

## APPENDIX XI

**DRAFT PRINCIPLES AND GUIDANCE ON THE SELECTION OF  
REPRESENTATIVE COMMODITIES  
FOR THE EXTRAPOLATION OF MAXIMUM RESIDUE LIMITS FOR PESTICIDES TO COMMODITY GROUPS  
(At Step 8)**

**INTRODUCTION**

Residue extrapolation is the process by which the residue levels on representative commodities are utilized to estimate residue levels on related commodities in the same commodity group or subgroup for which trials have not been conducted. Representative commodities are chosen based on their commercial importance and the similarity of their morphology and residue characteristics to other related commodities in the group or subgroup. Ideally representative commodities are the most economically important commodities in production and/or consumption in a group or subgroup and have a greater dietary burden and have residue characteristics similar to other members of the group or subgroup. Residue extrapolation is a common consideration utilised by regulators internationally for ensuring that data requirements are only at a level that is scientifically justified in conducting risk assessment and to ensure the regulatory process does not become unnecessarily burdensome especially for minor crops.

The objective of this document is to (1) propose criteria for the selection of representative commodities; (2) propose example representative commodities and (3) provide a detailed justification for the selection of the representative commodities.

**GENERAL PRINCIPLES**

Representative commodities within each Codex Classification commodity group and subgroup will be selected and proposed, based on consideration of all available information. The following principles will be used for the selection of representative commodities:

- A representative commodity is most likely to contain the highest residues.
- A representative commodity is likely to be major in terms of production and/or consumption.
- A representative commodity is most likely similar in morphology, growth habit, pest problems and edible portion to the related commodities within a group or subgroup.

The application of the three principles in the selection of representative commodities is based on the assumption that all of the commodities, covered by the commodity group MRL, are produced following a similar<sup>1</sup> use pattern or GAP.

To facilitate the global use of the commodity groups for MRLs, alternative representative commodities may be selected giving flexibility for use of residue research conducted in different countries or regions that may vary due to regional differences in dietary consumption and/or areas of production for certain commodities.

**Note:** Table 1 in this document is provided to (1) separate the selection of representative commodities from the Codex Classification itself; (2) propose examples of representative commodities in parallel with the respective Codex commodity grouping classification revisions; (3) provide flexibility on the selection of representative crops and (4) provide guidance not only to CCPR and CCPR members, but also to JMPR, product manufacturers and other data generators.

Detailed background information regarding production, consumption, MRLs and characteristics and justification for selection of the representative commodities according to the indicated principles were provided in working documents considered by the Committee when developing the representative commodities for each commodity group.

**GUIDANCE AND PROCEDURES**

As proposals for the revision of the Codex Classification are made and revised commodity groupings are developed and provided to the CCPR for their review, proposals on representative commodities will also be provided in parallel with the respective commodity grouping revisions and will advance through the CCPR step process for adoption by the CAC.

As comments are addressed on the revisions of the classification and the proposed representative commodities and these are approved by the CCPR and accepted by the CAC, two separate documents will be created and maintained: (1) the revised Codex Classification (without mention of representative commodities) and (2) principles and guidance on the selection of representative commodities.

The JMPR may be advised to use the representative commodities adopted by the CAC. However, JMPR may use other representative commodities (including those which may be specifically requested by member nations) on a case-by-case basis. The JMPR will be requested to provide to the CCPR justification for the use of any alternative representative commodities, based on all available data.

<sup>1</sup> Submission and Evaluation of Pesticide Residues Data for the Estimation of Maximum Residue Levels in Food and Feed (Section 6.7, Point a), FAO Plant Production and Protection Paper 197, Food and Agriculture Organization of the United Nations, Rome, 2009 (Second Edition).

### **Alternative Representative Commodities**

To facilitate the global use of the commodity groups for MRLs, alternative representative commodities may be selected giving flexibility for use of residue research conducted in different countries or regions that may vary due to regional differences in dietary consumption and/or areas of production for certain commodities. Table 1 in this document proposes examples of representative commodities for commodity groups. Depending on country or regional differences, alternative representative commodities may be proposed by a country. For example, leeks may be proposed as an alternative representative commodity for green onions in the green onion subgroup of Bulb Vegetables.

### **Precedence in Selection of Representative Commodities**

In situations where a representative commodity does not meet all three of the above principles, a representative commodity should at least meet the first two principles (likely to contain the highest residues and also major in terms of production and/or consumption).

### **Selection of Representative Commodities**

When representative commodities are utilised to extrapolate residue levels to other members of a commodity group, it is on the assumption that residues in other members of the commodity group will not be significantly different to residues found in the representative commodity. That is, the representative commodities are good indicators of the upper range of residues likely to be encountered for the group or subgroup, based on the same or comparable GAP and other available information.

An MRL for the group may be estimated from the highest residue level for any of the individual representative commodities or from the larger combined data set. The ALARA principle should be considered in terms of whether the larger residue data set should be combined and the potential impact of derived values used in the dietary risk assessment.

### **Wider Extrapolations**

A representative commodity should meet at least the first two principles described above, i.e. likely to contain the highest residues and also major in terms of production and/or consumption. However, it may not always fit well with the growth habits, or pest problems of morphology within one group or subgroup. In such situations, extrapolations beyond the members of a commodity group may be appropriate. These can be considered on a case-by-case basis when commodities (with similar GAPs) have similar size, shape and surface area. Examples of these possible wider extrapolations include (1) translation of certain stone or pome fruit MRLs to a tropical fruit; (2) where residues are all <LOQ for pre-emergent herbicide uses and (3) seed treatments for non systemic pesticides.

Table 1. Examples of the Selection of Representative Commodities, Type 01 Fruits

Codex Group / Subgroup	Examples of Representative Commodities <sup>2</sup>	Extrapolation to the following commodities
<b>Group 001 Citrus Fruits</b>	Lemon or Lime; Mandarin; Orange and Pummelo or Grapefruit	<u>Citrus Fruit (FC 0001)</u> : Australian blood lime; Australian desert lime; Australian round lime; Brown River finger-lime; Calamondin; Citron; Clementine; Grapefruit; Kaffir Lime; Kumquats; Lemon; Lime; Lime, Sweet; Limequats; Mandarin; Mount White-lime; New guinea wild lime; Orange Sour; Orange, Sweet; Pummelo; Russell River-lime; Tahiti Lime; Trifoliate orange; Unshu orange; Yuzu.
Subgroup 001A, Lemons and Limes	Lemon or Lime	<u>Lemons and Limes (FC 0002)</u> : Australina blood lime; Australian desert lime; Australian round lime; Brown River finger-lime; Citron; Kaffir Lime; Kumquats; Lemon; Lime; Lime, Sweet; Limequats; Mount White-lime; New guinea wild lime; Russell River-lime; Tahiti Lime; Yuzu.
Subgroup 001B, Mandarin	Mandarin	<u>Mandarins (FC 003)</u> : Calamondin; Clementine; Mandarin; Unshu orange.
Subgroup 001C, Oranges, Sweet, Sour	Orange	<u>Oranges, Sweet, Sour (FC 004)</u> : Orange Sour; Orange, Sweet; Trifoliate orange.
Subgroup 001D, Pummelos	Pummelo or Grapefruit	<u>Pummelos and Grapefruit (FC 005)</u> : Grapefruit; Pummelo.
<b>Group 002 Pome Fruits</b>	Apple or Pear	<u>Pome Fruit (FP 0009)</u> : Apple; Azarole; Chinese quince; Crab-apple; Loquat; Mayhaw; Medlar; Nashi pear; Pear; Persimmon, Japanese; Quince; Tejocote; Wild pear.
<b>Group 003 Stone Fruits</b>	Cherry, Sweet or Cherry, Sour; Plum or Prune Plum or Peach or Apricot	<u>Stone fruits (FS 0012)</u> : Apricot; Bullace; Cherry, black; Cherry, Nanking; Cherry plum; Cherry Sour; Cherry, Sweet; Choke cherry; Japanese apricot; Jujube, Chinese; Klamath plum; Nectarine; Peach; Plum; Plum, beach; Plum, Chickasaw; Plumcot; Sloe.
Subgroup 003A, Cherries	Cherry, Sweet or Cherry, Sour	<u>Cherries (FS 0013)</u> : Cherry, black; Cherry, Nanking; Cherry Sour; Cherry, Sweet; Choke cherry
Subgroup 003B, Plums	Plum or Prune Plum	<u>Plums (FS 0014)</u> : Bullace; Cherry plum; Jujube, Chinese; Klamath plum; Plum, Plum, beach; Plum, Chickasaw; Plumcot; Sloe.
Subgroup 003C, Peaches	Peach or Apricot	<u>Peaches (FS 2001)</u> : Apricot; Japanese apricot; Nectarine; Peach.
<b>Group 004 Berries and other small fruits</b>	Blackberry or Raspberry; Blueberry or Currants, black, red or white; Elderberry; Grape and Strawberry	<u>Berries and other small fruits (FB 0018)</u> : Agritos; Amur river grape; Arguta kiwifruit; Aronia berries; Bayberries; Bearberry; Bilberry; Bilberry, Bog; Bilberry, Red; Blackberries; Blueberries; Buffaloberry; Buffalo currant; Che; Chilean guava; Cloudberry; Cranberry; Currants, Black, Red, White; Dewberries; Elderberries; European barberry; Guelder rose; Gooseberry; Grapes; Huckleberries; Jostaberries; Juneberries; Mulberries; Muntries; Native currant; Partridge berry; Phalsa; Raspberries, Red, Black; Ribberries; Rose hips; Salal; Schisandrberry; Sea buckthorn; Service berries; Silverberry, Russian; Strawberry; Strawberries, Wild; Table grapes; Vaccinium berries; Wine grapes.

<sup>2</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.

Codex Group / Subgroup	Examples of Representative Commodities <sup>2</sup>	Extrapolation to the following commodities
Subgroup 004A, Cane berries	Blackberry or Raspberry	<u>Cane berries (FB 2005)</u> : Blackberries; Dewberries; Raspberries, Red, Black.
Subgroup 004B, Bush berries	Blueberry or Currants, black, red or white	<u>Bush berries (FB 2006)</u> : Vaccinium berries; Blueberries; Agritos; Aronia berries; Bearberry; Bilberry; Bilberry, Bog; Bilberry, Red; Buffalo currant; Chilean guava; Currants, Black, Red, White; Gooseberry; European barberry; Huckleberries; Jostaberries; Juneberries; Native currant; Ribberies; Rose hips; Salal; Sea buckthorn.
Subgroup 004C, Large shrub/tree berries	Elderberry	<u>Large shrub/tree berries (FB 2007)</u> : Bayberries; Buffaloberry; Che; Elderberries; Guelder rose; Mulberries; Phalsa; Service berries; Silverberry, Russian.
Subgroup 004D, Small fruit vine climbing	Grapes	<u>Small fruit vine climbing (FB 2008)</u> : Arguta kiwifruit; Amur river grape; Grapes; Schisandraberries; Table grapes; Wine grapes.
Subgroup 004E, Low growing berries	Strawberry	<u>Low growing berries (FB 2009)</u> : Cranberry; Cloudberry; Muntries; Partridge berry; Strawberry; Strawberries, Wild.
<b>Group 005 Assorted tropical and sub-tropical fruits – edible peel</b>	Olive; Fig or Guava and Date	<u>Assorted tropical and sub-tropical fruits – edible peel (FT 0026)</u> : Açai; African plum; Almondette; Ambarella; Apak palm; Apple berry; Arazá; Arbutus berry; Babaco; Bacaba palm; Bacaba-de-leque; Barbados cherry; Bayberry, Red; Bignay; Bilimbi; Breadnut; Cabeluda; Cajou (pseudofruit); Cambucá; Carambola; Carandas-plum; Carob; Cashew apple; Ceylon iron wood; Ceylon olive; Cherry-of-the-Rio-Grande; Chinese olive, Black, White; Chirauli-nut; Ciruela verde; Coco plum; Date; Davidson's plum; Desert date; Doum or Dum palm; False sandalwood; Fig; Fragrant Manjack; Gooseberry, Abyssinian; Gooseberry, Ceylon; Gooseberry, Indian; Governor's plum; Grumichama; Guabiroba; Guava; Guava, Brazilian; Guava, Cattley, Guava, Costa Rican; Guava, Para; Guava berry; Guayabillo; Hog plum; Illawarra plum; Imbé; Imbu; Jaboticaba; Jamaica cherry; Jambolan; Java apple; Jelly palm; Jujube, Indian; Kaffir plum; Kakadu plum; Kapundung; Karanda; Kwai muk; Lemon aspen; Mangaba; Marian plum; Mombin, Malayan; Mombin, purple; Monkeyfruit; Monos plum; Mountain cherry; Nance; Natal plum; Noni; Otaheite gooseberry; Papaya, Mountain; Patauá; Peach Palm; Persimmon, Black; Pitomba; Pomerac; Rambai; Rose apple; Rumberry; Sea grape; Sentul; Sete-capotes; Silver aspen; Surinam cherry; Table olives; Uvalha; Water apple; Water berry; Water pear.
Subgroup 005A, Assorted tropical and sub-tropical, Edible Peel – Small	Olives	<u>Edible Peel - Small (FT 2011)</u> : African plum; Almondette; Apple berry; Arbutus berry; Barbados cherry; Bayberry, Red; Bignay; Breadnut; Cabeluda; Carandas-plum; Ceylon iron wood; Ceylon olive; Cherry-of-the-Rio-Grande; Chinese olive, Black, White; Chirauli-nut; Coco plum; Desert date; False sandalwood; Fragrant Manjack; Gooseberry, Abyssinian; Gooseberry, Ceylon;; Governor's plum; Grumichama; Guabiroba; Guava berry; Hog plum; Illawarra plum; Jamaica cherry; Jambolan; Java apple; Kaffir plum; Kakadu plum; Karanda; Kapundung; Lemon aspen; Monos plum; Mountain cherry;; Otaheite gooseberry; Persimmon, Black; Pitomba; Rumberry; Sea grape; Sete-capotes; Silver aspen; Table olives; Water apple; Water berry; Water pear.

