

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
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World Health
Organization

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Agenda item 10 (a)

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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 (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 10 compounds for new compound evaluation, 23 compounds for new uses and other evaluations and 5 compounds for periodic review.
5. The 2019 CCPR Priority List of JMPR Evaluations as shown in Table 1 and Table 2A includes 9 compounds for new compound evaluation, 58 compounds for new uses and other evaluations and 9 compounds for periodic review.
6. Table 1 also includes 6 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 19 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 was deleted 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.

New uses and other evaluations

12. Consistent with the approach taken at CCPR48, member countries and observer international organizations (sponsors) have confirmed 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.
13. As noted in paragraph 4, there are 23 compounds for new use and other evaluations (where evidence of national registration and / or product label has been provided) listed in the proposed 2018 Schedule.
14. At the 48th session of CCPR, JMPR indicated a quota of 20 such evaluations could be handled by the available evaluator resources. Nominations 21-23 may need to be transferred to the 2019 priority list for new uses and other evaluations. However, as per the new compound approach, should the opportunity present, JMPR may choose to evaluate one or more of nominations 21-23.
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. 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

17. 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.
18. Clethodim will not be considered for the 2017 JMPR and has been moved to the 2018 Periodic Review. At the request of the manufacturer, tolclofos-methyl has been moved to the 2019 Periodic Review priority list.

C. PROPOSED SCHEDULE FOR THE EXTRAORDINARY JMPR MEETING

19. Noting paragraph 5, which relates to the 2019 Priority List, the proposed schedule of new uses and other evaluations for the extraordinary JMPR meeting will be drawn from the 2019 new use and other evaluation priority list. This proposed schedule may include those nominations in the 2018 new uses and other evaluations, referred to in paragraph 14, which cannot be evaluated due to resource constraints.
20. The proposed schedule for the extraordinary JMPR meeting will therefore be established by taking the next 20 nominations in order of datestamp from the 2018 new use and other evaluations and the 2019 priority list of new uses and other evaluations.
21. Noting the schedules and priority lists, there are currently 15 new uses and other evaluations in the 2019 priority list for which product labels and / or evidence of a national authorisation have already been lodged.

D. PUBLIC HEALTH CONCERNS

22. 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.
23. 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)

24. 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

**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)

TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
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)
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: PAPRIKA; CHILI PEPPER USA: ALMONDS, PULSES, BLUEBERRIES, GINSENG, GLOBE ARTICHOKE, APPLE, PEAR,	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)

EFFECTIVE DATE	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
			SWEET CORN, WATERMELON, COFFEE, STRAWBERRY, RICE, GUATEMALA: SNAP BEANS AND SNOW PEAS (EDIBLE, PODDED)	
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)
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, RICE, COFFEE, MANGO, 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), rice, coffee, mango
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		Prothioconazole	COTTON	Cotton (16)

EFFECTIVE DATE	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
2014		(232) [Bayer CropScience]		
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, LICI 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),
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
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	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),	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			

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
availability of full data package		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)	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)
Methidathion (51) 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	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
No. 1 Circa 2012	Chlorfenapyr Tox 2012	Chlorfenapyr [BASF] (254)	Registered MRLs > LOQ ??	Soybean, tea	Soybean (10), tea (6)
No. 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)
No. 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
No. 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,
No. 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

Date Stamp	TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
No. 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)
No. 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 Corm 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)
No. 8 30 Oct 2015	Pyriofenone (999) [IshiharaSangyoKaisha/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)

