

CODEX ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of
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Organization

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Agenda Item 7(b)

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JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON PESTICIDE RESIDUES

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PROPOSED DRAFT REVISION OF THE CODEX CLASSIFICATION OF FOODS AND ANIMAL FEEDS: ASSORTED TROPICAL AND SUB-TROPICAL FRUITS-EDIBLE PEEL AND ASSORTED TROPICAL AND SUB-TROPICAL FRUITS-INEDIBLE PEEL (At Step 3)

(Prepared by The Netherlands and the United States of America)

Governments and interested international organizations wishing to submit comments on the two commodity groups (see Annexes 1 and 2) 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 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 or Fax: +39-06-5705-4593 by 15 March 2011.

BACKGROUND

1. At the 42st Session (2009), the Committee agreed to re-establish the Electronic Working Group (EWG) led by the Netherlands and the United States of America, working in English only, to prepare new draft proposals for Assorted tropical and sub-tropical fruits-edible peel (Group 005), Assorted tropical and sub-tropical fruits-inedible peel (Group 006), Leafy vegetables (including Brassica leafy vegetables) (Group 013) and Brassica (cole or cabbage) vegetables, cabbage, Head and Flowerhead cabbages (Group 010) according to the schedule agreed by the Committee.¹

2. Due to delay in the drafting of revision proposals of the US classification system only the proposals for the revised groups of "Assorted tropical and sub-tropical fruits - edible peel" and "Assorted tropical and sub-tropical fruits - inedible peel" could be submitted to the Electronic Working Group for consideration. The proposals for the revised commodity groups are amended according to the received comments. The proposals for the revised commodity groups are presented in Annexes 1 and 2. The working documents with further background information could be sent upon request.

ASSORTED TROPICAL AND SUB-TROPICAL FRUITS – EDIBLE PEEL

3. The proposed revised group "Miscellaneous fruits - edible peel" is included in Annex 1.

It is proposed for practical reasons to reduce the length of the headings from "Assorted Tropical and sub-tropical fruits" in "Miscellaneous fruits".

4. The group 005 "Miscellaneous fruits – edible peel" is divided in 3 subgroups, according to the US draft system:

- 005 A Miscellaneous fruits - edible peel – small
- 005 B Miscellaneous fruits - edible peel – large
- 005 C Miscellaneous fruits - edible peel – palms

This division between small fruits and medium to large fruits is based on the surface area: mass (volume) ratio as described in the literature. Fruit that has a surface area/mass (volume) ratio of > 1.5:1 is considered a small fruit and fruit that has a surface area/mass (volume) ratio of ≤ 1.5:1 is considered a medium to large fruit.

¹ ALINORM 10/33/24, para. 106.

Palm commodities are proposed to be classified in a separate group based on the botanical similarities of the trees. In most palm the fruit is produced in clusters that hang from the tree. Also similar patterns of pesticides applications are expected to occur and similar residue pattern within the palm group.

5. The commodities proposed to include in the group of "Miscellaneous fruits - edible peel":

In the subgroup 005 A "Miscellaneous fruits - edible peel – small" the following existing commodities in the Codex Classification are placed:

- Arbutus berry
- Barbados cherry (=Acerola)
- Chinese olive, Black, White
- Coco plum
- Desert date
- Grumichama
- Hog plum (= mombin, Yellow)
- Jambolan
- Java apple (=Wax jambu)
- Jujube, Chinese
- Karanda (= Caranda)
- Kumquats
- Olives (= Table olives)
- Otaheite gooseberry
- Sea grape

In the subgroup 005A "Miscellaneous fruits - edible peel – small" the following new commodities are added:

- African plum
- Almondette
- Apple berry
- Bayberry, Red
- Bignay
- Breadnut
- Cabeluda
- Carandas-plum
- Ceylon iron wood
- Ceylon olive
- Cherry-of-the-Rio-Grande
- Chirauli nut
- False sandalwood
- Fragrant Manjack
- Gooseberry, Abyssinian
- Gooseberry, Ceylon
- Governor's plum
- Guabiroba
- Guava berry
- Illawara plum
- Jamaica cherry
- Kaffir plum
- Kakadu Plum
- Kapundung
- Lemon aspen
- Limequats
- Monos plum
- Mountain cherry
- Persimmon, Black
- Pitomba
- Rumberry
- Sete-capotes
- Silver aspen
- Water apple
- Water berry
- Water pear

