

**Technical Working Party for Ornamental Plants and Forest Trees**  
 Fifty-Seventh Session  
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**TWP/9/2**

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**Technical Working Party on Testing Methods and Techniques**  
 Third Session  
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**Technical Working Party for Vegetables**  
 Fifty-Ninth Session  
 Virtual meeting, May 5 to 8, 2025

**Technical Working Party for Agricultural Crops**  
 Fifty-Fourth Session  
 Arusha, United Republic of Tanzania, May 19 to 22, 2025

**Technical Working Party for Fruit Crops**  
 Fifty-Sixth Session  
 Bursa, Türkiye, June 23 to 26, 2025

**UPOV INFORMATION DATABASES**

*Document prepared by the Office of the Union*

*Disclaimer: this document does not represent UPOV policies or guidance*

**EXECUTIVE SUMMARY**

1. The purpose of this document is to report developments and present proposals on the “Genera and Species Database” (GENIE database) and UPOV codes for the *Citrus* complex.

How to identify UPOV members with experience and cooperation in DUS examination

2. This document presents a proposal to discontinue the section on “Cooperation in examination” in the GENIE database. The proposal is aimed at acknowledging the preferred use by UPOV members of information available in the GENIE database under “Practical experience in DUS examination”. The proposal to discontinue the section on “Cooperation in examination” would increase efficiency for UPOV members providing data and streamline searches using information on “Practical experience in DUS examination”.

UPOV Codes: Reclassification of *Citrus*, ×*Citroncirus*, *Fortunella* and *Poncirus* taxa

3. This document presents a proposal to revise UPOV codes for genera and species of the *Citrus* complex which are no longer recognized as valid botanical names, including the several *Citrus* species and the genera ×*Citroncirus*, *Fortunella* and *Poncirus*.

4. The Technical Working Party for Fruit Crops (TWF) is invited to consider the proposed list of UPOV codes to be deleted and the UPOV codes to be used for genera and species no longer recognized as valid botanical names, as provided in Annex I to this document.

5. The structure of this document is as follows:

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6. The following abbreviations are used in this document:

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

#### GENIE DATABASE: COOPERATION IN DUS EXAMINATION

7. The following section presents a proposal to streamline the “Genera and Species Database” (GENIE Database) by discontinuing the section on “Cooperation in DUS Examination”. This would encompass the declarations on existence of formal cooperation agreements for DUS examination on behalf of other UPOV members; and declarations on the use of DUS test reports provided by other UPOV members.

8. Discontinuing the section on “Cooperation in DUS Examination” would allow focusing support identifying experience in DUS examination through a single mechanism in the GENIE database, where members provide information on the different crops they have experience (“Practical experience in DUS examination”).

#### Background:

9. The TC, at its sixtieth session<sup>1</sup>, agreed that members sought cooperation in DUS examination directly with authorities with experience in examination of the crops of their interest. The TC agreed that information in the GENIE database and the Council document “Cooperation in Examination” was outdated and could possibly be discontinued.

10. Discontinuing the “Cooperation in DUS Examination” part of the GENIE Database would not affect the provision of information on “Practical experience in DUS examination”, which would continue to be collected and searchable online in the GENIE database, as well as in printable format in the TC document “List of genera and species for which authorities have practical experience in the examination of DUS” (see [document TC/60/4](#)).

#### Reports on cooperation in DUS examination: data collection and publications

11. UPOV members are periodically invited to provide and update information on cooperation in DUS examination. The information is to be provided in spreadsheets, as follows:

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<sup>1</sup> Technical Committee, sixtieth session, held in Geneva on October 21 and 22, 2024. See document TC/60/8 “Report”, paragraph 40

COOPERATION IN EXAMINATION UPDATE (b) ADDITIONS

Authority providing information:								
		column 2	column 3		column 4	column 5		
		AGREEMENTS FOR COOPERATION IN EXAMINATION			UTILIZATION OF EXISTING DUS REPORTS			
Botanical name	UPOV CODE	Offering authority/ examination office	Authorities receiving examination reports	Note (e.g. fruit varieties)	Utilizing authority	Providing authority/ examination office	Note (e.g. fru	

12. The information is compiled and organized to be presented in the Council document “[Cooperation in Examination](#)”. The document provides “general notes” and a list of genera and species with the authorities that carry out examination on behalf or utilize DUS reports provided by other authorities, as follows:

GENERAL NOTES	
<u>Providing/Accepting existing DUS reports</u>	
(a)	The following authorities have an agreement with Japan to provide and accept existing DUS reports for any taxa on request: Australia, Brazil, Canada, European Union, Israel, Kenya, Mexico, Netherlands, New Zealand, Peru, Russian Federation, Singapore, Switzerland, Türkiye and Viet Nam.
(b)	The following authorities have agreements with Kenya to provide and accept existing DUS reports for any taxa on request: Israel, New Zealand, Republic of Korea and United Republic of Tanzania.
(c)	The following authorities have an understanding to provide and accept existing DUS reports for any taxa on request and without charge: Australia and New Zealand.
(d)	The following authorities have an understanding to provide and accept existing DUS reports for any taxa on request: Brazil, Canada, Israel, Republic of Korea and Uzbekistan.

