UPOV

International Union for the Protection of New Varieties of Plants

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UPOV INFORMATION DATABASES

Document prepared by the Office of the Union

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EXECUTIVE SUMMARY

1.   The purpose of this document is to provide an update on developments concerning UPOV Codes; and the PLUTO database.

2.   The TC is invited to submit to the TWF a proposal for amending the UPOV codes for *Citrus* and related genera and species, as provided in Annex II to this document.

3.   The structure of this document is as follows:

4.   The following abbreviations are used in this document:

CAJ: Administrative and Legal Committee
GRIN: Germplasm Resources Information Network
TC: Technical Committee
TWA: Technical Working Party for Agricultural Crops
TWF: Technical Working Party for Fruit Crops
TWM: Technical Working Party for Testing Methods and Techniques
TWO: Technical Working Party for Ornamental Plants and Forest Trees
TWP(s):   Technical Working Party(ies)
TWV: Technical Working Party for Vegetables

AMENDMENTS TO UPOV CODES

UPOV codes for Citrus

5.   The following section reports on amendments to UPOV codes for genera and species of the *Citrus* complex, which are no longer recognized as valid botanical names. In addition to the genus *Citrus* (Oranges, Mandarins, Lemons, Limes, Pummelo), the amendments would include UPOV codes for species under the genera ×*Citroncirus, Fortunella* and *Poncirus*.

6.   Following the reclassification of several species of *Citrus* and related genera and species, a revision of the UPOV codes related to the *Citrus* complex is proposed.

Background:

7.   The TC, at its fifty-seventh session, agreed to amend the UPOV code CITRU_AUM, following the reclassification of *Citrus clementina* hort. ex Tanaka (UPOV code: CITRU_CLE) as a synonym of *Citrus aurantium* L. (UPOV code: CITRU_AUM), as provided below. The TC agreed to append information to UPOV code CITRU_AUM to create groups "1MA" for mandarins; and "2OR" for oranges.

Old					New		
Entries in PLUTO	TG	UPOV Code	Principal botanical name	Other botanical name(s)	UPOV Code	Principal botanical name	Other botanical name(s)
10	TG/202	CITRU_AUM	*Citrus aurantium* L.	n.a.	CITRU_AUM_**1MA** CITRU_AUM_**2OR**	Citrus ×*aurantium* L.	*Citrus amara* Link; *Citrus bigarradia* Loisel.; *Citrus intermedia* hort. ex Tanaka; *Citrus taitensis* Risso; *Citrus vulgaris* Risso; *Citrus* ×*aurantium* subsp. *aurantium* L.; *Citrus* ×*aurantium* subsp. *jambiri* Engl.; *Citrus* ×*aurantium* subsp. *keonla* Engl.; *Citrus* ×*aurantium* subsp. *suntara* Engl.; *Citrus* ×*aurantium* var. *aurantium* L.; *Citrus* ×*aurantium* var. *citrina* Lush.; *Citrus* ×*bigarradia* var. *volkameriana* Risso; *Citrus* ×*clementina* hort. ex Tanaka; *Citrus* ×*crenatifolia* Lush.; *Citrus reticulata* × C. *maxima*
115	TG/201	CITRU_CLE	*Citrus clementina* hort. ex Tanaka	n.a.			
1	/	CITRU_MRE	*Citrus maxima* X *Citrus reticulata*	n.a.			
0	TG/201	CITRU_CRE	*Citrus crenatifolia* Lush.	n.a.			
0	TG/204	CITRU_INT	*Citrus intermedia* hort. ex Tanaka	n.a.			

8.   As consequential changes, the TC agreed that the UPOV codes CITRU_CLE, CITRU_MRE, CITRU_CRE, CITRU_INT, CITRU_AUR, CITRU_DAV, CITRU_EXC, CITRU_KER, CITRU_BAL and CITRU_KAR and CITRU_BEN should be deleted. The TC agreed with the proposal from the TWF for partial revision of the Test Guidelines for *Citrus* to move obsolete species from the "principle botanical names" box to the "alternative botanical names".

Proposal

9.   The TC may wish to invite the TWF to consider a proposal to amend the UPOV codes of *Citrus* and related genera and species, as provided in Annex II to this document.

> *10.   The TC is invited to submit to the TWF a proposal for amending the UPOV codes for Citrus and related genera and species, as provided in Annex II to this document.*

MATTERS FOR INFORMATION

PLUTO database

11.   The number and different types of subscriptions to the PLUTO premium service from 2021 to 2024 are indicated in the table below.

Subscription	2021	2022	2023	2024
Paying Premium Users	9	21	52	8
Non-paying premium Users (Eligible Officials)	97	136	149	151
PVP Contributors	28	43	59	61
Other Users (Standard Service)	1,131	2,704	4,370	4,855

12.   The frequency and completeness of data contributions to the PLUTO database differs from one authority to another.

Last contribution year	No data submission	2021	2022	2023	2024
Number of authorities	12	9	5	11	44
Percentage	14%	11%	6%	13%	54%

A report on data contributed to PLUTO by members of the Union and other contributors is provided in Annex I to this document.

13.   The Office of the Union is arranging initial online sessions with new contributors to outline the contribution process and familiarize them with the PLUTO database interface for contributors.

14.   A database of high quality is to the benefit for all UPOV members. The quality of a database depends on high quality contributions. Data contributors to the PLUTO database are invited to consider the following aspects of data quality:

- Timeliness: PLUTO contributors should aim to submit data as frequently as possible, ideally right after its publication in the gazette.
- Uniqueness: To prevent duplicates, a control on the variety identifier (application number or grant number) is implemented in PLUTO.
- Validity: Denominations that are empty or dates that are invalid must be identified and corrected.
- Consistency: Application/grant numbers should be consistent within the data provided by an authority.
- Accuracy: It is crucial to identify species correctly and link them to the UPOV code to test denominations accurately. PLUTO has a rigorous process to propose UPOV codes and validate them with contributors.
- Completeness: The quality of PLUTO would benefit from receiving complete sets of data contributions from all UPOV members. (pro domo: this is already comprised by timeliness above)

15.   A workshop on data quality was held in September 2024 for UPOV Office staff and experts from the Community Plant Variety Office of the European Union (CPVO) to identify data quality issues; consider options for support to data contributors between Q4 2024 and Q1 2025; and explore options for automating quality checks.

GENIE database

Background

16.   The GENIE database (http://www.upov.int/genie/en/) has been developed to provide online information on the status of protection, cooperation in examination, experience in DUS testing and existence of UPOV Test Guidelines for different GENera and specIEs (hence GENIE). The GENIE database is used to generate the relevant Council and TC documents concerning that information[1].

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[1]   See documents C/[session]/INF/6 "List of the taxa protected by the members of the Union; C/[session]/INF/5 "Cooperation in Examination"; TC/[session]/INF/4 "List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability"; and TC/[session]/2 "Test Guidelines".

17.   The GENIE database is the repository of the UPOV codes and provides information concerning the principal and alternative botanical names and common names of plant taxa.

UPOV code developments

18.   In 2023, 80 new UPOV codes were created. The total number of UPOV codes in the GENIE database as of December 31, 2023 was 9,605.

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
New UPOV codes	209	577	188	173	440	242	243	177	131	183	78
Amendments	47*	37	11	16	1	5	3	44	35	35	2
Total UPOV Codes	7,251	7,808	7,992	8,149	8,589	8,844	9,077	9,213	9,342	9,525	9,605

*   including changes to UPOV codes resulting from the amendment of the "Guide to the UPOV Code System" concerning hybrids (see document TC/49/6).

