry; Caneberry | Blueberry (9) and Cranberry (7) |
| Priority 1 28 Nov 2016 Moved from 2017 on request | Pyraclostrobin (210) [BASF] Partly applicable: Evaluation of metabolite data being relevant for new uses | Pyraclostrobin (210) Registered? Yes MRLs > LOQ? Yes - all commodities listed for evaluation: | POME FRUITS, OLIVES, PERSIMMON, TROPICAL FRUITS (MANGO, PAPAYA, PASSION FRUIT, PINE APPLE), LEEK, BRASSICA VEGETABLES, FRUITING VEGETABLES, CORN SALAD (LAMB'S LETTUCE), SPINACH, LEGUME VEGETABLES (BEANS AND PEAS), ROOT AND TUBER VEGETABLES, STEM VEGETABLES, RICE, SUGAR CANE, PEANUTS, CACAO, COFFEE, TEA | Pome fruits (8), olives (12), persimmon (3), tropical fruits (mango (8), papaya (4), passion fruit (8), pine apple (8)), leek (8), brassica vegetables (20), fruiting vegetables (15), corn salad (lamb's lettuce) (4), spinach (extrapolation from lettuce, head (29)), legume vegetables (beans and peas) (43), root and tuber vegetables (46), stem vegetables (33), rice (about 20), sugar cane (48), peanuts (31), cacao (4), coffee (7), tea (8 - 10) |
| | [Valent USA Corporation; subsidiary of Sumitomo Chemical Co., Ltd.] - USA | Pyriproxyfen (200) - Costa Rica (from 2016 on request) | Costa Rica: banana; Philippines: papaya; Malaysia/Singapore: mango; Panama: pineapple USA- Cucurbit vegetables Canada - Greenhouse tomatoes, and greenhouse bell peppers | Summer Squash (6), Cucumber (6), Cantaloupe (7) Greenhouse tomatoes (11), greenhouse bell peppers (8) Banana (12), papaya (6), mango (6), pineapple (6) |
| Priority 1 28 Nov 2016 | | Profenofos (171) Brazil Syngenta | COFFEE – REGISTERED IN BRAZIL | Syngenta Coffee (7) |
| | | Propamocarb (148) [Bayer CropSciences] | Feeding studies | |
| | Sulfoxaflor (252) [Dow AgroSciences] USA - Re- evaluation of developmental tox, new data | Sulfoxaflor [Dow AgroSciences] USA Request for new MRLs, based upon new residue data | Kenya, Tanzania, Uganda: passion fruit; Ghana and Senegal: mango | Passion fruit (6); mango (6) |
| Priority 1 30/09/2016 | | Trinexapac [Syngenta] | RICE, RYE | Rice (16), rye (extrapolation from wheat barley) |
| 11 June 2015 | | Acephate (95) India | Rice, grapes, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum) Curry leaves, Dry chilli, Cumin, Fennel, fenugreek, dry ginger | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Acetamiprid (246) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, Cumin | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Bifenthrin (178) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, tea, Curry leaves | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Carbendazim (72) India | Dried ginger, dried chilli, cumin | |

| DATE | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|--------------------------------------|--------------------------|--------------------------------|--|---|
| 11 June 2015 | EU (tox) | Lambda-cyhalothrin (146) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, Tea, cumin | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED PROCEED WITH TOX REVIEW ONLY |
| 11 June 2015 | | Chlorpyrifos (017) India | fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), rice, grapes Curry leaves, Dry chilli, Cumin, Fennel, fenugreek, dry ginger | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Clofenapyr (254) India | Dried chilli | |
| 11 June 2015 | | Clothianidin (238) India | Cumin | |
| 11 June 2015 | | Cypermethrin (118) India | Curry leaves, Dry chilli, | |
| 11 June 2015 | | Deltamethrin (35) India | Dried chilli | |
| 11 June 2015 | Moved on request | Diazinon (22) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Dicofol (26) India | Black pepper, fennel, fenugreek | |
| 11 June 2015 | | Dimethoate (27) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, Tea | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Fenpropathrin (185) | Dried chilli, cumin | |
| 11 June 2015 | | Imidacloprid (206) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Metalaxyl (138) India | Dried ginger | |
| 11 June 2015 | | Methomyl (94) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Parathion (59) India | Curry leaves | |
| 11 June 2015 | | Phosalone (60) India | Cardamom, dried chilli | |
| 11 June 2015 | | Phorate (112) India | Dried ginger, cumin | |
| 11 June 2015 | | Profenofos (171) India | fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), Tea, curry leaves, dried chilli, cumin, cardamom, fennel, fenugreek, black pepper, ginger powder | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2015 | | Propiconazole (160) India | Fennel, fenugreek | |
| 11 June 2015 | | Thiamethoxam (245) India | Cumin | |
| 11 June 2015 | | Triazophos (143) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes Curry leaves, Dry chilli, Cumin, Fennel, fenugreek, dry ginger | Await field trial information NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2018 |
| 11 June 2016 Evaluated in 2016 | Spiromesifen (999) India | Spiromesifen (999) India | Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, tea | Await field trial information |

2018 PERIODIC REVIEW

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|--|---------------------|--|--|---------------------|-------------|-----------|
| Bromopropylate (70) Not supported by the manufacturer Concern Form lodged | Bromopropylate (70) | 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. 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 | 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. 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%). For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/1640.pdf . | 1993 | 0.03 - 1993 | N/A |
| Flumethrin (195) [Bayer CropScience] | Flumethrin (195) | Cattle milk; cattle meat | | 1996 | 0.004, 1996 | N/A |
| Imazalil (110) [Janssen] First reserve for 2017 | Imazalil (110) | Support / Retain: Banana, Citrus fruits (Grapefruit, oranges, lemons, limes mandarins), Cucumber, Melons, except watermelons, Pome fruits (Apples, pear), Potato, Wheat, Wheat straw & fodder, dry Add Gerkin, Courgette (zucchini), Barley, Maize, Millet, Oats, Rye, Sorghum, Barley straw fodder dry, tomato Not supported Persimmon, Raspberry, Strawberry | Pome fruit: 39, Banana: 8, Cereal (seed treatment): 8, Citrus: 36, Cucurbits (edible peel plus melon): 17, Potatoes: 24, Tomatoes: 10 EU – public health concerns - <i>The active substance has not been re-evaluated for residues since it was included the first time in 1977. Toxicological re-evaluation was done in 2000 and an ARfD was derived in 2005. (see CX/PR 12/44/14-Add.1 March 2012)</i> <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 residue took place since 35 years all MRLs should be reviewed.</i> From EFSA evaluation an ADI of 0,025 mg/kg bw and an ARfD of 0.05 mg/kg bw was derived in 2010. This is in line with the current JMPR values of 0.03 mg/kg bw (ADI, 2001) and 0.05 mg/kg bw (ARfD, 2005). A risk assessment was performed using the EFSA PRIMo including the current CXLs for banana, citrus fruit, cucumber, gherkins, melons exc. watermelons, Japanese persimmons, pome fruit, potato, raspberries, strawberries and wheat. Due to the rather old residue evaluation a refinement using HR and STMR values was impossible. Distribution between pulp and peel was not taken into account. As can be seen from this rather rough estimation ADI is exceed for a couple of WHO clusters, i. e. cluster B, E, F, D, with residues in potatoes account for a major part of the residues. It can also be stated that for European consumers children are most likely at risk. For European consumers the ARfD is exceeded for potatoes, pome fruit, Japanese persimmon as well as for citrus fruit, banana and melons, not taking into account distribution between peel and pulp. Changing the variability factor to 3 as used by JMPR will change the outcome of the assessment dramatically. Potatoes, pome fruits as well as citrus fruit, bananas and melons, not taking into account distribution between peel and pulp are still exceeding the ARfD. Await advice from JMPR on public health concerns | 1994R, 2005T | 0.03 2001 | 0.05 2005 |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|------------------------|---|---|---------------------|--------------|------------|
| Metalaxyl (138) Quimicas del Vallés - SCC GmbH | Metalaxyl (138) | Review in 2004 for residues was for evaluation of metalaxyl-M; support from Quimicas del Vallés - SCC GmbH; USA – 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 |
| Tolclofos-methyl (191) [Sumitomo Chemical] | Tolclofos-methyl (191) | Lettuce head; lettuce leaf; potato; radish | Await advice – moved from 2017 on request | 1994 | 0.07 1994 | N/A |