UPOV Code	Botanical Names	1				Agreements for Cooperation in DUS Examination		Utilization of Existing DUS Report	
		English	French	German	Spanish	2 Offering Authority/ examination Office	3 Authorities receiving Examination Reports	4 Utilizing Authority	5 Providing Authority / Examination Office
ABELI	Abelia R. Br.	Abelia	Abelia	Abelia	Abelia	FR	GZ	QZ	FR
ABELI_CHI	Abelia chinensis R. Br.					FR	GZ	QZ	FR
ABELI_GPA	Abelia grandiflora × Abelia parvifolia					FR	GZ	QZ	FR
ABELI_GRA	Abelia ×grandiflora Rehder	glossy abelia		größblütige Abelia		FR	GZ	QZ	FR
ABIES	Abies Mill.	Fir	Sapin	Tanne	Abeto	DE	GZ	QZ	DE
ABIES_KOR	Abies koreana E. H. Wilson	Korean fir		koreanische Tanne		DE	GZ	QZ	DE
ABIES_LAS	Abies lasiocarpa (Hook.) Nutt.					DE	GZ	QZ	DE
ABUTI_DAR	Abutilon darwinii Hook. f.					NL	GZ		
ABUTI_HYB	Abutilon ×hybridum hort. ex Voss					NL	GZ		
ABUTI_MEG	Abutilon megapetalum (Spreng.) A. St.-Hil. & Naudin	Abutilon	Abutilon	Abutilon	Abutilon	NL	GZ		

13. The same information provided in the Council document is available online on the GENIE database:

Abelia R. Br. (ABELI)



DUS Guidance and Cooperation

Names & Denomination Class | Protection | DUS Guidance and Cooperation

UPOV Principal Botanical Name: Abelia R. Br.

UPOV Code:

English Common Names: Abelia

TG/320/1

UPOV Test Guidelines:

Entries between ^ ^ indicate Test Guidelines that cover a lower botanical rank (for example in the case of a genus: there are Test Guidelines at the level of one of the species in the genus).

Drafting Authority

Cooperation in DUS Examination (key to abbreviations)

- [Authorities with Practical Experience](#)
- [Agreements for Cooperation in DUS Examination](#)
- [Utilization of Existing DUS Reports](#)

Agreements for Cooperation in DUS Examination

<> in the receiving column indicates that the authority specified in the offering column offers to carry out examinations for any interested member of the Union.

( ): Genus or species covered by agreement for a taxon of a higher rank to which it belongs (e.g. in the case of a species: the genus or family is covered by an agreement).

OFFERING AUTHORITY / EXAMINATION OFFICE	AUTHORITIES RECEIVING EXAMINATION REPORTS	NOTES
<>	(Switzerland)	(Switzerland): DUS tests are not conducted in Switzerland. In cases where a DUS test report is not available from a member of the Union, the Office of Plant Variety Protection will request an appropriate authority or testing of a member of the Union to perform a DUS test on its behalf.
France	European Union (Community Plant Variety Office (CPVO))	

Utilization of Existing DUS Reports

<> (utilizing) indicates that the authority specified in providing column will, in general, provide existing DUS reports to any member of the Union.

<> (providing) indicates that the authority specified in the utilizing column will, in general, utilize existing DUS reports provided by any member of the Union.

( ): Genus or species covered by agreement for a taxon of a higher rank to which it belongs (e.g. in the case of a species: the genus or family is covered by an agreement).

UTILIZING AUTHORITY	PROVIDING AUTHORITY/EXAMINATION OFFICE	NOTES
<>	Australia	Australia will provide copies of all its DUS test reports to other UPOV members.
<>	Brazil	Brazil will provide copies of all its DUS test reports to other UPOV members.
<>	European Union (Community Plant Variety Office (CPVO))	
<>	South Africa	South Africa will provide copies of all its DUS test reports to other UPOV members.
Australia	<>	Australia generally accepts DUS reports from UPOV members for any taxon except <i>Solanum tuberosum</i> L. In deciding

14. Since 2019, a total of 38 members provided information on cooperation in DUS examination. The largest number of contributions was received in 2024, when 14 members provided information.

15. Discontinuing “Cooperation in Examination” part of the GENIE database would not affect the other part of the database dealing with “Practical experience in DUS examination”.

How to identify UPOV members with experience in DUS examination of different crops

16. UPOV members may seek cooperation in DUS examination directly with the authorities with experience in the examination of crops of their interest. This information is provided in the GENIE database for any particular crop under “Practical experience in DUS examination”.