Codex Group / Subgroup	Examples of Representative Commodities <sup>2</sup>	Extrapolation to the following commodities
Subgroup 005B, Assorted tropical and sub-tropical, Edible Peel – Large	Fig or Guava	<u>Edible Peel - Large (FT 2012)</u> : Ambarella; Arazá; Babaco; Bilimbi; Cajou (pseudofruit); Cambucá; Carambola; Carob; Cashew apple; Ciruela verde; Davidson's plum; Fig; Gooseberry, Indian; Guava; Guava, Brazilian; Guava, Cattley, Guava, Costa Rican; Guava, Para; Guayabillo; Imbé; Imbu; Jaboticaba; Jujube, Indian; Kwai muk; Mangaba; Marian plum; Mombin, Malayan; Mombin, purple; Monkeyfruit; Nance; Natal plum; Noni; Papaya, Mountain; Pomerac; Rambai; Rose apple; Sentul; Surinam cherry; Uvalha.
Subgroup 005C, Assorted tropical and sub-tropical, Edible Peel – Palms	Date	<u>Edible Peel - Palms (FT 2013)</u> : Açaí; Apak palm; Bacaba palm; Bacaba-de-leque; Date; Doum or Dum palm; Jelly palm; Patauá; Peach Palm.
<b>Group 006 Assorted tropical and sub-tropical fruits – inedible peel</b>	Litchi (lychee) or Longans or Spanish Lime; Avocado; Pomegranate or Mango; Banana and Papaya; Atemoya; Pineapple; Dragonfruit; Prickly pear; Kiwifruit or Passionfruit and Muriti or Palmyra Palm	<u>Assorted tropical and sub-tropical fruits – inedible peel (FI 0030)</u> : Abiu; Aisen; Akee apple; Atemoya; Avocado; Bacuri; Bael fruit; Banana; Binjai; Biriba; Breadfruit; Burmese grape; Cacao (pulp); Canistel; Capuacú; Champedak; Cherimoya; Coconut, young; Custard apple; Durian; Elephant apple; Etambe; Feijoa; Granadilla; Granadilla, Giant; Guriri; Ilama; Ingá; Jackfruit; Jatobá; Kei apple; Kiwifruit; Kokam; Langsat; Lanjut; Longan; Lucuma; Litchi (lychee); Mabolo; Madras-thorn; Mammy apple; Manduro; Mango; Mango, horse; Mango, Saipan; Mangosteen; Marang; Marmalade-box; Matisia; Mesquite; Mongongo; Monkey-bread tree; Monstera; Muriti; Naranjilla; Paho; Palmyra palm; Papaya; Passionflower, Winged-stem; Passion fruit; Passion fruit, banana; Pawpaw; Pawpaw, small flower; Pelipisan; Pequi; Persimmon, American; Pineapple; Pitaya; Pomegranate; Poshte; Prickly pear, Pulasan; Quandong; Rambutan; Saguaro; Salak; Sapodilla; Sapote, black; Sapote, green; Sapote, Mammey; Sapote, white; Sataw; Satinleaf; Screwpine; Sierra Leone-tamarind; Soncoya; Soursop; Spanish lime; Star apple; Sugar apple; Sun sapote; Tamarillo; Tamarind (sweet varieties); Tamarind-of-the-Indies; Velvet tamarind; Wampi; White star apple; Wild loquat.
Subgroup 006A, Assorted tropical and sub-tropical, Inedible Peel, Small	Litchi (lychee) or Longans or Spanish Lime	<u>Inedible Peel - Small (FI 2021)</u> : Aisen; Bael fruit; Burmese grape; Ingá; Litchi; Longan; Madras-thorn; Manduro; Matisia; Mesquite; Mongongo; Pawpaw, small flower; Satinleaf; Sierra Leone-tamarind; Spanish lime; Tamarind (sweet varieties); Velvet tamarind; Wampi; White star apple.
Subgroup 006B, Assorted tropical and sub-tropical, Inedible Smooth Peel - Large	Avocado; Pomegranate or Mango; Banana and Papaya	<u>Inedible Smooth Peel - Large (FI 2022)</u> : Abiu; Akee apple; Avocado; Bacuri; Banana; Binjai; Cacao (pulp); Canistel; Capuacú; Etambe; Feijoa; Jatobá; Kei apple; Kokam; Langsat; Lanjut; Lucuma; Mabolo; Mango; Mango, horse; Mango, Saipan; Mangosteen; Naranjilla; Paho; Papaya; Pawpaw; Pelipisan; Pequi; Persimmon, American; Pomegranate; Quandong; Sapote, black; Sapote, green; Sapote, white; Sataw; Star apple; Tamarillo; Tamarind-of-the-Indies; Wild loquat.

Codex Group / Subgroup	Examples of Representative Commodities <sup>2</sup>	Extrapolation to the following commodities
Subgroup 006C, Assorted tropical and sub-tropical, Inedible, Rough or Hairy Peel - Large	Atemoya and Pineapple	<u>Inedible rough or hairy peel - Large (FI 2023)</u> : Atemoya; Biriba; Breadfruit; Champedak; Cherimoya; Custard apple; Durian; Elephant apple; Ilama; Jackfruit; Mammy apple; Marang; Marmalade-box; Monkey-bread tree; Pineapple; Poshte; Pulasan; Rambutan; Sapodilla; Sapote, Mammey; Screwpine; Soncoya; Soursop; Sugar apple; Sun sapote.
Subgroup 006D, Assorted tropical and sub-tropical, Inedible Peel - Cactus	Pitaya and Prickly pear	<u>Inedible Peel - Cactus (FI 2024)</u> : Pitaya; Prickly pear; Saguaro.
Subgroup 006E, Assorted tropical and sub-tropical, Inedible Peel - Vines	Kiwifruit or Passionfruit	<u>Inedible Peel - Vines (FI 2025)</u> : Granadilla; Granadilla, Giant; Kiwifruit; Monstera; Passionflower, Winged-stem; Passionfruit; Passionfruit, banana.
Subgroup 006F, Assorted tropical and sub-tropical, Inedible Peel - Palms	Muriti or Palmyra Palm	<u>Inedible Peel - Palms (FI 2026)</u> : Coconut, young; Guriri; Muriti; Palmyra Palm; Salak.

**Appendix VIII****Part B****PROPOSED DRAFT TABLE 2 ON EXAMPLES OF SELECTION OF REPRESENTATIVE COMMODITIES  
(VEGETABLE COMMODITY GROUPS)**

for inclusion in the *Principles and Guidance for the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides for Commodity Groups (CAC/GL 84-2012)*

(For adoption at Step 5/8)

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Group 009 Bulb vegetables</b>	Bulb onion and Spring onion or leek	<u>Bulb vegetables (VA 0035)</u> : Chives; Chives, Chinese; Daylily; Elegans hosta; Fritillaria (bulb); Fritillaria (green); Garlic; Garlic chives; Garlic, Great-headed; Garlic, Serpent; Kurrat; Lady's leek; Leek; Lily; Onion, Beltsville bunching; Onion, Bulb; Onion, Chinese; Onion, fresh; Onion macrostem; Onion, pearl; Onion, potato; Onion, Welsh; Shallot; Silverskin onion; Spring onion; Tree onion; Wild leek
Subgroup 009A, Bulb Onions	Bulb onion	<u>Bulb Onions (VA 2031)</u> : Daylily; Fritillaria (bulb); Garlic; Garlic, Great-headed; Garlic, Serpent; Lily; Onion, Bulb; Onion, Chinese; Shallot; Silverskin onion
Subgroup 009B, Green Onions	Spring onion or leek	<u>Green Onions (VA 2032)</u> : Chives; Chives, Chinese; Elegans hosta; Fritillaria (green); Garlic chives; Kurrat; Lady's leek; Leek; Onion, Beltsville bunching; Onion, fresh; Onion macrostem; Onion, pearl; Onion, potato; Onion, Welsh; Spring onion; Tree onion; Wild leek
<b>Group 010 Brassica vegetables (except Brassica leafy vegetables)</b>	Broccoli (Could be partly replaced by Cauliflower) and Cabbage, Head or Chinese cabbage (type Pe-tsai) and Brussels sprouts and Kohlrabi	<u>Brassica vegetables (except Brassica leafy vegetables), Flowerhead cabbages (VB0040)</u> : Broccoli; Brussels sprouts; Cabbages, Head; Chinese cabbage (type Pe-tsai); Cauliflower; Kohlrabi; Stem mustard
Subgroup 010A, Flowerhead Brassicas	Broccoli (Could be partly replaced by Cauliflower)	<u>Flowerhead Brassicas (VB 0042)</u> : Broccoli; Cauliflower
Subgroup 010B, Head Brassicas	Cabbage, Head or Chinese cabbage (type Pe-tsai) and Brussels sprouts	<u>Head Brassicas (VB 2036)</u> : Brussels sprouts; Cabbages, Head; Chinese cabbage (type Pe-tsai)
Subgroup 010C, Stem Brassicas	Kohlrabi	<u>Stem Brassicas (VB 2016)</u> : Kohlrabi; Stem mustard

<sup>1</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.

Codex Group / Subgroup	Examples of Representative Commodities <sup>1</sup>	Extrapolation to the following commodities
<b>Group 11 Fruiting vegetables, Cucurbits</b>	Cucumber and Squash, Summer and/or gourd and Melon ( <i>Cucumis melo</i> )	Fruiting vegetables, Cucurbits (VC 0045): African horned melon; Balsam apple; Bitter melon; Bottle gourd; Casabanana; Chayote; Chieh-quia; Chinese cucumber; Cucumber; Cucumber, exploding; Cucumber, stuffing; Gac; Gherkin; Gherkin, West Indian; Gourd, bitter snake; Gourd, buffalo; Gourd, fluted; Gourd, Malabar; Gourds, other; Gourd, pointed; Gourd, round; Indian spine gourd; Ivy gourd; Japanese snake gourd; Loofah, angled; Loofah, Smooth; Melons, except watermelon; Melon, nara; Pumpkins; Snake gourd; Squash, Summer; Tacaco; Watermelon; Wax gourd (mature fruit); Winter squash
Subgroup 11A, Fruiting vegetables, Cucurbits - Cucumber and Summer squashes	Cucumber and Squash, Summer and/or gourd	<u>Fruiting vegetables, Cucurbits - Cucumber and Summer Squashes (VC 2039)</u> : Balsam apple; Bitter melon; Bottle gourd; Chayote; Chieh-quia; Chinese cucumber; Cucumber; Cucumber, exploding; Cucumber, stuffing; Gac; Gherkin; Gherkin, West Indian; Gourd, bitter snake; Gourd, buffalo; Gourd fluted; Gourd, Malabar; Gourds, other; Gourd, pointed; Gourd, round; Indian spine gourd; Ivy gourd; Japanese snake gourd; Loofah, Angled; Loofah, Smooth; Snake gourd; Squash, Summer; Tacaco
Subgroup 11B, Fruiting vegetable, Cucurbits - Melons, Pumpkins and Winter Squashes	Melon ( <i>Cucumis melo</i> )	<u>Fruiting vegetables, Cucurbits Cucurbits - Melons, Pumpkins and Winter Squashes (VC 2040)</u> : African horned melon; Casababana; Melons, except Watermelon; Melon, nara; Pumpkins; Watermelon; Wax gourd (mature Fruit); Winter squash
<b>Group 012 Fruiting vegetables, other than Cucurbits</b>	One cultivar of large variety Tomato and one cultivar of small variety Tomato and Sweet Pepper and Chili pepper and One cultivar of large variety eggplant and/or tomato and one cultivar of small variety eggplant and/or tomato	<u>Fruiting vegetables, other than Cucurbits (VO 0050)</u> : African eggplant; Bush tomato; Cherry tomato; Cocona; Currant tomato; Eggplant; Garden huckleberry; Goji berry; Ground cherries, Martynia; Okra; Pea eggplant; Pepino; Peppers, Chili; Peppers, sweet; Roselle; Scarlet eggplant; Sunberry; Tomatillo; Tomato; Thai eggplant
Subgroup 12A, Tomatoes	One cultivar of large variety Tomato and one cultivar of small variety Tomato	<u>Tomatoes (VO 2045)</u> : Bush tomato; Cherry tomato; Cocona; Currant tomato; Garden huckleberry; Goji berry; Ground cherries; Sunberry; Tomatillo; Tomato
Subgroup 12B, Pepper and pepper-like commodities	Sweet Pepper and Chili pepper	<u>Peppers (VO 0051)</u> : Martynia; Okra; Peppers, Chili; Peppers, sweet; Roselle;