2018 NEW USES AND OTHER EVALUATIONS

DATE	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
1- Priority 1 20 April 2015 Moved from 2017 on request		Fenamidone (264) [Bayer CropSciences]	MUSTARD GREEN, SPINACH – ALTERNATIVE GAP	
2 - Priority 1 24/10/2015		Cyantranilprole [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)
3- Priority 1 11 June 2015 Moved from 2017		Isoxaflutole [Bayer CropScience] (268)	SOYA BEAN (LABEL REVIEW)	
4- Priority 1 30/09/2016		Abamectin [Syngenta] (177)	CANEBERRY, SWEETCORN, GREEN ONION, BEANS - SHELLED, SOYBEAN, PINEAPPLE GRAPE, MANDARIN, PUMMELO (THAILAND) SPINACH (ALTERNATIVE GAP)	Caneberry (7), sweetcorn (12), green onions (5), lima bean (7), soybean (20), pineapple (8), grape (13)
5 - 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)
6- Priority 1 30/09/2016		Lufenuron [Syngenta]	CITRUS, COFFEE, CORN, APPLE CARAMBOLA (MALAYSIA) [LABEL SUBMITTED]	citrus (12), coffee (7), corn (4), Carambola (4)
7 -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)
8 - 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)
9 - Priority 1 9 Nov 2016		Oxathiapiproline (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)
10 - 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)
11 - 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 (20), avocado (4), olives (12), persimmon (3), tropical fruits (mango (8-10), papaya (4-8), 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)
12 - 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)

DATE	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
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)
14 - Priority 1 16 Nov 2016		Mandipropamid [Syngenta]	COCOA, POTATO	Cocoa (8), potato (26)
15 - Priority 1 30/09/2016		Trinexapac [Syngenta]	RICE, RYE	Rice (16), rye (extrapolation from wheat barley)
16 - Priority 1 28 Nov 2016		Profenofos (171) Brazil Syngenta	COFFEE – REGISTERED IN BRAZIL	Syngenta Coffee (7)
17 - Priority 1 Moved from 2017 on request 01/01/17		Fluxapyroxad (256) [BASF]	CITRUS, CITRUS OIL, COFFEE, SUCCULENT BEANS AND PEAS, COTTONSEED, POTATO, MANGO, PAPAYA, ALFALFA, WHEAT, PEANUT OIL	Citrus (26), citrus oil (2), coffee (5), succulent beans and peas (18), cottonseed (14), potato (16), alfalfa (10), wheat (10), peanut oil (2)
18 - Priority 1 01/01/17		Bentazone [BASF] (172)	FIELD PEA (USA) - 4 year rule granted in 2014	
19 - Priority 1 9 March 2017		Propamocarb (148) [Bayer CropSciences]	FEEDING STUDIES	
20 - Priority 1 12 April 2017	Spiromesifen (294) India	Spiromesifen (294) India	BASIL [Thailand] 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
21 - Priority 1 12 April 2017	EU (tox) PROCEED WITH TOX REVIEW	Lambda-cyhalothrin (146) India	CHINESE BRASSICA [Thailand] 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
22 - Priority 1 14 Apr 2017	[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)
23 - Priority 1 24 April 2017	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 TREE NUTS (USA), RICE, CORN, SORGHUM, COCOA, PINEAPPLE, BEAN	Passion fruit (6); mango (6)

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. (seeCX/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
Tolclofos-methyl deferred to 2019	Tolclofos-methyl (194)	Lettuce head; lettuce leaf; potato; radish	Await advice—moved from 2017 on request	1994	0.07 1994	N/A

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
Metalaxyl (138) Quimicas del Vallés - SCC GmbH <i>CCPR49 agreed that no further postponement of this review will be acceptable. The advancement of metalaxyl-M MRLS at step 7 since 2004 is contingent upon the metalaxyl review.</i>	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 – pineapples (confirmed)	2004	0.08 2004	NR 2004
Clethodim (187) USA Arysta LifeScience RESERVE 3 From 2017	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 200 4

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	Pyriproxyfen (999) (insecticide) [Nihon Nohyaku] Japan	Pyriproxyfen	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)	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	Afidopyropen (999) [Meiji SeikaPharma/BASF] [USA] (insecticide)	Afidopyropen [BASF] (999)	Registered? N March 18 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)	Metconazole [Valent USA]	Registered US MRLs > LOQ	USA- Stone fruit group; Blueberry; Banana; Garlic; Onion, Bulb; Legume	USA- Banana (12), barley grain (28), blueberry (11), cotton seed (12), corn/maize (20), sweet corn (12), tree nuts (10),