*GENIE Database: Practical experience in DUS examination*

17. Contact persons of members of the Union at the Technical Committee are invited every year to update the list of genera and species for which they have practical experience in DUS examination. The information is compiled in the TC document “List of genera and species for which authorities have practical experience in DUS examination”. The document provides information as a list of genera and species with the respective authorities declaring experience examining the crop, as follows:

TC/59/4  
page 5 / Seite 5 / página 5

LIST OF GENERA AND SPECIES FOR WHICH AUTHORITIES HAVE PRACTICAL EXPERIENCE IN DUS EXAMINATION  
LISTE DES GENRES ET ESPÈCES POUR LESQUELS LES SERVICES ONT UNE EXPÉRIENCE PRATIQUE EN MATIÈRE D'EXAMEN DHS  
LISTE DER GATTUNGEN UND ARTEN, FÜR DIE DIE BEHÖRDEN ÜBER PRAKTISCHE ERFAHRUNG BEI DER DUS-PRÜFUNG  
LISTA DE GÉNEROS Y ESPECIES RESPECTO DE LOS CUALES LAS AUTORIDADES POSEEN EXPERIENCIA PRÁCTICA EN EL EXAMEN DHS

Number of genera/species in list: 3,763  
Number of taxa in list: 3,924

CODE / CÓDIGO	BOTANICAL NAMES* / NOMS BOTANIQUESES* / BOTANISCHE NAMEN* / NOMBRES BOTÁNICOS*	AUTHORITIES / SERVICES / BEHÖRDEN / AUTORIDADES
ABELI	Abelia R. Br.	FR GB JP NI NZ OZ ZA
ABELI_CHI	Abelia chinensis R. Br.	CA FR GB OZ
ABELI_ENG	Abelia engleriana (Graebn.) Rehder	FR GB OZ
ABELI_FLO	Abelia floribunda (M. Martens & Galeotti) Decne.	GB
ABELI_GPA	Abelia xgrandiflora x Abelia parvifolia; (Abelia chinensis x Abelia uniflora) x Abelia parvifolia; Abelia xgrandiflora x Abelia schumannii	FR GB OZ
ABELI_GRA	Abelia xgrandiflora Rehder; Abelia chinensis x Abelia uniflora	CA FR GB OZ ZA
ABELI_MOS	Abelia mosanensis T. C. Chung ex Nakai	FR OZ
ABELI_PAR	Abelia parvifolia Hemsl.; Abelia schumannii (Graebn.) Rehder	FR GB OZ

18. The same information provided in the TC document is made available on the GENIE database:

The screenshot displays the GENIE database entry for *Abelia R. Br. (ABELI)*. The interface includes a search bar, tabs for 'Names & Denomination Class', 'Protection', and 'DUS Guidance and Cooperation'. The 'DUS Guidance and Cooperation' tab is active, showing the UPOV Principal Botanical Name as 'Abelia R. Br.', English Common Names as 'Abelia', and UPOV Test Guidelines as 'TG/320/1'. A table titled 'Authorities with Practical Experience' lists the following entries:

AUTHORITY	NOTES
<sup>1</sup> Canada <sup>1</sup>	
<sup>1</sup> European Union (Community Plant Variety Office (CPVO)) <sup>1</sup>	
European Union (Community Plant Variety Office (CPVO))	
<sup>1</sup> France <sup>1</sup>	

19. Since 2019, a total of 28 members provided information on practical experience in DUS examination. The largest number of contributions was received in 2024, when 14 members provided information.

### PLUTO database

20. The TC, at its sixtieth session<sup>2</sup>, considered how UPOV members can search for information on experience in DUS examination and noted that the UPOV Plant Variety Database (PLUTO) was commonly used by members.

21. Experience in DUS examination may be derived from the PLUTO database by searching for UPOV members receiving applications and granting titles for the different genera and species. Searches can be conducted for a defined period of time, identifying UPOV members with recent experience handling applications for particular crops.

22. The TC considered options to identify the authority that had conducted the technical examination of a variety and agreed that this information was required in the UPOV model form for the application for plant breeders' rights (document TGP/5, Section 2).

### UPOV e-PVP DUS Report Exchange Platform

23. The UPOV e-PVP DUS Report Exchange Platform enables users to commission DUS examination and exchange existing test reports. Information on the authorities offering DUS test reports can be derived directly from the UPOV e-PVP DUS Report Exchange Platform. A report on developments will be provided to the TWPs, at their sessions in 2025.

24. The TC, at its sixtieth session<sup>3</sup>, noted that the UPOV e-PVP DUS Report Exchange Platform provided information on test reports available for exchange and offers to conduct DUS examination on behalf of other authorities.