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

2019 NEW COMPOUND EVALUATIONS

| Date Stamp | TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|---|--|------------------------------|--|---|--|
| Pre 2014 [moved from 2015 at the request of manufacturer] Request by US / Japan to reschedule the residue evaluation to 2019 but keep the toxicology evaluation for 2018, if the full evaluation is not possible given the prioritization criteria | Pyrifluquinazon (999) (insecticide) [Nihon Nohyaku] Japan | Pyrifluquinazon | Registered Japan; KOREA; Expected U.S. registrations by 5/22/2018 MRLs > LOQ ?? | 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 |
| 5 April 2015 Not confirmed | SYN546330 [Syngenta] (insecticide) 5 April 2016 | SYN546330 | Registered? No MRLs > LOQ? Yes | Soybean dry, Pome fruit, Citrus, Cotton, Fruiting vegetables, Cucurbits, Okra | Soybean dry (8), Pome fruit (8), Citrus (16), Cotton (4), Fruiting vegetables (Tomato 13, Pepper 13), Cucurbits (Cucumber 8, Melon 8), Okra (8) |
| 4 Dec 2015 Not confirmed | Broflanilide(999) (insecticide) [Landis International on behalf of Mitsui Chemicals] [USA] | Broflanilide (999) | Registered? No (first registration expected in 2019) MRLs > LOQ? Yes, for majority of crops and food of animal origin | USA- Brassica vegetables; Fruiting vegetables; Leafy vegetables; Legume vegetables; Pulses; Root vegetables | Brassica vegetables (35 + 16 trials), Fruiting vegetables(35 trials), Leafy vegetables (35 + 10 trials), Soybean with pod (3 trials), Pulses: Soybeans (31trials), dry beans (7 trials), Root vegetables: Potatoes (25 trials), radishes (6 trials), sweet potato(6 trials), turnip(3 trials), Stalk / stem vegetables: Leek (3 trials), green onion (3 trials), Cereals: Grain/Hay/Straw/Fodder (50 trials); Sugarcane (6 trials); Coffee (9 trials), Tea (6 trials), Feeding studies in cow and hen |
| 4 Dec 2015 Not confirmed | BAS 750 F (fungicide) (999) [USA] 4 Dec 2015 | BAS 750 F [BASF] (999) | Registered? NO MRLs > LOQ? YES | USA- wheat, field corn, rice, sorghum, barley, sweet corn, dried beans, succulent beans, dried peas, succulent peas, lentils, soybean, sugar beet, peanut, canola, apple, pear, almond, pecan, pistachio, cherry, peach, plum, grape | US- Wheat, 25 (US/CA), 16 (EU); Field corn, 16; Rice, 12; Sorghum, 9; Barley, 16 (US/CA), 16 (EU); Sweet corn, 12; dried bean, 10; dry pea, 9; succulent pea, 9; lentil, 8; soybean, 20; sugar beet, 15; peanut, 12; canola, 13; apple, 15; pear, 10; almond, 5; pecan, 5; pistachio, 3; cherry, 8; peach, 12; plum, 8; grape, 13 |
| 4 Dec 2015 Not confirmed | Afidopyropen (999) [Meiji SeikaPharma/ BASF] [USA] (insecticide) 4 Dec 2015 | Afidopyropen [BASF] (999) | Registered? n MRLs>LOQ? y | USA- Citrus fruits, Pome fruits, Stone fruits, Brassica (Head, flowering), Fruiting vegetables (tomatoes, peppers), Fruiting vegetables (Cucurbits), Leafy (head, leafy lettuce, spinach), Brassica, leafy (Mustard greens), Soybeans, Potatoes, Celery, Tree nuts, Cotton | Citrus (lemon, 8; oranges, 12; grapefruit, 6); pome fruit (apple, 15; pear, 9); stone fruit (peaches, 13; plum, 10; cherry, 8); Brassica (head cabbage, 10; broccoli, 10); cucurbits (cucumber, 9; cantaloupe, 8, squash, 10); fruiting vegetables (tomatoes, 20; sweet bell peppers, 7; nonbell peppers, 3); leafy lettuce (8); head lettuce (9); spinach (9); mustard greens (8); soybean (20); potato (20); celery (10); tree nuts (almonds, 5; pecans, 5; pistachios, 3); cotton |
| 4 Dec 2015 Priority 1 | Metconazole (999) | Metaconazole [Valent USA | Registered US MRLs > LOQ | USA- Stone fruit group; Blueberry; Banana; Garlic; Onion, Bulb; Legume vegetables; | USA- Banana (12), barley grain (28), blueberry (11), cotton seed (12), corn/maize (20), sweet corn (12), tree nuts (10), peanuts |

| Date Stamp | TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|--|---|---------------------|----------------------------------|---|--|
| 22 Nov 2016 Request to reschedule from 2018 to 2019 | [Valent USA Corporation, on behalf of Kureha Corporation Japan] (fungicide) | Corporation] (999) | | Pulses; Soya bean; Root and tuber vegetables ¹ (except Sugar beet (root)); Sugar beet (roots); Barley; Maize; Oats; Rye; Triticale; Wheat; Sugar cane; Tree nuts; Oilseed (except Cotton seed, Peanuts, Soya bean and Sunflower)**; Cotton seed; Peanuts; Sunflower seed; Meat (from mammals other than marine mammals); Mammalian fats (except milk fats); Edible offal (Mammalian); Milks; Poultry meat; Poultry fats; Poultry, Edible offal; Egg; Peanut oil, crude | (14), soya bean (30), stone fruits (22), sugar beet roots (12), sugarcane cane (8), sunflower (12), oats (12), rape oilseed (16), dried shelled peas pulses (15), dry beans (19), triticale wheat (31), potato (32), fresh legumes, peas without pod (13), onion (4), garlic (3) |
| 19 April 2016 Priority 1 | Triflumuron [Bayer] | Triflumuron [Bayer] | Registered Y | Soybean | |
| 30 Nov 2016 | Orthosulfamuron (999) (herbicide) [Nihon Nohyaku Co., Ltd.] US, Brazil | Orthosulfamuron | Registered US, Brazil MRLs > LOQ | Rice (US, Brazil); Sugarcane (Brazil) | Rice (16 US, 4 Brazil); Sugarcane (8 Brazil) |
| 28 Nov 2016 | Pyflubumide (999), (insecticide), [Nihon Nohyaku Co., Ltd.] Japan | Pyflubumide | Registered Japan MRLs > LOQ | Tea | Tea (6) |
| 16 March 2017 | Pyridate [Belchim Crop Protection] | Pyridate | Registered Y MRL > LOQ | Alfalfa, cabbage, kale/collard, clover, Leek /spring onion/chive,, Onion/shallot/garlic, chickpea | Alfalfa, cabbage, kale/collard, clover, Leek /spring onion/chive,, Onion/shallot/garlic, chickpea Number of field trials to be advised |
| 16 March 2017 | Valifenalate [Belchim Crop Protection] | Valifenalate | Registered Y MRL > LOQ | Grape, Tomato/aubergine, Onion/shallot/garlic | Grape, Tomato/aubergine, Onion/shallot/garlic Number of field trials to be advised |

2019 NEW USES AND OTHER EVALUATIONS

| Date Stamp | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|---|--|---|---|---|
| 23 Nov /2016 | | Acetochlor (280) [Monsanto Co.] | Soya bean | Soybean (21) |
| 30/09/2016 Syngenta requested move from 2018 | | Benzovindiflupyr (261) [Syngenta] | Blueberry, onion (dry), onion (green), sugar cane | Blueberry, onion (dry and green) (14), sugar cane (8) |
| 30 Nov 2016 | Boscalid Evaluation of metabolite data being relevant for new uses | Boscalid (221) [BASF] | Registered? Yes MRLs > LOQ? Yes - all commodities listed for evaluation: POME FRUITS, TROPICAL FRUITS (AVOCADO, MANGO, PAPAYA, POMEGRANATE), CUCURBITS, SUGAR CANE, TEA, HERBAL INFUSIONS (GINSENG)POME FRUITS, TROPICAL FRUITS (AVOCADO, MANGO, PAPAYA, POMEGRANATE), CUCURBITS, SUGAR CANE, TEA, HERBAL INFUSIONS (GINSENG) | Pome fruits (54 field and 6 postharvest trials), cherry (55), tropical fruits (avocado (7) mango (9)), berries (strawberry (54 field and 31 greenhouse trials), raspberry (37), blackberry (4), blueberry (20)), cucurbits edible peel (22 greenhouse and 35 field trials), cucurbits inedible peel (54 field and 6 greenhouse trials), ginseng (extrapolation from carrot, 8 field trials), tea (8) |
| 18 July 2016 | | Chlorantraniliprole (230) [Dupont] | PALM OIL (MALAYSIA) LABEL PROVIDED ON 18 JULY 2016 | Palm oil (8) |
| 30/09/2016 Syngenta requested move from 2018 | Chlorothalonil (81); (fungicide) [Syngenta] | Chlorothalonil (81); (fungicide) [Syngenta] | orange; lemon; grapefruit; lettuce; strawberry; almond; radish (root veg); mustard greens; guava; lychee, usa- cranberry (under the 4 year rule). | Orange (12), Lemon (5), Grapefruit (6), Lettuce (13), Strawberry (8), Almond (5) radish (7); mustard greens (9); guava (5); lychee (4) cranberry (5) |
| 1 July 2016 | | Clofentezine (156) [ADAMA] | Hops (IR4) | Hops (5) |
| 22 Nov 2016 | | Cyclaniliprole [Ishihara Sangyo Kaisha] USA (Cpd no. not assigned yet) | Berries and other small fruits, Citrus Fruits, Root and tuber vegetables | Blueberry (10), Raspberry (5), Strawberry (9), Kiwi (3), Orange (12), Grapefruit (6), Lemon (5), Potato (25) |
| March 2017 | | Cyantraniliprole [DuPont] USA | CRANBERRY, BLUEBERRY, ALMOND | cranberry (7), blueberry (8), almond (12) |
| 2015 | | Chlorpyrifos-methyl (90) [Dow AgroSciences] Australia | WHEAT, BARLEY, SORGHUM 4 YEAR RULE from 2015 | |
| | | Cypermethrins (118) [BASF], [FMC] | Public health concerns - acute dietary risk- Netherlands – check uses for peach based on existing residue data and labels; Republic of Korea (ginseng) | Ginseng (4) |
| 23 Nov 2016 | | Fenpyroximate (193) (acaricide) [Nihon Nohyaku Co., Ltd.] USA | Citrus; Banana; Celery; Caneberry; Summer squash; Watermelon | Citrus (24 US) [Orange (13 US), Grapefruit (6 US), Lemon (5 US)]; (Banana (5 US); Caneberry (7 US) [Blackberry (3 US) Raspberry (4 US)]; Celery (8 US); Summer Squash (5 US); Watermelon (4 US) |
| 28 Nov 2016 | | Fluazifop-p-butyl (999) (herbicide) [Syngenta] USA | Blueberry; Caneberry; Lettuce; Strawberry; Onion; Mustard Greens; papaya | Blueberry (9); Caneberry (6); Lettuce (26); Strawberry (6); Onion, green (4); Mustard Greens (12); papaya (8) |

