

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
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Agenda Item 7(b)

CX/PR 12/44/9

February 2012

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

44th Session

Shanghai, P.R. China, 23 - 28 April 2012

DRAFT REVISION OF THE CODEX CLASSIFICATION OF FOODS AND ANIMAL FEEDS AT STEP 7: *FRUIT COMMODITY GROUPS: EDIBLE FLOWERS AND TROPICAL AND SUB-TROPICAL FRUITS EDIBLE AND INEDIBLE PEEL*

(Prepared by the Electronic Working Group led by the Netherlands and the United States of America)

Governments and interested international organizations wishing to submit comments on the above (see Appendices I to IV) are invited to do so in writing to: Ms. Duang Lifang, Institute for the Control of Agrochemicals, Ministry of Agriculture (ICAMA), P.R. China, Fax: +86-10-59194252, Email: ccpr@agri.gov.cn (*preferred*) with a copy to: Secretariat, Codex Alimentarius Commission, Joint WHO/FAO Food Standards Programme, FAO, Viale delle Terme di Caracalla, 00153 Rome, Italy, by Email codex@fao.org (*preferred*) or Fax: +39-06-5705-4593 by 23 March 2012.

Codex Secretariat Note: This paper should be read in conjunction with working document CX/PR 12/44/8 related to the revision of the Codex Classification of Foods and Feeds for the fruit commodity groups.

Revision of the Codex Classification of Foods and Animal Feeds – Commodity groups at Step 7

Proposals for two Commodity groups: Assorted Tropical and Sub-tropical Fruits – Edible Peel and Assorted Tropical and Sub-Tropical Fruits – Inedible Peel and the entry of Edible flowers in the group of Herbs.

BACKGROUND

1. The background on the discussion of the revision of the Codex Classification of Foods and Animal Feeds can be found in the reports of the 36th – 43rd sessions of the Committee on Pesticide Residues including relevant Sessions of the Commission held between 2004 – 2011.¹
2. The 43rd Session of the Committee (April 2011) agreed to forward the proposed draft revision of the Codex Classification of Foods and Animal Feeds for two commodity groups, i.e. Assorted Tropical and Sub-tropical Fruits – Edible Peel and Assorted Tropical and Sub-Tropical Fruits – Inedible Peel at Step 5.² When considering the revision of the Classification for the commodity group Tree nuts, Herbs and Spices, the 43rd Session of the Codex Committee on Pesticide Residues (April 2011) agreed to return the new entry for Edible Flowers to Step 6 for comments and consideration at the next session³.
3. The 34th Session of the Commission (July 2011) adopted the proposed draft revision at Step 5 and advanced it to Step 6 for comments by Codex members and interested international organizations.⁴ In this regard, a circular letter CL 2011/19-PR was sent out through the Codex Secretariat.

PROPOSALS AT STEP 7

4. In September 2011 a Circular Letter (CL 2011/19-PR) was sent out with the request to submit comments on the two commodity groups Assorted Tropical and Sub-tropical Fruits – Edible Peel and Assorted Tropical and Sub-Tropical Fruits – Inedible Peel at Step 5. and the entry for Edible flowers in the group of Herbs at Step 5. Comments were received from Brazil, Costa Rica, European Union, Japan and the European Herbal Infusions Association and Foodrink Europe. Comments of Japan were related to the commodities Kumquats and Persimmon. Brazil supports the work on the revision of the Classification and has no detailed comments. Costa Rica supports the revision of these commodity groups but has no specific comments. The European Union submitted comments on the sections in square brackets. The Comments of the European Herbal Infusions Association and Foodrink Europe were related to the proposal for Edible flowers.

¹ Reports of Codex Committees' meetings are available for downloading at: <http://www.codexalimentarius.org/>

² REP11/PR paras. 93-100 & App. VIII.

³ REP11/PR paras. 87-92 & App. VII.

⁴ REP11/CAC, App. IV.

ASSORTED TROPICAL AND SUB-TROPICAL FRUITS – EDIBLE PEEL

5. In the commodity group Assorted Tropical and Sub-tropical Fruits – Edible Peel the commodities Jujube, Kumquats and Limequats, Persimmon and Tamarind were placed in square brackets.

Jujube

6. For Jujube there was a proposal to transfer this commodity to the Stone fruits group. The following comments were received from the European Union. "The EU is not in favour to transfer Jujube, Chinese to the group of Stone Fruits. In the Codex Classification the description of stone fruits says: "*Stone fruits are produced on trees belonging to the genus Prunus of the rose family (Rosaceae).*" Chinese Jujube belongs to the Genus *Ziziphus* of the family *Rhamnaceae* and does not belong to the genus *Prunus*. Jujube is in a different plant family (*Rhamnaceae* instead of *Rosaceae*) than all the other Stone fruits".

The proposal is to keep Jujube in the Assorted tropical and sub-tropical fruits – edible peel and delete the square brackets.