TWP checking

19.   Section 4.3 (d) of the "Guide to the UPOV Code System" provides the following:

"Amendments to UPOV codes will be handled by the same procedure as the introduction of new UPOV codes […]. However, in addition, all members of the Union and contributors of data to the Plant Variety Database will be informed of any amendments."

20.   In accordance with the procedure set out in Section 4.3 of the Guide to the UPOV Code System, the Office of the Union will provide information on UPOV code additions and amendments for checking by the relevant authorities and experts at the Technical Working Parties.

Amendments to UPOV codes

21.   The following changes to UPOV codes were implemented in 2024 and communicated to members of the Union and contributors of data to the PLUTO database. Contributors of data to the PLUTO database will be requested to use the amended UPOV codes when submitting their plant variety data to the Office of the Union.

UPOV codes for redundant genera in the GENIE database

22.   The TC, at its fifty-ninth session[2], agreed to delete the UPOV codes for 53 redundant genera in the GENIE databaseas presented in the following table. The redundant UPOV codes were deleted (reclassified genera) and the UPOV codes for the accepted taxa were updated to include information from the previously accepted taxa under "other botanical names".

GENIE database		GRIN database	GENIE database	
Reclassified genera	UPOV code to be deleted	Accepted genera name	UPOV code (accepted genera in GRIN)	Relevant Technical Working Party(ies)
Acanthopanax	ACNTP	*Eleutherococcus*	ELEUT	TWO
Acmena	ACMEN	*Syzygium*	SYZYG	TWO, TWF
Ajania	AJANI	*Chrysanthemum*	CHRYS	TWO
Ammophila	AMMOP	*Calamagrostis*	CALMG	TWO
Anagallis	ANAGA	*Lysimachia*	LYSIM	TWO
Belamcanda	BELAM	*Iris*	IRISS	TWO
Cardaria	CARDA	*Lepidium*	LEPID	TWO, TWV
Castalis	CASTL	*Dimorphotheca*	DIMOR	TWO
Chamaecytisus	CHMCT	*Cytisus*	CYTIS	TWO
Cheiranthus	CHEIR	*Erysimum*	ERYSI	TWO
Cimicifuga	CIMIC	*Actaea*	ACTAE	TWO
Cnicus	CNICU	*Centaurea*	CENTA	TWO
Cochlioda	COCHD	*Oncidium*	ONCID	TWO
Coluria	COLUR	*Geum*	GEUMM	TWO
Crypsis	CRYPS	*Sporobolus*	SPORO	TWO, TWA
Daemonorops	DAEMO	*Calamus*	CALAM	TWO

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2   Technical Committee, fifty-ninth session, held in Geneva on October 23 and 24, 2023. See document TC/59/28 "Report" paragraph 44

GENIE database		GRIN database	GENIE database	
Reclassified genera	UPOV code to be deleted	Accepted genera name	UPOV code (accepted genera in GRIN)	Relevant Technical Working Party(ies)
Dichroa	DICHR	*Hydrangea*	HYDRN	TWO
Dodecatheon	DODEC	*Primula*	PRIMU	TWO
Fortunella	FORTU	*Citrus*	CITRU	TWO, TWF
Gaura	GAURA	*Oenothera*	OENOT	TWO
Hebe	HEBEE	*Veronica*	VERON	TWO
Hemidiodia	HEMID	*Oenothera*	OENOT	TWO
Hylocereus	HYLOC	*Selenicereus*	SELEN	TWO, TWV, TWF
Laurentia	LAURE	*Lobelia*	LOBEL	TWO
Lychnis	LYCHN	*Silene*	SILEN	TWO, TWV
Manfreda	MANFR	*Agave*	AGAVE	TWO, TWV
Manglietia	MANGL	*Magnolia*	MAGNO	TWO
Menziesia	MENZI	*Rhododendron*	RHODD	TWO
Miyamayomena	MIYAM	*Aster*	ASTER	TWO
Odontoglossum	ODONT	*Oncidium*	ONCID	TWO
Parakmeria	PARAK	*Magnolia*	MAGNO	TWO
Pedilanthus	PEDIL	*Euphorbia*	EUPHO	TWO, TWV
Pennisetum	PENNI	*Cenchrus*	CENCH	TWO, TWA
Poncirus	PONCI	*Citrus*	CITRU	TWO, TWF
Porphyra	PORPH	*Callicarpa*	CALLC	TWO, TWV
Pratia	PRATI	*Lobelia*	LOBEL	TWO
Pulsatilla	PULSA	*Anemone*	ANEMO	TWO
Rhagodia	RHAGO	*Chenopodium*	CHENO	TWO, TWA
Rollinia	ROLLI	*Annona*	ANNON	TWF
Schizophragma	SCHIO	*Hydrangea*	HYDRN	TWO
Sclerostachya	SCLRS	*Miscanthus*	MISCA	TWO
Sedirea	SEDIR	*Phalaenopsis*	PHALE	TWO
Sophronitis	SOPHR	*Cattleya*	CATTL	TWO
Stephanandra	STEPH	*Neillia*	NEILL	TWO
Tacitus	TACIT	*Graptopetalum*	GRATP	TWO
Taxodiomeria	TAXDI	*Taxodium*	TAXOD	TWO
Trichloris	TRICL	*Leptochloa*	LPTOC	TWO
Uncinia	UNCIN	*Carex*	CAREX	TWO
Vaccaria	VACCA	*Gypsophila*	GYPSO	TWO
Vetiveria	VETIV	*Chrysopogon*	CHRPG	TWO
Vulpia	VULPI	*Festuca*	FESTU	TWO, TWA
Waldsteinia	WALDS	*Geum*	GEUMM	TWO
Xanthocyparis	XNTHC	*Cupressus*	CUPRE	TWO

UPOV codes for Brassica oleracea

23.	The principal botanical name for *Brassica oleracea* species was amended to include information on variety groups, as follows:

UPOV code	Botanical names in GENIE	Botanical names in GRIN	Group name
BRASS_OLE_ALB	*Brassica oleracea* L. var. *alboglabra* (L. H. Bailey) Musil *Brassica alboglabra* L. H. Bailey; *Brassica oleracea* var. *albiflora* auct.	*Brassica oleracea* L. var. *alboglabra* (L. H. Bailey) Musil (*Brassica oleracea* Chinese Kale or Kailaan Group)	*Brassica oleracea* L. (Chinese Kale or Kailaan Group)
BRASS_OLE_COS	*Brassica oleracea* L. var. *costata* DC. *Brassica capitata* subsp. *costata* (DC.) Lizg.; *Brassica oleracea* convar. *acephala* var. *luteola* Alef.; *Brassica oleracea* subsp. *oleracea* convar. *costata* (DC.) Gladis; *Brassica oleracea* var. *tronchuda* L.H. Bailey	*Brassica oleracea* L. var. *costata* DC. (*Brassica oleracea* Portuguese Kale Group)	*Brassica oleracea* L. (Tronchuda Group)
BRASS_OLE_GA	*Brassica oleracea* L. convar. *acephala* (DC.) Alef.	*Brassica oleracea* L. var. *sabellica* L. (*Brassica oleracea* Kale Group)	*Brassica oleracea* L. (Kale Group)
BRASS_OLE_GAM	*Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *medullosa* Thell. *Brassica oleracea* L. var. *medullosa* Thell.	*Brassica oleracea* L. var. *medullosa* Thell. (*Brassica oleracea* Marrowstem Kale Group)	*Brassica oleracea* L. (Marrowstem Kale Group)