In the subgroup 005 B "Miscellaneous fruits - edible peel – large" the following existing commodities are placed:

- Ambarella
- Bilimbi
- Carambola (= Starfruit)
- Carob
- Cashew apple
- Fig
- Guava
- Jaboticaba
- Jujube, Indian
- Natal plum
- Persimmon, Japanese
- Pomerac
- Rose apple
- Sentul
- Surinam cherry
- Tamarind (sweet varieties)

In the subgroup 005B "Miscellaneous fruits - edible peel – large" the following new commodities are added:

- Arazá
- Babaco
- Cajou (pseudofruit)
- Cambucá
- Ciruela verde
- Davidson plum
- Gooseberry, Indian
- Guava, Brazilian
- Guava, Cattley
- Guava, Costa Rican
- Guava, Para
- Guayabillo
- Imbé
- Imbu
- Kwai muk
- Mangaba
- Marian Plum
- Mombin, Malayan
- Mombin, purple
- Monkeyfruit
- Nance
- Noni
- Papaya, Mountain
- Rambai
- Uvalha

In the subgroup 005C "Miscellaneous fruits - edible peel – palms" the following existing commodities are placed:

- Date
- Doum palm

In the subgroup 005C "Miscellaneous fruits - edible peel – palms" the following new commodities are added:

- Açai
- Apak palm
- Bacaba palm
- Bacaba-de-leque
- Jelly palm
- Patauá
- Peach palm

Most of the new commodities originate from the expanded US crop grouping system by the International Crop Grouping Consulting Committee (ICGCC).

Fruits that are primarily processed into jams, jelly or wine were also included in the edible peel crop group since it was assumed that pesticide residues could contaminate the commodity during processing.

6. In the USA system the following existing commodities were proposed by USA to move from the inedible peel group to the edible peel group:

- Doum palm (in 005C)
- Jambolan (in 005A)
- Java apple (=Wax Jambu) (in 005A)
- Feijoa (not moved on request of New Zealand and Thailand)
- Mombin, yellow (= Hog plum) (in 005A)
- Sentul (in 005B)
- Tamarind (sweet varieties) (in 005B)

7. The USA has in their draft classification system in the group Tropical and subtropical fruits- edible peel the commodity "Agritos" (*Berberis trifoliolata*) included. It is proposed to include this commodity in the group of "Berries and small fruits", because it is a berry.

From the comments on the draft proposal from the Electronic Working Group there are proposals to move commodities to other groups:

- The Republic of Korea and Japan would like to include "Persimmon" in the "Pome fruits group".
- The Republic of Korea would also like include "Jujube" in the "Stone fruits group".
- Japan would like to move "Kumquats" to the Citrus fruits group, subgroup Lemons and limes.

The commodity groups of Citrus fruits, Pome fruits, Stone fruits and Berries and other small fruits are now kept at Step 7 and will not be discussed during this Session of the CCPR. The above proposals have to be discussed and decided upon, when the proposals of all fruit groups will be put before the CCPR for the final discussion at Step 7 of the procedure.

ASSORTED TROPICAL AND SUB-TROPICAL FRUITS – INEDIBLE PEEL

8. The proposed revised group "Miscellaneous fruits - inedible peel" is included in Annex 2.

It is proposed for practical reasons to reduce the length of the headings from "Assorted Tropical and sub-tropical fruits" in "Miscellaneous fruits".

9. The group 006 "Miscellaneous fruits – inedible peel" is divided in 6 subgroups, according to the US draft system:

- 006A Miscellaneous fruits - inedible peel – small
- 006B Miscellaneous fruits - inedible smooth peel - large
- 006C Miscellaneous fruits – inedible rough or hairy peel - large
- 006D Miscellaneous fruits - inedible peel - cactus
- 006E Miscellaneous fruits - inedible peel - vines
- 006F Miscellaneous fruits - inedible peel - palms

The division between small fruits and medium to large fruits is based on the surface area: mass (volume) ratio as described in the literature. Fruit that has a surface area/mass (volume) ratio of > 1.5:1 is considered a small fruit and fruit that has a surface area/mass (volume) ratio of \leq 1.5:1 is considered a medium to large fruit.

Also the peel texture resulted in subgroups and in addition subgroups were made for unique groups of plants (cactus, vines and palms).