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)		vegetables; 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	peanuts (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
1 - Priority 1 18 July 2016		Chlorantraniliprole (230) [Dupont]	PALM OIL (MALAYSIA) LABEL PROVIDED ON 18 JULY 2016 Pulses	Palm oil (8)
2 - Priority 1 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)
3 - 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)
4- Priority 1 30/09/2016		Thiabendazole [Syngenta]	LEGUMES AND PULSES	Legumes and pulses (48)
5 - Priority 1 21 Nov 2016		S-Methoprene Wellmark International - EPA Reg. No. 2724-442	PEANUTS	Peanuts (1) - (4 farm sites, 5 different peanut varieties)
6 - Priority 1 25 Nov 2016		Tebuconazole [Bayer] (189)	CITRUS	4 trials orange, 4 trials mandarin, 3 processing trials (orange)
7 - Priority 1 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 - Priority 1 30 Nov 2016	Boscalid Evaluation of metabolite data being relevant for new uses	Boscalid (221) [BASF]	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)
9- Priority 1 1 Dec 2016		Mandestrobin Canada (999)	STRAWBERRY, GRAPE, CANOLA	Strawberry (10), grape (16), canola (23)
10 - Priority 1 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)
11 - Priority 1 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)
12 - Priority 1 March 2017		Cyantraniliprole [DuPont]	CRANBERRY, BLUEBERRY, ALMOND	cranberry (7), blueberry (8), almond (12)

Date Stamp	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
		USA		
13 - Priority 1 25 April 2017		Cyprodinil (207) [Syngenta]	SOYBEAN (Brazil)	TBA
14 - Priority 1 25 April 2017		Azoxystrobin (229) [Syngenta]	COFFEE (Brazil) higher GAP	TBA
15 - Priority 1 26 April 2017		Dicamba (240) USA [Monsanto]	COTTON, SOYBEAN	Cotton (13), soybean (22)
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)
Moved from 2018 - quota full		Bifenthrin [FMC] (178)	Barley; barley (straw fodder); - 4 year rule granted in 2014 strawberry, Lettuce head, celery (alternative GAP) okra - India	
Moved from 2018- quota full	Moved from 2017	Penthiopyrad (253) USA	USA – Blueberry; Caneberry	Blueberry (9) and Cranberry (7)
Moved from 2018 - quota full		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)
Moved from 2018 - quota full	Isoprothiolane (999) Costa Rica and Guatemala (registration expected in 4Q2017), Colombia and Ecuador (registration expected in 2018) fungicide Nihon Nohyaku	Isoprothiolane (999) Costa Rica and Guatemala (registration expected in 4Q2017), Colombia and Ecuador (registration expected in 2018)	banana	Banana (16)
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)
		Cypermethrins (118) [BASF], [FMC]	Public health concerns - acute dietary risk– Netherlands – check uses for peach based on existing residue data and labels;	Ginseng (4)

Date Stamp	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
			Republic of Korea (ginseng)	
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)
20 Apr 2016		Fluensulfone (265) [ADAMA]	Grapes, peanuts	Grapes (12), peanuts (12)
30/09/2016 Syngenta requested move from 2018		Lambda-cyhalothrin (146) [Syngenta]	pineapple	Pineapple 8
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);
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)