UPOV code	Botanical names in GENIE	Botanical names in GRIN	Group name
BRASS_OLE_GAR	*Brassica oleracea* L. var. *ramosa* DC.	*Brassica oleracea* L. var. *ramosa* DC. (*Brassica oleracea* Thousand Head Kale Group)	*Brassica oleracea* L. (Thousand Head Kale Group)
BRASS_OLE_GAS	*Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *sabellica* L. *Brassica oleracea* L. var. *sabellica* L.	*Brassica oleracea* L. var. *sabellica* L. (*Brassica oleracea* Acephala Group)	*Brassica oleracea* L. (Curly kale Group)
BRASS_OLE_GBB	*Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *viridis* L. *Brassica oleracea* L. var. *viridis* L.	*Brassica oleracea* L. var. *viridis* L. (*Brassica oleracea* Collard Group)	*Brassica oleracea* L. (Collard Group)
BRASS_OLE_GBC	*Brassica oleracea* L. var. *italica* Plenck *Brassica oleracea* L. var. *botrytis* L. subvar. *cymosa* Duchesne; *Brassica oleracea* L. var. *cymosa* (Duchesne) DC.; *Brassica oleracea* subvar. *cymosa* Duchesne	*Brassica oleracea* L. var. *italica* Plenck (*Brassica oleracea* Broccoli Group)	*Brassica oleracea* L. (Broccoli Group)
BRASS_OLE_GC	*Brassica oleracea* L. convar. *capitata* (L.) Alef. *Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *alba* DC. x *Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *rubra* (L.) Thell.; *Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *capitata* (L.) Alef.; *Brassica oleracea* L. var. *capitata* L.	*Brassica oleracea* L. var. *capitata* L. (*Brassica oleracea* Red Cabbage and White/Green Cabbage Groups)	*Brassica oleracea* L. (Cabbage Group)
BRASS_OLE_GCA	*Brassica oleracea* L. convar. *capitata* (L.) Alef. var. alba DC. *Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *capitata* L. f. alba DC.	*Brassica oleracea* L. var. *capitata* L. (*Brassica oleracea* White Cabbage Group)	*Brassica oleracea* L. (White Cabbage Group)
BRASS_OLE_GCR	*Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *rubra* (L.) Thell. *Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *capitata* L. f. *rubra* (L.) Thell.	*Brassica oleracea* L. var. *capitata* L. (*Brassica oleracea* Red Cabbage Group)	*Brassica oleracea* L. (Red Cabbage Group)
BRASS_OLE_GCS	*Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *sabauda* L. *Brassica oleracea* L. convar. *capitata* (L.) Alef. var. *bullata* DC.	*Brassica oleracea* L. var. sabauda L. (*Brassica oleracea* Savoy Cabbage Group)	*Brassica oleracea* L. (Savoy Cabbage Group)
BRASS_OLE_GGM	*Brassica oleracea* L. var. *gemmifera* Zenker *Brassica oleracea* L. convar. *oleracea* var. *gemmifera* DC.; *Brassica subspontanea* lizg	*Brassica oleracea* L. var. *gemmifera* DC. (*Brassica oleracea* Brussels Sprouts Group)	*Brassica oleracea* L. (Brussels Sprouts Group)
BRASS_OLE_GGO	*Brassica oleracea* L. var. *gongylodes* L. *Brassica caulorapa* (DC.) Pasq.; *Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *gongylodes* L.; *Brassica oleracea* var. *caulorapa* DC.	*Brassica oleracea* L. var. gongylodes L. (*Brassica oleracea* Kohlrabi Group)	*Brassica oleracea* L. (Kohlrabi Group)
BRASS_OLE_PAL	*Brassica oleracea* L. var. *palmifolia* DC.	*Brassica oleracea* L. var. *palmifolia* DC. (*Brassica oleracea* Jersey Kale or Palmtree Kale Group)	*Brassica oleracea* L. (Palm Kale Group)

UPOV codes for Cichorium intybus

24.   Two new UPOV codes for *Cichorium intybus* were created to enable the establishment of variety groups, as follows:

UPOV code	Principal botanical name	Group name	Other botanical names in GENIE	English	French	German	Spanish
CICHO_INT_1WIT	*Cichorium intybus* L.	Witloof Chicory Group	*Cichorium intybus* L.	Witloof chicory	Endive	Chicorée	Endivia
CICHO_INT_FOL	*Cichorium intybus* L.	Leaf Chicory Group	*Cichorium intybus* L. var. *foliosum* Hegi	Salad Chicory; Leaf chicory	Chicorée à feuille; Chicorée italienne	Salatzich orie	Achicoria
CICHO_INT_SAT	*Cichorium intybus* L.	Industrial Chicory Group	*Cichorium intybus* L. var. *sativum* DC.	Industrial Chicory; Large-rooted Chicory	Chicorée à café	Wurzelzic horie	Achicoria de café
CICHO_INT_2FOR	*Cichorium intybus* L.	Forage Chicory Group	*Cichorium intybus* L.	Forage Chicory	Chicorée fourrage	Futterzich orie	Achicoria forrajera

UPOV codes for Zea mays

25.   The UPOV codes for the *Zea mays* complex have been amended to provide information on variety groups as follows:

Current			Proposal			
UPOV code	Principal botanical name	Other botanical name(s)	UPOV code	Principal botanical name	Other botanical name(s)	Note
ZEAAA_MAY_EVE	*Zea mays* L. var. *everta* (Praecox) Sturt.	n.a.	ZEAAA_MAY_**GPO**	*Zea mays* L. subsp. *mays* Popcorn Group	*Zea mays* L. var. *everta* (Praecox) Sturt.; *Zea mays* L. convar. *microsperma* Koern.	Addition of new synonym previously under ZEAAA_MAY_MIC
ZEAAA_MAY_MIC	*Zea mays* L. convar. *microsperma* Koern.	n.a.	[to delete]	n.a.	n.a.	Principal botanical name added as other botanical name under *Z. mays* L. subsp. *mays* Popcorn Group
ZEAAA_MAY_SAC	*Zea mays* L. *saccharata* Koern.	n.a.	ZEAAA_MAY_**GSW**	*Zea mays* L. subsp. *mays* Sweet Corn Group	*Zea mays* var. *saccharata* (Sturtev.) L. H. Bailey; *Zea mays* L. *saccharata* Koern.	
ZEAAA_MAY_MAY	*Zea mays* L. subsp. *mays*	*Zea mays* var *ceratina* L.; *Zea mays* var. *indentata* (Sturtev.) L. H. Bailey; *Zea mays* var. *indurata* (Sturtev.) L. H. Bailey; *Zea mays* var. *saccharata* (Sturtev.) L. H. Bailey	ZEAAA_MAY_**GMA**	*Zea mays* L. subsp. *mays* Maize Group	*Zea mays* var *ceratina* L.; *Zea mays* var. *indentata* (Sturtev.) L. H. Bailey; *Zea mays* var. *indurata* (Sturtev.) L. H. Bailey; ~~*Zea mays* var. *saccharata* (Sturtev.) L. H. Bailey;~~ ~~*Zea mays* L. *saccharata* Koern.; *Zea mays* L. var. *everta* (Praecox) Sturt.;~~ ~~*Zea mays* L. convar. *microsperma* Koern.~~	Reduction of scope to delete Sweet Corn and Popcorn

26.   Contributors to the PLUTO database using UPOV code ZEAAA_MAY_MAY were contacted by the Office of the Union to confirm the allocation of UPOV codes, according to the current UPOV codes.