| Date Stamp | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|--|------------|--|---|--|
| 20 Apr 2016 | | Fluensulfone (265) [ADAMA] | Grapes, peanuts | Grapes (12), peanuts (12) |
| 25 Nov 2016 | | Flupyradifurone [Bayer] (285) | BLACKBERRY, RASPBERRY, AVOCADO, POMEGRANATE, HOP, COCOA AND COFFEE | Blackberry (4), raspberry (7), avocado (4), pomegranate (4), hop (11+2p), cocoa (9+2P) and coffee |
| 8 Dec 2016 | | Fosetyl-AI [Bayer] (999) | PEACH, BLACKBERRY, RASPBERRY, BLUEBERRY, CRANBERRY, KIWI, CABBAGE, BROCCOLI, CAULIFLOWER, GREEN MUSTARD, KALE, CELERY, CHICORY WITLOOF, COFFEE, SPICES | Peach (9), blackberry (12), raspberry (6), blueberry (3), cranberry (5), kiwi (8), cabbage (28), broccoli (10), cauliflower (15), green mustard (14), kale (4), celery (5), chicory witloof (8), coffee (5), spices (7) |
| 30/09/2016 Syngenta requested move from 2018 | | Lambda-cyhalothrin (146) [Syngenta] | pineapple | Pineapple 8 |
| 1 Dec 2016 | | Mandestrobin Canada (999) | STRAWBERRY, GRAPE, CANOLA | Strawberry (10), grape (16), canola (23) |
| Priority 1 30/09/2016 Syngenta requested move from 2018 | | Mesotrione [Syngenta] | CITRUS, POME FRUIT, STONE FRUIT, TREE NUTS | Citrus – orange, grapefruit, lemon (23), Pome fruit – apple, pear (18), Stone fruit – cherry, peach, plum (21), Tree nuts – almond, pecan (10) |
| 6 Dec 2016 | | Pendimethalin (292) (herbicide) [BASF] – USA | Cane berries (FB 2005), Bush berries (FB 2006), | Raspberry (3), Blackberry (4), Blueberry (7), Strawberry (8), Mint (4) |
| 21 Nov 2016 | | S-Methoprene Wellmark International - EPA Reg. No. 2724-442 | PEANUTS | Peanuts (1) - (4 farm sites, 5 different peanut varieties) |
| 22 Nov 2016 | | Pyriofenone [Ishihara Sangyo Kaisha] USA (Cpd no. not assigned yet) | Fruiting vegetables, other than Cucurbits | Tomato (23), Bell pepper (9), Non-bell pepper (3) |
| 23 Nov 2016 Request by US to reschedule the residue evaluation currently schedule for the 2018 new compound evaluation to 2019 | | Pyrifluquinazon (999) (insecticide) [Nihon Nohyaku Co., Ltd.] USA, Japan | 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 (US); Tea (Japan) | Almonds (5); pecans (5); grape (table) (12); raisin, juice (if MRL not included under table grape); plum (6); peach (9); cherry (6); apple (12); pear (6); lemon (5); grapefruits (6); oranges (12); cantaloupe (6); cucumbers (6); summer squash (5); peppers (12); tomatoes (8); leaf lettuce (7); head lettuce (7); celery (8); spinach (7); cauliflower (6); cabbage (8); mustard greens (5); potatoes (16); cotton seed (12); tea (6) and corresponding animal commodity MRLs |
| 1 July 2016 | | Spirotetramat (234) [Bayer] | Strawberry; carrot; sugarbeet | Strawberry (10); carrot (24); sugarbeet (19) |
| 1 July 2016 | | Thiamethoxam(245) [Syngenta] | Persimmon (Korea); Rice [Syngenta] Strawberry; Cherry tomato | Persimmon (6); Rice (8) Strawberry(6); Cherry tomato(6); |
| 25 Nov 2016 | | Tebuconazole [Bayer] (189) | CITRUS | 4 trials orange, 4 trials mandarin, 3 processing trials (orange) |
| Priority 1 30/09/2016 | | Thiabendazole [Syngenta] | LEGUMES AND PULSES | Legumes and pulses (48) |

| Date Stamp | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|-------------|---|---|--|---|
| 23 Nov 2016 | | Tolfenpyrad (269) (insecticide) [Nihon Nohyaku Co., Ltd.] USA | Pome fruit; Cucurbits; Fruiting veg.; Brassica; Citrus; Avocado; Onion; Blueberry; Strawberry; Caneberry; Greenhouse Tomato; Greenhouse Cucumber | Apples (16); Cucumbers (6); Cantaloupe (6); Summer Squash (5); Tomatoes (12); Peppers (9); Cauliflower (6); Cabbage (6); Mustard Greens (5); Orange (12); Lemon (5); Grapefruit (6); Avocado (5); Onion (10); Blueberry (11); Strawberry (8); Caneberry (6); Greenhouse tomato (4); Greenhouse cucumber (4) |
| 27 Nov 2014 | XDE-777 (999) Dow AgroSciences United Kingdom fungicide | XDE-777 (999) Dow AgroSciences; France | Wheat, triticale, rye and durum | Cereals (Wheat 8 trials) |

2020 NEW COMPOUND EVALUATIONS

| Date Stamp | TOXICOLOGY | RESIDUE | Prioritisation criteria | Commodities | Residue trials provided |
|------------------------------|--|---|---|--|--|
| 8 Sept 2016 Not confirmed | SYN407 (999) (insecticide) [Syngenta] | SYN407 (999) (insecticide) [Syngenta] | Registered – No (status 2016) MRLs > LOQ | Rice, Soybean, Citrus, Cotton, Fruiting vegetables (Tomato, Pepper), Cucurbits (Cucumber/squash, Melon) | Rice (8), Soybean (20), Citrus (16), Cotton (4), Fruiting vegetables (Tomato (13), Pepper (13)), Cucurbits (Cucumber/squash (8), Melon (8)) |
| 8 Nov 2016 | Fluazaindolizine (XXX) (nematicide) [DuPont] – USA | Fluazaindolizine (XXX) | Registered n MRLs > LOQ y | Treated crops: Eg. Fruiting vegetables, cucurbit vegetables, carrots, potatoes; Rotational crops: Eg., tomatoes, strawberries, carrots, radish, turnip, sugarbeet, celery, broccoli, leaf lettuce, Swiss chard, peas (dry), soybeans, oilseed rape; field corn (maize), wheat | Treated crops: tomatoes (27), peppers (26), cucumbers (18), melons (18), squash (17), carrots (11), potatoes (22), Rotational crops: tomatoes (10), Strawberries (10), Carrots (3), Radish (2); Turnip/Sugarbeet (5), Celery (5), Broccoli (10), Leaf Lettuce (10), Swiss chard (5), Peas (dry) (10), soybeans (5), oilseed rape (5), field corn (maize) (10), wheat (10) |
| 6 Dec 2016 | Ethalfuralin [Gowan] - Canada | Ethalfuralin | Registered MRLs = LOQ | Pulses | |

2020 NEW USES AND OTHER EVALUATIONS

| Date Stamp | TOXICOLOGY | RESIDUE | Commodities | Residue trials provided |
|---------------|------------|------------------------------|------------------------|-------------------------|
| 5 April 2017 | | Pyraclostrobin (210) BASF | Ginseng (Rep of Korea) | |
| 16 March 2017 | | Thiamethoxam(245) [Syngenta] | Ginseng (Rep of Korea) | Ginseng(6) |

TABLE 2A: PRIORITY LISTS OF PERIODIC REVIEWS – 2019-2021

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”