Kumquats and Limequats

7. For Kumquats and Limequats there was a proposal to transfer these commodities to the Citrus fruit group. Some delegations proposed to transfer Kumquats and Limequats to the Citrus Fruits group as they are classified as Citrus taxonomically and they are traded as such in Asia. Other delegations did not support this amendment as this would result in many MRLs for citrus becoming applicable to kumquat although it has an edible peel, which is not the case of other citrus species.

8. The government of Japan supported this proposal in their comments. The European Union does not support the transfer of Kumquats and Limequats to the Citrus fruit group, because of the different use (consumed with peel) and the small size of the fruits.

9. It should be noted that Kumquats and Limequats are eaten with peel compared to the other Citrus fruits, which are usually eaten without peel. Risk assessment for the consumer for Citrus fruits is in most cases performed using processing factors for peeling. If the Classification is amended according to the proposal to include Kumquats and Limequats in the group of Citrus fruits it could not automatically be excluded that the current CXLs for Citrus Fruits and Lemons and Limes are safe for consumers if they apply for Kumquats and Limequats. When Kumquats and Limequats are included in the Citrus fruit group it is proposed to make an amendment in the data base to place the footnote "except Kumquats and Limequats" at the existing CXLs for the Citrus Fruit and Lemons and limes. Furthermore it could be considered to request the JMPR to perform an evaluation and a risk assessment of current Citrus fruit CXLs for Kumquats and Limequats.

The proposal is to transfer Kumquats and Limequats to the Citrus fruit group in the subgroup of Lemons and Limes.

Persimmon

10. For Persimmon, Japanese there was a proposal to transfer this commodity to the Pome fruit group. Japan supported this proposal. The reason for this proposal is that current CXLs for Pome fruits should also be applicable to Persimmon, Japanese. Persimmon, Japanese has compared to apple the same shape, size and surface and therefore suggested to have the same residue levels. The European Union is not in favour to transfer Persimmon (Chinese and Japanese) to the Pome Fruit group. All the commodities of the Pome Fruit group are members of the *Rosaceae* family. Persimmons are members of the *Ebenaceae* family or *Ivory* family and are not related to the *Rosaceae* family. Persimmon fruits are considered botanically to be a type of globular berry and not a pome fruit.

11. It should be noted that in the current Classification the grouping of the commodity groups in the Fruit type are mainly based on taxonomical characteristics. For instance Citrus fruits group contains commodities of crops of the *Rutaceae* family, Stone fruits of the genus *Prunus* and Pome fruits commodities are members of the *Rosaceae* family. Persimmons are members of the *Ebenaceae* family or *Ivory* family and are not related to the *Rosaceae* family. Persimmon fruits are considered botanically to be a type of globular berry and not a pome fruit. The Committee should consider the consequences leaving the concept of classifying the fruit commodities on the bases of taxonomy, e.g that all round fruits resembling an apple should be included in the Pome fruit group.

The proposal is to keep the Persimmon, Japanese in the group of Assorted Tropical and Sub-Tropical Fruits - edible peel - medium to large.

12. If the intention is of classifying similar products in groups where the commodity on taxonomical reasons not belongs in order to make use of residue trials for setting CXLs, then this should be better dealt with in the exercise of the selection of representative crops.

Tamarind

13. For Tamarind it was proposed to transfer this commodity to the Assorted Tropical and Sub-tropical Fruits – Inedible Peel group. The European Union agrees with the move to the group of Assorted Tropical and Sub-tropical Fruits – Inedible peel- small.

14. Sweet tamarinds are ripened pods, where only the pulp is eaten.

The proposal is to transfer Tamarind to the subgroup Assorted Tropical and Sub-tropical Fruits – Inedible peel- small (the surface area: mass index = 10.2 and > 1.5).

ASSORTED TROPICAL AND SUB-TROPICAL FRUITS – EDIBLE PEEL

15. The following species was placed in square brackets for further consideration: Madras thorn, which has a pod similar to Tamarind; two additional synonyms for the scientific name of Langsat; and Sapodilla. The European Union agrees to keep Madras thorn in its current position and agrees with the addition of scientific names to Langsat and Sapodilla.

The proposal is to keep Madras thorn in its current position as Tamarind is proposed to include in the same subgroup as Madras thorn.

16. Also the two additional synonyms for the scientific name of Langsat and Sapodilla are kept.

EDIBLE FLOWERS

17. In the last CCPR it was agreed to place the entry "Edible flowers" in square brackets and in a separate subgroup of Edible flowers for further consideration in its next Session. In relation to the commodities Calendula leaves [and flowers] and Geranium (lemon, rose) in the group Herbs were also placed in square brackets.

18. The European Union commented that they would like to reiterate its previous comments to make a separate subgroup of "Edible flowers" within the group of Herbs. The "Edible flowers" should be kept as a commodity within the subgroup of Herbs (herbaceous plants).

19. The European Herbal Infusions Association (EHIA) commented on the Edible flowers used as herbal infusions. Fooddrink Europe indicated an overlap between "Edible flowers" and "Herbal infusions" and proposed to have an entry of Herbal infusions in the Classification.