### Proposal

25. The TWPs may wish to consider discontinuing the section on "Cooperation in DUS Examination" in the GENIE database (e.g. formal cooperation agreements for DUS examination on behalf of other UPOV members; and declarations on the use of DUS test reports provided by other UPOV members).

26. The discontinuing the section on "Cooperation in DUS Examination" would not affect the "Practical experience in DUS examination" section of the GENIE database, nor the publication of document "List of genera and species for which authorities have practical experience in the examination of DUS" (see [document TC/60/4](#)).

27. *The TWPs are invited to consider discontinuing the section on "Cooperation in DUS Examination" in the GENIE database, as set out in paragraphs 7 to 26 of this document.*

<sup>2</sup> Held in Geneva, on October 21 and 22, 2024.

<sup>3</sup> Held in Geneva, on October 21 and 22, 2024.

TWF: UPOV CODES FOR CITRUS

28. The following section reports on proposed 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 proposed amendments include the UPOV codes for species under the genera *×Citroncirus*, *Fortunella* and *Poncirus*.

29. 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. The list of UPOV codes to be deleted and the proposed UPOV codes to be used for the genera and species no longer recognized as valid botanical names is provided in Annex I to this document.

Background

30. The TC, at its fifty-seventh session<sup>4</sup>, 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	<i>Citrus aurantium</i> L.	n.a.	CITRU_AUM_1MA CITRU_AUM_2OR	<i>Citrus ×aurantium</i> L.	<i>Citrus amara</i> Link; <i>Citrus bigarradia</i> Loisel.; <i>Citrus intermedia</i> hort. ex Tanaka; <i>Citrus taitensis</i> Risso; <i>Citrus vulgaris</i> Risso; <i>Citrus ×aurantium</i> subsp. <i>aurantium</i> L.; <i>Citrus ×aurantium</i> subsp. <i>jambiri</i> Engl.; <i>Citrus ×aurantium</i> subsp. <i>keonla</i> Engl.; <i>Citrus ×aurantium</i> subsp. <i>suntara</i> Engl.; <i>Citrus ×aurantium</i> var. <i>aurantium</i> L.; <i>Citrus ×aurantium</i> var. <i>citrina</i> Lush.; <i>Citrus ×bigarradia</i> var. <i>volkameriana</i> Risso; <i>Citrus ×clementina</i> hort. ex Tanaka; <i>Citrus ×crenatifolia</i> Lush.; <i>Citrus reticulata</i> × <i>C. maxima</i>
115	TG/201	CITRU_CLE	<i>Citrus clementina</i> hort. ex Tanaka	n.a.			
1	/	CITRU_MRE	<i>Citrus maxima</i> X <i>Citrus reticulata</i>	n.a.			
0	TG/201	CITRU_CRE	<i>Citrus crenatifolia</i> Lush.	n.a.			
0	TG/204	CITRU_INT	<i>Citrus intermedia</i> hort. ex Tanaka	n.a.			

31. 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 “principal botanical names” box to the “alternative botanical names”.

Proposal

32. The TC, at its sixtieth session<sup>5</sup>, noted the reclassification of genera and species of the *Citrus* complex which are no longer recognized as valid botanical names. The TC noted that UPOV codes in the genera *Citrus*, *×Citroncirus*, *Fortunella* and *Poncirus* would be affected. The TC agreed to submit to the TWF a proposal for amending the UPOV codes for *Citrus* and related genera and species, as provided in Annex I to this document (see document TC/60/8 “Report”, paragraph 56).

<sup>4</sup> Held in Geneva, on October 25 and 26, 2021.

<sup>5</sup> Technical Committee, sixtieth session, held in Geneva on October 21 and 22, 2024. See document TC/60/8 “Report”, paragraph 56

33. *The TWF is invited to consider the proposals for amending the UPOV codes for Citrus and related genera and species, as provided in Annex I to this document.*

## MATTERS FOR INFORMATION

### PLUTO database

34. 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

35. 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%

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

37. 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.

38. 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 is implemented in PLUTO (application number or grant number).
- **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. The PLUTO database has a rigorous process to propose UPOV codes and validate them with data contributors.
- **Completeness:** The quality of the PLUTO database would benefit from receiving complete sets of data contributions from all UPOV members.

39. 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*

40. 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<sup>6</sup>.

41. 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*

42. In 2024, 505 new UPOV codes were created. The total number of UPOV codes in the GENIE database as of December 31, 2024 was 10,109.

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
New UPOV codes	577	188	173	440	242	243	177	131	183	78	505
Total UPOV Codes	7,808	7,992	8,149	8,589	8,844	9,077	9,213	9,342	9,525	9,605	10,109

[Annexes follow]

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<sup>6</sup> 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".