Codex Group / Subgroup	Examples of Representative Commodities <sup>1</sup>	Extrapolation to the following commodities
Subgroup 12C, Eggplant and eggplant-like commodities	One cultivar of large variety eggplant and/or tomato and one cultivar of small variety eggplant and/or tomato	Eggplants (VO 2046): African eggplant; Eggplant; Pea eggplant; Pepino; Scarlet eggplant; Thai eggplant
<b>Group 013 Leafy vegetables (including Brassica leafy vegetables)</b>	<p>Head lettuce and/or Leaf lettuce and Spinach</p> <p>and</p> <p>Mustard greens or Kale or Broccoli, Chinese or radish leaves</p> <p>and</p> <p>Sweet potato leaves or Arrowroot leaves</p> <p>and</p> <p>Grape leaves</p> <p>and</p> <p>Kangkung or Water mimosa or Watercress</p> <p>and</p> <p>Witloof chicory (sprouts)</p> <p>and</p> <p>Chayote leaves or Pumpkin leaves</p> <p>and</p> <p>Leaf lettuce or any crop intended to use as baby leaves (harvested up to 8 true leaf stage)</p> <p>and</p> <p>Mungbean sprouts</p>	<p><u>Leafy vegetables (including Brassica leafy vegetables) (VL 0053)</u>: Acacia shoots; African Eggplant leaves; African nightshade; Agretti; Alexanders leaves; Alfalfa sprouts; Amaranth leaves; Arrowroot leaves; Aster, Indian; Ayoyo; Baby leaves; Balsam pear leaves; Bambara groundnut leaves; Barley shoots; Bell flower, Chinese leaves; Ben moringa leaves; Bitawiri; Bitter leaf; Blackjack; Boxthorn; Broccoli, Chinese; Broccoli raab; Cabbage, Abyssinian; Cabbage, Seakale; Cassava leaves; Cat's Wiskers; Chamchwi; Chamnamul; Chamssuk; Chard; Chayote leaves; Chervil; Chicory leaves; Chili pepper leaves; Chinese cabbage (type Pak-choi); Chinese flat cabbage; Chipilin; Cress, Garden; Cress, Upland; Chrysanthum, edible leaved; Common bean leaves; Corn salad; Cos lettuce; Cosmos; Cowpea leaves; Dandelion; Danggwai; Daylily leaves; Dock; Dolnamul; Ebolo; Endive; Fame flower; Feather cockscomb; Flowering white cabbage; Glasswort, common; Godeulppaegi; Gomchwi; Goosefoot leaves; Grape leaves; Hanover salad; Iceplant; Ivy gourd leaves; Japanese honewort; Jute; Kahurura; Kangkung; Kale; Kohlrabi leaves; Komatsuna; Lettuce, bitter; Lettuce, Head; Lettuce, Leaf; Maca leaves; Mallow leaves; Melientha; Mizuna; Monkey-bread tree leaves; Mungbean sprouts; Mustard greens; Mustard, tuberous rooted leaves, Chinese; New Zealand spinach; Okazi leaves; Orach; Papaya leaves; Peanut leaves; Perilla leaves; Plantain leaves; Polygonatum leaves; Pumpkin leaves; Purple-stem mustard; Purslane; Purslane, Winter; Radish leaves; Radish sprouts; Rampion leaves; Rape greens; Roselle leaves; Rucola; Rutabaga greens; Salsify leaves; Sanmaneul leaves; Shepherd's purse; Sichuan pepper sprouts; Sowthistle; Soya bean leaves; Soya bean sprouts; Spider plant; Spinach; Spinach, Indian; Ssam cabbage; Seumbagwi; Sweet potato, leaves; Tanier spinach; Tannia leaves; Taro leaves; Toona sinensis; Turnip greens; Ullucu leaves; Velvet plant leaves; Violet, Chinese; Wasabi leaves; Water clover; Watercress; Water mimosa; Water shield; White lead tree; Wild Rocket; Witloof chicory (sprouts); Yam leaves</p>

Codex Group / Subgroup	Examples of Representative Commodities <sup>1</sup>	Extrapolation to the following commodities
Subgroup 013A, Leafy greens	Head lettuce and/or Leaf lettuce and Spinach	<u>Leafy greens (VL 2050)</u> : African Eggplant leaves; African nightshade; Agretti; Amaranth leaves; Aster, Indian; Ayoyo; Bambara groundnut leaves; Barley shoots; Bitawiri; Bitter leaf; Blackjack; Boxthorn; Cat's Whiskers; Chamchwi; Chamnamul; Chamssuk; Chard; Chervil; Chicory leaves; Chili pepper leaves; Chipilin; Chrysanthum, edible leaved; Common bean leaves; Corn salad; Cos lettuce; Cosmos; Cowpea leaves; Dandelion; Danggwí; Daylily leaves; Dock; Dolnamul; Ebolo; Endive; Fame flower; Feather cockscomb; Glasswort, common; Godeulppaegi; Gomchwi; Goosefoot leaves; Iceplant; Japanese honewort; Jute; Lettuce, bitter; Lettuce, Head; Lettuce, Leaf; Mallow leaves; New Zealand spinach; Orach; Peanut leaves; Perilla leaves; Plantain leaves; Polygonatum leaves; Purslane; Purslane, Winter; Sanmaneul leaves; Sowthistle; Soya bean leaves; Spider plant; Spinach; Spinach, Indian; Seumbagwi; Tanier spinach; Violet, Chinese
Subgroup 013B, Brassica leafy vegetables	Mustard greens or Kale or Broccoli, Chinese, or radish leaves	<u>Leaves of Brassicaceae (VL 0054)</u> : Broccoli, Chinese; Broccoli raab; Cabbage, Abyssinian; Cabbage, Seakale; Chinese cabbage (type Pak-choi); Chinese flat cabbage; Cress, Garden; Cress, Upland; Flowering white cabbage; Hanover salad; Kale; Kohlrabi leaves; Komatsuna; Maca leaves; Mizuna; Mustard greens; Mustard, tuberous rooted leaves, Chinese; Purple-stem mustard; Radish leaves; Rape greens; Rucola; Rutabaga greens; Shepherd's purse; Ssam cabbage; Turnip greens; Wasabi leaves; Wild Rocket
Subgroup 013C, Leaves of root and tuber vegetables	Sweet potato leaves or Arrowroot leaves	<u>Leaves of root and tuber vegetables (VL 2052)</u> : Alexanders leaves; Arrowroot leaves; Bell flower, Chinese leaves; Cassava leaves; Rampion leaves; Salsify leaves; Sweet potato, leaves; Tannia leaves; Taro leaves; Ullucu leaves; Velvet plant leaves; Yam leaves
Subgroup 013D, Leaves of trees, shrubs and vines	Grape leaves	<u>Leaves of trees, shrubs and vines (VL 2053)</u> : Acacia shoots; Ben moringa leaves; Grape leaves; Melientha; Monkey-bread tree leaves; Okazi leaves; Papaya leaves; Roselle leaves; Sichuan pepper sprouts; Toona sinensis; White lead tree
Subgroup 013E, Leafy aquatic vegetables	Kangkung or Water mimosa or Watercress	<u>Leafy aquatic vegetables (VL 2054)</u> : Kangkung; Water clover; Watercress; Water mimosa; Water shield
Subgroup 13 F, Witloof	Witloof chicory (sprouts)	<u>Witloof chicory sprouts (VL 2832)</u> : Witloof chicory (sprouts)

Codex Group / Subgroup	Examples of Representative Commodities <sup>1</sup>	Extrapolation to the following commodities
Subgroup 13 G, Leaves of Cucurbitaceae	Chayote leaves or Pumpkin leaves	<u>Leaves of Cucurbitaceae (VL 2056)</u> : Balsam pear leaves; Chayote leaves; Ivy gourd leaves; Kahurura; Pumpkin leaves
Subgroup 13 H, Baby leaves	Leaf lettuce or any crop intended to use as baby leaves (harvested up to 8 true leaf stage)	<u>Baby leaves (VL 2057)</u> : Baby leaves
Subgroup 13 I, Sprouts	Mungbean sprouts	<u>Sprouts (VL 2058)</u> : Alfalfa sprouts; Mungbean sprouts; Radish sprouts; Soya bean sprouts
<b>Group 14 Legume vegetables</b>	Beans with pods ( <i>Phaseolus</i> spp.) and/or Peas with pods (Garden pea or podded pea) and Succulent beans without pods ( <i>Phaseolus</i> spp.) and Garden pea and Bambara groundnut (immature seeds)	<u>Legume vegetables (VP 0060)</u> : Beans with and without pods ( <i>Phaseolus</i> spp.); Beans with and without pods ( <i>Vigna</i> spp.); Bambara groundnut; Ben moringa; Broad bean; Broad bean; Catjang; Chick-pea; Common bean (poroto); Cowpea; Garden pea; Goa bean; Grass pea; Guar; Jack bean; Lablab bean; Lentil; Lima bean; Lupin; Moth bean; Mung bean; Peas with and without pods ( <i>Pisum</i> spp.); Peanut (immature); Pigeon pea; Podded pea; Rice bean; Scarlet runner bean; Soya bean; Stink bean; Sword bean; Urd bean; Velvet bean; Winged pea; Yard-long bean;
Subgroup 14A, Beans with pods	Beans with pods ( <i>Phaseolus</i> spp.)	<u>Beans with pods (VP 2060)</u> : Beans with pods ( <i>Phaseolus</i> spp.); Beans with pods ( <i>Vigna</i> spp.); Broad bean; Catjang; Common bean (poroto); Cowpea; Goa bean; Guar; Jack bean; Lablab bean; Moth bean; Mung bean; Rice bean; Scarlet runner bean; Soya bean; Stink bean; Sword bean; Urd bean; Yard-long bean
Subgroup 14B, Peas with pods	Peas with pods (Garden pea or podded pea) and/or Beans with pods ( <i>Phaseolus</i> spp.)	<u>Peas with pods (VP2061)</u> : Peas with pods ( <i>Pisum</i> spp.); Ben Moringa; Chick-pea; Garden pea; Grass pea; Lentil; Pigeon pea; Podded pea; Winged pea
Subgroup 14C, Succulent beans without pods	Succulent beans without pods ( <i>Phaseolus</i> spp.)	<u>Succulent beans without pods (VP 2062)</u> : Beans, without pods ( <i>Phaseolus</i> spp.); Beans, without pods ( <i>Vigna</i> spp.); Broad bean, without pods; Catjang; Common bean; Cowpea; Goa bean; Jack bean; Lablab bean; Lima bean; Lupin; Moth bean; Scarlet runner bean; Soya bean; Stink bean; Velvet bean
Subgroup 14D, Succulent peas without pods	Garden pea	<u>Succulent peas without pods (VP 2063)</u> : Peas ( <i>Pisum</i> spp.) without pods; Chick-pea; Garden pea; Lentil; Pigeon pea