Other amendments to UPOV codes agreed by the TC In 2023

27.   The following UPOV codes were deleted and reclassified under "other botanical names" of valid taxa:

- CLEOM_HAS, CLEOM_SPI;
- EPIPH_ANG;
- CALAT_CRO, CALAT_LOE, CALAT_ROS, CALAT_WAR, CALAT_LRO;
- OSTEO_ECK, OSTEO_FRU, OSTEO_ECC;
- CASTL_TRA;
- BERBE_AQU, BERBE_EUR, BERBE_NIT, BERBE_PUM, BERBE_REP;
- DESCH_FLE;
- UNCIN, UNCIN_DIV, UNCIN_EGM, UNCIN_RUB and UNCIN_UNC.

[Annexes follow]

ANNEX I

REPORT ON DATA CONTRIBUTED TO PLUTO BY MEMBERS OF THE UNION AND OTHER CONTRIBUTORS

Contributor		Number of applications for PBR in 2023[3]	Number of new data submissions to PLUTO					
			2019	2020	2021	2022	2023	2024 (as of July 12, 2024)
African Intellectual Property Organization	OA	10	0	0	0	0	0	0
Albania	AL	0	0	0	0	0	0	0
Argentina	AR	425	3	0	7	30	17	10
Australia	AU	296	21	5	5	16	8	0
Austria	AT	0	5	4	0	0	3	1
Azerbaijan	AZ	24	0	0	0	0	0	0
Belarus	BY	25	0	1	0	0	1	1
Belgium	BE	3	4	3	5	0	4	4
Bolivia (Plurinational State of)	BO	6	0	1	0	0	1	0
Bosnia and Herzegovina	BA	0	0	0	0	0	0	0
Brazil	BR	397	11	3	2	9	8	7
Bulgaria	BG	21	10	3	0	6	6	3
Canada	CA	399	11	11	0	3	12	7
Chile	CL	91	4	5	3	4	6	4
China	CN	16,184	1	1	3	0	0	1
Colombia	CO	115	0	2	0	1	0	0
Costa Rica	CR	9	0	2	1	0	0	0
Croatia	HR	15	2	2	0	1	1	1
Czech Republic	CZ	45	7	9	0	4	6	2
Denmark	DK	5	10	10	0	0	0	3
Dominican Republic	DO	16	0	0	1	2	1	1
Ecuador	EC	90	0	1	1	0	0	0
Egypt	EG	73	0	-	-	1	2	1
Estonia	EE	3	6	3	0	2	4	3
European Union	QZ	2,866	9	7	2	9	7	5
Finland	FI	n/a	3	2	0	4	1	2
France	FR	117	12	8	0	8	9	4
Georgia	GE	13	0	0	1	0	1	0
Germany	DE	26	10	8	0	9	5	2
Ghana	GH	0	-	-	-	0	0	0
Hungary	HU	16	13	14	0	5	9	4
Iceland	IS	0	0	0	1	0	0	0
Ireland	IE	2	3	1	0	2	2	2
Israel	IL	71	0	1	0	2	1	0
Italy	IT	4	5	6	0	1	1	0
Japan	JP	591	1	2	1	0	0	0
Jordan	JO	7	0	0	1	0	0	0
Kenya	KE	103	0	0	1	0	1	0
Kyrgyzstan	KG	2	0	0	1	0	0	0
Latvia	LV	16	1	2	0	2	0	0
Lithuania	LT	5	5	4	0	2	1	1
Mexico	MX	230	0	4	1	2	2	3
Montenegro	ME	0	0	0	0	0	0	0
Morocco	MA	73	0	1	1	1	0	0
Netherlands	NL	856	12	12	0	7	11	4
New Zealand	NZ	118	6	7	3	6	6	3
Nicaragua	NI	59	0	1	1	1	0	0

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[3] see document C/58/7

Highlighted in grey indicates data provided via the CPVO.

Contributor		Number of applications for PBR in 2023[3]	Number of new data submissions to PLUTO					
			2019	2020	2021	2022	2023	2024 (as of July 12, 2024)
North Macedonia	MK	n/a	0	0	0	0	0	0
Norway	NO	15	7	3	0	4	3	1
Oman	OM	0	0	0	1	0	0	0
Panama	PA	0	0	0	0	0	1	0
Paraguay	PY	42	0	0	1	2	1	0
Peru	PE	28	1	0	1	1	2	0
Poland	PL	159	3	4	0	2	4	4
Portugal	PT	0	1	4	0	0	3	1
Republic of Korea	KR	625	3	1	1	0	0	1
Republic of Moldova	MD	17	2	2	3	1	1	0
Romania	RO	33	5	4	0	1	3	1
Russian Federation	RU	852	3	1	1	0	0	0
Serbia	RS	20	1	2	2	1	3	1
Singapore	SG	4	0	0	0	0	0	0
Slovakia	SK	6	4	3	0	0	2	2
Slovenia	SI	1	3	2	0	2	2	1
South Africa	ZA	318	3	0	1	0	0	0
Spain	ES	51	4	8	0	7	5	2
Sweden	SE	0	8	9	0	7	5	4
Switzerland	CH	57	6	8	1	3	7	4
Trinidad and Tobago	TT	0	0	0	0	0	0	0
Tunisia	TN	15	0	0	0	0	0	0
Turkey	TR	233	1	0	0	0	1	0
Ukraine	UA	768	5	0	0	0	6	10
United Kingdom	GB	819	8	8	0	7	7	7
United Republic of Tanzania	TZ	8	0	0	0	0	0	0
United States of America	US	305	12	10	0	13	1	8
Uruguay	UY	55	0	1	1	1	1	0
Uzbekistan	UZ	95	0	0	1	0	0	0
Viet Nam	VN	201	0	0	0	1	0	3
OECD	QM	-	2	2	0	0	1	1
Total		**28,154**	**257**	**218**	**56**	**193**	**196**	**130**

ANNEX II
[In English only]