10. The commodities proposed to include in the group of "Miscellaneous fruits - inedible peel":

In the subgroup 006A "Miscellaneous fruits - inedible peel – small" the following existing commodities are placed:

- Litchi
- Longan
- Spanish lime

In the subgroup 006A "Miscellaneous fruits - inedible peel – small" the following new commodities are added:

- Aisen
- Beal fruit
- Burmese grape
- Ingá
- Madras-thorn
- Manduro
- Matisa
- Mesquite
- Mongongo
- Pawpaw, Small-flower
- Satinleaf
- Sierra leone tamarind
- Velvet tamarind
- Wampi
- White star apple

In the subgroup 006 B "Miscellaneous fruits - inedible smooth peel – large" the following existing commodities are placed:

- Akee apple
- Avocado
- Banana
- Canistel
- Feijoa
- Mango
- Mangosteen
- Naranjilla
- Papaya
- Persimmon, American
- Pomegranate
- Sapote, Black
- Sapote, Green
- Sapote, White
- Star apple
- Tamarillo (=Tree Tomato) (from edible peel group)

The existing commodities Banana, dwarf and Plantain are grouped under the commodity Banana.

In the subgroup 006B "Miscellaneous fruits - inedible smooth peel – large" the flowing new commodities are added:

- Abui
- Bacuri
- Binjai
- Capuacú
- Etambe
- Jatobá
- Kei apple
- Kokam
- Langsat
- Lanjut
- Lucuma
- Mabolo
- Mango, Horse
- Mango, Saipan
- Paho
- Pawpaw
- Pelipisan
- Pequi
- Quandong
- Sataw
- Tamarind-of-the-Indies
- Wild loquat

In the subgroup 006C "Miscellaneous fruits – inedible rough or hairy peel – large" the following existing commodities are placed:

- Breadfruit
- Cherimoya
- Custard apple
- Durian
- Elephant apple
- Llama
- Jackfruit
- Mammey apple
- Marmelade-box
- Pineapple
- Pulasan
- Rambutan
- Sapodilla
- Sapote, Mammey
- Soursop
- Sugar apple

In the subgroup 006C "Miscellaneous fruits – inedible rough or hairy peel – large" the following new commodities are added:

- Atemoya
- Biriba
- Campedak
- Marang
- Monkey-bread tree
- Poshte
- Screwpine
- Soncoya
- Sun sapote

In the subgroup 006D "Miscellaneous fruits - inedible peel – cactus" the following existing commodities are placed:

- Prickly pear

In the subgroup 006D "Miscellaneous fruits - inedible peel – cactus" the following new commodities are added:

- Pitaya
- Saguaro

In the subgroup 006E "Miscellaneous fruits - inedible peel – vines" the following existing commodities are placed:

- Passion fruit
- Kiwifruit

In the subgroup 006E "Miscellaneous fruits - inedible peel – vines" the following new commodities are added:

- Grandilla
- Grandilla, Giant
- Monstera
- Passionflower, Winged-stem
- Passion fruit, Banana

In the subgroup 006F "Miscellaneous fruits - inedible peel – palms" the following no existing commodities are placed.

In the subgroup 006F "Miscellaneous fruits - inedible peel – palms" the following new commodities are added:

- Guriri
- Muriti
- Palmyra palm fruit
- Salak

11. It is proposed to move the following commodities from the inedible peel to the edible peel group: Doum palm, Guava, Jambolan, Java apple, Mombin, Yellow (= Hog plum), Sentul, Tamarind (sweet varieties).

Tonka bean is deleted because of concerns about toxicity (coumarin) and is more used as a spice.

From the limited revision project there was a proposal to include "Coconut, Young" in the group of "Miscellaneous fruits - inedible peel". Coconut is classified in the group of "Tree nuts". More information is needed for proper classification of this commodity.

12. For a number of commodities there was not enough information to properly classify them into crop groups and subgroups or they are rarely cultivated and are not included in the Miscellaneous fruit groups: Abrió-da-praia, Araticum, Bacupari, Bacupari-do-campo, Baru, Banana bell, Cambuci, Curriola, Florida Gooseberry, Galonut, Caraquatá, Guabiju, Jacaratia, Joá, Mama-cadela, Marmelada, Marolo, Pera-do-cerrado Pindaiba and Sorva. Further information is needed to include them in the Classification.

RECOMMENDATIONS

13. The chairs of the EWG propose to consider the proposals for "Miscellaneous fruits - edible peel" and "Miscellaneous fruits - inedible peel" at Step 4 in the light of the comments received and advance these proposals for adoption at Step 5.