Codex Group / Subgroup	Examples of Representative Commodities <sup>1</sup>	Extrapolation to the following commodities
Subgroup 14E, Underground immature beans and peas	Bambara groundnut (immature seeds)	<u>Underground beans and peas (VC 2064)</u> : Bambara groundnut (immature seeds); Peanut (immature)
<b>Group 15 Pulses</b>	Beans, dry ( <i>Phaseolus</i> spp.) and/or Peas, dry ( <i>Pisum</i> spp.) and Soya bean, dry and Bambara groundnut (dry)	<u>Pulses (VD 0070)</u> : Beans ( <i>Phaseolus</i> spp.); Beans ( <i>Vigna</i> spp.); Adzuki bean; African yam bean; Bambara groundnut; Broad bean; Chick-pea; Common bean; Common Vetch; Cowpea; Field pea; Goa bean; Grass-pea; Guar; Horse gram; Jack bean; Kersting's groundnut; Lablab bean; Lentil; Lima bean; Lupin; Morama bean; Moth bean; Mung bean; Peas; Peas ( <i>Pisum</i> spp.); Pigeon pea; Rice bean; Scarlet runner bean; Soya bean; Sword bean; Tepary bean; Thick bean; Urd bean; Velvet bean; Vetches; Winged pea; Yardlong bean
Subgroup 15A, Dry beans	Beans, dry ( <i>Phaseolus</i> spp.) and/or Peas, dry ( <i>Pisum</i> spp.) and Soya bean, dry	<u>Dry beans (VD 2065)</u> : Beans ( <i>Phaseolus</i> spp.); Beans ( <i>Vigna</i> spp.); Adzuki bean; African yam bean; Broad bean; Common bean; Common Vetch; Cowpea; Goa bean; Guar; Horse gram; Jack bean; Lablab bean; Lima bean; Lupin; Morama bean; Moth bean; Mung bean; Rice bean; Scarlet runner bean; Soya bean; Sword bean; Tepary bean; Thick bean; Urd bean; Velvet bean; Vetches; Winged pea; Yardlong bean
Subgroup 15B, Dry peas	Peas, dry ( <i>Pisum</i> spp.) and/or Beans, dry ( <i>Phaseolus</i> spp.)	<u>Dry peas (VD 2066)</u> : Peas ( <i>Pisum</i> spp.); Chick-pea; Field pea; Grass-pea; Lentil; Pigeon pea
Subgroup 15C, Dry underground pulses	Bambara groundnut (dry)	<u>Dry underground pulses (VD 2067)</u> : Bambara groundnut (dry); Kersting's groundnut
<b>Group 16 Root and tuber vegetables</b>	Carrot and Radish and Sugar Beet or Beetroot and Potato or Sweet potato and Arrowhead	<u>Root and tuber vegetables (VR 0075)</u> : Alocasia; American potato bean; Arracacha; Arrowhead; Arrowroot; Arrowroot, Guinea; Arrowroot, Polynesian; Banana, Abyssinian; Beetroot; Bellflower, Chinese; Burdock, greater or edible; Canna, edible; Caraway, black root; Carrot; Cassava; Cattail; Celeriac; Chayote root; Chervil, Turnip-rooted; Chicory roots; Chinese artichoke; Chinese potato; Chinese water chestnut; Cowpea, wild; Dandelion root; Deodeok; Earthnut pea; Elephant foot yam; Gastrodia tuber; Giant swamp taro; Ginseng; Goa bean root; Horseradish; Jerusalem artichoke; Kaffir potato; Konjac; Kudzu; Ladybell root; Lotus tuber; Maca; Madeira vine; Mashua; Mauka; Murnong; Mustard, tuberous rooted Chinese; Oca; Olbaggae; Parsley, Turnip-rooted; Parsnip; Pencil yam; Pignut; Potato; Radish; Radish, Black; Radish, Japanese; Rampion roots; Salsify; Salsify, Spanish; Scorzonera; Skirret; Sugar beet; Swede; Sweet potato; Tannia; Taro; Tiger nut; Ti palm; Turnip, Garden; Ullucu; Yacon; Yams; Yam vean

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1</sup></b>	<b>Extrapolation to the following commodities</b>
Subgroup 16A, Root vegetables	Carrot and Radish and Sugar beet or Beetroot	Root vegetables (VR 2070) Beetroot; Bellflower, Chinese; Burdock, greater or edible; Caraway, black root; Carrot; Celeriac; Chervil, Turnip-rooted; Chicory roots; Dandelion root; Deodeok; Ginseng; Horseradish; Kudzu; Ladybell root; Maca; Madeira vine; Mauka; Murnong; Mustard, tuberous rooted Chinese; Parsley, Turnip-rooted; Parsnip; Pencil yam; Radish; Radish, Black; Radish, Japanese; Rampion roots; Salsify; Salsify, Spanish; Scorzonera; Skirret; Sugar beet; Swede; Ti palm; Turnip, Garden
Subgroup 16B, Tuberous and corm vegetables	Potato or Sweet potato	Tuberous and corm vegetables (VR 2071): Alocasia; American potato bean; Arracacha; Arrowroot; Arrowroot, Guinea; Arrowroot, Polynesian; Banana, Abyssinian; Canna, edible; Cassava; Chayote root; Chinese artichoke; Chinese potato; Cowpea, wild; Earthnut pea; Elephant foot yam; Gastrodia tuber; Giant swamp taro; Goa bean root; Jerusalem artichoke; Kaffir potato; Konjac; Mashua; Oca; Pignut; Potato; Sweet potato; Tannia; Taro; Tiger nut; Ullucu; Yacon; Yams; Yam bean
Subgroup 16C, Aquatic root and tuber vegetables	Arrowhead	Aquatic root and tuber vegetables (VR 2072): Arrowhead; Cattail; Chinese water chestnut; Lotus tuber; Olbanga
<b>Group 17 Stalk and stem vegetables</b>	Celery and Asparagus and/or Artichoke, globe	Stalk and stem vegetables (VS 0078): Agave; Artichoke, globe; Asparagus; Bamboo shoots; Burdock, edible, tops; Cardoon; Celery; Celtuce; Dokhwal shoot; Dureup young shoot; Eumnamu shoot; Fennel, Bulb; Ferns, edible; Giant butterbur; Palm hearts; Prickly pear pads; Rhubarb; Kale, sea; Sweet potato stems; Taro stems; Udo; Water celery; Zuiki
Subgroup 17A, Stems and petioles	Celery	Stems and petioles (VS 2080): Burdock, edible, tops; Cardoon; Celery; Celtuce; Fennel, Bulb; Giant butterbur; Rhubarb; Sweet potato stems; Taro stems; Zuiki
Subgroup 17B, Young shoots	Asparagus	Young shoots (VS 2081): Agave; Asparagus; Bamboo shoots; Dokhwal shoot; Dureup young shoot; Eumnamu shoot; Ferns, edible; Kale, sea; Udo
Subgroup 17C, Others	Artichoke, globe	Other stalk and stem vegetables (VS 2082) Artichoke, globe; Palm hearts; Prickly pear pads, Water celery

Codex Group / Subgroup	Examples of Representative Commodities <sup>1</sup>	Extrapolation to the following commodities
<b>Group 18 Edible fungi</b>	Mushrooms	Edible fungi (VF 2084): Fungi, Edible, except mushrooms; Black poplar mushroom; Blewitt; Bunashimeji; Cauliflower mushroom; Cep; Chanterelle; Enoke; Hirameola; Ink mushroom; Maitake; Morel; Mushrooms; Nameko; Net bearing Dictyophora; Oyster mushroom; Pine mushroom; Pom pom; Reishi mushroom; Shiitake mushroom; Shimeji; Straw mushroom; Stropharia; Truffle; Wangsongi; White jelly mushroom; Wood ears mushroom

**PART II**

**CONSEQUENTIAL AMENDMENT TO THE  
PRINCIPLES AND GUIDANCE ON THE SELECTION OF REPRESENTATIVE COMMODITIES FOR THE EXTRAPOLATION OF  
MAXIMUM RESIDUE LIMITS FOR PESTICIDES TO COMMODITY GROUPS (CXG 84- 2012)**

**GROUP 012: FRUITING VEGETABLES OTHER THAN CUCURBITS  
SUBGROUP 12C: EGGPLANT AND EGGPLANT-LIKE COMMODITIES**

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1</sup></b>	<b>Extrapolation to the following commodities</b>
Group 012 Fruiting vegetables, other than Cucurbits	One cultivar of large variety Tomato and one cultivar of small variety Tomato and  Sweet Pepper and Chili pepper and  One cultivar of large variety eggplant and/or tomato and one cultivar of small variety eggplant and/or tomato	<u>Fruiting vegetables, other than Cucurbits (VO 0050)</u> : African eggplant; Bush tomato; Cherry tomato; Cocona; Currant tomato; Eggplant; Garden huckleberry; Goji berry;  Ground cherries, Martynia; Okra; Pea eggplant; Pepino; Peppers, Chili; Peppers, sweet; Roselle; Scarlet eggplant; Sunberry; Tomatillo; Tomato; Thai eggplant
Subgroup 12A Tomatoes	One cultivar of large variety Tomato and one cultivar of small variety Tomato	<u>Tomatoes (VO 2045)</u> : Bush tomato; Cherry tomato; Cocona; Currant tomato; Garden huckleberry; Goji berry; Ground cherries; Sunberry; Tomatillo; Tomato
Subgroup 12B Pepper and pepper-like commodities	Sweet Pepper and Chili pepper	<u>Peppers (VO 0051)</u> : Martynia; Okra; Peppers, Chili; Peppers, sweet; Roselle;
<b>Subgroup 12C Eggplant and eggplant-like commodities</b>	One cultivar of large variety eggplant and/or tomato and/or sweet pepper and one cultivar of small variety eggplant and/or tomato and/or chili pepper	<u>Eggplants (VO 2046)</u> : African eggplant; Eggplant; Pea eggplant; Pepino; Scarlet eggplant; Thai eggplant

Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.

**APPENDIX XI****Part B**

**PROPOSED DRAFT TABLE 3 ON EXAMPLES OF SELECTION OF REPRESENTATIVE COMMODITIES  
(GRASS COMMODITY GROUPS)**  
for inclusion in the *Principles and Guidance for the Selection of Representative Commodities for the  
Extrapolation of Maximum Residue Limits for Pesticides for Commodity Groups (CAC/GL 84-2012)*  
(For adoption at Step 5/8)

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities<sup>1</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Group 020 Cereal Grains</b>	Wheat and Barley and Rice and Sorghum Grain and Maize and Sweet corn	<u>Cereal grains (GC 0080)</u> : Amaranth, grain; Baby corn (immature corn); Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Cañihua; Chia; Corn-on-the-cob (kernels plus cob with husk removed); Cram-cam; Hungry rice; Huauzontle; Job's tears; Maize; Millet; Oats; Popcorn; Psyllium sp., Quinoa; Rice; Rice, African; Rye; Sorghum; Sweet corn (whole kernel without cob or husk); Teff or Tef; Teosinte; Triticale; Wheat; Wild rice
Subgroup 020A, Wheat, similar grains and pseudocereals without husks	Wheat	<u>Wheat, similar grains, and pseudocereals without husks (GC 2086)</u> : Amaranth, grain; Cañihua; Chia; Cram-cam; Huauzontle; Psyllium sp., Quinoa; Rye; Triticale; Wheat
Subgroup 020B, Barley, similar grains, and pseudocereals with husks	Barley	<u>Barley, similar grains, and pseudocereals with husks (GC 2087)</u> : Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Oats
Subgroup 020C Rice cereals	Rice	<u>Rice Cereals (GC 2088)</u> : Rice; Rice, African; Wild rice
Subgroup 020D Sorghum Grain and Millet	Sorghum Grain	<u>Sorghum Grain and Millet (GC 2089)</u> : Hungry rice; Job's tears; Millet; Sorghum Grain; Teff or Tef;
Subgroup 020E Maize Cereals	Maize	Maize; Popcorn; Teosinte
Subgroup 020F Sweet corns	Sweet corn (Corn-on-the-cob) (kernels plus cob with husk removed)	<u>Sweet corns (GC 2090)</u> : Baby corn; Sweet corn (Corn-on-the-cob) (kernels plus cob with husk removed); Sweet corn (whole kernel without cob or husk)
<b>Group 021 Grasses for sugar production and grasses and other plants for syrup production</b>	Sugar cane or Sorgo or Sorghum, Sweet	Sorgo or Sorghum, Sweet; Sugar cane

<sup>1</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.



**APPENDIX VII****PART B****PROPOSED DRAFT TABLE 4 ON EXAMPLES OF SELECTION OF REPRESENTATIVE COMMODITIES****Type 04 Nuts, Seeds and Saps**

*(For inclusion in the Principles and Guidance for the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides for Commodity Groups (CXG 84-2012)*

*(For adoption at Step 5/8)*

<b>Group / Subgroup</b>	<b>Examples of representative commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Group 022 Tree nuts</b>	Two commodities from Almonds, Chestnuts, Pecan, Pistachio and Walnuts; Coconut is not an acceptable representative commodity	<u>Tree nuts (TN 0085)</u> : African nut; Almond; Araucaria nut; Beech nut; Betel nut; Brazil nut; Butter nut; Canarium nut; Candle nut; Cashew nut; Chestnut; Chilean hazelnut; Coconut; Dika nut; Ginkgo; Hazelnut; Hickory nut; Japanese horse chestnut; Macadamia nut; Mongongo; Oak nut; Okari nut; Pachira nut; Pecan; Pequi seed; Pili nut; Pine nut; Pistachio nut; Sapucaia nut; Tropical almond; Walnut; Yellow-Horn.
<b>Group 023 Oilseeds and oilfruits</b>		
<b>Subgroup 023A Small seed oilseeds</b>	Rapeseed	<u>Small seed oilseeds (SO 2090)</u> : Borage seed; Corn gromwell seed; Evening primrose seed; Gold of pleasure seed; Hare's ear mustard seed; Honesty seed; Lesquerella seed; Linseed; Meadow foam seed; Mustard seed; Mustard seed, field; Mustard seed, Indian; Perilla seed; Poppy seed; Purple viper's bugloss seed; Radish seed; Rape seed; Sesame seed.
<b>Subgroup 023B Sunflower seeds</b>	Sunflower seed	<u>Sunflower seeds (SO 2091)</u> : Jojoba seed; Niger seed; Safflower seed; Sunflower seed; Tallowwood nut; Tea oil plant seed.
<b>Subgroup 023C Cotton seed</b>	Cotton seed	Cotton seed
<b>Subgroup 023D Other oilseeds</b>	<sup>2)</sup>	American oil palm seed; Argan nut; Babassu seed; Ben Moringa seed; Castor bean; Coyoli palm seed; Grape seed; Hempseed; Kapok; Melon seed; Palm nut; Peanut; Pumpkin seed; Sea buckthorn seed; Shea nut.
<b>Subgroup 023E Oilfruits</b>	Olives for oil production	<u>Oilfruits (SO 2093)</u> : American oil palm fruit; Maripa palm fruit; Olives for oil production; Palm fruit (African oil palm); Tucum fruit.
<b>Group 024 Seeds for beverages and sweets</b>	Cacao bean and Coffee bean	<u>Seed for beverages (SB 0091)</u> : Cacao bean; Coffee bean; Cola nut; Senna seed.