TC PROPOSAL TO THE TWF FOR AMENDING THE UPOV CODES FOR CITRUS AND RELATED GENERA AND SPECIES

Entries in PLUTO	UPOV TG	Current UPOV code / name	UPOV code	Valid botanical name	Other botanical name(s)	Common Name EN	Common Name FR	Common Name DE	Common Name ES
0		CITRO_NTR (hybrids between Citrus nobilis Lour. and Poncirus trifoliata (L.) Raf.)	**To Discuss**			none	none	none	none
0		FOPON	**To Discuss**	CITRUS × CITRUS		none	none	none	none
0		FOPON_TRI	**To Discuss**	Citrus × Citrus trifoliata L.		none	none	none	none
5		CITRU_AUS	CITRU_AUS	Citrus australasica F. Muell.		Australian finger-lime; Finger-lime	none	none	none
0	TG/201	CITRU_CAV	CITRU_CAV	Citrus cavaleriei H. Lév. ex Cavalerie		Ichang papeda	none	none	none
0		FORTU_OBO	to discuss	CITRUS Hybr.		Changshou kumquat	none	none	none
~~0~~	~~TG/203~~	~~CITRU_KER~~	~~CITRU_HYS~~	*Citrus ~~hystrix~~ DC.*	*Citrus hyalopulpa Tanaka; Citrus ~~kerrii~~ (Swingle) Tanaka*	~~none~~	none	~~none~~	~~none~~
0		CITRU_INO	CITRU_INO	*Citrus inodora F. M. Bailey*		North Queensland-lime; Russell River-lime	none	none	none
0		FORTU_CRA				meiwa kumquat	none	none	none
0		FORTU_HIN				golden-bean kumquat, Hong Kong kumquat	none	none	none
0	TG/201	FORTU_JAP	CITRU_JAP	Citrus japonica Thunb	Fortunella japonica (Thunb.) Swingle; Citrus madurensis Lour.	marumi kumquat; marumi kumquat, round cumquat, round cumquat; round cumquat; round cumquat	none	none	none
2		FORTU_MAR				none	none	none	none
14	TG/204	CITRU_MAX	CITRU_MAX	*Citrus maxima (Burm.) Merr. (Citrus Pummelo Group)*	*Citrus grandis Osbeck; Citrus pseudograndis ; Citrus truncata ; Citrus panuban (Wester) Tanaka*	Pomelo; Pomelo ; Pummelo; Shaddock; Shaddock	none	none	Toronja
0	TG/204	CITRU_PAN	CITRU_MED				none	none	
7		CITRU_MED		*Citrus medica L. (Citrus Citron Group)*		Citron	none	none	none
0	TG/203	CITRU_MON Citrus montana (Wester) Tanaka	CITRU_MON	*Citrus montana (Wester) Tanaka*		none	none	none	none
0	TG/202	CITRU_OBL (Citrus oblonga hort. Ex Yu. Tanaka)	CITRU_OBL	*Citrus oblonga hort. Ex Yu. Tanaka*		none	none	none	none
0	TG/203	CITRU_PAP (Citrus papaya Hassk.)	CITRU_PAP	*Citrus papaya Hassk*		none	none	none	none
0	TG/203	CITRU_PSM (Citrus pseudolimonum Wester)	CITRU_PSM	*Citrus pseudolimonum Wester*		none	none	none	none
0	TG/202	CITRU_PSS (Citrus pseudopapillaris Tanaka)	CITRU_PSS	*Citrus pseudopapillaris Tanaka*		none	none	none	none
0		CITRU_RPC (Citrus reticulata Hort Ex. Tan. x (Citrus paradisi Macf x Citrus tangerina Hort. Ex. Tan.) x Citrus clementina Hort. Ex. Tan)	CITRU_RCA	*Citrus reticulata Blanco × (Citrus ×aurantium L. var. racemosa (Risso) ined. × Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined.) × Citrus ×aurantium L.*	*Citrus reticulata Hort Ex. Tan. x (Citrus paradisi Macf x Citrus tangerina Hort. Ex. Tan.) x Citrus clementina Hort. Ex. Tan*	none	none	none	none
~~0~~	~~TG/201~~	~~CITRU_BEN~~	~~CITRU_RET~~	*Citrus ~~reticulata~~ Blanco (Citrus Mandarin Orange Group)*		~~none~~	none	~~none~~	~~none~~
526	TG/201	CITRU_RET	CITRU_RET	``	Citrus benikoji hort. ex Tanaka	Tangerine	none	none	Mandarina Ponkan
0		CITRU_TST (Citrus reticulata Blanco x C. sinensis (L.) Osbeck X C. temple)	CITRU_RSC	*Citrus reticulata Blanco × Citrus ×aurantium L. var. sinensis L. × Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined.*	*Citrus reticulata Blanco x Citrus sinensis (L.) Osbeck X Citrus temple*	none	none	none	none
5	TG/202	CITRU_SIO	CITRU_SIO	*Citrus sinograndis hort. ex Yu. Tanaka*		none	none	none	none
0	TG/202	CITRU_TAK (Citrus tankan Hayata)	CITRU_TAK	*Citrus tankan Hayata*		none	none	none	none
36		PONCI_TRI	CITRU_TRI	*Citrus trifoliata L.*	Poncirus trifoliata (L.) Raf.	Japanese bitter-orange; hardy orange; trifoliate-orange	none	none	naranjo trébol

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0	TG/201	CITRU_AMB	CITRU_AMB	*Citrus ×amblycarpa* (Hassk.) Ochse		Nasnaran mandarin	none	none	none
0	TG/203	CITRU_AUA				none	none	none	none
~~14~~	~~TG/203~~	~~CITRU_AUR~~	CITRU_AUR	*Citrus ×aurantiifolia* (Christm.) Swingle (Citrus Lime	~~*Citrus ×javanica* Blume; *Citrus aurata* Risso; *Citrus davaoensis* (Wester) Tanaka; *Citrus excelsa* Wester; *Citrus macrophylla* Wester~~	~~Lime; Mexican Lime~~	none	none	~~Lima mexicana; Limón mexicano~~
~~0~~	~~TG/203~~	~~CITRU_DAV~~			-	~~none~~	none	none	~~none~~
~~0~~	~~TG/203~~	~~CITRU_EXC~~			-	~~none~~	none	none	~~none~~
0		CITRU_MAR				colo	none	none	none
12		CITRU_AUM	CITRU_AUM	*Citrus ×aurantium* L. (Citrus Sour Orange Group)	*Citrus clementina* hort. ex Tanaka; *Citrus crenatifolia* Lush.; *Citrus flavicarpa* hort. ex Tanaka; *Citrus hainanensis* Tanaka; *Citrus intermedia* hort. ex Tanaka; *Citrus maderaspatana* hort. ex Tanaka; *Citrus pseudogulgul* hort. ex Shirai; *Citrus shunkokan* hort. ex Tanaka; *Citrus taiwanica* Tanaka & Y. Shimada; *Citrus tamurana* hort. ex Tanaka; Hybrids between *Citrus reticulata* and *Citrus paradisi*; *Citrus x tangelo* J. W. Ingram & H. E. Moore; *Citrus yamabuki* hort. ex Yu. Tanaka	Bigarade; Bitter orange; Seville orange; Sour orange	none	none	Naranja agria; Naranja amarga
~~127~~	~~TG/201~~	~~CITRU_CLE~~			-	~~Clementine~~	none	none	
~~0~~	~~TG/201~~	~~CITRU_CRE~~				~~none~~	none	none	~~none~~
0	TG/204	CITRU_FLA				none	none	none	none
0	TG/201	CITRU_HAI				none	none	none	none
~~0~~	~~TG/204~~	~~CITRU_INT~~				~~none~~	none	none	~~none~~
0	TG/202	CITRU_MAD				guntur sour orange; kichili	none	none	none
0	TG/204	CITRU_PSE				none	none	none	none
0	TG/202	CITRU_SHU				none	none	none	none
0	TG/202	CITRU_TAI				none	none	none	none
0	TG/202	CITRU_TAM				none	none	none	none
16	TG/201	CITRU_TNG				tangelo; uglifruit	none	none	none
0	TG/204	CITRU_YAM				none	none	none	none
0	TG/202	CITRU_FUN	CITRU_AUM_AUM	*Citrus ×aurantium* L. var. *aurantium* (Citrus Sour Or	*Citrus funadoko* hort. ex Yu. Tanaka; *Citrus myrtifolia* Raf.	none	none	none	none
0	TG/202	CITRU_MYR				myrtle-leaf orange	none	none	naranja mirtifolia
79	TG/201	CITRU_DEL			*Citrus deliciosa* Ten.; *Citrus lycopersiciformis* (Lush.) hort. ex Tanaka; *Citrus nobilis* Lour. x *Citrus deliciosa* Ten; Citrus nobilis Lour.; *Citrus oto* hort. ex Yu. Tanaka; *Citrus paratangerina* hort. ex Tanaka; *Citrus papillaris* Blanco; *Citrus platymamma* hort. ex Tanaka; *Citrus pseudosunki* hort. ex Tanaka; *Citrus reshni* hort. ex Tanaka; *Citrus suavissima* hort. ex Tanaka; *Citrus succosa* hort. ex Tanaka; *Citrus suhuiensis* hort. ex Tanaka; *Citrus sunki* (Hayata) hort. ex Tanaka; *Citrus tardiva* hort. ex Shirai; *Citrus tangerina* Tanaka; *Citrus tarogayo* hort. ex Yu. Tanaka; *Citrus tardiferax* hort. ex Tanaka; *Citrus temple* hort. ex Yu. Tanaka; *Citrus tumida* hort. ex Tanaka; *Citrus unshiu* Marcow.; *Citrus yatsushiro* hort. ex Tanaka, Citrus nobilis Lour. x *Citrus tangerina* Hort ex Tan, *Citrus nobilis × Citrus temple*	Italian tangerine; Mediterranean mandarin; Willow-leaf mandarin	none	none	Mandarina; Mandarina común