Date Stamp	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
		Picoxystrobin– [Dupont] –USA (258)	TBA	TBA
		Buprofezin (173) [Nihon Nohyaku] Japan	Grape, apple, olive, tomato, citrus, otton, pistachio, walnut, rice, tea, coffee (including processed commodities)	
		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	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019 Monitoring data
		Acetamiprid (246) India	Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, Cumin	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019 Monitoring data
		Bifenthrin (178) India	Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, tea, Curry leaves	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019 Monitoring data
		Carbendazim (72) India	Dried ginger, dried chilli, cumin	Monitoring data
		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	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019 Monitoring data
		Clofenapyr (254) India	Dried chilli	Monitoring data
		Clothianidin (238) India	Cumin	Monitoring data
		Cypermethrin (118) India	Curry leaves, Dry chilli,	Monitoring data
		Deltamethrin (35) India	Dried chilli	Monitoring data
	Moved on request	Diazinon (22) India	Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019
		Dicofol (26) India	Black pepper, fennel, fenugreek	Monitoring data
		Dimethoate (27) India	Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes, Tea	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019
		Fenpropathrin (185)	Dried chilli, cumin	Monitoring data
		Imidacloprid (206) India	Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes,	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019
		Metalaxyl (138) India	Dried ginger	Monitoring data
		Methomyl (94) India	Rice, fresh vegetables (cabbage, cauliflower, okra, green chilli, green pea, bitter gourd, cucumber, brinjal and capsicum), grapes	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019

Date Stamp	TOXICOLOGY	RESIDUE	Commodities	Residue trials provided
		Parathion (59) India	Curry leaves	Monitoring data
		Phosalone (60) India	Cardamom, dried chilli	Monitoring data
		Phorate (112) India	Dried ginger, cumin	Monitoring data
		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	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019 Monitoring data
		Propiconazole (160) India	Fennel, fenugreek	Monitoring data
		Thiamethoxam (245) India	Cumin	Monitoring data
		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	NO LABEL OR EVIDENCE OF NATIONAL REGISTRATION PROVIDED – DEFERRED TO 2019 Monitoring data

2020 NEW COMPOUND EVALUATIONS

Date Stamp	TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
6 Dec 2016	Ethalfuralin [Gowan] - Canada	Ethalfuralin	Registered MRLs = LOQ	Pulses	
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	Fluazaindoline (XXX) (nematicide) [DuPont] – USA	Fluazaindoline (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)
21 March 2017	BCS-CN88460 [Bayer CropScience] fungicide Germany	BCS-CN88460	Not registered MRLs > LOQ	wheat grain, triticale grain, barley grain, rye grain, oats grain, corn/maize grain, sweet corn, cereals straw, by-products of cereals and corn/maize, as well as products of animal origin	
4 Dec 2015 Not confirmed	Broflanilide(999) (insecticide)	Broflanilide (999)	Registered? No (first registration expected in 2019)	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

Date Stamp	TOXICOLOGY	RESIDUE	Prioritisation criteria	Commodities	Residue trials provided
Moved from 2019 on request	[Landis International on behalf of Mitsui Chemicals] [USA]		MRLs > LOQ? Yes, for majority of crops and food of animal origin		(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 Moved from 2019 on request	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

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:		2007 0.03	2007 0.1

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
			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%). 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) Thailand – yard-long beans	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	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

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
		available it is proposed to re-evaluate all MRLs.				
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. 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)	1997	1997 0.02	2001 0.3
Tolclofos-methyl (191) [Sumitomo Chemical] – deferred to 2019 on request	Tolclofos-methyl (191)	Lettuce head; lettuce leaf; potato; radish	Await advice – moved from 2017 on request	1994	0.07 1994	N/A

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	1996	2006 0.005	2006 0.03

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
			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.			
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
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)	<u>FMC Trials:</u> Almonds (4); barley (13); blackberries (8); broccoli (4); carrot (12); cherry (5); lettuce, leaf (12); peach (9); raspberries, red/black (8); rice, husked (18); Spices, seeds (4); spices, roots & rhizomes (4); apricots (8); artichoke (4); banana (8); bean, succulent - lima and snap (12); Brassica, head and stem vegetables (12); coffee (6); eggplant (8); mandarins (8); mango (4); melon (12); pea (12); peanut (12); plum (12); potato (16); soybean (12); wheat (16)	1994	0.06 1995	N/A
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, apple, pear, cherry, mandarin, tea	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		