Group / Subgroup	Examples of representative commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 025 Tree saps</b>	Any commodity in this subgroup	<u>Tree saps (ST 2095)</u> : Birch sap; Coconut, inflorescence sap; Hophornbeam sap; Manna sap; Maple sap; Nut sap; Palm sap; Palmyra palm, inflorescence sap; Sycamore sap.

- <sup>1)</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production
- <sup>2)</sup> It is not possible to set a group-CXL for this subgroup because of the broad range of crops in this subgroup.

**APPENDIX VIII****PART B****PROPOSED DRAFT TABLE 5 ON EXAMPLES OF SELECTION OF REPRESENTATIVE COMMODITIES****Type 05 Herbs and spices**

**(For inclusion in the *Principles and Guidance for the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides for Commodity Groups (CXG 84-2012)***

*(For adoption at Step 5/8)*

Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 027 Herbs</b>		
Subgroup 027A, Herbs (herbaceous plants)	Basil or Mint or Leaf lettuce or Spinach	<u>Herbs (HH 2095)</u> : Agrimony; Angelica, leaves; Anise, leaves; Avarum; Azetec sweet herb; Balloon pea; Balm, leaves; Barrenwort; Basil, leaves; Bisongrass; Blue mallow; Boneset; Borage; Borage, Indian; Burnet; Calamint; Calendula, leaves; Caltrop; Caraway, leaves; Catmint; Catnip, Japanese; Celandine, greater; Celandine, lesser; Celery, leaves; Centaury; Chaste tree; Coriander, leaves; Coriander, Bolivian; Coriander, Vietnamese; Costmary; Cover fern; Culantro, leaves; Curry plant; Cut leaf; Dill, leaves; Dokudami; Epazote; Evening primrose; Fennel, leaves; Fennel, Spanish; Fenugreek, leaves; Feverfew; Field pennycress; Fumitory; Gambir; Geranium, leaves; Germander, golden; Greater burnet-saxifrage; Gypsywort; Heal-all; Honewort; Horehound; Hyssop; Hyssop, anise; Jasmine; Labrador tea; Lavender; Lemongrass; Lemon savory; Lovage, leaves; Marigold, leaves; Marjoram; Marshmallow; Meadowsweet; Mint; Mint, Korean; Mioga, shoots and flower buds; Monarda; Motherwort; Mountainmint; Mullein; Nasturtium, leaves; Nettle; Oregano, Mexican; Pandan, leaves; Pansy, leaves; Parsley, leaves; Pennywort; Perilla, leaves; Phak paew; Rice paddy herb; Rosemary; Sage and related <i>Salvia</i> species; Santolina; Savory, Summer and Winter; Sorrel, common; Southernwood; Stevia; Sweet cicely; Tarragon; Thyme; Toon, Chinese; Veronica; Wasabi, stem; Waterpepper, Japanese; Wild betle leaf bush; Winter cress, common, American; Wintergreen leaves; Yarrow; Yellow gentian; Yerba santa; Yomogi
Subgroup 027B Leaves of woody plants	Any commodity in this subgroup or Leaf Lettuce or Spinach	<u>Leaves of woody plants (HH 2096)</u> : Aniseed myrtle; Boldo; Curry, leaves; Damiana; Japanese pepper, leaves; Kaffir lime, leaves; Laurel, leaves; Lemon myrtle; Linden; Mulberry leaves, Myrtle; Native mint; Pepper, leaves; Pepperbush, leaves; Rue; Siamese cassia; Sassafras leaves; Tejpat, leaves
Subgroup 027C Edible flowers	Any commodity in this subgroup or Leaf Lettuce or Spinach	<u>Edible flowers (HH 3200)</u> : Calendula, flowers; Courgette, flowers; Daylily, flowers; Daisy, common, flowers; Geranium, flowers; Marigold, flowers; Nasturtium, flowers; Violet, flowers and other edible flowers

Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 028 Spices</b>		
Subgroup 028A Spices, seeds	Any commodity in this subgroup	<u>Spices, seeds (HS 0190)</u> : Achiote, seed; Ajwain; Ambrette, seed; Angelica, seed; Anise, seed; Annatto, seed; Basil, seed; Black bread weed; Black caraway; Calabash nutmeg; Candlenut; Candlebush; Caraway, seed; Celery, seed; Chervil, seed; Chinese nutmeg tree; Coriander, seed; Cubeb, seed; Culantro, seed; Cumin, seed; Daharian angelica, seed; Dill, seed; Fennel, seed; Fennel flower, seed; Fenugreek, seed; Grains of Paradise, seed; Guarana; Honewort, seed; Lovage, seed; Mahaleb; Malabar tamarind; Marjoram, seed; Milk thistle; Nutmeg; Parsley, seed; Wattle seed
Subgroup 028B Spices, fruit or berry	Any commodity in this subgroup	<u>Spices, fruit or berry (HS 0191)</u> : Anise pepper; Ashwagandha, fruit; Batavia-cassia, fruit; Belleric myrobalan; Caper, berries; Cardamom, pods and seeds; Cassia, fruit; Chasteberry, berry; Chinese hawthorn; Chinese-pepper; Cinnamon, fruit; Coriander, fruit; Cumin, black; Dorrigo pepper, berry; Eucalyptus, fruit; Fennel, fruit; Gambooge; Gardenia, fruit; Grains of Selim; Juniper, berry; Luo han guo; Miracle fruit; Pepper, Black, White, Pink, Green; Pepper, Cubeb; Pepper, long; Pepper, Sichuan; Pepperbush, berry; Peppertree; Pimento, fruit; Saunders, red; Star anise; Sumac; Tamarind, sour varieties; Tasmanian pepper berry; Tonka bean; Tsao-Ko; Uzazi; Vanilla, beans; West African pepper
Subgroup 028C Spices, bark	Any commodity in this subgroup	<u>Spices, bark (HS 0192)</u> : Angostura, bark; Canella bark; Cascada buckthorn, bark; Catechu, bark; Cinnamon bark; Copaiba; Eucalyptus, bark; Eucommia, bark; Frankincense; Galbanum; Guaiac; Guggul; Gum arabic; Gum ghatti; Gum karaya; Gum tragacanth; Haw, black; Magnolia, bark; Mastic; Myrrh; Pine, maritime; Pygeum; Quassia, bark; Quebracho, bark; Quillaja; Red cinchona; Simaruba, bark; Slippery elm
Subgroup 028D Spices, root or rhizome	Any commodity in this subgroup or commodity from Root and Tuber Vegetables, applying an appropriate concentration factor	<u>Spices, root or rhizome (HS 0193)</u> : Angelica, root; Asafoetida, root; Calamus-root; Cat's claw, root; Chinesetree, root; Coptis; Coriander, root; Elecampane, root; Fingerroot; Galangal, rhizome; Ginger, rhizome; Jalap; Liquorice, root; Lovage, root; Temulawak; Tumeric, root; Yellow gentian, root; Zedoary
Subgroup 028E Spices, buds	Any commodity in this subgroup	<u>Spices, buds (HS 0194)</u> : Caper, bud; Cassia, bud; Cloves, bud; Nasturtium, pod;
Subgroup 028F Flower or stigma	Saffron	<u>Spices, flower or stigma (HS 0195)</u> : Golden-and-silver honeysuckle; Kewra, flowers; Saffron
Subgroup 028G Spices, aril	Mace	<u>Spices, aril (HS 0196)</u> : Mace
Subgroup 028H Citrus peel	Any commodity in this subgroup	<u>Spices, citrus peel (HS 0197)</u> : Kaffir lime, peel; Lemon, peel, Orange, peel, Satsuma mandarin, peel; Yuzu, peel
Subgroup 028I	Any commodity in this subgroup	Peppers, Chili, dried

1) Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production

## APPENDIX VII

## Part 2

**REVISION OF THE PRINCIPLES AND GUIDANCE ON THE SELECTION OF REPRESENTATIVE COMMODITIES  
FOR THE EXTRAPOLATION OF MAXIMUM RESIDUE LIMITS FOR PESTICIDES TO COMMODITY GROUPS  
(CXG 84-2012)**

**Table 7. Examples of the selection of representative commodities  
Class C, Type 11 Primary Animal Feed Commodities  
(includes legume feed products, cereal grains (including pseudocereals), grasses feed products  
and miscellaneous feed products)**

**(At Step 5/8)  
(For adoption by CAC)**

Codex Group/Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 050 Legume feed products</b>	3)	--
<b>Subgroup 050A Products of legume feeds with high water (≥20%) content (forage and silage)</b>	Bean, forage and pea, vines or Bean, forage and alfalfa forage or Pea, vines and alfalfa forage <sup>2</sup>	<u>Products of legume feeds with high water content (forage) (AL 3300)</u> : Alfalfa, forage; Alfalfa, silage; Anil indigo, forage; Bean, forage ( <i>Phaseolus</i> spp.); Bean, forage ( <i>Vigna</i> spp.); Berlandier acacia, forage; Black medic, forage; Black wattle, forage; Brazilian stylo, forage; Burclover, forage; Butterfly pea, forage; Chick-pea, forage; Clover, forage; Clover, silage; Gliricidia, forage; Horse bean, forage; Huisache, forage; Kudzu, forage; Leadplant, forage; Lentil, forage; Lespedeza, forage; Leucaena, forage; Leucaena, silage; Lupin, forage; Pea, silage; Pea, vines (green); Peanut, forage (green); Pea, pigeon, forage; Purple prairie clover, forage; Roundleaf cassia, forage; Sainfoin, forage; Sainfoin, silage; Sensitive partridge pea, forage; Sesbania, forage; Soya bean, forage; Soya bean, silage; Thorn mimosa, forage; Tick clover, forage; Trefoil, forage; Vetch, forage; Vetch silage
<b>Subgroup 050B Products of legume feeds with low water (&lt;20%) content (hay)</b>	Bean, hay or pea hay or alfalfa hay <sup>2</sup>	<u>Products of legume feeds with low water content (hay) (AL 3301)</u> : Alfalfa, hay and/or straw; Bean, hay and/or straw ( <i>Phaseolus</i> spp.); Bean, hay and/or straw ( <i>Vigna</i> spp.); Bean, velvet, hay and/or straw; Brazilian stylo, hay and/or straw; Centurion, hay and/or straw; Chick-pea, hay and/or straw; Clover, hay and/or straw; Crotalaria, hay and/or straw; Guar, hay and/or straw; Horse gram, hay and/or straw; Jackbean, hay and/or straw; Lespedeza, hay and/or straw; Leucaena, hay and/or straw; Pea, hay and/or straw; Peanut, hay and/or straw; Perennial peanut, hay and/or straw; Purple prairie-clover, hay and/or straw; Sainfoin, hay and/or straw; Soya bean hay and/or straw; Trefoil, hay and/or straw; Vetch, hay and/or straw
<b>Subgroup 050C Processed products of legume feeds (such a meal, hulls)</b>	3)	--
<b>Group 051 Cereal grains (including pseudocereals) feed product</b>	3)	--