## PROPOSAL FOR AMENDING THE UPOV CODES FOR CITRUS AND RELATED GENERA AND SPECIES

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

Entries in PLUTO	UPOV TG	Current	Proposal for Amendment						
		UPOV code	New or Integrated UPOV code	Valid botanical name	Other botanical name(s)	Common Name EN	Common Name FR	Common Name DE	Common Name ES
0		CITRO_NTR	CITRU_ATR	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>chrysoarpa</i> (Hassk.) ined. and <i>Citrus trifoliata</i> L.	hybrids between <i>Citrus nobilis</i> Lour. and <i>Poncirus trifoliata</i> (L.) Raf.	none	none	none	none
0		FOPON	CITRU_HYB	CITRUS × CITRUS	Fortunella × Poncirus	none	none	none	none
0		FOPON_TRI	CITRU_TRI	Citrus × <i>Citrus trifoliata</i> L.	Fortunella sp. × <i>Poncirus trifoliata</i> (L.) Raf.	none	none	none	none
5		CITRU_AUS	CITRU_AUS	<i>Citrus australasica</i> F. Muell.		Australian finger-lime; Finger-lime	none	none	none
0	TG/201	CITRU_CAV	CITRU_CAV	<i>Citrus cavaleriei</i> H. Lév. ex Cavalerie		Ichang papeda	none	none	none
0		FORTU_OBO	CITRU_HYB	CITRUS Hybr.	Fortunella × <i>obovata</i> hort. ex Tanaka	Changshou kumquat	none	none	none
0	TG/203	CITRU_KE R	CITRU_HYS	<i>Citrus hystrix</i> DC.	<i>Citrus hyalopulpa</i> Tanaka; <i>Citrus kerrii</i> (Swingle) Tanaka	none	none	none	none
0		CITRU_INO	CITRU_INO	<i>Citrus inodora</i> F. M. Bailey		North Queensland-lime; Russell River-lime	none	none	none
0		FORTU_CRA	CITRU_JAP	<i>Citrus japonica</i> Thunb	Fortunella japonica (Thunb.) Swingle;	meiwa kumquat	none	none	none

0		FORTU_HI N			Citrus madurensis Lour.; Fortunella × crassifolia Swingle; Fortunella hindsii (Champ. ex Benth.) Swingle; Fortunella margarita (Lour.) Swingle	golden-bean kumquat, Hong Kong kumquat	none	none	none
0	TG/20 1	FORTU_JA P				marumi kumquat; marumi kumquat, round cumquat, round kumquat; round cumquat; round cumquat	none	none	none
2		FORTU_M AR				none	none	none	none
14	TG/20 4	CITRU_MA X	CITRU_MAX	<i>Citrus maxima</i> (Burm.) Merr. (Citrus Pummelo Group)	<i>Citrus grandis</i> Osbeck; <i>Citrus pseudograndis</i> ; <i>Citrus truncata</i> ; <i>Citrus panuban</i> (Wester) Tanaka	Pomelo; Pomelo ; Pummelo; Shaddock; Shaddock	none	none	Toronja
0	TG/20 4	CITRU_PA N					none	none	
7		CITRU_ME D	CITRU_MED	<i>Citrus medica</i> L. ( <i>Citrus Citron</i> Group)		Citron	none	none	none
0	TG/20 3	CITRU_MO N	CITRU_MON	<i>Citrus montana</i> (Wester) Tanaka		none	none	none	none
0	TG/20 2	CITRU_OB L	CITRU_OBL	<i>Citrus oblonga</i> hort. Ex Yu. Tanaka		none	none	none	none
0	TG/20 3	CITRU_PA P	CITRU_PAP	<i>Citrus papaya</i> Hassk		none	none	none	none
0	TG/20 3	CITRU_PS M	CITRU_PSM	<i>Citrus pseudolimonum</i> Wester		none	none	none	none
0	TG/20 2	CITRU_PS S	CITRU_PSS	<i>Citrus pseudopapillaris</i> Tanaka		none	none	none	none