20. In this proposal "Edible flowers" are used and traded mainly as fresh commodities. Herbal infusions consists of dried parts of plants. The classification of dried herbs used as herbal teas should be dealt with when the groups 057 Dried herbs and 066 Teas will be revised. In group 066 Teas also herbal teas such as Mate and Camomile are listed.

The proposal is to keep the entry Edible flowers as a commodity in the group Herbs in the subgroup 027A Herbs (herbaceous plants) and to delete the square brackets of Calendula leaves [and flowers] and Geranium (lemon, rose).

RECOMMENDATION

21. The Chair of the EWG proposes the Committee to discuss the proposals in Appendices I and II for the two commodity groups Assorted Tropical and Sub-tropical Fruits – Edible Peel and Assorted Tropical and Sub-tropical Fruits – Inedible Peel at Step 7 and to advance these proposals to Step 8 in relation to the other fruit commodity groups, when those groups are advanced to Step 8.

22. The Chair of the EWG proposes the Committee to discuss the proposals in Appendix IV for "Edible flowers" at Step 7 and keep this proposal in Step 7 awaiting the finalizing of related commodity groups (e.g. Dried Herbs and Teas) of the Classification.

REQUEST FOR COMMENTS

23. Codex Members and Observers wishing to submit comments on the commodity groups as presented in Appendices I to IV are kindly invited to do so as indicated on the cover page.

24. It is noted that the 43rd Session of the CCPR agreed to hold the draft Principles and Guidance for the Selection of Representative Commodities for the Extrapolation of Maximum Residue Limits for Pesticides for Commodity Groups (including Table 1 on fruit commodities) at Step 7 pending the finalization of the revision of the Classification of Food and Feeds as per the fruit commodity groups.⁵ Therefore, the impact of the comments on the fruit commodity groups presented in this paper with regard to the fruit commodity groups listed in Table 1 of the draft Principles and Guidance should also be considered in order to amend Table 1 if necessary.

⁵ REP11/PR, paras. 102-111 & App. IX.

Appendix I**Assorted tropical and sub-tropical fruits - edible peel****Class A****Type 1 Fruits Group 005 Group Letter Code FT**

The Assorted tropical and sub-tropical fruits - edible peel are derived from the immature or mature fruits of a large variety of perennial plants, usually shrubs or trees. The fruits are fully exposed to pesticides during the growing season (period of fruit development).

The whole fruit may be consumed in a succulent or processed form.

The group 005 Miscellaneous fruits – edible peel is divided in 3 subgroups:

005 A Assorted tropical and sub-tropical fruits - edible peel – small

005 B Assorted tropical and sub-tropical fruits - edible peel – medium to large

005 C Assorted tropical and sub-tropical fruits - edible peel – palms

Portion of the commodity to which the MRL applies (and which is analysed): Whole commodity. Dates and Olives: Whole commodity after removal of stems and stones but residue calculated and expressed on the whole fruit.

Group 005 Assorted tropical and sub-tropical fruits - edible peel**Code No.****Commodity**

FT 0026

Assorted tropical and sub-tropical fruits - edible peel

Group 005A Assorted tropical and sub-tropical fruits - edible peel – small**Code No.****Commodity**

FT 2011

Assorted tropical and sub-tropical fruits - edible peel – small

(includes all commodities in this subgroup)

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Acerola, see Barbados cherry, FT 0287

FT 2300

African plum

Vitex doniana Sweet

FT 2301

Almondette

Buchanania lanzan Spreng.

FT 2302

Apple berry

Billardiera scandens Sm.

FT 0286

Arbutus berry

Arbutus unedo L.

FT 0287

Barbados cherry

Malpighia emarginata DC.; syn: *M. glabra* L.

FT 2303

Bayberry, Red

Morella rubra Lour

FT 2304

Bignay

Antidesma bunius (L.) Spreng.

FT 2305

Breadnut

Bosimum alicastrum Sw.

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Brazilian cherry, see Grumichana, FT 0298

FT 2306

Cabeluda

Plinia glomerata (O. Berg) Amshoff

-

Camu-camu, see Rumbery, FT 2328

-

Caranda, see Karanda FT 0290

FT 2307	Carandas plum <i>Carissa edulis</i> Vahl.
FT 2308	Ceylon iron wood <i>Manilkara hexandra</i> (Roxb.) Dubard
FT 2309	Ceylon olive <i>Elaeocarpus serratus</i> L.
FT 2310	Cherry-of-the-Rio-Grande <i>Eugenia aggregate</i> (Vell.) Kiaersk.
FT 0293	Chinese olive, Black, White <i>Canarium tramdenum</i> C.D.Dai&Yakovlev; Syn: <i>C pimela</i> Koenig <i>Canarium album</i> (Lour.) Raeusch.
FT 2311	Chiraulinut <i>Buchanania latifolia</i> Roxb.
FT 0294	Coco plum <i>Chrysobalanus icaco</i> L.
FT 0296	Desert date <i>Balanites aegyptiacus</i> (L.) Delile
FT 2312	False sandalwood <i>Ximenia americana</i> L.
FT 2313	Fragrant manjack <i>Cordia dichotoma</i> G. Forst.
FT 2314	Gooseberry, Abyssinian <i>Dovyalis abyssinica</i> (A. Rich.) Warb.
FT 2315	Gooseberry, Ceylon <i>Dovyalis hebecarpa</i> (Gardner) Warb.
FT 2316	Governor's plum <i>Flacourtia indica</i> (Burm.f) Merr.; <i>Flacourtia inermis</i> Roxb.; <i>Flacourtia rukam</i> Zoll.&Moritzi; <i>Flacourtia jangomas</i> (Lour.)Raeusch.
FT 0298	Grumichama <i>Eugenia brasiliensis</i> Lam. Syn: <i>Eugenia dombeyi</i> (Spreng.) Skeels
FT 2317	Guabiroba <i>Campomanesia xanthocarpa</i> O. Berg
FT 2318	Guava berry <i>Myrciaria floribunda</i> (H. West ex Willd.) O. Berg
-	Icaco plum , See Coco plum, FT 0294
FT 2319	Illawara plum <i>Podocarpus elatus</i> R. Br. Ex Endl.
-	Herbert river cherry , See Bignay, FT 2304