2019 PERIODIC REVIEW

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|---------------------|--|--|---------------------|--------------|--------------|
| Aldicarb (117) [AgLogic Chemical LLC] Tox conducted in 1997 | aldicarb | Awaiting advice on commodities to be supported | Yes | 1995 | 0.003 - 1992 | 0.003 - 1995 |
| Amitraz (122) [Arysta Lifesciences] | Amitraz (122) | | Falls under the 15-year rule (listed in Table 2B), last evaluation in 1998. The EU proposes to submit a concern form on the basis of public health concerns. The EU and JMPR ARfD and ADI for amitraz are equal. All EU MRLs are set at LOQ.No EU evaluation of residue trials is available. Therefore the acute risk assessment was performed with the existing CXLs.However, when applied in the EFSA PRIMo model exceedances are observed for oranges (663%), apples (490%), pear (455%), peaches (297%), cucumber (292%), tomatoes (291%) for children. Refinement (IESTI 2) of the variability factors would still lead to exceedances of the ARfD for the same crops (211-480%). In addition, even without including the LOQs for the crops without MRLs, the highest calculated TMDI values in % ADI are 254 and 146 in DE and NL child, with pome fruit attributing the most (>100 % of the ADI). It is acknowledged that the use of the STMRs would lower the long-term dietary exposure by approximately a factor of 4-5, whereby exceedance of the ADI is no longer envisaged. Using the FAO IESTI spreadsheets and JMPR ARfD, the ARfD is exceeded in case of oranges (150-290%), apple (280-360%), pear (280-290%), peaches (150-260%), cucumber (130-200%), tomatoes (110-320%). It is acknowledged that the use of HRs would lower the dietary exposure by approximately a factor of 2, but this would still result in exceedances of the ARfD. | 1998 | 1998 0.01 | 1998 0.01 |
| Azinphos-methyl (2) Not supported JMPR JMPR 2007 ARfD0.1 | Azinphos-methyl (2) | | The EU submitted a concern form in October 2015. Azinphos-methyl was re-evaluated concerning toxicology in 2007 with concerns mentioned by EU in CCPR 2008 due to the use of human data. The re-evaluation for residue behaviour was announced for 2010 but then did not take place as the substance was no longer supported. The substance is not authorised in the EU. It is of public health concern as the ARfD established by JMPR is exceeded for several commodities when using EU consumption data: 185% of ARfD for pears; 135% oranges which might be of no concern taking into account distribution between peel and pulp; Peaches (120%); Pine apples (105%). | | 2007 0.03 | 2007 0.1 |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|---------------------------|---|---|---------------------|---------------------------------------|---------------------------------------|
| | | | As the substance is falling under the 15 year rule and it has been confirmed at several meetings of the CCPR that it is no longer supported worldwide, the existing CXLs should urgently been withdrawn (2010 CCPR, para 178; 2011 CCPR, Appendix X; 2012 CCPR, para 166; 2014 CCPR, Appendix XV; 2015 CCPR, Appendix XV). | | | |
| Carbosulfan (145) Carbofuran (96) [FMC Corporation] | Carbosulfan Carbofuran | Awaiting advice on supported commodities Asparagus; egg plant, mango (Thailand) | Netherlands – public health concerns Carbosulfan: Not approved (September 2007, RMS BE) - Information insufficient with regard to consumer exposure Concerns identified with regard to toxicity of the substance and presence of unknown levels of carcinogenic impurities which may increase during storage, Consumers exposure inconclusive due to uncertainties regarding the effects of certain metabolites, some of which could be genotoxic Carbofuran: Not approved (September 2007, RMS BE) - Information insufficient with regard to consumer exposure. Concerns identified - High toxicity of the substance and some of its metabolites, Consumer exposure inconclusive | 1997 | 0.01 (1986) 0.001 (1996) | 0.02 (2003) 0.001 (2009) |
| Dicloran (83) | Dicloran (83) | | Not approved (April 2008 and May 2011, RMS ES) - Concerns identified with regard to the the toxicological relevance of several impurities in the technical material (relevant for residues in food?) and with regard to consumer risk assessment in following crops. | 1998 | 0.01 (1998) | NR (2003) |
| Dimethoate [Cheminova] [FMC] (027) | Dimethoate | Pulses (Canada) - Dry beans (3 trials), succulent beans (3 trials), dry peas (5 US trials and 10 EU trials), succulent peas (3 US trials and 2 EU trials), edible-podded peas (6 US trials) | EU concerns ARfD JMPR 2003 Acute risk for citrus and cherries Sum of dimethoate and omethoate expressed as dimethoateIn the 2003 evaluation by JMPR an ARfD was established. However, in the exposure assessment for the acute risk the highest residue was not used in the case of citrus. Using the HR would lead to an exceedance of the ARfD of 230%. Furthermore, the CXL of 2 mg/kg for cherries leads to an unacceptable acute risk for children and should be revised. Await advice from JMPR on public health concerns | | 0.002, 1996 | 0.02, 2003 |
| Fenarimol (192) [Gowan] Not supported by the manufacturer Concern form lodged | Fenarimol | 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. 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. | 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. For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/161r.pdf . | 1995 | 0.01 - 1995 | N/A |
| Phosalon (60) [Cheminova] | Phosalon (60) | | Falls under the 15-year rule (listed in Table 2B), last evaluation in 1997. The EU proposes submit a concern form on the basis of public health concerns. The substance is not authorised in the EU. EU has established a lower ADI and ARfD than JMPR. | 1997 | 1997 0.02 | 2001 0.3 |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|------------|---------|-------------|---|---------------------|-----|------|
| | | | Using the EU ARfD and ADI of 0.01 mg/kg, the EU MRLs and the Codex MRL for apple and pome fruit for phosalone leads to exceedance of ADI, with apple contributing most (114-639 %) in various populations. In the short-term dietary risk assessment these MRLs lead to exceedances of the EU ARfD not only in apples (490%), but also in pears (180%) and peaches (120%). The impact of the metabolite oxaphosalone has not been taken into account, but will only add to the dietary exposure. With the ARfD of the JMPR at 0.3 mg/kg bw and the ADI at 0.02 mg/kg bw/day, there are no exposure concerns. Awaiting advice on supported commodities Durian (Thailand) | | | |