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
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 confir med 2001	0.1, 2009
Quintozene (64) [Crompton- AMVAC]	quintozen e		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. Quintozen containing more than 0.1% hexachlorobenzene is banned in the EU. For quintozen (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	Dithiocarb amates (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	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/report2004jmp.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.	1996T, 1993R, (2004 propineb)	Range of group ADIs	Interi m ARfD propi neb 0.1 m g/kg 1995

TOXICOLOGY	RESIDUE	Commodities	Comments	Previous evaluation	ADI	ARfD
		<p>without pods (8), Peas, fresh without pods (16), Asparagus (10), Leeks (19), Pulses, dry (24), Olives (15), Wheat (26), Barley (16), Sugar beet (16)</p> <p>*Additional trials in progress</p> <p>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)</p> <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>	<p>For ziram 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.</p> <p>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.</p> <p>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.</p> <p>Conversion factors (from CS₂ to active substance) are not listed in the Annex: Mancozeb: 1.783, Maneb: 1.743, Propineb: 1.904, Thiram: 1.580, Ziram: 2.009</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 1. 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)	Methomy	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
Esfenvalerate [Sumitomo] (204)	Esfenvalerate	Awaiting advice on supported commodities	yes	2002	0.02, 2002	0.02, 2002
Flutolanil [Nihon Nohyaku] (206)	Flutolanil	Awaiting advice on supported commodities	yes	2002	0.09, 2002	NR, 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
017	Chlorpyrifos	1972	1999T, 2000R, 2006 (ARfD)			Dow AgroSciences
025	Dichlorvos	1965	2011T, 2012R			AMVAC
026	Dicofol	1968	1992, 2011T			Not supported by manufacturer
031	Diquat	1970	1993T, 1994R, 2013			Syngenta
032	Endosulfan	1965	1998T, 2006R			Makhteshim Agan
037	Fenitrothion	1969	2007T(ADI, ARfD), 2003R			Sumitomo
041	Folpet	1969	1995T, 2007T(ARfD), 1998R			Makhteshim Agan
048	Lindane	1965	2002T, 2003R, 2015			EMRLs proposed
057	Paraquat	1970	2003T, 2004R			Syngenta
063	Pyrethrins	1965	2003T, 2000R			No manufacturer
065	Thiabendazole	1970	1997T, 1997R, 2006T(ARfD)			Syngenta
067	Cyhexatin	1970	2005T, 2005R			Cerex Agri
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
132	Methiocarb	1981	1998T, 1999R, 2005R (ARfD)			Bayer CropScience
133	Triadimefon/triadimenol	1979	2004T, 2007R			133 /168 - Bayer CropScience
135	Deltamethrin	1980	2000T, 2002R			Bayer CropScience
143	Triazophos	1982	2002T, 2007R			Bayer CropScience
146	Lambda-cyhalothrin	1984	2007T, 2008R			Syngenta
147	Methoprene	1984	2001T, 2005R			Dow AgroSciences
148	Propamocarb	1984	2005T, 2006R			Bayer CropScience
149	Ethoprophos	1983	1999T, 2004R			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

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
160	Propiconazole	1987	2004T, 2007R			Syngenta
165	Flusilazole	1989	2007			DuPont
166	Oxydemeton-methyl	1989	2002T, 1998R			United Phosphorous
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
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
187	Clethodim	1994	1999T(ARfD)	2018	2018	Support from USA
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