- FT 0299 **Hog plum (= Mombin, yellow)**
Spondias mombin L.;
 syn: *S. lutea* L.
- **Indian plum**, See Governor's plum, FT 2316
- FT 2320 **Jamaica cherry**
Muntingia calabura L.
- FT 0339 **Jambolan**
Zyzigium cumini (L.) Skeels;
 syn: *Eugenia cuminii* (L.) Druce;
- FT 0340 **Java apple (=Wax jambu)**
Syzygium samarangense (Bl.) Merr. & Perry;
 Syn: *Eugenia javanica* Lam
- FT 0302 **Jujube, Chinese**
Ziziphus jujuba Mill.
- FT 2321 **Kaffir plum**
Harpephyllum caffrum Bernh. Ex C. Krauss
- FT 2322 **Kakadu plum**
Terminalia latipes Benth. Subsp. *psillicarpa* Pedley
- FT 2323 **Kapundung**
Baccaurea racemosa (Reinw.) Müll. Arg.
- FT 0290 **Karanda**
Carissa carandas L.
- FT 2324 **Lemon aspen**
Acronychia acidula F. Muell.
- **Maya breadfruit**, See Breadnut
- FT 2326 **Monos plum**
Pseudanmomis umbellulifera (Kunth) Kausel
- FT 2327 **Mountain cherry**
Bunchosia cornifolia Kunth
- FT 0306 **Otaheite gooseberry**
Phyllanthus acidus (L.) Skeels
 syn: *Ph. distichus* (L.) Muell.-Arg.
- **Olives for oil production**, see Group 023 Oilseed
- FT 2328 **Persimmon, Black**
Diospyros texana Scheele
- FT 2329 **Pitomba**
Eugenia luschnathiana Klotzsch ex O. Berg
- **Plum-of-Martinique**, See Governor's plum, FT 2316
- **Rukam**, See Governor's plum, FT 2316
- FT 2330 **Rumberry**
Myrciaria dubia (Kunth) Mc Vaugh

FT 0310	Sea grape <i>Coccoloba uvifera</i> Jacq.
FT 2331	Sete-capotes <i>Campomanesia guazimifolia</i> (Cambess.) O. Berg
FT 2332	Silver aspen <i>Acronychia wilcoxiana</i> (F. Muell.) T.G. Hartley
FT 0305	Table Olives <i>Olea europaea</i> L., var. <i>europaea</i>
-	Tree strawberry , see Arbutus berry, FT 0286
FT 2333	Water apple <i>Syzygium aqueum</i> (Burm. F.) Alston
FT 2334	Water berry <i>Syzygium cordatum</i> Hochst. Ex C. Krauss
FT 2335	Water pear <i>Syzygium guineense</i> (Willd.) DC
-	Yumberry , See Bayberry, Red, FT 2303
Group 005B Assorted tropical and sub-tropical fruits - edible peel – medium to large	
<u>Code No.</u>	<u>Commodity</u>
FT 2012	Assorted tropical and sub-tropical fruits - edible peel – large (includes all commodities in this subgroup)
FT 0285	Ambarella <i>Spondias dulcis</i> Sol. Ex Parkinson; syn: <i>S. cytherea</i> Sonn.
-	Aonla , See Gooseberry, Indian, FT 2356
FT 2350	Arazá <i>Eugenia stipitata</i> Mac Vaugh
FT 2351	Babaco <i>Vasconcella x heilbornii</i> (V.M. Badillo) V.M. Badillo
FT 0288	Bilimbi <i>Averrhoa bilimbi</i> L.
FT 2352	Cajou (pseudofruit) <i>Anacardium giganteum</i> Hance ex Engl.
FT 2353	Cambucá <i>Marlierea edulis</i> Nied.
FT 0289	Carambola <i>Averrhoa carambola</i> L.
FT 0291	Carob <i>Ceratonia siliqua</i> L.
FT 0292	Cashew apple <i>Anacardium occidentale</i> L.
FT 2354	Ciruela verde <i>Bunchosia armeniaca</i> (Cav.) DC.