2020 PERIODIC REVIEW

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|--|--------------------|---|--|---------------------|----------------|--------------|
| Diazinon (22) [Makhteshim– Agan] | Diazinon | Note: Diazinon is already scheduled for toxicological and residue assessment by an interim JMPR to be held in Spring 2016, based on concerns raised by IARC on the possible carcinogenic properties of the substance (see Summary Report JMPR2015). | Falls under the 15-year rule (listed in Table 2B), last evaluation in 1996. EU Concerns are as follows: The substance is not authorised in the EU. The EU-ADI of 0.0002 mg/kg bw/day) is much lower than the JMPR ADI (0.005 mg/kg bw/day). Using the existing CXLs and the EU ARfD/ADI in the EFSA PRIMo model, serious public health concerns are identified after long-term dietary exposure of diazinon. An acute dietary risk assessment was performed using CXLs. When using the JMPR IESTI model, the JMPR-ARfD is not exceeded. By using the EFSA PRIMo model and the CXLs, the EU-ARfD is exceeded (IESTI 1) in case of scarole (175%), plums (132%), carrots (127%), melons (121%), apples (118%), broccoli (117%), tomatoes (116%), pears (105%), head cabbage (105%), bovine meat (102%). Refinement (IESTI 2) of the variability factors would still lead to exceedances of the ARfD for scarole, melons, plums and bovine meat (102-175%). Use of the HR would lower the short term exposure by a factor of 2 which would not result in an exceedance of ARfD. Even without including the LOQs for the crops without MRLs, the highest calculated TMDI values in % (EU) ADI are 376-4990% in various populations (child, toddlers, general public) and countries, with meats, pome fruit, carrots and sugar beets contributing the most (all >>100 % of the ADI). It is acknowledged that the use of the STMRs would lower the long-term dietary exposure by approximately a factor of 4-5, but this would still lead to an exceedance of the ADI. | 1996 | 2006 0.005 | 2006 0.03 |
| Ethoxyquin (35) One CXL - pear | Ethoxyquin (35) | | The substance is not authorised in the EU and no import tolerances exist. EFSA concluded that the metabolism data used by JMPR for establishing the residue definition for enforcement and risk assessment could not be confirmed as the metabolism data showed deficiencies using the JMPR residue definition. EFSA concluded that the CXL for pears exceeded the ARfD (109%) and proposed to lower the EU MRL to the LOD. The last periodic review of residues was performed by JMPR in 1999 and of toxicology in 1998. This is approximately 15 years ago. It seems that Japan has recently performed a toxicological evaluation of the substance. COMMENT: a toxicological review occurred in 2005 – reviewed ADI and set ARfD | | 0.005, 2005 | 0.5, 2005 |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|-------------------------------|--|--|---------------------|------------------------------------|----------------|
| 202 – Fipronil [BASF] | 202 - Fipronil | | 006 Assorted tropical and sub-tropical fruits – inedible Peel; 006 Assorted tropical and sub-tropical fruits – inedible Peel; 006 Assorted tropical and sub-tropical fruits – inedible Peel; 006 Assorted tropical and sub-tropical fruits – inedible Peel; 015 Pulses; 016 Root and tuber vegetables; 020 Cereal grains; 021 Grasses for sugar or syrup production; 04 Nuts and seeds; 023 Oilseeds | 2000/01 | 2000 0.0002 | 2000 0.003 |
| Iprodione (111) (FMC) Moved at the request of manufacturer – await completion of EU, Canada and US reviews | 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) | FMC Trials: 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 |
| Methidathion (51) Manufacturer support from Zenno Chem for mango and peach scheduled for 2020 If no support for existing CXLs, then revocation of CXLs at CCPR49. | Methidathion (51) insecticide | Peach, mango | The active substance has been re-evaluated for residues (after its first inclusion in 1972) in 1992. An ARfD was derived in the toxicological re-evaluation in 1997. 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. 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. 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. Citrus fruits also exceeded the ARfD (up to 6631%). 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 to 301%). For further details see EFSA evaluation on the internet at http://www.efsa.europa.eu/en/efsajournal/doc/1639.pdf . | 1992 | 0.001 - 1997 | 0.01 - 1997 |
| Pirimicarb (101) Syngenta | Pirimicarb (101) | Supported by the manufacturer | Public health concerns - acute dietary risk– Netherlands – check uses for peach and lettuce based on existing residue data and labels Moved from 2017 New use and other evaluations | 2004 | | |
| Prochloraz (142) [Bayer CropScience] | | | Last reviewed by JMPR in 2001. In 2011, Prochloraz was re-evaluated in the EU and a lower acute toxicological endpoint of 0.025 mg/kg/bw/d was established compared to a value of 0.1 set by JMPR in 2001. From the JMPR report (2004) the IESTI was calculated to be greater than 25% of the ARfD at 0.1 for several commodities. With a lowering of the ARfD by a factor of 4, the CXLs for banana, edible offal (mammalian), grapefruit, mandarin, orange, papaya, pineapple, shaddocks/pomelos are expected to be of concern. The EU values were derived from 2 studies that do not appear to have featured in the JMPR evaluation. The multi-generation rat study “Reader 1993” submitted as part of a dossier by a notifier and a 90 day dog study “ Lancaster 1979” submitted by another notifier. In addition a change in the interpretation the significance of extended gestation in both the “Cozen 1980 study” and the “Reader 1993” study also impacted. It should also be noted the many papers reviewed as part of the literature search around prochloraz were also considered when the list of endpoints and critical values were set. | | 0.01, 1983 confirmed 2001 | 0.1, 2009 |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|------------------------|---|---|-------------------------------|---------------------|--------------------------------------|
| Quintozene (64) [Crompton–AMVAC] | quintozene | | Falls under the 15-year rule (listed in Table 2B), last evaluation in 1995. The EU proposes submit a concern form on the basis of public health concerns. Quintozene containing more than 0.1% hexachlorobenzene is banned in the EU. For quintozene (containing less than 0.1% hexachlorobenzene), the necessity for deriving an ARfD has not been assessed (EU or JMPR). Using the CXLs, the JMPR IESTI model and the ADI as surrogate ARfD, an exceedance of the ARfD is found for ginger root (240%); no exceedance is found for the EFSA PRIMo model. Using the (temporary) ADI of 0.01 mg/kg bw/day, the TMDI in the long-term dietary risk assessment does not exceed the ADI using the Codex MRLs and the EFSA PRIMo model. However, there are many uncertainties regarding the metabolites that can be formed, depending on application of the active substance at growth stage and on type of plant. There is a lack of sufficient data to exclude consumer risks. | 1995 | 1995 0.01 | 1995 n/a |
| Dithiocarbamates (105) [Taminco] (ferbam, maneb/mancozeb, propineb, thiram, ziram) MOVE to 2020 22 2016 Additional advice; US Supports Mancozeb, Metiram, Propineb, Thiram, Ziram | Dithiocarbamates (105) | Longan (Thailand – mancozeb) Mancozeb: Oranges (24), Mandarins (16), Nuts (10), Apples (48), Pears (4), Peaches (8), Apricot (8), Plums (28), Cherries (16), Grapes (2*), small fruits and berries (25), Potato (16), Carrot (24), Onions (24), Tomatoes (31), Pepper (18), Courgette (14), Cucumber (36), Melon (20), Broccoli (24), Cauliflower (20), Head cabbage (32), Lettuce (22), Witloof (4), Beans/Peas, fresh with pods (29), Beans, fresh without pods (8), Peas, fresh without pods (16), Asparagus (10), Leeks (19), Pulses, dry (24), Olives (15), Wheat (26), Barley (16), Sugar beet (16) *Additional trials in progress Metiram: Grape (23); Potato (23); Apple (15); Tomato (15); Onions (8); Lettuce (20); Cucurbits edible peel (8); Cucurbits inedible peel (8); Passion Fruit (4); Banana (12); Pineapple (4) | Residue definition applies to all DTC – propineb; mancozeb; ferbam; ziram; thiram; maneb; metiram; zineb Netherlands - public health concerns Several (serious) public health risks have been identified for several dithiocarbamates (Maneb/mancozeb, propineb, thiram, ziram) using EU data (ARfD and MRLs with conversion factor corrections). JMPR has not derived ARfDs for these substances (except an interim ARfD of 0.1 mg/kg bw for propineb) nor performed acute dietary risk assessment as it was not yet done at that time (before 2000). Various group ADI's for several dithiocarbamates (e.g. 0.03 mg/kg for maneb, mancozeb, metiram and zineb, 0.007 mg/kg for propineb, 0.003 mg/kg for ziram and ferbam, and 0.01 mg/kg for thiram). We acknowledge that a periodic review of propineb has been performed in 2004. Still a risk has been identified for peppers and (dried) tomatoes using the HR for peppers of 13 mg/kg and the HR for tomatoes of 2.9 mg/kg for propineb and the interim ARfD of 0.1 mg/kg bw. Processing data have not been included in this calculation. For <u>thiram</u> risks have been identified for e.g. use on apples and pears (recommended MRL of 5 mg/kg listed under ziram, no STMR or HR listed, Annex I, JMPR report 2004 from http://www.fao.org/fileadmin/templates/agphome/documents/Pests_Pesticides/JMPR/Reports_1991-2006/report2004jmpr.pdf) falling back on the use of the ADI of 0.01 mg/kg bw/day (no ARfD exists). Using the EU ARfD of 0.6 mg/kg bw no risks are identified any more. For <u>ziram</u> risk are identified e.g. use pome fruit, even if making use of the EU ARfD (0.08 mg/kg bw) instead of falling back on the ADI of 0.003 mg/kg bw/d in the absence of an JMPR ARfD. Due to time constraints, we have not yet further explored the risks identified for maneb / mancozeb. The majority of the dithiocarbamates have been evaluated prior to the date that acute dietary risk assessment became part of the JMPR evaluations. We propose therefore to update the evaluations with regard to the acute dietary risk assessment of all the dithiocarbamates in one overall assessment. This would enable identification of all the possible risks, establish whether re-evaluation of the existing data for specific uses is appropriate, whether an ARfD should be derived, and to determine whether they should subsequently be placed on the priority lists. Conversion factors (from CS ₂ to active substance) are not listed in the Annex: Mancozeb: 1.783, Maneb: 1.743, Propineb: 1.904, Thiram: 1.580, Ziram: 2.009 | 1996T, 1993R, (2004 propineb) | Range of group ADIs | Interim ARfD propineb 0.1 mg/kg 1995 |

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|------------|---------|--|----------|---------------------|-----|------|
| | | <p>Propineb: apples (50); grape (54); mango (5); citrus (31); tomato (36); potato (31); chili pepper (11); cucumber (27); rice (8); shallot (8)</p> <p>Thiram (foliar): Apple (25); Pear (10); Apricot (7); Peach (12); Cherry (28); Strawberry (40); Plum (12); Olive (8); Grape (13); Eggplant (2); Lettuce (9); Sunflower (4); Avocado (6); Mango (1); Banana (17)</p> <p>Thiram (seed): Sugar beet (4); Maize (8); Oilseed rape (8)</p> <p>Ziram (foliar): Peach (6); Apricot (4); Plum (11); Pear (21); Cherry (11); Grape (5); Tomato (7); Blueberries (4)</p> | | | | |

2021 PERIODIC REVIEW

| TOXICOLOGY | RESIDUE | Commodities | Comments | Previous evaluation | ADI | ARfD |
|---|-------------------------|--------------------------------|--|---------------------|----------------|-----------|
| Bromide ion (47) | Bromide ion (47) | | No Croplife manufacturer responsible Last reviewed over 25 years ago - Not cleared toxicologically by JMPR Bromide ion from all sources but not including covalently bound bromine, Methyl bromide (52) – guideline CXLs | 1988 | 1.0 - 1988 | N/A |
| Fenbutatin oxide (109) | Fenbutatin oxide | | National registrations - Y No supporting member country No longer supported by manufacturer | 1992 | 0.03 - 1992 | N/A |
| Guazatine (114) | Guazatine (114) | | Guazatine was first discarded as not having an ADI/ARfD at all. However, this appears to be a special case. In 1978 an ADI was derived, which was withdrawn in 1997 since “The Meeting concluded that it could not establish an ADI for guazatine owing to the inadequate information on its composition and concerns about the production of rare malignant tumours in mice”. “The Meeting estimated the maximum residue level shown in Annex I. As the Meeting withdrew the ADI for guazatine this is recorded only as a Guideline Level”. As such no CXLs are supposed to be available. However, a CXL for cereal grains (0.05* mg/kg G = guideline value) and citrus fruit (5 mg/kg Po = post harvest use) can still be found in the Codex Alimentarius. Annex 1 and Annex 2 of the JMPR 1997 evaluation, show that the CXL for Citrus fruits of 5 mg/kg Po is withdrawn, but that for cereals a maximum residue level of 0.05* mg/kg is proposed. The CXL of 5 mg/kg has been adopted by the CCPR in 1999. It is unclear which discussion is behind this. The problem is that this specific MRL-crop combination gives rise to a human health risk. Only “guideline levels” (5 mg/kg) for citrus exist since the ADI was withdrawn in 1997. It was recommended that these guideline levels would remain until a new ADI is recommended. It is proposed either to delete the guideline level or request sponsors to support a re-evaluation of guazatine. There are no CXLs in place in CX/PR 14/46/5 – instead guideline levels are set – clarification from Codex Secretariat is sought. | | Withdrawn 1997 | N/A |
| Hydrogen phosphide, (zinc and aluminium salts) (46) | Hydrogen phosphide (46) | Cereal grains, citrus, almonds | No Croplife manufacturer responsible – request for additional preparation time | 1971 | NR | N/A |
| Permethrin (120) | Permethrin (120) | Not supported | Not supported by manufacturer Last reviewed over 25 years ago | 1987 | 0.05 - 1999 | NR - 1999 |