14. The chairs of the EWG propose to the Committee to re-establish the Electronic Working Group led by The Netherlands and the USA, working in English and open to all Members and observers, which should prepare proposals for commodity groups according to the progress made by the ICGCC.

ANNEX 1

Miscellaneous fruits - edible peel

Class A**Type 1 Fruits Group 005 Group Letter Code FT**

The Miscellaneous fruits (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 Miscellaneous fruits - edible peel – small

005 B Miscellaneous fruits - edible peel – large

005 C Miscellaneous 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 Miscellaneous fruits - edible peelCode No. Commodity

FT 0026 Miscellaneous fruits - edible peel

Group 005A Miscellaneous fruits - edible peel – smallCode No. Commodity

FT 2011 Miscellaneous fruits - edible peel – small
(includes all commodities in this subgroup)

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.

Brazilian cherry, see Grumichana, FT 0298

- FT 2306 **Cabeluda**
 Plinia glomerata (O. Berg) Amshoff
- Camu-camu**, see Rumberry, FT 2328
- Caranda**, see Karanda FT 0290
- FT 2307 **Carandas plum**
 Carissa edulis Vahl.
- FT 2308 **Ceylon iron wood**
 Manilkara hexandra (Roxb.) Dubard
- FT 2309 **Ceylon olive**
 Elaeocarpus serratus L.
- FT 2310 **Cherry-of-the-Rio-Grande**
 Eugenia aggregate (Vell.) Kiaersk.
- FT 0293 **Chinese olive, Black, White**
 Canarium tramdenum C.D.Dai&Yakovlev; Syn: *C pimela* Koenig
 Canarium album (Lour.) Raeusch.
- FT 2311 **Chiraulinut**
 Buchanania latifolia Roxb.
- FT 0294 **Coco plum**
 Chrysobalanus icaco L.
- FT 0296 **Desert date**
 Balanites aegyptiacus (L.) Delile
- FT 2312 **False sandalwood**
 Ximenia americana L.
- FT 2313 **Fragrant manjack**
 Cordia dichotoma G. Forst.
- FT 2314 **Gooseberry, Abyssinian**
 Dovyalis abyssinica (A. Rich.) Warb.
- FT 2315 **Gooseberry, Ceylon**
 Dovyalis hebecarpa (Gardner) Warb.
- FT 2316 **Governor's plum**
 Flacourtia indica (Burm.f) Merr. ;
 Flacourtia inermis Roxb. ;
 Flacourtia rukam Zoll.&Moritzi ;
 Flacourtia jangomas (Lour.)Raeusch.
- FT 0298 **Grumichama**
 Eugenia brasiliensis Lam.
 Syn: *Eugenia dombeyi* (Spreng.) Skeels

- FT 2317 **Guabiroba**
 Campomanesia xanthocarpa O. Berg
- FT 2318 **Guava berry**
 Myrciaria floribunda (H. West ex Willd.) O. Berg
- Icaco plum**, See Coco plum, FT 0294
- FT 2319 **Illawara plum**
 Podocarpus elatus 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**
 Zizyphus 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 0303 **Kumquats**
 Fortunella japonica (Thunberg) Swingle;
 F. margarita (Loureiro) Swingle
- Kumquat, Marumi**, see Kumquats, FT 0303
 Fortunella japonica (Thunberg) Swingle
- Kumquat, Nagami**, see Kumquats, FT 0303
 Fortunella margarita (Loureiro) Swingle

- FT 2324 **Lemon aspen**
Acronychia acidula F. Muell.
- FT 2325 **Limequats**
Citrus japonica x *Citrus aurantiifolia*
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**
Coccoloba uvifera Jacq.
- FT 2331 **Sete-capotes**
Campomanesia guazimifolia (Cambess.) O. Berg
- FT 2332 **Silver aspen**
Acronychia wilcoxiana (F. Muell.) T.G. Hartley
- FT 0305 **Table Olives**
Olea europaea L., var. *europaea*
Tree strawberry, see Arbutus berry, FT 0286
- FT 2333 **Water apple**
Syzygium aqueum (Burm. F.) Alston
- FT 2334 **Water berry**
Syzygium cordatum Hochst. Ex C. Krauss
- FT 2335 **Water pear**
Syzygium guineense (Willd.) DC
Yumberry, See Bayberry, Red, FT 2303