Codex Group/Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Subgroup 051A</b> Cereal grains (including pseudocereals) feed products with high water ( $\geq 20\%$ ) content (forage and silage)	Forage of wheat- and barley-type Cereals	Amaranth, forage; Barley, forage; Barley, silage; Buckwheat, forage; Canarygrass, annual, forage; Oat, forage; Oat, silage; Rye, forage; Rye, silage; Triticale, forage; Triticale, silage; Wheat, forage; Wheat, silage
	Forage of rice-type cereals	Hungry rice, forage; Rice, forage; Rice, silage
	Forage of sorghum grain-type cereals	Millet, forage; Sorghum, forage; Sorghum, silage
	Forage of maize-type cereals	Maize, forage; Maize, silage; Sweet corn, forage
<b>Subgroup 051B</b> Cereal grains (including pseudocereals) feed products with low water ( $< 20\%$ ) content (hay, straw)	Hay of wheat and barley-type cereals	Amaranth, hay and/or straw; Barley, hay and/or straw; Buckwheat, hay and/or straw; Canarygrass, annual, hay and/or straw; Oat, hay and/or straw; Rye, hay and/or straw; Triticale, hay and/or straw; Wheat, hay and/or straw
	Hay of rice-type cereals	Hungry rice, hay and/or straw; Rice, hay and/or straw
	Hay of sorghum grain-type cereals	Millet, hay and/or straw; Sorghum, stover; Sorghum, hay and/or straw; Teff, hay and/or straw
	Hay of maize-type cereals	Maize, hay and/or straw; Maize, stover; Popcorn, stover; Sweet corn, stover; Teosinte, hay and/or straw
<b>Subgroup 051C</b> Cereal grains and grasses (including pseudocereals) feed products processed products (such as silage, bran, hulls)	<sup>3)</sup>	--
<b>Subgroup 051D</b> Grasses for Animal Feed	Any grass, hay in this subgroup	Hay of grasses, includes all hay of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup (AS 0162)
	Any grass, forage in this subgroup	Forage of grasses, includes all forage of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup (AS 0163)
	Any grass, silage in this subgroup	Silage of grasses, includes all hay of species of grasses in the Poaceae (alt.Gramineae) family in this subgroup (AS 0164)
<b>Group 052</b> Miscellaneous Feed Products	<sup>3)</sup>	--
<b>Subgroup 052A</b> Miscellaneous feed products with high water ( $\geq 20\%$ ) content (forage, beet tops)	<sup>3)</sup>	--

<b>Codex Group/Subgroup</b>	<b>Examples of Representative Commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Subgroup 052B Miscellaneous feed products with low water (&lt;20%) content (hay)</b>	3)	--
<b>Subgroup 052C Miscellaneous processed feed products (such as meal, hulls, dried pulp)</b>	3)	--

- <sup>1)</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production
- <sup>2)</sup> A minimum of two representative commodities are needed for this subgroup.
- <sup>3)</sup> It is not possible to set a group CXL for this group because of the broad diversity of crops. However, when a group contains a number of processed commodities originating from raw commodities from one subgroup in Class A (primary food commodities), the representative commodity from that subgroup in Class A can be used as a representative crop for the corresponding commodities in processed form.

**APPENDIX VII****Part 2**

**REVISION OF THE PRINCIPLES AND GUIDANCE ON THE SELECTION OF REPRESENTATIVE COMMODITIES  
FOR THE EXTRAPOLATION OF MAXIMUM RESIDUE LIMITS FOR PESTICIDES TO COMMODITY GROUPS (**  
**CXG 84-2012)**

**Table 8. Examples of the selection of representative commodities Class D, Processed foods of plant origin**

**Type 12 Secondary food commodities of plant origin**

**(includes Dried fruits, Dried vegetables, Dried herbs, and Milled cereal products (early milling stages) Miscellaneous secondary food commodities of plant origin)**

**Type 13 Derived products of plant origin**

**(includes Cereal grain milling fractions, Teas, Vegetable oils, crude, Vegetable oils, edible, Miscellaneous derived edible products of plant origin, Fruit and vegetable juices and By-products, derived from fruit and vegetable processing)**

**(At Step 5/8)**

**(For adoption by CAC)**

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Group 055 Dried fruits</b>	2)	--
<b>Group 056 Dried vegetables</b>	2)	--
<b>Group 057 Dried herbs</b>	Any commodity of subgroup 057A and 057B	<u>Group of Dried herbs (DH 0170):</u> Angelica, including Garden Angelica, dried; Balm leaves, dried; Basil leaves, dried; Borage, dried; Burning bush, dried; Cat's claw, dried; Catmint, dried; Celery leaves, dried; Chinese chastetree, dried; Chinese foxglove, dried; Chive, dried; Chive, Chinese, dried; Coriander leaves, dried; Creat, dried; Dillweed, dried; Echinacea, dried; Eucommia, dried; Fennel, dried; Galbanum, dried; Gambir, dried; Ginger leaves, dried; Gotu kola, dried; Gymnema, dried; Horehound, dried; Hyssop, dried; Laurel leaves, dried; Lavender, dried; Lemongrass, dried; Lovage, dried; Mamaki, dried; Marjoram, dried; Mints, dried; Mulberry leaves, dried; Parsley, dried; Rosemary, dried; Rue, dried; Sage, dried; Savory, Summer, dried; Pepper, leaves, dried; Winter; Squaw vine, dried; Stevia, dried; St. John's Wort, dried; Winter, dried; Sweet cicely, dried; Tansy and related species, dried; Tarragon, dried; Thyme, dried; Vasaka, dried; Wintergreen leaves, dried; Wood betony, dried; Woodruff, dried; Wormwoods, dried
<b>Group 057A Dried herbs</b> - <b>Subgroup of Dried herbs of herbaceous plants</b>	Any commodity in this subgroup	<u>Subgroup of Dried herbs of herbaceous plants (DH 2095):</u> Angelica, including Garden Angelica, dried; Balm leaves, dried; Basil leaves, dried, dried; Borage, dried; Burning bush, dried; Catmint, dried; Celery leaves, dried; Chinese foxglove, dried; Chive, dried; Chive, Chinese, dried; Coriander leaves, dried; Creat, dried; Dillweed, dried; Echinacea, dried; Fennel, dried; Galbanum, dried; Gambir, dried; Ginger leaves, dried; Gotu kola, dried; Horehound, dried; Hyssop, dried; Lavender, dried; Lemongrass, dried; Lovage, dried; Mamaki, dried; Marjoram, dried; Mints, dried; Parsley, dried; Pepper, leaves, dried, Rosemary, dried; Sage, dried; Savory, Summer, Winter, dried; Stevia, dried; Sweet cicely, dried; Tansy and related species, dried; Tarragon, dried; Thyme, dried; Wintergreen leaves, dried; Wood betony, dried; Woodruff, dried; Wormwoods, dried



Codex Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 057B Dried Herbs</b> - Subgroup of Dried herbs of woody plants	Any commodity in this subgroup	<u>Subgroup of Dried herbs of woody plants (DH 2096)</u> : Cat's claw, dried; Chinese chastetree, dried; Eucommia, dried; Gymnema, dried; Laurel leaves, dried; Mulberry leaves, dried; Rue, dried; Squaw vine, dried; St. John's Wort, dried; Vasaka, dried
<b>Group 058 Milled cereal products (early milling stages)</b>	2)	--
<b>Group 059 Miscellaneous secondary food commodities of plant origin</b>	2)	--
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of cereal grains, flour	Wheat and Barley and Rice and Sorghum grain and Maize and sweet corn	<u>Group of cereal grains, flour (CF 0080)</u> : Amaranth, grain; Baby corn (immature corn); Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Cañihua; Chia; Corn-on-the-cob (kernels plus cob with husk removed); Cram-cam; Hungry rice; Huauzontle; Job's tears; Maize; Millet; Oats; Popcorn; Psyllium sp., Quinoa; Rice; Rice, African; Rye; Sorghum; Sweet corn (whole kernel without cob or husk); Teff or Tef; Teosinte; Triticale; Wheat; Wild rice
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of cereal grains, bran, processed	Wheat and Barley and Rice and Sorghum grain and Maize and sweet corn	<u>Group of cereal grains, bran, processed (CF 0081)</u> : Amaranth, grain; Baby corn (immature corn); Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Cañihua; Chia; Corn-on-the-cob (kernels plus cob with husk removed); Cram-cam; Hungry rice; Huauzontle; Job's tears; Maize; Millet; Oats; Popcorn; Psyllium sp., Quinoa; Rice; Rice, African; Rye; Sorghum; Sweet corn (whole kernel without cob or husk); Teff or Tef; Teosinte; Triticale; Wheat; Wild rice
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of Barley, similar grains, and pseudocereals with husks, flour	Barley	<u>Subgroup of Barley, similar grains, and pseudocereals with husks, flour (CF 2087)</u> : Barley; Buckwheat; Buckwheat, tartary; Canarygrass, annual; Oats
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of Maize Cereals and sweet corn, flour	Maize	<u>Subgroup of Maize Cereals and Sweet corn, flour (CF 2090)</u> : Maize; Popcorn; Teosinte, Sweet corn
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of Rice cereals, flour	Rice	<u>Subgroup of Rice cereals, flour (CF 2088)</u> : Rice; Rice, African; Wild rice

Codex Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of Sorghum Grain and Millet, flour	Sorghum grain	<u>Subgroup of Sorghum Grain and Millet, flour (CF 2089)</u> : Hungry rice; Job's tears; Millet; Sorghum Grain; Teff or Tef
<b>Group 065 Cereal grain milling fractions</b> - Subgroup of Wheat, similar grains, and pseudocereals without husks, flour	Wheat	<u>Subgroup of Wheat, similar grains, and pseudocereals without husks, flour (CF 2086)</u> : Amaranth, grain; Cañihua; Chia; Cram-cam; Huauzontle; Psyllium sp., Quinoa; Rye; Triticale; Wheat
<b>Group 066 Teas</b>	2)	
<b>Subgroup 66A Teas - Teas from Camellia sinensis</b>	<i>Camellia sinensis</i>	<u>Tea, Black, Green (fermented and dried); (DT 1114)</u> : Purple tea; Tea, Green, dried; Tea, Black, dried and fermented
<b>Subgroup 66B Teas - Herbal teas from leaves/blossoms</b>	Any herbal tea from leaves/blossoms in this subgroup	<u>Teas - Herbal teas from leaves/blossoms (DT 0172)</u> : Camomile or Chamomile, dried leaves/blossoms; Chrysanthemum, dried blossoms; Cyclocarya, dried leaves; Leaves and blossoms from other crops used for herbal teas, dried; Lemon verbena, dried leaves; Lime/Linden dried blossoms; Maté, dried leaves; Noble dendrobium, dried leaves; Rooibos; Roselle, calyxes/ blossoms, dried
<b>Subgroup 66C Teas - Herbal teas from roots</b>	Any herbal tea from roots in this subgroup	<u>Teas - Herbal teas from roots (DT 0173)</u> : Valerian root, dried; Roots from other crops used for herbal teas, dried; Valerian root, dried
<b>Group 067 Vegetable oils, crude</b>	2)	--
<b>Group 068 Vegetable oils, edible (or refined)</b>	2)	--
<b>Group 069 Miscellaneous derived edible products of plant origin</b>	2)	--
<b>Group 070 Fruit and vegetable juices</b>	2)	--
<b>Group 071 By-products, derived from fruit and vegetable processing</b>	2)	--

<sup>1)</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.

<sup>2)</sup> It is not possible to set a group CXL for this group because of the broad diversity of crops. However, when a group contains a number of processed commodities originating from raw commodities from one subgroup in Class A (primary food commodities), the representative commodity from that subgroup in Class A can be used as a representative crop for the corresponding commodities in processed form. For extrapolation of processed commodities, extrapolation options in the OECD guideline can also be considered.

**APPENDIX IX**

**REVISION OF THE CLASSIFICATION OF FOOD AND ANIMAL FEED  
(CXA 4 – 1989)**

**Transfer of Commodities from Class D to Class C  
(For information)**

<b>Transferring commodity</b>	<b>Existing code</b>	<b>Number of CXLs</b>	<b>New code</b>	<b>Class C Subgroup</b>
Cotton gin trash	AB 1204	1	AM 3587	052C
Cotton seed, hulls	AB 0691	1	AM 3588	052C
Cotton seed, meal	AB 1203	2	AM 3589	052C
Rice hulls	CM 1207	2	AS 3570	051C
Soya bean meal	AB 1265	1	AL 3539	050C
Soya bean hulls	AB 0541	4	AL 3538	050C
Sugar beet, pulp, dry	AB 0596	2	AM 3599	052C
Sugar beet, pulp, wet	AB 1201	0	AM 1201	052C
Sweet corn cannery waste	AB 0447	1	AM 3601	0552C

No commodities are proposed to transfer from Class C (Feed) to Class D (Food)

**PART II****TABLE 9 - EXAMPLES OF REPRESENTATIVE COMMODITIES FOR CLASS B**

(For inclusion in the *Principles and Guidance on the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides to Commodity Groups (CXG 84-2012)*)

**Class B - Primary food commodities of animal origin****Type 6 Mammalian products****Type 7 Avian products****Type 8 Aquatic animal products****Type 9 Amphibians and reptiles****Type 10 Invertebrate animals****Type 10a Miscellaneous primary food commodities of animal origin**