FT 2355	Davidson plum <i>Davidsonia pruriens</i> F. Muell
FT 0297	Fig <i>Ficus carica</i> L.
FT 2356	Gooseberry, Indian <i>Phyllanthus emblica</i> L.
FT 0336	Guava <i>Psidium guajava</i> L.
FT 2357	Guava, Brazilian <i>Psidium guineense</i> Sw.
FT 2358	Guava, Cattley <i>Psidium cattleianum</i> Sabine
FT 2359	Guava, Costa Rican <i>Psidium friedrichsthalianum</i> (O. Berg) Nied.
FT 2360	Guava, Para <i>Psidium acutangulum</i> DC.
FT 2361	Guayabillo <i>Psidium sartorianum</i> (O. Berg) Nied.
FT 2362	Imbé <i>Garcinia livingstonei</i> T. Anderson
FT 2363	Imbu <i>Spondias tuberosa</i> Arruda ex Kost.
-	Indian mulberry , See Noni, FT 2371
FT 0300	Jaboticaba <i>Myrciaria cauliflora</i> O. Berg.; syn: <i>Eugenia cauliflora</i> DC.
FT 0301	Jujube, Indian <i>Ziziphus mauritania</i> Lam.; syn: <i>Z. jujuba</i> (L.) Lam. Gaertn.
-	Kaki or Kaki fruit , See Persimmon, Japanese, FT 0307
FT 2364	Kwai muk <i>Artocarpus hypargyreus</i> Hance ex Benth.
-	Locust tree , See carob, FT 0291
FT 2365	Mangaba <i>Hancornia speciosa</i> Gomes
FT 2366	Marian plum <i>Bouea macrophylla</i> Griff
FT 2367	Mombin, Malayan <i>Spondias pinnata</i> (J. Koenig. ex L. f.) Kurz
FT 2368	Mombin, Purple <i>Spondias purpurea</i> L.

FT 2369	Monkey fruit <i>Autocarpus lacucha</i> Buch.-Ham.
-	Muriti , See Nance, FT 2370
FT 2370	Nance <i>Byrsonima crassifolia</i> (L.) Kunth
FT 0304	Natal plum <i>Carissa macrocarpa</i> (Eckl.) A.DC. Syn: <i>C. grandiflora</i> (E, Mey) A.DC.
FT 2371	Noni <i>Morinda citrifolia</i> L.
FT 2372	Papaya, Mountain <i>Vasconcellea pubescens</i> A. DC.
-	Persimmon Chinese , see Persimmon, Japanese, FT 0307
FT 0307	Persimmon, Japanese <i>Diospyros Kaki</i> Thunb.; syn: <i>D. chinensis</i> Blume
-	Pitanga , see Surinam Cherry, FT 0311
FT 0308	Pomerac <i>Syzygium Malaccense</i> (L.) Merr. et Perry; syn: <i>Eugenia malaccensis</i> L.
-	Pomarroza , see Rose apple, FT 0309
-	Pomarroza, Malay , see Pomerac, FT 0308
-	Purple strawberry guava , See Guava, Cattley, FT 2357
FT 2373	Rambai <i>Baccaurea motleyana</i> (Müll. Arg.) Müll. Arg
FT 0309	Rose apple <i>Syzygium jambos</i> (L.) Alston; syn: <i>Eugenia jambos</i> L.
FT 0364	Sentul <i>Sandoricum koetjape</i> (Burm.F) Merr.
-	Strawberry guava , See Gauva, Cattley, FT 2357
-	St. John's bread , see Carob, FT 0291
FT 0311	Surinam cherry <i>Eugenia uniflora</i> L.
-	Umbu , See Imbu FT 2362
FT 2374	Uvalha <i>Eugenia pyriformis</i> Cambess
-	Yellow strawberry guava , See Guava, Cattley, FT 2357
Group 005C	Assorted tropical and sub-tropical fruits - edible peel – palms
<u>Code No.</u>	<u>Commodity</u>
FT 2013	Assorted tropical and sub-tropical fruits - edible peel - palms (includes all commodities in this subgroup)

FT 2400	Açaí <i>Euterpe oleracea</i> Mart.
FT 2401	Apak palm <i>Brahea dulcis</i> (Kunth) Mart.
-	Assai palm , see Açaí, FT 2400
FT 2402	Bacaba palm <i>Oenocarpus bacaba</i> Mart.
FT 2403	Babaca-de-leque <i>Oenocarpus distichus</i>
FT 0295	Date <i>Phoenix dactylifera</i> L.
FI 0333	Doum or Dum palm <i>Hyphaene thebaica</i> (L.) Mart.
FT 2404	Jelly palm <i>Butia capitata</i> (Mart.) Becc.
FT 2405	Patauá <i>Oenocarpus bataua</i> Mart.
FT 2406	Peach palm <i>Bactris gasipaes</i> Kunth var. <i>gasipaes</i>

Appendix II**Assorted tropical and sub-tropical fruits - inedible peel****Class A****Type 1 Fruits Group 006 Group Letter Code FI**

The Assorted tropical and sub-tropical fruits - inedible peel are derived from the immature or mature fruits of a large variety of perennial plants, usually shrubs or trees. Fruits are fully exposed to pesticides applied during the growing season (period of fruit development) but the edible portion is protected by skin, peel or husk. The edible part of the fruits may be consumed in a fresh or processed form.