TABLE 2B: PERIODIC REVIEW LIST (COMPOUNDS LISTED UNDER 15 YEAR RULE BUT NOT YET SCHEDULED OR LISTED)

Compounds listed in this table have not been evaluated for at least 15 years. Decisions on the prioritization of these compounds should be based on the relevant criteria specified in pp159-161 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 | Current national registrations | Previous evaluation | ADI | ARfD |
|---|--------------------|--|--------------------------------|-------------------------------|---------------|----------------------------|
| Fenthion (39) | fenthion | No longer supported by the manufacturer | yes | 1995 | 0.007 - 1995 | 0.01 - 1997 |
| Disulfoton (74) | disulfoton | No longer supported by the manufacturer | yes | 1996 | 0.0003 - 2006 | 0.003 - 2006 |
| Fenbuconazole (197) [Dow AgroSciences] | fenbuconazole | Awaiting advice on supported commodities | yes | 1997 | 0.03 (1997) | 0.2 (2012) |
| Dinocap (87) | dinocap | No longer supported by the manufacturer | yes | 1998 | 0.008 - 1998 | 0.008 WCBA 0.03 general |
| Maleic hydrazide (102) [Chemtura] | maleic hydrazide | Awaiting advice on supported commodities | yes | 1998 | 0.3 (1996) | N/A |
| Amitrole (79) [Nufarm] | amitrole | Awaiting advice on supported commodities | yes | 1998 | 0.002 (1997) | N/A |
| Pyriproxyfen [Sumitomo] (200) | pyriproxyfen | Awaiting advice on supported commodities | yes | 1999 | 0.1 (1999) | NR (1999) |
| Malathion [Cheminova] (049) | malathion | Awaiting advice on supported commodities | yes | 1999 | 0.3 (1997) | 2.0 (2003) |
| 2-phenylphenol (056) [??? | 2-phenylphenol | manufacturer unknown | yes | 1999 | 0.4, 1999 | NR 1999 |
| Parathion-methyl (059) [Cheminova] | Parathion-methyl | Awaiting advice on supported commodities | yes | 1994R, 1995T | 0.003, 1995 | 0.03, 1995 |
| Bitertanol (144) [Bayer CropScience] | Bitertanol | Awaiting advice on supported commodities | Yes | 1998T, 1999R | 0.01, 1998 | NR 1998 |
| 2,4-D [Dow AgroSciences] (020) | 2,4-D | Awaiting advice on supported commodities | yes | 1996T, 1998R, 2001T(ARfD), | 0.01, 1996 | NR |
| Diphenylamine [Cerex Agri] (030) | Diphenylamine | Awaiting advice on supported commodities | yes | 1998T, 2001R | 0.08, 1998 | NR |
| Piperonyl butoxide [Endura] (062) | Piperonyl butoxide | Awaiting advice on supported commodities | yes | 1995T, 2001T(ARfD), 2001R | 0.2, 1995 | NR |
| Methomyl [DuPont] (094) | Methomyl | Awaiting advice on supported commodities | yes | 2001 | 0.02, 2001 | 0.02, 2001 |
| Spinosad [Dow AgroSciences] (203) | Spinosad | Awaiting advice on supported commodities | yes | 2001 | 0.02, 2011 | NR |
| Imidacloprid [Bayer CropScience] (206) | Imidacloprid | Awaiting advice on supported commodities | yes | 2001 | 0.06, 2002 | 0.4, 2002 |

TABLE 3: RECORD OF PERIODIC REVIEWS

| Code | Chemical | Initial JMPR evaluation | Periodic reviews | Scheduled (Tox) | Scheduled (Residues) | Notes |
|------|-------------------------|-------------------------|----------------------------|-----------------|----------------------|-------------------------------|
| 007 | Captan | 1963 | 1995T, 2004T(ARfD), 2000R | | | Arysta Life Science |
| 008 | Carbaryl | 1965 | 2001T(ADI, ARfD), 2002R | | | Bayer CropScience |
| 025 | Dichlorvos | 1965 | 2011T, 2012R | | | AMVAC |
| 032 | Endosulfan | 1965 | 1998T, 2006R | | | Makhteshim Agan |
| 048 | Lindane | 1965 | 2002T, 2003R, 2015 | | | EMRLs proposed |
| 063 | Pyrethrins | 1965 | 2003T, 2000R | | | No manufacturer |
| 026 | Dicofol | 1968 | 1992, 2011T | | | Not supported by manufacturer |
| 037 | Fenitrothion | 1969 | 2007T(ADI, ARfD), 2003R | | | Sumitomo |
| 041 | Folpet | 1969 | 1995T, 2007T(ARfD), 1998R | | | Makhteshim Agan |
| 031 | Diquat | 1970 | 1993T, 1994R, 2013 | | | Syngenta |
| 057 | Paraquat | 1970 | 2003T, 2004R | | | Syngenta |
| 065 | Thiabendazole | 1970 | 1997T, 1997R, 2006T(ARfD) | | | Syngenta |
| 067 | Cyhexatin | 1970 | 2005T, 2005R | | | Cerex Agri |
| 017 | Chlorpyrifos | 1972 | 1999T, 2000R, 2006 (ARfD) | | | Dow AgroSciences |
| 081 | Chlorothalonil | 1974 | 2009T, 2010R | | | Syngenta |
| 084 | Dodine | 1974 | 2000T, 2003R | | | AgriPhar SA |
| 085 | Fenamiphos | 1974 | 1997T, 1999R, 2006T(ARfD) | | | Makhteshim Agan |
| 086 | Pirimiphos-methyl | 1974 | 1992T, 2006T(ARfD), 2003R | | | Syngenta |
| 090 | Chlorpyrifos-methyl | 1975 | 2009 | | | Dow AgroSciences |
| 095 | Acephate | 1976 | 2005T, 2003R | | | Arysta Life Science |
| 100 | Methamidophos | 1976 | 2002T, 2003R | | | Bayer CropScience |
| 103 | Phosmet | 1976 | 1994T, 2003T, 1997R 2002R | | | Gowan |
| 106 | Ethephon | 1977 | 2002T(ARfD), 2015 | | | Bayer CropScience |
| 112 | Phorate | 1977 | 2004T, 2005R | | | BASF / AMVAC |
| 113 | Propargite | 1977 | 1999T, 2002R | | | Chemtura |
| 116 | Triforine | 1977 | 1997T, 2014 | | | Support from Sumitomo Co. |
| 118 | Cypermethrin | 1979 | 2006T, 2008R | | | FMC / AgriPhar |
| 119 | Fenvalerate | 1979 | 2012 | | | Sumitomo Chemical |
| 129 | Azocyclotin | 1979 | 2005T, 2005R | | | Cerex Agri |
| 133 | Triadimefon/triadimenol | 1979 | 2004T, 2007R | | | 133 /168 - Bayer CropScience |
| 135 | Deltamethrin | 1980 | 2000T, 2002R | | | Bayer CropScience |
| 132 | Methiocarb | 1981 | 1998T, 1999R, 2005R (ARfD) | | | Bayer CropScience |
| 143 | Triazophos | 1982 | 2002T, 2007R | | | Bayer CropScience |
| 149 | Ethoprophos | 1983 | 1999T, 2004R | | | Bayer CropScience |
| 146 | Lambda-cyhalothrin | 1984 | 2007T, 2008R | | | Syngenta |
| 147 | Methoprene | 1984 | 2001T, 2005R | | | Dow AgroSciences |
| 148 | Propamocarb | 1984 | 2005T, 2006R | | | Bayer CropScience |
| 151 | Dimethipin | 1985 | 1999T, 2004T(ARfD), 2001R | | | Chemtura |
| 155 | Benalaxyl | 1986 | 2005T, 2009R | | | FMC |
| 156 | Clofentezine | 1986 | 2005T, 2007R | | | Makhteshim Agan |
| 157 | Cyfluthrin | 1986 | 2006T, 2007R | | | Makhteshim Agan / Bayer |
| 158 | Glyphosate | 1986 | 2004 | | | Monsanto |
| 160 | Propiconazole | 1987 | 2004T, 2007R | | | Syngenta |
| 165 | Flusilazole | 1989 | 2007 | | | DuPont |
| 166 | Oxydemeton-methyl | 1989 | 2002T, 1998R | | | United Phosphorous |