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0	TG/201	CITRU_LYC	CITRU_AUM_CHR	*Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined		none	none	none	none
0		CITRU_NDE				none	none	none	none
0	TG/201	CITRU_NOB				King of Siam; king orange; tangor	none	none	none
0	TG/201	CITRU_PAA				ladoo; ladu	none	none	none
0	TG/202	CITRU_PAI				none	none	none	none
0	TG/201	CITRU_PLA				none	none	none	none
0	TG/201	CITRU_PSK				none	none	none	none
2	TG/201	CITRU_RES				Cleopatra mandarin; Spice mandarin	none	none	none
0	TG/201	CITRU_SUA				none	none	none	none
0	TG/201	CITRU_SUC				jimikan mandarin	none	none	none
0	TG/201	CITRU_SUH				none	none	none	none
0	TG/201	CITRU_SUN				sour mandarin; sunki mandarin	none	none	none
0	TG/201	CITRU_TAD				none	none	none	none
1	TG/201	CITRU_TAN				dancy tangerine; tangerine	none	none	none
0	TG/201	CITRU_TAO				none	none	none	none
0	TG/201	CITRU_TAR				none	none	none	none
0	TG/201	CITRU_TEM				temple orange	none	none	none
0	TG/201	CITRU_TUM				none	none	none	none
137	TG/201	CITRU_UNS				Satsuma mandarin; Satsuma orange	none	none	none
0	TG/201	CITRU_YAT				none	none	none	none
0	TG/201	CITRU_TPA (Citrus temple hort. ex Yu. Tanaka X Citrus ×paradisi Macfad. Notho)	CITRU_CRA	*Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined. × *Citrus ×aurantium* L. var. *racemosa* (Risso) ined.	*Citrus temple* hort. ex Yu. Tanaka X *Citrus ×paradisi* Macfad. Notho	none	none	none	none
2		CITRU_USU ((Citrus unshiu x C. sinensis) x C. unshiu)	CITRU_CSC	*Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined. × *Citrus ×aurantium* L. var. *sinensis* L.) × *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined.	((*Citrus unshiu x Citrus sinensis) x Citrus unshiu*)	none	none	none	none
0	TG/204	CITRU_GLA	CITRU_AUM_RAC	*Citrus ×aurantium* L. var. *racemosa* (Risso) ined.	*Citrus glaberrima* hort. ex Tanaka; *Citrus hassaku* hort. ex Tanaka; *Citrus hiroshimana* hort. ex Yu. Tanaka; *Citrus iwaikan* hort. ex Yu. Tanaka; *Citrus kotokan* Hayata; *Citrus medioglobosa* hort. ex Tanaka; *Citrus miaray* Wester; *Citrus natsudaidai* Hayata; *Citrus obovoidea* hort. ex I. Takah.; *Citrus otachibana* hort. ex Yu. Tanaka; *Citrus mitsuharu* Hort. ex Yu. Tanaka; *Citrus omikanto* hort. ex Yu. Tanaka; *Citrus tosa-asahi* hort. ex Yu. Tanaka; *Citrus x paradisi* Macfad.; *Citrus yuge-hyokan* hort. ex Yu. Tanaka; *Citrus pseudoparadisi* hort. ex Yu. Tanaka; *Citrus rugulosa* hort. ex Tanaka; *Citrus sulcata* hort. ex I. Takah.; *Citrus ujukitsu* Tanaka	none	none	none	none
0	TG/204	CITRU_HAS				hassaku orange	none	none	none
0	TG/204	CITRU_HIR				none	none	none	none
0	TG/204	CITRU_IWA				none	none	none	none
0	TG/204	CITRU_KOT				none	none	none	none
0	TG/204	CITRU_MEI				Naruto orange	none	none	none
0	TG/204	CITRU_MIA				none	none	none	none

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0	TG/204	CITRU_NAT				Japanese summer grapefruit	none	none	pomelo japonés de verano
0	TG/204	CITRU_OBO				kinkoji	none	none	none
0	TG/204	CITRU_OTA				none	none	none	none
51	TG/204	CITRU_PAR				Grapefruit	none	none	Pomelo; Pummelo; Toronja
0	TG/204	CITRU_PSI				none	none	none	none
0	TG/204	CITRU_RUG				none	none	none	none
0	TG/204	CITRU_SUL				none	none	none	none
0	TG/202	CITRU_UJU				none	none	none	none
0	TG/201	CITRU_GEN	CITRU_AUM_SIN	*Citrus ×aurantium* L. var. *sinensis* L.	*Citrus genshokan* (Hayata) hort. ex Tanaka; *Citrus iyo* hort. ex Tanaka; *Citrus sinensis* (L.) Osbeck; *Citrus sinensis* (L.) Pers.; *Citrus tengu* hort. ex Tanaka	none	none	none	none
0	TG/202	CITRU_IYO				none	none	none	none
450	TG/202	CITRU_SIN				Sweet Orange	none	none	Naranjo dulce
0	TG/204	CITRU_TEN				none	none	none	none
0	TG/201	CITRU_DEP	CITRU_DEP	*Citrus ×depressa* Hayata		none	none	none	none
4	TG/203	CITRU_JAM	CITRU_JAM	*Citrus ×granulata* Raf.	*Citrus jambhiri* Lush.	Citronelle; Jamberi; Jambhiri-orange; Mazoe lemon; Rough lemon	none	none	Limón rugoso; Rugoso
0	TG/201	CITRU_INF	CITRU_INF	*Citrus ×inflata* hort. ex Tanaka			none	none	
8		CITRO	CITRU_NST	*Citrus ×insitorum* Mabb.	*Citrus × Poncirus; ×Citroncirus* J. W. Ingram & H. E. Moore; ×Citroncirus webberi J. W. Ingram & H. E. Moore; Citrus sinensis × Poncirus trifoliata	none	none	none	none
21		CITRO_WEB				Citrange	none	none	none
6		CITRU_JUN	CITRU_JUN	*Citrus ×junos* Siebold ex Tanaka (Citrus Yuzu Group	*Citrus junos* Sieb ex Tanaka	Yuzu	none	none	Yuzu
5	TG/203	CITRU_LAT	CITRU_LAT	*Citrus ×latifolia* (Yu. Tanaka) Tanaka		Bearss lime; Khasi papeda; Persian lime; Tahiti lime	none	none	Limón Pesa
0	TG/201	CITRU_LEI	CITRU_LEI	*Citrus ×leiocarpa* hort. ex Tanaka		none	none	none	none
~~0~~	~~TG/203~~	~~CITRU_BAL~~				~~balotin bergamot~~	none	~~0~~	~~none~~
~~0~~	~~TG/203~~	~~CITRU_KAR~~				~~karna~~	none	~~0~~	~~none~~
1	TG/203	CITRU_LIE				limetta of the Mediterranean; sweet lemon	none	none	lima; limero dulce
223	TG/203	CITRU_LIM	CITRU_LIM	*Citrus ×limon* (L.) Osbeck (Citrus Rangpur Lime Gro	*Citrus limon* (L.) Burm. f.; *Citrus ×limon* (L.) Osbeck; *Citrus medica* var. *limon* L.; *Citrus rissoi* Risso; *Citrus ×limonia* Osbeck; *Citrus ×mellarosa* Risso; *Citrus ×volkameriana* (Risso) V. Ten. & Pasq.; *Citrus balotina* Poit. & Turpin; *Citrus karna* Raf.; *Citrus limetta* Risso; *Citrus meyeri* Yu. Tanaka	Lemon; lemon	none	none	Limonero; Limón; limonero; limón
2	TG/203	CITRU_MEY				Chinese dwarf lemon; Meyer lemon; dwarf lemon	none	none	none
2	TG/203	CITRU_BER	CITRU_BER	*Citrus ×limon* (L.) Osbeck var. *bergamia* (Loisel.) in	*Citrus bergamia* Risso & Poit.	bergamot orange	none	none	bergamoto
0		CITRU_LOI	CITRU_LOI	*Citrus ×longispina* Wester		none	none	none	none