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
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	
191	Tolclofos-methyl	1994	None	2019	2019	Sumitomo Chemical
192	Fenarimol	1995	None	2019	2019	
022	Diazinon	1965	2006T, 1993	2020	2020	Makhteshim-Agan
035	Ethoxyquin	1969	2005T, 1999R	2020	2020	No manufacturer
064	Quintozene	1969	1995	2020	2020	Chemtura
101	Pirimicarb	1976	2004	2020	2020	Syngenta
105	Dithiocarbamates - incl propineb, ferbam, ziram	1965	1993R/1996T ferbam/ziram, 2004 propineb	2020	2020	Individual DTCs are evaluated, propineb 2004, ferbam/ziram 1996
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
020	2,4-D	1970	1996T, 1998R, 2001T(ARfD),	Listed-not scheduled	Listed-not scheduled	Dow AgroSciences
030	Diphenylamine	1969	1998T, 2001R	Listed-not scheduled	Listed-not scheduled	Cerex Agri
039	Fenthion	1971	1995, 1997T(ARfD)	Listed-not scheduled	Listed-not scheduled	Not supported by manufacturer
049	Malathion	1965	1997T, 2003T(ARfD), 1999R	Listed-not scheduled	Listed-not scheduled	
056	2-phenylphenol	1969	1999	Listed-not scheduled	Listed-not scheduled	No manufacturer
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
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
087	Dinocap	1969	1998T, 2000T(ARfD)	Listed-not scheduled	Listed-not scheduled	Not supported by manufacturer
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	Listed-not scheduled	Listed-not scheduled	Sumitomo Chemical
205	Flutolanil	2002	None	Listed-not scheduled	Listed-not scheduled	NIhon Nohyaku
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

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
212	Metalaxyl-M	2002	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
220	Aminopyralid	2007	None	Never scheduled	Never scheduled	Dow AgroSciences
221	Boscalid	2006	None	Never scheduled	Never scheduled	BASF
222	Quinoxifen	2006	None	Never scheduled	Never scheduled	Dow AgroSciences
223	Thiacloprid	2006	None	Never scheduled	Never scheduled	Bayer CropScience
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	Cheminova
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
254	Chlorfenapyr	2018 R, 2012T	None	Never scheduled	Never scheduled	[BASF] – Brazil
255	Dinotefuran	2012	None	Never scheduled	Never scheduled	[Mitsui Chemicals Agro] – Japan

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
256	Fluxapyroxad	2012	None	Never scheduled	Never scheduled	[BASF] – USA
257	MCPA	2012	None	Never scheduled	Never scheduled	[Nufarm] – USA
258	Picoxystrobin	2012	None	Never scheduled	Never scheduled	[Dupont] -USA
259	Sedaxane	2012	None	Never scheduled	Never scheduled	[Syngenta] – USA
261	Benzovindiflupyr	2013	None	Never scheduled	Never scheduled	Syngenta
262	Bixafen	2013	None	Never scheduled	Never scheduled	Bayer CropScience
263	Cyantraniliprole	2013	None	Never scheduled	Never scheduled	DuPont
264	Fenamidone	2013/14	None	Never scheduled	Never scheduled	Bayer CropScience
265	Fluensulfone	2013/14	None	Never scheduled	Never scheduled	Makhteshim
266	Imazapic	2013	None	Never scheduled	Never scheduled	BASF
267	Imazapyr	2013	None	Never scheduled	Never scheduled	BASF
268	Isoxaflutole	2013	None	Never scheduled	Never scheduled	Bayer CropScience
269	Tolfenpyrad	2013	None	Never scheduled	Never scheduled	Nihon Nohyaku
270	Triflumizole	2013	None	Never scheduled	Never scheduled	Nippon Soda
271	Trinexapac	2013	None	Never scheduled	Never scheduled	Syngenta
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
283	Fluazifop-p-butyl	2015	None	Never scheduled	Never scheduled	Syngenta
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
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

Code	Chemical	Initial JMPR evaluation	Periodic reviews	Scheduled (Tox)	Scheduled (Residues)	Notes
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 / Isihara 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 / Isihara Sangyo Kaisha
999	Tioxazafen	2018	None	Never scheduled	Never scheduled	Monsanto
999	XDE-777	2018	None	Never scheduled	Never scheduled	Dow AgroSciences
999	Pyrifluquinazon	2018 2019T	None	Never scheduled	Never scheduled	Nihon Nohyaku
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	Triflururon	2019	None	Never scheduled	Never scheduled	Bayer
999	orthosulfamuron	2019	none	Never scheduled	Never scheduled	Nihon Nohyaku
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
999	BCS-CN88460	2020	none	Never scheduled	Never scheduled	Bayer CropScience

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)