| Code | Chemical | Initial JMPR evaluation | Periodic reviews | Scheduled (Tox) | Scheduled (Residues) | Notes |
|------|----------------------|-------------------------|---------------------------|-----------------|----------------------|--------------------------------|
| 167 | Terbufos | 1989 | 2003T | | | AMVAC |
| 169 | Cyromazine | 1990 | 2006T, 2007R | | | Syngenta |
| 171 | Profenofos | 1990 | 2007T, 2008R | | | Syngenta |
| 172 | Bentazone | 1991 | 2012T, 2004T(ARfD), 2013 | | | BASF |
| 173 | Buprofezin | 1991 | 2008 | | | Nihon Nohyaku |
| 174 | Cadusafos | 1991 | 2009T, 2010R | | | FMC |
| 175 | Glufosinate-ammonium | 1991 | 2012 | | | Bayer CropScience |
| 176 | Hexythiazox | 1991 | 2008T, 2009R | | | Nippon Soda |
| 177 | Abamectin | 1992 | 1997T, 2015 | | | Syngenta |
| 178 | Bifenthrin | 1992 | 2009T, 2010R | | | FMC |
| 179 | Cycloxydim | 1992 | 2009T, 2012R | | | BASF |
| 180 | Dithianon | 1992 | 2010T, 2013R | | | BASF |
| 181 | Myclobutanil | 1992 | 2014 | | | Support from Dow AgroSciences |
| 182 | Penconazole | 1992 | 2016 | | | Syngenta |
| 184 | Etofenprox | 1993 | 2011T,R | | | Mitsui Chemical Inc |
| 185 | Fenpropathrin | 1993 | 2012T, 2014 | | | Sumitomo Chemical |
| 189 | Tebuconazole | 1994 | 2010T, 2011R | | | Bayer CropScience |
| 190 | Teflubenzuron | 1994 | 2016 | | | Support unknown |
| 194 | Haloxfop | 1995 | 2006T, 2009R | | | Dow AgroSciences |
| 196 | Tebufenozide | 1996 | 2003T(ARfD) | | | Dow AgroSciences |
| 201 | Chlorpropham | 2000 | 2005T(ADI, ARfD) | | | Cerex Agri |
| 999 | Ethion | 2018 | None | | | n/a |
| 999 | Hexaconazole | 2018 | None | | | n/a |
| 999 | Iprobenfos | 2018 | None | | | n/a |
| 015 | Chlormequat | 1970 | 1997T, 1999T(ARfD) 1994 | 2017 | 2017 | Support from BASF |
| 051 | Methidathion | 1972 | 1997T, 1992 | 2017 | 2017 | Not supported |
| 072 | Carbendazim | 1973 | 1995T, 2005T(ARfD), 1998R | 2017 | 2017 | Nippon Soda |
| 126 | Oxamyl | 1980 | 2002 | 2017 | 2017 | Dupont |
| 187 | Clethodim | 1994 | 1999T(ARfD) | 2017 | 2017 | Support from USA |
| 188 | Fenpropimorph | 1994 | 2004T(ARfD) | 2017 | 2017 | Support from BASF |
| 193 | Fenpyroximate | 1995 | 2007T(ARfD) | 2017 | 2017 | Nihon Nohyaku |
| 199 | Kresoxim-methyl | 1998 | None | 2017 | 2017 | BASF |
| 070 | Bromopropylate | 1973 | 1993 | 2018 | 2018 | not supported |
| 110 | Imazalil | 1977 | 1977, 2000T, 2005T(ARfD) | 2018 | 2018 | Janssen |
| 138 | Metalaxyl | 1982 | 2002T | 2018 | 2018 | Quimicas del Vallés - SCC GmbH |
| 191 | Tolclofos-methyl | 1994 | None | 2018 | 2018 | Sumitomo Chemical |
| 195 | Flumethrin | 1996 | None | 2018 | 2018 | Bayer CropScience |
| 002 | Azinphos-methyl | 1965 | 2007T | 2019 | 2019 | Makhteshim |
| 027 | Dimethoate | 1965 | 1996T, 2003T(ARfD), 1998R | 2019 | 2019 | |
| 060 | Phosalone | 1972 | 1997T, 2001T(ARfD), 1994R | 2019 | 2019 | Cheminova |
| 083 | Dicloran | 1974 | 1998 | 2019 | 2019 | Gowan |
| 096 | Carbofuran | 1976 | 1996T, 2008T(ARfD), 1997R | 2019 | 2019 | FMC |
| 117 | Aldicarb | 1979 | 1992T, 1995T(ARfD), 1994R | 2019 | 2019 | AgLogicChemcial LLC |
| 122 | Amitraz | 1980 | 1998T | 2019 | 2019 | Arysta Lifesciences |
| 145 | Carbosulfan | 1984 | 2003T, 1997R | 2019 | 2019 | |
| 192 | Fenarimol | 1995 | None | 2019 | 2019 | |
| 022 | Diazinon | 1965 | 2006T, 1993 | 2020 | 2020 | Makhteshim-Agan |

| Code | Chemical | Initial JMPR evaluation | Periodic reviews | Scheduled (Tox) | Scheduled (Residues) | Notes |
|------|---|-------------------------|---|----------------------|----------------------|---|
| 105 | Dithiocarbamates - incl propineb, ferbam, ziram | 1965 | 1993R/1996T ferbam/ziram, 2004 propineb | 2020 | 2020 | Individual DTCs are evaluated, propineb 2004, ferbam/ziram 1996 |
| 035 | Ethoxyquin | 1969 | 2005T, 1999R | 2020 | 2020 | No manufacturer |
| 064 | Quintozene | 1969 | 1995 | 2020 | 2020 | Chemtura |
| 101 | Pirimicarb | 1976 | 2004 | 2020 | 2020 | Syngenta |
| 111 | Iprodione | 1977 | 1995T, 1994R | 2020 | 2020 | Support from BASF |
| 142 | Prochloraz | 1983 | 2001T, 2004R | 2020 | 2020 | Bayer CropScience |
| 202 | Fipronil | 2000/2001 | None | 2020 | 2020 | BASF |
| 046 | Hydrogen phosphide | 1965 | 1966T | 2021 | 2021 | Support unknown |
| 047 | Bromide ion | 1968 | 1988T | 2021 | 2021 | Support unknown |
| 109 | Fenbutatin oxide | 1977 | 1992T, 1993R | 2021 | 2021 | Not supported by BASF |
| 114 | Guazatine | 1977 | 1997 | 2021 | 2021 | Guideline limits – citrus, pome fruit |
| 120 | Permethrin | 1979 | 1999T | 2021 | 2021 | Not supported by manufacturer |
| 130 | Diflubenzuron | 1981 | 2001T, 2002R | JECFA comments | | Chemtura |
| 049 | Malathion | 1965 | 1997T, 2003T(ARfD), 1999R | Listed-not scheduled | Listed-not scheduled | |
| 059 | Parathion-methyl | 1965 | 1995T, 2000R | Listed-not scheduled | Listed-not scheduled | Cheminova |
| 062 | Piperonyl butoxide | 1965 | 1995T, 2001T(ARfD), 2001R | Listed-not scheduled | Listed-not scheduled | Endura |
| 030 | Diphenylamine | 1969 | 1998T, 2001R | Listed-not scheduled | Listed-not scheduled | Cerex Agri |
| 056 | 2-phenylphenol | 1969 | 1999 | Listed-not scheduled | Listed-not scheduled | No manufacturer |
| 087 | Dinocap | 1969 | 1998T, 2000T(ARfD) | Listed-not scheduled | Listed-not scheduled | Not supported by manufacturer |
| 020 | 2,4-D | 1970 | 1996T, 1998R, 2001T(ARfD) | Listed-not scheduled | Listed-not scheduled | Dow AgroSciences |
| 039 | Fenthion | 1971 | 1995, 1997T(ARfD) | Listed-not scheduled | Listed-not scheduled | Not supported by manufacturer |
| 074 | Disulfoton | 1973 | 1996T(ARfD) | Listed-not scheduled | Listed-not scheduled | Bayer CropScience |
| 079 | Amitrole | 1974 | 1997T, 1998R | Listed-not scheduled | Listed-not scheduled | Nufarm |
| 094 | Methomyl | 1975 | 2001 | Listed-not scheduled | Listed-not scheduled | DuPont |
| 102 | Maleic hydrazide | 1976 | 1996T, 1998R | Listed-not scheduled | Listed-not scheduled | Chemtura |
| 144 | Bitertanol | 1983 | 1998T, 1999R | Listed-not scheduled | Listed-not scheduled | Bayer CropScience |
| 197 | Fenbuconazole | 1997 | None | Listed-not scheduled | Listed-not scheduled | Dow AgroSciences |
| 200 | Pyriproxyfen | 1999 | None | Listed-not scheduled | Listed-not scheduled | Sumitomo Chemical / Valent Canada |
| 203 | Spinosad | 2001 | None | Listed-not scheduled | Listed-not scheduled | Dow AgroSciences |
| 206 | Imidacloprid | 2001 | None | Listed-not scheduled | Listed-not scheduled | Bayer CropScience |
| 204 | Esfenvalerate | 2002 | None | Never scheduled | Never scheduled | Sumitomo Chemical |
| 205 | Flutolanil | 2002 | None | Never scheduled | Never scheduled | Nihon Nohyaku |
| 212 | Metalaxyl-M | 2002 | None | Never scheduled | Never scheduled | Syngenta |
| 207 | Cyprodinil | 2003 | None | Never scheduled | Never scheduled | Syngenta |
| 208 | Famoxadone | 2003 | None | Never scheduled | Never scheduled | DuPont |
| 209 | Methoxyfenozide | 2003 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 210 | Pyraclostrobin | 2003 | None | Never scheduled | Never scheduled | BASF |
| 211 | Fludioxonil | 2004 | None | Never scheduled | Never scheduled | Syngenta |
| 213 | Trifloxystrobin | 2004 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 214 | Dimethenamid-P | 2005 | None | Never scheduled | Never scheduled | BASF |
| 215 | Fenhexamid | 2005 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 216 | Indoxacarb | 2005 | None | Never scheduled | Never scheduled | DuPont |
| 217 | Novaluron | 2005 | None | Never scheduled | Never scheduled | Makhteshim-Agan |
| 218 | Sulfuryl fluoride | 2005 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 219 | Bifenazate | 2006 | None | Never scheduled | Never scheduled | Chemtura |
| 221 | Boscalid | 2006 | None | Never scheduled | Never scheduled | BASF |