Group 005B Miscellaneous fruits - edible peel - large

<u>Code No.</u>	<u>Commodity</u>
FT 2012	Miscellaneous 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.
FI 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**
Psidium friedrichsthalianum (O. Berg) Nied.
- FT 2360 **Guava, Para**
Psidium acutangulum DC.
- FT 2361 **Guayabillo**
Psidium sartorianum (O. Berg) Nied.
- FT 2362 **Imbé**
Garcinia livingstonei T. Anderson
- FT 2363 **Imbu**
Spondias tuberosa Arruda ex Kost.
- Indian mulberry, See Noni, FT 2371**
- FT 0300 **Jaboticaba**
Myrciaria cauliflora O. Berg.;
Syn: *Eugenia cauliflora* DC.
- FT 0301 **Jujube, Indian**
Zizyphus mauritania Lam.;
Syn: *Z. jujuba* (L.) Lam. Gaertn.
- **Kaki or Kaki fruit, See Persimmon, Japanese, FT 0307**
- FT 2364 **Kwai muk**
Artocarpus hypargyreus Hance ex Benth.
- Locust tree, See carob, FT 0291**
- FT 2365 **Mangaba**
Hancornia speciosa Gomes
- FT 2366 **Marian plum**
Bouea macrophylla Griff
- FT 2367 **Mombin, Malayan**
Spondias pinnata (J. Koenig. ex L. f.) Kurz
- FT 2368 **Mombin, Purple**
Spondias purpurea L.
- FT 2369 **Monkey fruit**
Autocarpus lacucha Buch.-Ham.
- Muriti, See Nance, FT 2370**
- FT 2370 **Nance**
Byrsonima crassifolia (L.) Kunth
- FT 0304 **Natal plum**
Carissa macrocarpa (Eckl.) A.DC.
Syn: *C. grandiflora* (E. Mey) A.DC.
- FT 2371 **Noni**
Morinda citrifolia 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.
FT 0369	Tamarind , see also Subgroup 28B Spices: Fruit or berry <i>Tamarindus indica</i> L., sweet varieties Umbu , See Imbu FT 2362
FT 2374	Uvalha <i>Eugenia pyriformis</i> Cambess Yellow strawberry guava , See Guava, Cattley, FT 2357
Group 005C	Miscellaneous fruits - edible peel – palms
<u>Code No.</u>	<u>Commodity</u>
FT 2013	Miscellaneous 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>

ANNEX 2**Miscellaneous fruits - inedible peel****Class A**

Type 1	Fruits	Group 006	Group Letter Code FI
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The Miscellaneous fruits (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 Miscellaneous fruits - inedible peel – small

006B Miscellaneous fruits - inedible smooth peel - large

006C Miscellaneous fruits – inedible rough or hairy peel - large

006D Miscellaneous fruits - inedible peel - cactus

006E Miscellaneous fruits - inedible peel - vines

006F Miscellaneous 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	Miscellaneous fruits - inedible peel
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Code No.	Commodity
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FI 0030	Miscellaneous fruits - inedible peel
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006A Miscellaneous fruits - inedible peel – small

Code No.	Commodity
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FI 2021	Miscellaneous fruits - inedible peel – small
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(includes all commodities in this subgroup)

FI 2450	Aisen
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Boscia senegalensis (Pers.) Lam

FI 2451	Bael fruit
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Aegle marmelos (L.) Corrêa

FI 2452	Burmese grape
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Baccaurea ramiflora Lour.

Cat's eyes

Dimocarpus Longan Lour. subsp. *malesianus* Leenh., see Longan FI 0342

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

FI 0343	Litchi
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Litchi chinensis Sonn.;

Syn: *Nephelium litchi* Camb.