The group Miscellaneous fruits – inedible peel is divided in 5-6 subgroups:

006A Assorted tropical and sub-tropical fruits - inedible peel – small

006B Assorted tropical and sub-tropical fruits - inedible smooth peel - large

006C Assorted tropical and sub-tropical fruits - inedible rough or hairy peel - large

006D Assorted tropical and sub-tropical fruits - inedible peel - cactus

006E Assorted tropical and sub-tropical fruits - inedible peel - vines

006F Assorted tropical and sub-tropical fruits - inedible peel - palms

Portion of the commodity to which the MRL applies (and which is analysed): **Whole fruit unless qualified: e.g., banana pulp. Pineapple after removal of crown. Avocado, mangos and similar fruit with hard seeds: Whole commodity after removal of stone but calculated on whole fruit.**

Group 006 Assorted tropical and sub-tropical fruits - inedible peel

Code No. Commodity

FI 0030 Assorted tropical and sub-tropical fruits - inedible peel

006A Assorted tropical and sub-tropical fruits - inedible peel – small

Code No. Commodity

FI 2021 Assorted tropical and sub-tropical fruits - inedible peel – small
(includes all commodities in this subgroup)

FI 2450 **Aisen**
Boscia senegalensis (Pers.) Lam

FI 2451 **Bael fruit**
Aegle marmelos (L.) Corrêa

FI 2452 **Burmese grape**
Baccaurea ramiflora Lour.

- **Cat's eyes**
Dimocarpus Longan Lour. subsp. *malesianus* Leenh., see Longan FI 0342

FI 2453 **Ingá**
Inga vera Willd. subsp. *affinis* (DC.) T.D. Penn.

FI 0343 **Litchi**
Litchi chinensis Sonn.;
syn: *Nephelium litchi* Camb.

FI 0342 **Longan**, see Codex stan. 220-1999
Dimocarpus longan Lour.
syn: *Nephelium longana* (Lam.) Camb.; *Euphoria longana* Lam.

FI 2454 **Madras-thorn**
Pithecellobium dulce (Roxb.) benth

FI 2455	Manduro <i>Balanites maughamii</i> Sprague
FI 2456	Matisia <i>Matisia cordata</i> Humb. & Bonpl.
FI 2457	Mesquite <i>Prosopis juliflora</i> (Sw.) DC.
FI 2458	Mongongo <i>Schinziophyton rautanenii</i> (Schinz) Radcl.-Sm
FI 2459	Pawpaw, Small-flower <i>Asimina parviflora</i> (Michx.) Dunal
FI 2460	Satinleaf <i>Chrysophyllum oliviforme</i> L.
FI 2461	Sierra Leone-tamarind <i>Dallium guineense</i> Willd.
FI 0366	Spanish lime <i>Melicoccus bijugatus</i> Jacq.; syn: <i>Melicocca bijuga</i> L.
FI 0369	Tamarind , see also Subgroup 28B Spices: Fruit or berry <i>Tamarindus indica</i> L., sweet varieties
FI 2462	Velvet tamarind <i>Dallium indicum</i> L.
FI 2463	Wampi <i>Clausena lansium</i> (Lour.) Skeels
FI 2464	White star apple <i>Chrysophyllum albidum</i> G. Don

006B Assorted tropical and sub-tropical fruits - inedible smooth peel - large

<u>Code No.</u>	<u>Commodity</u>
FI 2022	Assorted tropical and sub-tropical fruits - inedible smooth peel – large (includes all commodities in this subgroup)
FI 2480	Abiu <i>Pouteria caimito</i> (Ruiz & Pav.) Radlk.
FI 0325	Akee apple <i>Blighia sapida</i> K.D. Koenig
FI 0326	Avocado <i>Persea americana</i> Mill.
FI 2481	Bacuri <i>Platonia insignis</i> Mart.
FI 0327	Banana Subsp. and cultivars of <i>Musa</i> ssp. and hybrids
-	Banana, Dwarf , See Banana, FI 0327 <i>Musa</i> hybrids, AAA group; syn: <i>M. cavendishii</i> Lambert; <i>M. nana</i> Lour.