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Group 030 Mammalian muscle</b>	Any commodity from subgroups 030A, 030B, 030C, 030D, 030E, 030F, 030G, 030H	<u>Group of mammalian muscle (MM 0095)</u> : Antelope, muscle; Buffalo, muscle; Camel, muscle; Capybara, muscle; Cattle, muscle; Deer, muscle; Dog, muscle; Donkey, muscle; Elk, muscle; Goat, muscle; Guinea pig, muscle; Hare, muscle; Hinny, muscle; Horse, muscle; Kangaroo, muscle; Mule, muscle; Peccary, collared, muscle; Pig, muscle; Possum, muscle; Rabbit, muscle; Rat, muscle; Reindeer, muscle; Roe, muscle; Sheep, muscle; Wild boar, muscle
<b>Subgroup 030A Bovine muscle</b>	Any commodity in this subgroup	<u>Subgroup of bovine muscle (MM 3700)</u> : Buffalo, muscle; Cattle, muscle
<b>Subgroup 030B Camelid muscle</b>	Any commodity in this subgroup	<u>Subgroup of camelid muscle (MM 3701)</u> : Camel, muscle
<b>Subgroup 030C Caprine muscle</b>	Any commodity in this subgroup	<u>Subgroup of caprine muscle (MM 3702)</u> : Goat, muscle
<b>Subgroup 030D Cervine muscle</b>	Any commodity in this subgroup	<u>Subgroup of cervine muscle (MM 3703)</u> : Antelope, muscle; Deer, muscle; Elk, muscle; Reindeer, muscle; Roe, muscle
<b>Subgroup 030E Equine muscle</b>	Any commodity in this subgroup	<u>Subgroup of equine muscle (MM 3704)</u> : Donkey, muscle; Hinny, muscle; Horse, muscle; Mule, muscle
<b>Subgroup 030F Ovine muscle</b>	Any commodity in this subgroup	<u>Subgroup of ovine muscle (MM 3705)</u> : Sheep, muscle
<b>Subgroup 030G Swine muscle</b>	Any commodity in this subgroup	<u>Subgroup of swine muscle (MM 3706)</u> : Pig, muscle; Wild boar, muscle
<b>Subgroup 030H Various other mammalian muscles</b>	Any commodity in this subgroup	<u>Subgroup of various other mammalian muscles (MM 3707)</u> : Capybara, muscle; Dog, muscle; Guinea pig, muscle; Hare, muscle; Kangaroo, muscle; Peccary, collared, muscle; Possum, muscle; Rabbit, muscle; Rat, muscle
<b>Group 031 Mammalian fats</b>	Any commodity from subgroups 031A, 031B, 031C, 031D, 031E, 031F, 031G, 031H	<u>Group of mammalian products (MF 0100)</u> : Antelope, fat; Buffalo, fat; Camel, fat; Capybara, fat; Cattle, fat; Deer, fat; Dog, fat; Elk, fat; Guinea pig, fat; Goat, fat; Hare, fat; Horse, fat; Kangaroo, fat; Peccary, collared, fat; Pig, fat; Possum, fat; Rabbit, fat; Rat, fat; Reindeer, fat; Roe, fat; Sheep, fat; Wild boar, fat
<b>Subgroup 031A Bovine fat</b>	Any commodity in this subgroup	<u>Subgroup of bovine fat (MF 3700)</u> : Buffalo, fat; Cattle, fat
<b>Subgroup 031B Camelid fat</b>	Any commodity in this subgroup	<u>Subgroup of Camelid fat (MF 3701)</u> : Camel, fat
<b>Subgroup 031C Caprine fat</b>	Any commodity in this subgroup	<u>Subgroup of caprine fat (MF 3702)</u> : Goat, fat
<b>Subgroup 031D Cervine fat</b>	Any commodity in this subgroup	<u>Subgroup of cervine fat (MF 3703)</u> : Antelope, fat; Deer, fat; Elk, fat; Reindeer, fat; Roe, fat
<b>Subgroup 031E Equine fat</b>	Any commodity in this subgroup	<u>Subgroup of equine fat (MF 3704)</u> : Horse, fat

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Subgroup 031F</b> <b>Ovine fat</b>	Any commodity in this subgroup	<u>Subgroup of ovine fat (MF 3705)</u> : Sheep, fat
<b>Subgroup 031G</b> <b>Swine fat</b>	Any commodity in this subgroup	<u>Subgroup of swine fat (MF 3706)</u> : Pig, fat; Wild boar, fat
<b>Subgroup 031H</b> <b>Various other mammalian fats</b>	Any commodity in this subgroup	<u>Subgroup of various other mammalian fat (MF 3707)</u> : Capybara, fat; Dog, fat; Guinea pig, fat; Hare, fat; Kangaroo, fat; Peccary, collared, fat; Possum, fat; Rabbit, fat; Rat, fat
<b>Group 032</b> <b>Edible offal (mammalian)</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Group of Edible offal (mammalian (MO 0105))</u> : Buffalo, edible offal of; Buffalo, kidney; Buffalo, liver; Camel, edible offal of; Camel, kidney; Camel, liver; Cattle, edible offal of; Cattle, kidney; Cattle, liver; Deer, edible offal of; Deer, kidney; Deer, liver; Donkey, edible offal of; Donkey, kidney; Donkey, liver; Goat, edible offal of; Goat, liver; Goat, kidney; Hare, edible offal of; Hare, kidney; Hare, liver; Horse, edible offal of; Horse, kidney; Horse, liver; Kangaroo, edible offal of; Kangaroo, kidney; Kangaroo, liver; Pig, edible offal of; Pig, kidney; Pig, liver; Pig, skin; Possum, edible offal of; Possum, kidney; Possum, liver; Rabbit, edible offal of; Rabbit, kidney; Rabbit, liver; Sheep, edible offal of; Sheep, kidney; Sheep, liver; Wild boar, edible offal of
<b>Subgroup 032A</b> <b>Bovine edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Bovine edible offal (MO 3700)</u> : Buffalo, edible offal of; Buffalo, kidney; Buffalo, liver; Cattle, edible offal of; Cattle, kidney; Cattle, liver
<b>Subgroup 032B</b> <b>Camelid edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Camelid edible offal (MO 3701)</u> : Camel, edible offal of; Camel, kidney; Camel, liver
<b>Subgroup 032C</b> <b>Caprine edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Caprine edible offal (MO 3702)</u> : Goat, edible offal of; Goat, liver; Goat, kidney
<b>Subgroup 032D</b> <b>Cervine edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Cervine edible offal (MO 3703)</u> : Deer, edible offal of; Deer, kidney; Deer, liver
<b>Subgroup 032E</b> <b>Equine edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Equine edible offal (MO 3704)</u> : Donkey, edible offal of; Donkey, kidney; Donkey, liver; Horse, edible offal of; Horse, kidney; Horse, liver
<b>Subgroup 032F</b> <b>Ovine edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Ovine edible offal (MO 3705)</u> : Sheep, edible offal of; Sheep, kidney; Sheep, liver
<b>Subgroup 032G</b> <b>Swine edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Swine edible offal (MO 3706)</u> : Pig, edible offal of; Pig, kidney; Pig, liver; Pig, skin; Wild boar, edible offal of
<b>Subgroup 032H</b> <b>Various other mammalian edible offal</b>	Cattle, kidney; Cattle, liver; Goat, liver; Goat, kidney	<u>Subgroup of Various other mammalian edible offal (MO 3707)</u> : Hare, edible offal of; Hare, kidney; Hare, liver; Kangaroo, edible offal of; Kangaroo, kidney; Kangaroo, liver; Possum, edible offal of; Possum, kidney; Possum, liver; Rabbit, edible offal of; Rabbit, kidney; Rabbit, liver
<b>Group 033</b> <b>Milks</b>	Any commodity from subgroups 033A, 033B, 033C, 033D, 033E, 033F	<u>Group of mammalian products (ML 0106)</u> : Buffalo, milk; Camel, milk; Cattle, milk; Donkey, milk; Elk, milk; Goat, milk; Horse, milk; Reindeer, milk; Sheep, milk
<b>Subgroup 033A</b> <b>Bovine milk</b>	Any commodity in this subgroup	<u>Subgroup of bovine milk (ML 3700)</u> : Buffalo, milk; Cattle, milk
<b>Subgroup 033B</b> <b>Camelid milk</b>	Any commodity in this subgroup	<u>Subgroup of camelid milk (ML 3701)</u> : Camel, milk

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Subgroup 033C</b> <b>Caprine milk</b>	Any commodity in this subgroup	<u>Subgroup of caprine milk (ML 3702)</u> : Goat, milk
<b>Subgroup 033D</b> <b>Cervine milk</b>	Any commodity in this subgroup	<u>Subgroup of cervine milk (ML 3703)</u> : Elk, milk; Reindeer, milk;
<b>Subgroup 033E</b> <b>Equine milk</b>	Any commodity in this subgroup	<u>Subgroup of equine milk (ML 3704)</u> : Donkey, milk; Horse, milk;
<b>Subgroup 033F</b> <b>Ovine milk</b>	Any commodity in this subgroup	<u>Subgroup of ovine milk (ML 3705)</u> : Sheep, milk
<b>Group 036</b> <b>Avian muscle</b>	Any commodity in this group	<u>Group of Avian muscle (PM 0110)</u> : Chicken, muscle; Duck, muscle; Duck, Moscowy, muscle; Emu, muscle; Goose, muscle; Grouse, muscle; Guinea-fowl, muscle; Ostrich, muscle; Partridge, muscle; Peafowl, green, muscle; Pheasant, muscle; Pigeon, muscle; Quail, muscle; Rhea, American, muscle; Swan, mute, muscle; Turkey, muscle
<b>Group 037</b> <b>Avian fats</b>	Any commodity in this group	<u>Group of Avian fats (PF 0111)</u> : Chicken, fat; Duck, fat; Emu, fat; Goose, fat; Ostrich, fat; Turkey, fat
<b>Group 038</b> <b>Avian, edible offal of</b>	Chicken, kidney and chicken, liver	<u>Group of Avian, edible offal of (PO 0111)</u> : Chicken, edible offal of; Duck, edible offal of; Emu, edible offal of; Goose, edible offal of; Goose, liver; Ostrich, edible offal of; Poultry skin; Turkey, edible offal of
<b>Group 039</b> <b>Eggs</b>	Any commodity in this group	<u>Group of eggs (PE 0112)</u> : Chicken, eggs; Duck, eggs; Emu, eggs; Goose, eggs; Guinea-fowl, eggs; Ostrich, eggs; Quail, eggs; Rhea, American, eggs; Turkey, eggs
<b>Group 040</b> <b>Freshwater fish</b>	Any commodity in this group	<u>Group of freshwater fish (WF 0115)</u> : Athi elephant snout fish; Barbs; Black bass; Bluegill sunfish; Bream; Bream, Black; Bream, Wuchang; Bulatmai barbel; Carps; Carp, bighead; Carp, black; Carp, Indian; Cod, Murray; Carp, predatory; Catfishes (freshwater); Catfish, yellow; Catfish, Chinese longsnout; Gobies, freshwater; Dwarf Nile catfish; Eel, Swamp, Asian; Freshwater pipefish; Goby, Marble; Gourami (Asia); Lake Victoria squeaker; Lung fish; Nile perch; Osbeck's grenadier anchovy; Pangasius; Pebby fish of Silversidus; Perch; Perch, Chinese; Perch, climbing; Perch, golden; Pike Perch; Pike; Pirapitinga; Pond loach; Qinbo fish; Roaches; Silver fish; Snakehead, Northern; Snakehead, striped; Salangid; Spinubarbus hollandi; Tilapias
<b>Subgroup 040A</b> <b>Barbs</b>	Barbs	<u>Subgroup of barbs (WF 3710)</u> : Barbs; Bulatmai barbel; Spinubarbus hollandi; Qinbo fish
<b>Subgroup 040B</b> <b>Carps</b>	Carps Bream	<u>Subgroup of carps (WF 3711)</u> : Bream; Bream, Black; Bream, Wuchang; Carps; Carp, bighead; Carp, black; Carp, Indian; Carp, predatory; Gobies, freshwater; Roaches
<b>Subgroup 040C</b> <b>Catfishes</b>	Catfishes (freshwater)	<u>Subgroup of catfishes (WF 3712)</u> : Catfishes (freshwater); Catfish, yellow; Catfish, Chinese longsnout; Lung fish; Pangasius
<b>Subgroup 040D</b> <b>Perches</b>	Perch	<u>Subgroup of perches (WF 3713)</u> : Black bass; Bluegill sunfish; Cod, Murray; Goby, Marble; Gourami (Asia); Nile perch; Perch; Perch, Chinese; Perch, climbing; Perch, golden; Pike perch; Snakehead, Northern; Snakehead, striped
<b>Subgroup 040E</b> <b>Tilapias</b>	Tilapias	<u>Subgroup of tilapias (WF 3714)</u> : Tilapias
<b>Subgroup 040F</b> <b>Various other freshwater fishes</b>	Any commodity in this subgroup	<u>Subgroup of various other freshwater fish (WF 3715)</u> : Athi elephant snout fish; Dwarf Nile catfish; Eel, swamp, Asian; Freshwater pipefish; Lake Victoria squeaker; Osbeck's grenadier anchovy; Pebby fish of Silversidus; Pike; Pirapitinga; Pond loach; Salangid; Silver fish