FI 0342	Longan , see Codex stan. 220-1999 <i>Dimocarpus longan</i> Lour. Syn: <i>Nephelium longana</i> (Lam.) Camb.; <i>Euphoria longana</i> Lam.
FI 2454	Madras-thorn <i>Pithecellobuim dulce</i> (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 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 Miscellaneous fruits - inedible smooth peel - large	
Code No.	Commodity
FI 2022	Miscellaneous 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**
Platonia insignis Mart.
- FI 0327 **Banana**
 Subsp. and cultivars of *Musa* ssp. and hybrids
Banana, Dwarf, See Banana, FI 0327
Musa hybrids, AAA group;
 Syn: *M. cavendishii* Lambert; *M. nana* 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 **Capuacú**
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 Corrêa
- 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**
Carica papaya L.
- FI 2495 **Pawpaw**
Asimina triloba (L.) Dunal
- FI 2496 **Pelipisan**
Mangifera casturi Kosterm.
- FI 2497 **Pequi**
Caryocar brasiliense Cambess.; *C villosum* (Aubl.) Pers
- FI 0352 **Persimmon, American**
Diospyros virginiana L.
- Plantain**, See Banana, FI 0327
Musa x paradisiaca L., var. *sapientum* (L.) Kuntze
- FI 0355 **Pomegranate**
Punica granatum L.
- FI 2498 **Quandong**
Santalum acuminatum (R. Br.) DC.
- Quito orange**, see Naranjilla, FI 0349
- FI 0360 **Sapote, Black**
Diospyros digyna Jacq.
Syn: *D.ebenaster* Retz.
- FI 0361 **Sapote, Green**
Pouteria viridis (Pittier) Cronquist
Syn: *Calocarpum viride* Pitt.
- FI 0363 **Sapote, White**
Casimiroa edulis La Llave & Lex
- FI 2499 **Sataw**
Parkia speciosa Hassk
- FI 0367 **Star apple**
Chrysophyllum cainito 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	Miscellaneous fruits – inedible rough or hairy peel - large
Code No.	Commodity
FI 2023	Miscellaneous fruits – inedible rough or hairy peel - large (includes all commodities in this subgroup)
FI 2520	Atemoya <i>Annona x atemoya</i> Mabb.
FI 2521	Biriba <i>Rollinia mucosa</i> (Jacq.) Baill.
FI 0329	Breadfruit <i>Artocarpus altilis</i> (Parkinson) Fosberg Syn: <i>Artocarpus communis</i> J.R. et G. Forster;
FI 2522	Champedak <i>Artocarpus integer</i> (Thunb.) Merr.
FI 0331	Cherimoya <i>Annona cherimola</i> Mill.
FI 0332	Custard apple <i>Annona reticulata</i> L
FI 0334	Durian <i>Durio zibethinus</i> L..
FI 0371	Elephant apple <i>Limonia acidissima</i> L. Syn: <i>Feronia limonia</i> (L.) Swing; <i>Feronia elephantum</i> Corrêa Guanabana , see Soursop, FI 0365
FI 0337	Ilama <i>Annona macrophyllata</i> Donn. Sm. Syn: <i>A. diversifolia</i> Saff. Indian wood apple , see Elephant apple, FI 0371
FI 0338	Jackfruit <i>Artocarpus heterophyllus</i> Lam.; Syn: <i>A. integrifolius</i> 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**
Nephelium lappaceum L.
- FI 0359 **Sapodilla**
Manilkara zapota (L.) P. Royen
Syn: *Manilkara achras* (Mill.) Fosberg; *Achras zapota* L.
- FI 0362 **Sapote, Mammey**
Pouteria sapota (Jacq.) H.E. Moore & Stearn
Syn: *Calocarpum sapota* (Jacq.) Merr.
- FI 2526 **Screwpine**
Pandanus tectorius Parkinson; *P. utilis* Bory; *P. leram* Jones ex Fontana; *P. julianettii* Martelli
- FI 2527 **Soncoya**
Annona purpurea Moc. & Sessé ex Dunal
- FI 0365 **Soursop**
Annona muricata L.
- FI 2528 **Sun sapote**
Licania platypus (Hemsl.) Fritsch
- FI 0368 **Sugar apple**
Annona squamosa L.
- Sweetsop**, see Sugar apple, FI 0368

006D Miscellaneous fruits - inedible peel - cactus

Code No.	Commodity
FI 2024	Miscellaneous 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 Miscellaneous fruits - inedible peel - vines

Code No.	Commodity
FI 2025	Miscellaneous 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 Miscellaneous fruits - inedible peel - palms

Code No.	Commodity
FI 2026	Miscellaneous fruits - inedible peel -palms (includes all commodities in this subgroup)
FI 2580	Guriri <i>Allagoptera arenaria</i> (Gomes) Kuntze
FI 2581	Muriti <i>Mauritia flexuosa</i> L.f.
FI 2582	Palmyra palm fruit <i>Borassus flabellifer</i> L.
FI 2583	Salak <i>Salacca zalacca</i> (Gaertn.) Voss