- FI 2482 **Binjai**
 Mangifera caesia Jack
- FI 0330 **Canistel**
 Pouteria campechiana (Kunth.) Baenhi; this species includes former *Lacuma nervosa* A.DC. and *L. salicifolia* Kunth.
- FI 2483 **Cupuaçu**
 Theobroma grandiflorum (Willd. ex Spreng.) K. Schum.
- **Egg fruit**, see Canistel, FI 0330
- FI 2484 **Etambe**
 Mangifera zeylanica (Blume) Hook. F.
- FI 0335 **Feijoa**
 Acca sellowiana (O. Berg) Burret
 syn: *Feijoa sellowiana* (O. Berg) O. berg
- FI 2485 **Jatobá**
 Hymenaea courbaril L.
- FI 2486 **Kei apple**
 Dovyalis caffra (Hook. F. & Harv.) Warb.
- FI 2487 **Kokam**
 Garcinia indica (Thouars) Choisy
- FI 2488 **Langsat**
 Lansium domesticum Corrèa
 Syn: *Aglaia domestica*; *A. dookoo*
- FI 2489 **Lanjut**
 Mangifera legenifera Griff.
- FI 2490 **Lucuma**
 Pouteria lucuma (Ruiz & Pav.) Kuntze
- **Lulo**, see Naranjilla, FI 0349
- FI 2491 **Mabolo**
 Diospyros blancoi A. DC.
- FI 0345 **Mango**
 Mangifera indica L.
- FI 2492 **Mango, Horse**
 Mangifera foetida Lour.
- FI 2493 **Mango, Saipan**
 Mangifera odorata Griff.
- FI 0346 **Mangostan**
 Garcinia mangostana L.
- **Mangosteen**, see Mangostan, FI 0346
- FI 0349 **Naranjilla**
 Solanum quitoense Lam.
- FI 2494 **Paho**
 Mangifera altissima Blanco

FI 0350	Papaya <i>Carica papaya</i> L.
FI 2495	Pawpaw <i>Asimina triloba</i> (L.) Dunal
FI 2496	Pelipisan <i>Mangifera casturi</i> Kosterm.
FI 2497	Pequi <i>Caryocar brasiliense</i> Cambess.; <i>C villosum</i> (Aubl.) Pers
FI 0352	Persimmon, American <i>Diospyros virginiana</i> L.
-	Plantain, See Banana, FI 0327 <i>Musa x paradisiaca</i> L., var. <i>sapientum</i> (L.) Kuntze
FI 0355	Pomegranate <i>Punica granatum</i> L.
FI 2498	Quandong <i>Santalum acuminatum</i> (R. Br.) DC.
-	Quito orange, see Naranjilla, FI 0349
FI 0360	Sapote, Black <i>Diospyros digyna</i> Jacq. Syn: <i>D.ebenaster</i> Retz.
FI 0361	Sapote, Green <i>Pouteria viridis</i> (Pittier) Cronquist Syn: <i>Calocarpum viride</i> Pitt.
FI 0363	Sapote, White <i>Casimiroa edulis</i> La Llave & Lex
FI 2499	Sataw <i>Parkia speciosa</i> Hassk
FI 0367	Star apple <i>Chrysophyllum cainito</i> L.
FI 0312	Tamarillo, <i>Solanum betaceum</i> Cav. Syn: <i>Cyphomandra betacea</i> (Cav.) Sendt
FI 2500	Tamarind-of-the-Indies <i>Vangueria madagascariensis</i> J.F/Gmel.
-	Tree tomato, See Tamarillo, FI 0312
FI 2501	Wild loquat <i>Uapaca kirkiana</i> Müll. Agr.
006C	Assorted tropical and sub-tropical fruits – inedible rough or hairy peel - large
<u>Code No.</u>	<u>Commodity</u>
FI 2023	Assorted tropical and sub-tropical fruits – inedible rough or hairy peel - large (includes all commodities in this subgroup)

- FI 2520 **Atemoya**
Annona x atemoya Mabb.
- **Baobab fruit**, see Monkey-bread tree FI 2524
- FI 2521 **Biriba**
Rollinia mucosa (Jacq.) Baill.
- FI 0329 **Breadfruit**
Artocarpus altilis (Parkinson) Fosberg
syn: *Artocarpus communis* J.R. et G. Forster;
- FI 2522 **Champedak**
Artocarpus integer (Thunb.) Merr.
- FI 0331 **Cherimoya**
Annona cherimola Mill.
- FI 0332 **Custard apple**
Annona reticulata L.
- FI 0334 **Durian**
Durio zibethinus L..
- FI 0371 **Elephant apple**
Limonia acidissima L.
syn: *Feronia limonia* (L.) Swing; *Feronia elephantum* Corrêa
- **Guanabana**, see Soursop, FI 0365
- FI 0337 **Ilama**
Annona macrophyllata Donn. Sm.
Syn: *A. diversifolia* Saff.
- **Indian wood apple**, see Elephant apple, FI 0371
- FI 0338 **Jackfruit**
Artocarpus heterophyllus Lam.;
syn: *A. integrifolius* auct
- FI 0344 **Mammey apple**
Mammea americana L.
- FI 2523 **Marang**
Artocarpus odoratissimus Blanco
- FI 0347 **Marmalade-box**
Genipa americana L.
- FI 2524 **Monkey-bread tree**
Adansonia digitata L.
- FI 0353 **Pineapple**
Ananas comosus (L.) Merril;
- FI 2525 **Poshte**
Annona liebmaniana Baill.
- FI 0357 **Pulasan**
Nephelium ramboutan-ake (labill.) Leenh.