| Code | Chemical | Initial JMPR evaluation | Periodic reviews | Scheduled (Tox) | Scheduled (Residues) | Notes |
|------|---------------------|-------------------------|------------------|-----------------|----------------------|---------------------------------|
| 222 | Quinoxifen | 2006 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 223 | Thiacloprid | 2006 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 220 | Aminopyralid | 2007 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 224 | Difenoconazole | 2007 | None | Never scheduled | Never scheduled | Syngenta |
| 225 | Dimethomorph | 2007 | None | Never scheduled | Never scheduled | BASF |
| 226 | Pyrimethanil | 2007 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 227 | Zoxamide | 2007 | None | Never scheduled | Never scheduled | Gowan |
| 229 | Azoxystrobin | 2008 | None | Never scheduled | Never scheduled | Syngenta |
| 230 | Chlorantraniliprole | 2008 | None | Never scheduled | Never scheduled | DuPont |
| 231 | Mandipropamid | 2008 | None | Never scheduled | Never scheduled | Syngenta |
| 232 | Prothioconazole | 2008 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 233 | Spinetoram | 2008 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 234 | Spirotetramat | 2008 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 235 | Fluopicolide | 2009 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 236 | Metaflumizone | 2009 | None | Never scheduled | Never scheduled | BASF |
| 237 | Spirodiclofen | 2009 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 238 | Clothianidin | 2010 | None | Never scheduled | Never scheduled | Sumitomo Chemical |
| 239 | Cyproconazole | 2010 | None | Never scheduled | Never scheduled | Syngenta |
| 240 | Dicamba | 2010 | None | Never scheduled | Never scheduled | BASF |
| 241 | Etoxazole | 2010 | None | Never scheduled | Never scheduled | Sumitomo Chemical |
| 242 | Flubendiamide | 2010 | None | Never scheduled | Never scheduled | Nihon Nohyaku |
| 243 | Fluopyram | 2010 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 244 | Meptyldinocap | 2010 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 245 | Thiamethoxam | 2010 | None | Never scheduled | Never scheduled | Syngenta |
| 246 | Acetamiprid | 2011 | None | Never scheduled | Never scheduled | Nippon Soda |
| 247 | Emamectin-benzoate | 2011 | None | Never scheduled | Never scheduled | Syngenta |
| 248 | Flutriafol | 2011 | None | Never scheduled | Never scheduled | Chemnova |
| 249 | Isopyrazam | 2011 | None | Never scheduled | Never scheduled | Syngenta |
| 250 | Propylene oxide | 2011 | None | Never scheduled | Never scheduled | Aberco |
| 251 | Saflufenacil | 2011 | None | Never scheduled | Never scheduled | BASF |
| 252 | Sulfoxaflor | 2011 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 253 | Penthiopyrad | 2011 | None | Never scheduled | Never scheduled | DuPont |
| 253 | Ametoctradin | 2012 | None | Never scheduled | Never scheduled | [BASF] – USA |
| 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 |
| 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 |

| Code | Chemical | Initial JMPR evaluation | Periodic reviews | Scheduled (Tox) | Scheduled (Residues) | Notes |
|------|----------------------------|-------------------------|------------------|-----------------|----------------------|--|
| 264 | Fenamidone | 2013/14 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 265 | Fluensulfone | 2013/14 | None | Never scheduled | Never scheduled | Makhteshim |
| 272 | Aminocyclopyrachlor | 2014 | None | Never scheduled | Never scheduled | DuPont |
| 273 | Cyflumetofen | 2014 | None | Never scheduled | Never scheduled | BASF |
| 274 | Dichlobenil | 2014 | None | Never scheduled | Never scheduled | Chemtura |
| 275 | Flufenoxuron | 2014 | None | Never scheduled | Never scheduled | BASF |
| 276 | Imazamox | 2014 | None | Never scheduled | Never scheduled | BASF |
| 277 | Mesotrione | 2014 | None | Never scheduled | Never scheduled | Syngenta |
| 278 | Metrafenone | 2014 | None | Never scheduled | Never scheduled | BASF |
| 279 | Pymetrozine | 2014 | None | Never scheduled | Never scheduled | Syngenta |
| 280 | Acetochlor | 2015 | None | Never scheduled | Never scheduled | Monsanto |
| 281 | Cyazofamid | 2015 | None | Never scheduled | Never scheduled | Ishihara Sangyo Kaisha |
| 282 | Flonicamid | 2015 | None | Never scheduled | Never scheduled | Ishihara Sangyo Kaisha |
| 284 | Flumioxazin | 2015 | None | Never scheduled | Never scheduled | Sumitomo |
| 285 | Flupyradifurone | 2015 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 286 | Lufenuron | 2015 | None | Never scheduled | Never scheduled | Syngenta |
| 287 | Quinclorac | 2015 | None | Never scheduled | Never scheduled | BASF |
| 283 | Fluazifop-p-butyl | 2015 | None | Never scheduled | Never scheduled | Syngenta |
| 288 | Acibenzolar-S methyl | 2016 | None | Never scheduled | Never scheduled | Syngenta |
| 289 | Imazethapyr | 2016 | None | Never scheduled | Never scheduled | BASF |
| 290 | Isofetamid | 2016 | None | Never scheduled | Never scheduled | Ishihara Sangyo Kaisha |
| 291 | Oxathiapiprolin | 2016 | None | Never scheduled | Never scheduled | DuPont |
| 292 | Pendimethalin | 2016 | None | Never scheduled | Never scheduled | BASF |
| 293 | Pinoxaden | 2016 | None | Never scheduled | Never scheduled | Syngenta |
| 294 | Spiromesifen | 2016 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 999 | Bicyclopyrone | 2017 | none | Never scheduled | Never scheduled | Syngenta |
| 999 | Cyclaniliprole | 2017 | None | Never scheduled | Never scheduled | Ishihara Sangyo Kaisha |
| 999 | Fenazaquin | 2017 | None | Never scheduled | Never scheduled | Gowan |
| 999 | Fenpyrazamine | 2017 | None | Never scheduled | Never scheduled | Sumitomo chemical |
| 999 | Isoprothiolane | 2017 | None | Never scheduled | Never scheduled | Nihon Nohyaku |
| 999 | Natamycin | 2017 | none | Never scheduled | Never scheduled | DSM Food Specialities |
| 999 | Phosphorous acid / fosetyl | 2017 | None | Never scheduled | Never scheduled | Nufarm / Bayer CropScience |
| 999 | Triflumezopyrim | 2017 | None | Never scheduled | Never scheduled | DuPont |
| 999 | Ethiprole | 2018 | None | Never scheduled | Never scheduled | Bayer CropScience |
| 999 | Fluazinam | 2018 | None | Never scheduled | Never scheduled | ISK Biosciences / Ishihara Sangyo Kaisha |
| 999 | Mandestrobin | 2018 | None | Never scheduled | Never scheduled | Sumitomo Chemical |
| 999 | Norflurazon | 2018 | None | Never scheduled | Never scheduled | Tessenderlo Kerley Inc. |
| 999 | Pydiflumetofen SYN545794 | 2018 | None | Never scheduled | Never scheduled | Syngenta |
| 999 | Pyriofenone | 2018 | None | Never scheduled | Never scheduled | ISK Biosciences / Ishihara Sangyo Kaisha |
| 999 | Quinalophos | 2018 | None | Never scheduled | Never scheduled | na |
| 999 | Tioxazafen | 2018 | None | Never scheduled | Never scheduled | Monsanto |
| 999 | Tricyclazole | 2018 | None | Never scheduled | Never scheduled | na |
| 999 | XDE-777 | 2018 | None | Never scheduled | Never scheduled | Dow AgroSciences |
| 34 | Ethion | 2018 | none | Never scheduled | Never scheduled | Na |
| 170 | Hexaconazole | 2018 | none | Never scheduled | Never scheduled | |

| Code | Chemical | Initial JMPR evaluation | Periodic reviews | Scheduled (Tox) | Scheduled (Residues) | Notes |
|------|------------------|-------------------------|------------------|-----------------|----------------------|---|
| 999 | Iprobenfos | 2018 | none | Never scheduled | Never scheduled | |
| 999 | Pyriproxyfen | 2018 2019T | None | Never scheduled | Never scheduled | Nihon Nohyaku |
| 254 | Chlorfenapyr | 2018 R, 2012T | None | Never scheduled | Never scheduled | [BASF] – Brazil |
| 999 | Metconazole | 2019 | None | Never scheduled | Never scheduled | Valent USA / Kureha |
| 999 | Afidopyropen | 2019 | None | Never scheduled | Never scheduled | Meiji SeikaPharma / BASF |
| 999 | BAS 750F | 2019 | None | Never scheduled | Never scheduled | BASF |
| 999 | Broflalinide | 2019 | None | Never scheduled | Never scheduled | Landis Internaitonal / Mitsui Chemicals |
| 999 | SYN546330 | 2019 | None | Never scheduled | Never scheduled | Syngenta |
| 999 | Triflumuron | 2019 | None | Never scheduled | Never scheduled | Bayer |
| 999 | orthosulfamuron | 2019 | none | Never scheduled | Never scheduled | |
| 999 | SYN407 | 2020 | None | Never scheduled | Never scheduled | Syngenta |
| 999 | Ethafluralin | 2020 | none | Never scheduled | Never scheduled | Gowan |
| 999 | Fluazaindolizine | 2020 | none | Never scheduled | Never scheduled | DuPont |

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) |