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1	TG/203	CITRU_LMT	CITRU_LUM	*Citrus ×lumia* Risso		Indian sweet lime, Palestine sweet lemon, Palestine sweet lime, sweet lime	none	none	lima dulce de India, lima dulce de Palestina
0	TG/203	CITRU_LUM			Citrus limettioides Tanaka; Citrus pyriformis Hassk.	none	none	none	none
0		CITRU_PYR				none	none	none	none
0	TG/203	CITRU_MEG	CITRU_MEG	*Citrus ×megaloxycarpa* Lush.		sour pummelo	none	none	none
0		CITFO_MIC	CITRU_MIC	*Citrus ×microcarpa* Bunge	*Citrus madurensis* auct.; *Citrus microcarpa* Bunge; *Citrus mitis* Blanco; *Citrus reticulata × Fortunella japonica* ; X *Citrofortunella mitis* (Blanco) J. W. Ingram & H. E. Moore; ×*Citrofortunella microcarpa* (Bunge) Wijnands	China-orange; Panama-orange; Philippine-lime; calamandarin; calamondin; calamonding; golden-lime; musk-lime	none	none	naranjita de San José
0	TG/201	CITRU_NIP	CITRU_NIP	*Citrus ×nippokoreana* Tanaka		Korai tachibana mandarin	mandarinier	none	none
0		PONCI_POL	CITRU_PLY	*Citrus ×polytrifolia* Govaerts		none	none	none	none
0	TG/202	CITRU_ROK	CITRU_ROK	*Citrus ×rokugatsu* hort. ex Yu. Tanaka		none	none	none	none
0		FORTU_POL	CITRU_SWI	Citrus ×swinglei Burkill ex Harms	Fortunella polyandra (Ridl.) Tanaka	Malayan kumquat	none	none	none
0	TG/203	CITRU_WEB	CITRU_WEB	*Citrus ×webberi* Wester		kalpi	none	none	none
0	TG/201	CITRU_YUK	CITRU_YUK	*Citrus ×yuko* hort. ex Tanaka		none	none	none	none
1		CITFO (×Citrofortunella J. W. Ingram & H. E. Moore)	CITRU	*Citrus* L.		none	none	none	none
16		FORTU	CITRU	*Citrus* L.		Kumquat	Kumquat	Kumquat	Kumquat
1		PONCI	CITRU	*Citrus* L.	Poncirus Raf.	none	none	none	none
0		CITRO_ATR (Citrus aurantium L. × Poncirus trifoliata (L.) Raf.)	CITRU_ATR	Hybrids between *Citrus ×aurantium* L. and *Citrus tri*	*Citrus aurantium* L. × *Poncirus trifoliata* (L.) Raf	none	none	none	none
0		CITRU_CUN (Citrus cavaleriei H. Lév. ex Cavalerie x C. unshiu (Mak.) Marc.)	CITRU_CAC	Hybrids between *Citrus cavaleriei* H. Lév. ex Cavalerie and *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined.	*Citrus cavaleriei* H. Lév. ex Cavalerie x *Citrus unshiu* (Mak.) Marc.	none	none	none	none
0		CITRU_CET (Citrus cavaleriei H. Lév. ex Cavalerie x C. reticulata Blanco)	CITRU_CET	Hybrids between *Citrus cavaleriei* H. Lév. ex Cavalerie and *Citrus reticulata* Blanco		none	none	none	none
0		CITRU_IAU (Citrus inodora × Citrus australasica)	CITRU_IAU	Hybrids between *Citrus inodora* and *Citrus australasica* F. Muell.		none	none	none	none
2		CITRO_LTR (Citrus latipes (Swingle) Tanaka x Poncirus trifoliata (L.) Raf.)	CITRU_LTR	Hybrids between *Citrus latipes* (Swingle) Tanaka and *Citrus trifoliata* L.	CITRO_LTR (*Citrus latipes* (Swingle) Tanaka x *Poncirus trifoliata* (L.) Raf.)	none	none	none	none
~~20~~		~~CITRU_MRE (Citrus maxima X Citrus reticulata)~~	~~CITRU_MRE~~	~~Hybrids between *Citrus maxima* (Burm.) Merr. and *Citrus reticulata* Blanco~~		~~none~~	~~none~~	~~none~~	~~none~~
1		CITRU_MLA ((Citrus medica x Citrus limon) x Citrus aurantiifolia)	CITRU_MLA	Hybrids between *Citrus medica* L. , *Citrus ×limon* (L.) Osbeck) and *Citrus ×aurantiifolia* (Christm.) Swingle		none	none	none	none
0		CITRU_MLI (Citrus medica x Citrus limon)	CITRU_MLI	Hybrids between *Citrus medica* L. and *Citrus ×limon* (L.) Osbeck		none	none	none	none
0	TG/201	CITFO_RHI (Citrus reticulata x Fortunella hindsii)	CITRU_RJA	Hybrids between *Citrus reticulata* Blanco and *Citrus japonica* Thunb.	*Citrus reticulata* x Fortunella hindsii)	none	none	none	none
1		CITRU_RDE (Citrus reticulata x Citrus deliciosa)	CITRU_ECH	Hybrids between *Citrus reticulata* Blanco and *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined.		none	none	none	none
1		CITRU_RAU (Citrus reticulata Blanco × Citrus australasica F. Muell.)	CITRU_RAU	Hybrids between Citrus reticulata Blanco and Citrus australasica F. Muell.		none	none	none	none
10		CITRO_RTR (Citrus reticulata Blanco × Poncirus trifoliata (L.) Raf.)	CITRU_ETR	Hybrids between *Citrus reticulata* Blanco and *Citrus trifoliata* L.	*Citrus reticulata* Blanco × *Poncirus trifoliata* (L.) Raf.	Citrandarin	Citrandarin	none	none