FI 0358	Rambutan <i>Nephelium lappaceum</i> L.
FI 0359	Sapodilla <i>Manilkara zapota</i> (L.) P. Royen syn: <i>Manilkara achras</i> (Mill.) Fosberg; <i>Achras zapota</i> L.
FI 0362	Sapote, Mammey <i>Pouteria sapota</i> (Jacq.) H.E. Moore & Stearn Syn: <i>Calocarpum sapota</i> (Jacq.) Merr.
FI 2526	Screwpine <i>Pandanus tectorius</i> Parkinson; <i>P. utilis</i> Bory; <i>P. leram</i> Jones ex Fontana; <i>P. julianettii</i> Martelli
FI 2527	Soncoya <i>Annona purpurea</i> Moc. & Sessé ex Dunal
FI 0365	Soursop <i>Annona muricata</i> L.
FI 2528	Sun sapote <i>Licania platypus</i> (Hemsl.) Fritsch
FI 0368	Sugar apple <i>Annona squamosa</i> L.
-	Sweetsop , see Sugar apple, FI 0368

006D Assorted tropical and sub-tropical fruits - inedible peel - cactus

<u>Code No.</u>	<u>Commodity</u>
FI 2024	Assorted tropical and sub-tropical fruits - inedible peel - cactus (includes all commodities in this subgroup)
-	Dragon fruit , see Pitaya, FI 2540 <i>H. undatus</i> (Haw.) Britton & Rose
-	Indian fig , see Prickly pear, FI 0356
FI 2540	Pitaya <i>Hylocereus spp.</i> ; <i>H. undatus</i> (Haw.) Britton & Rose; <i>H. Megalanthus</i> (K. Schum. Ex Vaupel) Ralf Bauer; <i>H. Polyrhizus</i> (F.A.C. Weber) Britton & Rose; <i>H. Ocamponis</i> (Salm-Dyck) Britton & Rose <i>H. triangularis</i> (L.) Britton&Rose
FI 0356	Prickly pear <i>Opuntia ficus-indica</i> (L.) P. Miller; <i>O. Engelmannii</i> Salm-Dyck ex Engelm. var. <i>Lindheimeri</i> (Engelman.) B.D. Parfitt & Pinkava
FI 2541	Saguaro <i>Camegiea gigantean</i> (Engelm.) Britton & Rose

006E Assorted tropical and sub-tropical fruits - inedible peel - vines

<u>Code No.</u>	<u>Commodity</u>
FI 2025	Assorted tropical and sub-tropical fruits - inedible peel - vines (includes all commodities in this subgroup)
-	Chinese gooseberry , see Kiwifruit, FI 0341
FI 2560	Grandilla <i>Passiflora ligularis</i> Juss.

FI 2561	Grandilla, Giant <i>Passiflora quadrangularis</i> L.
FI 0341	Kiwifruit <i>Actinidia deliciosa</i> (A. Chev.) C. F. Liang & A. R. Ferguson; <i>A. chinensis</i> Planch. and hybrids
FI 2562	Monstera <i>Monstera deliciosa</i> Liebm.
FI 2563	Passionflower, Winged-stem <i>Passiflora alata</i> Curtis
FI 2564	Passion fruit, Banana <i>Passiflora tripartita</i> (Juss.) Poir. Var. <i>mollissima</i> (Kunth) Holm-Niels & P. Jørg.
FI 0351	Passion fruit Cultivars of <i>Passiflora edulis</i> Sims
006F Assorted tropical and sub-tropical fruits - inedible peel - palms	
<u>Code No.</u>	<u>Commodity</u>
FI 2026	Assorted tropical and sub-tropical fruits - inedible peel -palms (includes all commodities in this subgroup)
FI 2580	Coconut, Young <i>Cocus nucifera</i> L.
FI 2581	Guriri <i>Allagoptera arenaria</i> (Gomes) Kuntze
FI 2582	Muriti <i>Mautitia flexuosa</i> L.f.
FI 2583	Palmyra palm fruit <i>Borassus flabellifer</i> L.
FI 2584	Salak <i>Salacca zalacca</i> (Gaertn.) Voss

Appendix III

Transfer to Group 001 Citrus fruit:

Subgroup 001A Lemons and Limes

<u>Code No.</u>	<u>Commodity</u>
FC 0303	Kumquats <i>Fortunella japonica</i> (Thunberg) Swingle; <i>F. margarita</i> (Loureiro) Swingle
-	Kumquat, Marumi , see Kumquats, FT 0303 <i>Fortunella japonica</i> (Thunberg) Swingle
-	Kumquat, Nagami , see Kumquats, FT 0303 <i>Fortunella margarita</i> (Loureiro) Swingle
FC 2214	Limequats <i>Citrus japonica</i> x <i>Citrus aurantiifolia</i>

Appendix IV

Group 027 Herbs

Group 027A Herbs (herbaceous plants)

<u>Code No.</u>	<u>Commodity</u>
HH 3200	Edible flowers Calendula flowers, <i>Calendula officinalis</i> L.; Geranium (lemon, rose), <i>Pelargonium crispum</i> (P.J.Bergius) L'Her and <i>Pelargonium graveolens</i> L'Her; Common daisy, <i>Bellis perennis</i> L. and other edible flowers