0		CITRU_RP C	CITRU_RAM	<i>Citrus reticulata</i> Blanco × ( <i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined. × <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk. ) ined.) × <i>Citrus ×aurantium</i> L.	<i>Citrus reticulata</i> Hort Ex. Tan. × ( <i>Citrus paradisi</i> Macf × <i>Citrus tangerina</i> Hort. Ex. Tan.) × <i>Citrus clementina</i> Hort. Ex. Tan	none	none	none	none
0	TG/20 1	CITRU_BE N	CITRU_RET	<i>Citrus reticulata</i> Blanco (Citrus Mandarin Orange Group)	Citrus benikoji hort. ex Tanaka	none	none	none	none
526	TG/20 1	CITRU_RE T	CITRU_RET	<i>Citrus reticulata</i> Blanco (Citrus Mandarin Orange Group)	Citrus benikoji hort. ex Tanaka	Tangerine	none	none	Mandarina Ponkan
0		CITRU_TS T	CITRU_RAM	<i>Citrus reticulata</i> Blanco × <i>Citrus ×aurantium</i> L. var. <i>sinensis</i> L. × <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk. ) ined.	<i>Citrus reticulata</i> Blanco × <i>Citrus sinensis</i> (L.) Osbeck X <i>Citrus temple</i>	none	none	none	none
5	TG/20 2	CITRU_SI O	CITRU_SIO	<i>Citrus sinograndis</i> hort. ex Yu. Tanaka		none	none	none	none
0	TG/20 2	CITRU_TA K	CITRU_TAK	<i>Citrus tankan</i> Hayata		none	none	none	none
36		PONCI_TR I	CITRU_TRI	<i>Citrus trifoliata</i> L.	Poncirus trifoliata (L.) Raf.	Japanese bitter-orange; hardy orange; trifoliata- orange	none	none	naranja trébol
0	TG/20 1	CITRU_AM B	CITRU_AMB	<i>Citrus ×amblycarpa</i> (Has sk.) Ochse		Nasranan mandarin	none	none	none
0	TG/20 3	CITRU_AU A	CITRU_AUR	<i>Citrus ×aurantiifolia</i> (Chri stm.) Swingle (Citrus Lime Group)	<i>Citrus ×javanica</i> Blume; <i>Citrus aurata</i> Risso; <i>Citrus davaoensis</i> (Wester) Tanaka; <i>Citrus excelsa</i> Wester; <i>Citrus macrophylla</i> Wester	none	none	none	none
14	TG/20 3	CITRU_AU R				Lime; Mexican Lime	none	none	Lima mexicana; Limón mexicano
0	TG/20 3	CITRU_DA V				none	none	none	none
0	TG/20 3	CITRU_EX C				none	none	none	none

0		CITRU_MAR				colo	none	none	none		
12		CITRU_AUM				Bigarade; Bitter orange; Seville orange; Sour orange	none	none	Naranja agria; Naranja amarga		
127	TG/20 1	CITRU_CLE	CITRU_AUM	<i>Citrus ×aurantium</i> L. (Citrus Sour Orange Group)	<i>Citrus clementina</i> hort. ex Tanaka; <i>Citrus crenatifolia</i> Lush.; <i>Citrus flavicarpa</i> hort. ex Tanaka; <i>Citrus hainanensis</i> Tanaka; <i>Citrus intermedia</i> hort. ex Tanaka; <i>Citrus maderaspatana</i> hort. ex Tanaka; <i>Citrus pseudogulgul</i> hort. ex Shirai; <i>Citrus shunkokan</i> hort. ex Tanaka; <i>Citrus taiwanica</i> Tanaka & Y. Shimada; <i>Citrus tamurana</i> hort. ex Tanaka; Hybrids between <i>Citrus reticulata</i> and <i>Citrus paradisi</i> ; <i>Citrus x tangelo</i> J. W. Ingram & H. E. Moore; <i>Citrus yamabuki</i> hort. ex Yu. Tanaka	<del>Clementine</del>	none	none	-		
0	TG/20 1	CITRU_CRE				<del>none</del>	none	none	none	none	none
0	TG/20 4	CITRU_FLA				none	none	none	none	none	none
0	TG/20 1	CITRU_HAI				none	none	none	none	none	none
0	TG/20 4	CITRU_INT				<del>none</del>	none	none	none	none	none
0	TG/20 2	CITRU_MAD				guntur sour orange; kichili	none	none	none	none	none
0	TG/20 4	CITRU_PSE				none	none	none	none	none	none
0	TG/20 2	CITRU_SHU				none	none	none	none	none	none
0	TG/20 2	CITRU_TAI				none	none	none	none	none	none
0	TG/20 2	CITRU_TAM				none	none	none	none	none	none
16	TG/20 1	CITRU_TNG				tangelo; uglifruit	none	none	none	none	none
0	TG/20 4	CITRU_YAM				none	none	none	none	none	none