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13		CITRU_RCL (Citrus reticulata Blanco x Citrus clementina hort. ex Tanaka)	CITRU_EUR	Hybrids between *Citrus reticulata* Blanco and *Citrus ×aurantium* L.	*Citrus reticulata* Blanco x *Citrus clementina* hort. ex Tanaka	none	none	none	none
33	TG/201	CITRU_RSI (Hybrids between Citrus reticulata Blanco and Citrus sinensis (L.) Osbeck)	CITRU_RUR	Hybrids between *Citrus reticulata* Blanco and *Citrus ×aurantium* L. var. sinensis L.	Hybrids between *Citrus reticulata* Blanco and *Citrus sinensis* (L.) Osbeck	Tangor	Tangor	Tangor	Tangor
0		CITRO_TLI (Hybrids between Poncirus trifoliata and Citrus limon)	CITRU_TLI	Hybrids between *Poncirus trifoliata* L. and *Citrus ×limon* (L.) Osbeck	Hybrids between *Poncirus trifoliata* and *Citrus limon*	none	none	none	none
0		CITRU_ALA (hybrids between Citrus aurantium L. and Citrus latipes (Swingle))	CITRU_ALA	Hybrids between *Citrus ×aurantium* L. and *Citrus latipes* (Swingle) Tanaka		none	none	none	none
0		CITRU_CTA (Citrus clementina Hort ex. Tan. x Citrus tangerina Hort ex. Tan)	CITRU_RCR	Hybrids between *Citrus ×aurantium* L. and *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined.	*Citrus clementina* Hort. ex. Tan. x *Citrus tangerina* Hort. ex. Tan	none	none	none	none
1		CITRU_CPA (Citrus clementina hort. ex Tanaka. x C. paradisi Macfad.)	CITRU_AAR	Hybrids between *Citrus ×aurantium* L. and *Citrus ×aurantium* L. var. *racemosa* (Risso) ined.	*Citrus clementina* hort. ex Tanaka. x *Citrus paradis*i Macfad	none	none	none	none
3		CITRO_HTR (Citrus reshni hort. ex Tanaka × Poncirus trifoliata (L.) Raf.)	CITRU_HTR	Hybrids between *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined. and *Citrus trifoliata* L.	*Citrus reshni* hort. ex Tanaka × *Poncirus trifoliata* (L.) Raf.); Hybrids between Citrus nobilis Lour. and Poncirus trifoliata (L.) Raf.; Hybrids between *Citrus sunki* (Hayata) hort. ex Tanaka and *Poncirus trifoliata* (L.) Raf.	none	none	none	none
0		CITRO_HTS (Citrus reshni hort. ex Tanaka × Poncirus trifoliata (L.) Raf. × Citrus sinensis (L.) Osbeck)	CITRU_HTS	Hybrids between *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined., × *Citrus trifoliata* L. and *Citrus ×aurantium* L. var. *sinensis* L.	*Citrus reshni* hort. ex Tanaka × *Poncirus trifoliata* (L.) Raf. × *Citrus sinensis* (L.) Osbeck	none	none	none	none
0	TG/203	CITRU_PTA (Citrus paradisi Macf. x Citrus tangerina Hort. Ex. Tan.)	CITRU_RCH	Hybrids between *Citrus ×aurantium* L. var. *racemosa* (Risso) ined. and *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined.	*Citrus paradisi* Macf. x *Citrus tangerina* Hort. Ex. Tan.	none	none	none	none
1		CITRU_PMA (Hybrids between Citrus paradisi and Citrus maxima)	CITRU_RMA	Hybrids between *Citrus ×aurantium* L. var. *racemosa* (Risso) ined. and *Citrus maxima* (Burm.) Merr.	Hybrids between *Citrus paradisi* and *Citrus maxima*	none	none	none	none
8		CITRO_PTR (Citrus ×paradisi Macfad. × Poncirus trifoliata (L.) Raf.)	CITRU_RTR	Hybrids between *Citrus ×aurantium* L. var. *racemosa* (Risso) ined. and *Citrus trifoliata L.*	*Citrus ×paradisi* Macfad. × *Poncirus trifoliata* (L.) Raf.	Citrumelo	Citrumelo	none	none
1		CITRU_SCL (Hybrids between Citrus sinensis and Citrus clementina)	CITRU_SAU	Hybrids between *Citrus ×aurantium* L. var. *sinensis* L. and *Citrus ×aurantium* L.	Hybrids between *Citrus sinensis* and *Citrus clementina*	none	none	none	none
0		CITRU_CPT (hybrids between Citrus ×clementina hort. ex Tanak, Citrus ×paradisi Macfad. and Citrus ×tangerina Tanaka)	CITRU_AAA	Hybrids between *Citrus ×aurantium* L., *Citrus ×aurantium* L. var. *racemosa* (Risso) ined. and *Citrus ×aurantium* L. var. *chrysocarpa* (Hassk.) ined.	hybrids between *Citrus ×clementina* hort. ex Tanak, *Citrus ×paradis*i Macfad. and *Citrus ×tangerina* Tanaka	none	none	none	none
0		CITRO_JTR (Citrus jambhiri Lush. × Poncirus trifoliata (L.) Raf.)	CITRU_JTR	Hybrids between *Citrus ×granulata* Raf. and *Citrus trifoliata* L.	*Citrus jambhiri* Lush. × *Poncirus trifoliata* (L.) Raf.	none	none	none	none
0	TG/203	CITRU_LAU (Citrus limon (L.) Burm. x C. aurantiifolia (Christm.) Swing.)	CITRU_LAU	Hybrids between *Citrus ×limon* (L.) Osbeck and *Citrus ×aurantiifolia* (Christm.) Swingle		none	none	none	none
32		CITRO_CTR (Citrus clementina × Poncirus trifoliata)	CITRU_ATR			none	none	none	none
0		CITRU_NTA (Citrus nobilis Lour. x C. tangerina Hort ex Tan)	CITRU_AUM_CHR			none	none	none	none
0		CITRU_NTE (Citrus nobilis × Citrus temple)	CITRU_AUM_CHR			none	none	none	none
0	TG/201	CITRU_OTO	CITRU_AUM_CHR			none	none	none	none
0		CITRO_STR (hybrids between Citrus sunki (Hayata) hort. ex Tanaka and Poncirus trifoliata (L.) Raf.)	CITRU_HTR			none	none	none	none
1	TG/201	CITRU_MCA (hybrids between Citrus maxima (Burm.) Merr. and Citrus cavaleriei H. Lév. ex Cavalerie)	CITRU_MCA			none	none	none	none
2		CITRO_HYB (×Citroncirus hybr.)	**To Discuss**			none	none	none	none
0	TG/204	CITRU_AMP (Citrus ampullacea hort. ex Tanaka)	**To Discuss**			none	none	none	none
0	TG/204	CITRU_ASA (Citrus asahikan hort. ex Tanaka)	**To Discuss**			none	none	none	none

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0	TG/203	CITRU_ASS (Citrus assamensis S. Dutta & S. C. Bhattac	**To Discuss**			none	none	none	none
0	TG/204	CITRU_AUC (Citrus aurantiaca hort. ex Tanaka)	**To Discuss**			none	none	none	none
0	TG/202	CITRU_AUE (Citrus aurea hort. ex Tanaka)	**To Discuss**			none	none	none	none
0	TG/202	CITRU_CAN (Citrus canaliculata hort. ex Yu. Tanaka)	**To Discuss**			kikudaidai	none	none	none
0	TG/203	CITRU_LON (Citrus longilimon Tanaka)	**To Discuss**			none	none	none	none
0	TG/203	CITRU_MAC (Citrus macrolimon Tanaka)	**To Discuss**			colo	none	none	none
0	TG/203	CITRU_PSN (Citrus pseudolimon Tanaka)	**To Discuss**			gulgal; hill-lemon	none	none	none

[End of Annex II and of document]