<b>Codex Group / Subgroup</b>	<b>Examples of Representative Commodities <sup>1)</sup></b>	<b>Extrapolation to the following commodities</b>
<b>Group 041</b> <b>Diadromous fish</b>	Any commodity in this group	<u>Group of Diadromous fish (WD 0120)</u> : Barramundi; Eels; Milk fish; Paddle fish; River lamprey, European; Salmon, Atlantic; Salmon, Pacific; Shad; Smelt; Smelt, Pond; Sturgeon; Trout; Whitefishes
<b>Subgroup 041A</b> <b>Atlantic Salmon</b>	Atlantic Salmon	<u>Subgroup of Atlantic salmon (WD 3720)</u> : Salmon, Atlantic
<b>Subgroup 041B</b> <b>Pacific Salmon</b>	Pacific Salmon	<u>Subgroup of Pacific salmon (WD 3721)</u> : Salmon, Pacific
<b>Subgroup 041C</b> <b>Eels</b>	Eel	<u>Subgroup of eels (WD 3722)</u> : Eels
<b>Subgroup 041D</b> <b>Smelts</b>	Smelt	<u>Subgroup of smelts (WD 3723)</u> : Smelt; Smelt, Pond
<b>Subgroup 041E</b> <b>Trouts</b>	Trout	<u>Subgroup of trouts (WD 3724)</u> : Trout
<b>Subgroup 041F</b> <b>Various other diadromous fishes</b>	Any commodity in this subgroup	<u>Subgroup of Various other diadromous fishes (WD 3725)</u> : Barramundi; Milkfish; Paddle fish; River lamprey, European; Shad; Sturgeon; White fishes
<b>Group 042</b> <b>Marine fish</b>	Any commodity in this group	<u>Group of Marine fish (WF 0125)</u> : Anchovies; Bonito; Cod; Dab or Dab, common; Flounders; Flounder, olive; Haddock; Hakes; Halibut; Herring; Jack mackerel; King mackerel; Mackerel; Menhaden; Pollack; Pollack, Alaska; Plaice; Pompano; Rays; Sardine and Sardine-type fishes; Sharks; Sole; Sole, tongue; Turbot; Tuna; Tuna, bullet; Whiting; Whiting, blue; Yellowfin sole;
<b>Subgroup 042A</b> <b>Cod and Cod-like fishes</b>	Atlantic cod	<u>Subgroup of cod and cod-like fishes (WS 0126)</u> : Cod; Haddock; Hakes; Pollack; Pollack, Alaska; Whiting; Whiting, blue
<b>Subgroup 042B</b> <b>Flat-fishes</b>	Flounder	<u>Subgroup of flat-fishes (WS 0127)</u> : Dab or Dab, common; Flounders; Flounder, olive; Halibut; Plaice; Sole; Sole, tongue; Turbot; Yellowfin sole;
<b>Subgroup 042C</b> <b>Mackerel and Mackerel-like fishes</b>	Mackerel	<u>Subgroup of Mackerel and Mackerel-like fishes (WS 0128)</u> : Jack mackerel; King mackerel; Mackerel; Pompano
<b>Subgroup 042D</b> <b>Tunas and Bonitos</b>	Tuna	<u>Subgroup of Tunas and Bonitos (WS 0132)</u> : Bonito; Tuna; Tuna, bullet
<b>Subgroup 042E</b> <b>Herring like fishes</b>	Sardine or sardine-type fishes	<u>Subgroup of herring-like fishes (WS 0129)</u> : Anchovies; Herring; Menhaden; Sardine and Sardine-type fishes
<b>Subgroup 042F</b> <b>Sharks</b>	Sharks	<u>Subgroup of sharks (WS 3726)</u> : Rays; Sharks
<b>Subgroup 042G</b> <b>Various other marine fishes</b>	2	--
<b>Group 043</b> <b>Fish roe (including milt= soft roe) and edible offal of fish</b>	2	--
<b>Subgroup 043A</b> <b>Fish roe( including milt= soft roe)</b>	Any commodity in this subgroup	<u>Subgroup of Fish roe (including milt= soft roe) (WR 3730)</u> : Bluefish, roe; Cod, roe; Dolphinfish, roe; Flounder, roe; Herring, roe; Mackerel, roe; Mullet, roe; Salmon roe, Atlantic; Salmon roe, Pacific; Shad, roe; Sturgeon, roe
<b>Subgroup 043B</b> <b>Edible offal of fish</b>	2	--
<b>Group 044</b> <b>Marine mammalian products</b>	2	--
<b>Subgroup 044A</b> <b>Marine mammalian muscle</b>	Any commodity in this subgroup	<u>Subgroup of marine mammalian muscle (WM 3740)</u> : Dolphins, muscle; Seals, muscle; Whales, muscle

Codex Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Subgroup 044B</b> <b>Fat of marine mammals, unprocessed</b>	Any commodity in this subgroup	<u>Subgroup of fat of marine mammals, unprocessed (WS 3741)</u> : Dolphins, fat, unprocessed; Seals, fat, unprocessed; Whales, fat, unprocessed
<b>Group 045</b> <b>Crustaceans</b>	Crab or White shrimp	<u>Group of crustaceans (WC 0143)</u> : Barnacles; Crabs; Freshwater crayfishes; Freshwater crustaceans; Freshwater shrimps or prawns; Lobsters; Marine crustaceans; Shrimps or prawns; Shrimp, mantis; Squat lobster
<b>Group 046</b> <b>Amphibians and reptiles</b>	2	--
<b>Subgroup 046A</b> <b>Crocodiles</b>	2	--
<b>Subgroup 046B</b> <b>Frogs</b>	2	--
<b>Subgroup 046C</b> <b>Lizards</b>	2	--
<b>Subgroup 046D</b> <b>Snakes</b>	2	--
<b>Subgroup 046E</b> <b>Turtles</b>	2	--
<b>Group 047</b> <b>Molluscs and various other invertebrate animals</b>	2	--
<b>Subgroup 047A</b> <b>Bivalves</b>	Any commodity in this subgroup	<u>Group of bivalves (IM 0151)</u> : Clams; Clam, razor; Cockles; Geoduck, Pacific; Mussels; Mussels, freshwater; Oysters (including cupped oysters); Scallops
<b>Subgroup 047B</b> <b>Cephalopods</b>	Any commodity in this subgroup	<u>Subgroup of cephalopods, (IV 0152)</u> : Cuttlefishes; Octopuses; Squids; Squid, common
<b>Subgroup 047C</b> <b>Sea and freshwater snails</b>	2	--
<b>Subgroup 047D</b> <b>Snails and slugs</b>	2	--
<b>Subgroup 047E</b> <b>Various other invertebrate animals</b>	2	--
<b>Group 048</b> <b>Insects and spiders</b>	2	--
<b>Subgroup 048A</b> <b>Spiders (Arachnida)</b>	2	--
<b>Subgroup 048B</b> <b>Insects (Insecta)</b>	2	--
<b>Group 049</b> <b>Miscellaneous primary food commodities of animal origin</b>	Honey and honeycomb	<u>Group of Miscellaneous primary food commodities of animal origin</u> : Honey; Honeycomb; Pollen, bee; Propolis; Royal jelly

<sup>1)</sup> Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.

<sup>2)</sup> It is not possible to set a group CXL for this group because of the broad diversity of commodities. For extrapolation of commodities, extrapolation options in the OECD guideline can also be considered.



**PART II****TABLE 10 - EXAMPLES OF REPRESENTATIVE COMMODITIES FOR CLASS E**

(For inclusion in the *Principles and Guidance on the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides to Commodity Groups (CXG 84-2012)*)

**Class E - Processed foods of animal origin**

**Type 16**    Secondary food commodities of animal origin

**Type 17**    Derived edible products of animal origin

**Type 18**    Manufactured Food (single ingredient) of animal origin

**Type 19**    Manufactured food (multi-ingredient of animal origin)

Codex Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Group 080</b> Dried muscle and dried fish products and dried echinoderms	2)	--
<b>Subgroup 080A</b> Dried muscle (from mammals other than marine mammals)	Any commodity in this subgroup	<u>Subgroup of dried muscle (from mammals other than marine mammals (MD 0095):</u> (including dried and smoked): Bovine muscle, dried; Camelid muscle, dried; Caprine muscle, dried; Cattle muscle, dried; Cervine muscle, dried; Equine muscle, dried; Goat muscle, dried; Horse muscle, dried; Ovine muscle, dried; Pig muscle, dried; Swine muscle, dried; Various other Mammalian muscle, dried
<b>Subgroup 080B</b> Dried Fish	Any commodity in this subgroup	<u>Subgroup of dried fish (MD 3742):</u> Cod, dried; Dab or common dab, dried; Diadromous fish, dried; Flat-fishes, dried; Freshwater fish, dried; Hakes, dried; Halibut, dried; Ling, dried; Other Marine fish, dried; Stockfish (dried cod and cod-like fish), dried
<b>Subgroup 080C</b> Dried Echinoderms	Sea cucumber	<u>Subgroup of dried echinoderms (MD 3743):</u> Sea cucumber, dried
<b>Group 081</b> Dried muscle and other avian products	2)	--
<b>Group 082</b> Secondary food commodities of animal origin	2)	--
<b>Group 083</b> Secondary invertebrate food commodities of animal origin	2)	--
<b>Subgroup 083A</b> Bivalves, dried	Any commodity in this subgroup	<u>Subgroup of bivalves, dried (IV 0151):</u> Clams, dried; Cockles, dried; Geoduck, Pacific, dried; Mussels, dried; Mussels, freshwater, dried; Oysters (including cupped oysters), dried; Scallops, dried
<b>Subgroup 083B</b> Cephalopods, dried	Any commodity in this subgroup	<u>Subgroup of cephalopods, dried (IV 0152):</u> Cuttlefishes, dried; Octopuses, dried; Squids, dried; Squid, common, dried

Codex Group / Subgroup	Examples of Representative Commodities <sup>1)</sup>	Extrapolation to the following commodities
<b>Subgroup 083C</b> Insects, dried	2)	--
<b>Subgroup 083D</b> Crustaceans, dried	2)	--
<b>Subgroup 083E</b> Sea and freshwater snails, dried	2)	--
<b>Subgroup 083F</b> Amphibians and reptiles, dried	2)	--
<b>Group 084</b> Crustaceans, processed	Any commodity in this group	<u>Group of crustaceans, processed (SC 0143)</u> : Freshwater crustaceans, cooked; Marine crustaceans, cooked; Crabmeat, cooked; Freshwater crayfishes, cooked; Freshwater shrimps or prawns, cooked; Lobsters (including lobster muscle), cooked; Shrimps or Prawns, cooked; Shrimps or Prawns, parboiled
<b>Group 085</b> Animal fats, processed	2)	--
<b>Subgroup 085A</b> Processed fats from mammals (other than marine mammals)	Any commodity in this subgroup	<u>Subgroup of Fats from mammals other than marine mammals (FA 0100)</u> : Bovine tallow; Buffalo tallow; Camel tallow; Camelid tallow; Caprine tallow; Cattle tallow (including processed suet); Cervine tallow; Equine tallow; Goat tallow; Horse tallow; Lard (of pigs); Ovine tallow; Sheep tallow; Swine tallow; Various other mammalian muscle tallow
<b>Subgroup 085B</b> Processed fats from marine mammals	Any commodity in this subgroup	<u>Subgroup of fats from marine mammals (FA 3741)</u> : Whales, blubber of, processed; Processed fat (blubber), of whales, dolphins, and sales
<b>Subgroup 085C</b> Processed fats from avian species	Any commodity in this subgroup	<u>Subgroup of fats from avian species (FA 0111)</u> : Poultry fats, processed; Chicken fat, processed; Duck fat, processed; Goose fat, processed; Turkey fat, processed
<b>Subgroup 085D</b> Processed fats from fish species	Fish oil	<u>Subgroup of fats from fish species (FA 3744)</u> : Fish oil
<b>Group 086</b> Milk fats	Any commodity in this group	<u>Group of milk fats (FM 0106)</u> : Bovine milk fat; Buffalo milk fat; Camel milk fat; Camelid milk fat; Caprine milk fat; Cattle milk fat; Cervine milk fat; Equine milk fat; Goat milk fat; Milk fats; Ovine milk fat; Sheep milk fat
<b>Group 087</b> Derived edible products of animal origin	2)	--
<b>Group 090</b> Manufactured Food (single ingredient) of animal origin	2)	--
<b>Group 092</b> Manufactured food (multi-ingredient) of animal origin	2)	--

- 1) Alternative representative commodities may be selected based on documented regional/country differences in dietary consumption and/or areas of production.
- 2) It is not possible to set a group CXL for this group because of the broad diversity of commodities.

However, when a group contains a number of processed commodities originating from raw commodities from one subgroup in Class B (primary food commodities of animal origin), the representative commodity from that subgroup in Class B can be used as a representative crop for the corresponding commodities in processed form.

For extrapolation of commodities, extrapolation options in the OECD guideline can also be considered.