0	TG/20 2	CITRU_FU N	CITRU_AUM_A UM	<i>Citrus ×aurantium</i> L. var. <i>aurantium</i> (Citrus Sour Orange Group)	<i>Citrus funadoko</i> hort. ex Yu. Tanaka; <i>Citrus myrtifolia</i> Raf.	none	none	none	none
0	TG/20 2	CITRU_MY R				myrtle-leaf orange	none	none	naranja mirtifolia
79	TG/20 1	CITRU_DE L	CITRU_AUM_C HR	<i>Citrus ×aurantium</i> L. var. <i>chrysoarpa</i> (Hassk.) ined. (Citrus Sour Orange Group)	<i>Citrus deliciosa</i> Ten.; <i>Citrus lycopersiciformis</i> (Lush.) hort. ex Tanaka; <i>Citrus nobilis</i> Lour. x <i>Citrus deliciosa</i> Ten.; <i>Citrus nobilis</i> Lour.; <i>Citrus oto</i> hort. ex Yu. Tanaka; <i>Citrus paratangerina</i> hort. ex Tanaka; <i>Citrus papillaris</i> Blanco; <i>Citrus platymamma</i> hort. ex Tanaka; <i>Citrus pseudosunki</i> hort. ex Tanaka; <i>Citrus reshni</i> hort. ex Tanaka; <i>Citrus suavissima</i> hort. ex Tanaka; <i>Citrus succosa</i> hort. ex Tanaka; <i>Citrus suhuiensis</i> hort. ex Tanaka; <i>Citrus sunki</i> (Hayata) hort. ex Tanaka; <i>Citrus tardiva</i> hort. ex Shirai; <i>Citrus tangerina</i> Tanaka; <i>Citrus tarogayo</i> hort. ex Yu. Tanaka; <i>Citrus tardiferax</i> hort. ex Tanaka; <i>Citrus temple</i> hort. ex Yu. Tanaka; <i>Citrus tumida</i> hort. ex Tanaka; <i>Citrus unshiu</i> Marcow.; <i>Citrus yatsushiro</i> hort. ex Tanaka, <i>Citrus nobilis</i> Lour. x <i>Citrus tangerina</i>	Italian tangerine; Mediterranean mandarin; Willow-leaf mandarin	none	none	Mandarina; Mandarina común
0	TG/20 1	CITRU_LY C				none	none	none	none
0		CITRU_ND E				none	none	none	none
0	TG/20 1	CITRU_NO B				King of Siam; king orange; tangor	none	none	none
0	TG/20 1	CITRU_PA A				ladoo; ladu	none	none	none
0	TG/20 2	CITRU_PA I				none	none	none	none
0	TG/20 1	CITRU_PL A				none	none	none	none
0	TG/20 1	CITRU_PS K				none	none	none	none

2	TG/20 1	CITRU_RE S			Hort ex Tan, <i>Citrus nobilis</i> × <i>Citrus temple</i>	Cleopatra mandarin; Spice mandarin	none	none	none
0	TG/20 1	CITRU_SU A				none	none	none	none
0	TG/20 1	CITRU_SU C				jimikan mandarin	none	none	none
0	TG/20 1	CITRU_SU H				none	none	none	none
0	TG/20 1	CITRU_SU N				sour mandarin; sunki mandarin	none	none	none
0	TG/20 1	CITRU_TA D				none	none	none	none
1	TG/20 1	CITRU_TA N				dancy tangerine; tangerine	none	none	none
0	TG/20 1	CITRU_TA O				none	none	none	none
0	TG/20 1	CITRU_TA R				none	none	none	none
0	TG/20 1	CITRU_TE M				temple orange	none	none	none
0	TG/20 1	CITRU_TU M				none	none	none	none
137	TG/20 1	CITRU_UN S				Satsuma mandarin; Satsuma orange	none	none	none
0	TG/20 1	CITRU_YA T				none	none	none	none
0	TG/20 1	CITRU_TP A	CITRU_AUM_C RA	<i>Citrus</i> × <i>aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined. × <i>Citrus</i> × <i>aurantium</i> L. var. <i>racemosa</i> (Risso) ined.	<i>Citrus temple</i> hort. ex Yu. Tanaka X <i>Citrus</i> × <i>paradisi</i> Macfad. Notho	none	none	none	none

2		CITRU_US U	CITRU_AUM_C SI	<i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined. × <i>Citrus ×aurantium</i> L. var. <i>sinensis</i> L.) × <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.	(( <i>Citrus unshiu</i> × <i>Citrus sinensis</i> ) × <i>Citrus unshiu</i> )	none	none	none	none
0	TG/20 4	CITRU_GL A	CITRU_AUM_R AC	<i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined.	<i>Citrus glaberrima</i> hort. ex Tanaka; <i>Citrus hassaku</i> hort. ex Tanaka; <i>Citrus hiroschimana</i> hort. ex Yu. Tanaka; <i>Citrus iwaikan</i> hort. ex Yu. Tanaka; <i>Citrus kotokan</i> Hayata; <i>Citrus medioglobosa</i> hort. ex Tanaka; <i>Citrus miaray</i> Wester; <i>Citrus natsudaidai</i> Hayata; <i>Citrus obovoidea</i> hort. ex I. Takah.; <i>Citrus otachibana</i> hort. ex Yu. Tanaka; <i>Citrus mitsuharu</i> Hort. ex Yu. Tanaka; <i>Citrus omikanto</i> hort. ex Yu. Tanaka; <i>Citrus tosa-asahi</i> hort. ex Yu. Tanaka; <i>Citrus × paradisi</i> Macfad.; <i>Citrus yuge-hyokan</i> hort. ex Yu. Tanaka; <i>Citrus pseudoparadisi</i> hort. ex Yu. Tanaka; <i>Citrus rugulosa</i> hort. ex Tanaka; <i>Citrus sulcata</i> hort. ex I. Takah.; <i>Citrusujukitsu</i> Tanaka	none	none	none	none
0	TG/20 4	CITRU_HA S				hassaku orange	none	none	none
0	TG/20 4	CITRU_HI R				none	none	none	none
0	TG/20 4	CITRU_IW A				none	none	none	none
0	TG/20 4	CITRU_KO T				none	none	none	none
0	TG/20 4	CITRU_ME I				Naruto orange	none	none	none
0	TG/20 4	CITRU_MI A				none	none	none	none
0	TG/20 4	CITRU_NA T				Japanese summer grapefruit	none	none	pomelo japonés de verano
0	TG/20 4	CITRU_OB O				kinkoji	none	none	none

0	TG/20 4	CITRU_OT A				none	none	none	none
51	TG/20 4	CITRU_PA R				Grapefruit	none	none	Pomelo; Pummelo; Toronja
0	TG/20 4	CITRU_PSI				none	none	none	none
0	TG/20 4	CITRU_RU G				none	none	none	none
0	TG/20 4	CITRU_SU L				none	none	none	none
0	TG/20 2	CITRU_UJ U				none	none	none	none
0	TG/20 1	CITRU_GE N				none	none	none	none
0	TG/20 2	CITRU_IY O	CITRU_AUM_SI N	<i>Citrus ×aurantium</i> L. var. <i>sinensis</i> L.	<i>Citrus genshokan</i> (Hayata) hort. ex Tanaka; <i>Citrus iyo</i> hort. ex Tanaka; <i>Citrus</i> <i>sinensis</i> (L.) Osbeck; <i>Citrus sinensis</i> (L.) Pers.; <i>Citrus tengu</i> hort. ex Tanaka	none	none	none	none
450	TG/20 2	CITRU_SIN				Sweet Orange	none	none	Naranjo dulce
0	TG/20 4	CITRU_TE N				none	none	none	none
0	TG/20 1	CITRU_DE P	CITRU_DEP	<i>Citrus ×depressa</i> Hayata		none	none	none	none
4	TG/20 3	CITRU_JA M	CITRU_JAM	<i>Citrus ×granulata</i> Raf.	<i>Citrus jambhiri</i> Lush.	Citronelle; Jamberi; Jambhiri- orange; Mazoe lemon; Rough lemon	none	none	Limón rugoso; Rugoso
0	TG/20 1	CITRU_INF	CITRU_INF	<i>Citrus ×inflata</i> hort. ex Tanaka			none	none	
8		CITRO				none	none	none	none
21		CITRO_WE B	CITRU_INS	<i>Citrus ×insitorum</i> Mabb.	<i>Citrus ×Poncirus</i> ; <i>×Citroncirus</i> J. W. Ingram & H. E. Moore; <i>×Citroncirus webberi</i> J. W. Ingram & H. E. Moore; <i>Citrus sinensis</i> <i>×Poncirus trifoliata</i>	Citrange	none	none	none



6		CITRU_JUN	CITRU_JUN	<i>Citrus ×junos</i> Siebold ex Tanaka (Citrus Yuzu Group)	<i>Citrus junos</i> Sieb ex Tanaka	Yuzu	none	none	Yuzu
5	TG/203	CITRU_LAT	CITRU_LAT	<i>Citrus ×latifolia</i> (Yu. Tanaka) Tanaka		Bearss lime; Khasi papeda; Persian lime; Tahiti lime	none	none	Limón Pesa
0	TG/201	CITRU_LEI	CITRU_LEI	<i>Citrus ×leiocarpa</i> hort. ex Tanaka		none	none	none	none
0	TG/203	CITRU_BAL	CITRU_LIM	<i>Citrus ×limon</i> (L.) Osbeck (Citrus Rangpur Lime Group)	<i>Citrus limon</i> (L.) Burm. f.; <i>Citrus ×limon</i> (L.) Osbeck; <i>Citrus medica</i> var. <i>limon</i> L.; <i>Citrus rissoi</i> Risso; <i>Citrus ×limonia</i> Osbeck; <i>Citrus ×mellarosa</i> Risso; <i>Citrus ×volkameriana</i> (Risso) V. Ten. & Pasq.; <i>Citrus balotina</i> Poit. & Turpin; <i>Citrus karna</i> Raf.; <i>Citrus limetta</i> Risso; <i>Citrus meyeri</i> Yu. Tanaka	<del>balotin</del>	none	none	<del>none</del>
0	TG/203	CITRU_KAR				<del>bergamot</del>	none	none	<del>none</del>
1	TG/203	CITRU_LIE				<del>karna</del>	none	none	<del>none</del>
223	TG/203	CITRU_LIM				limetta of the Mediterranean; sweet lemon	none	none	lima; limero dulce
2	TG/203	CITRU_MEY				Lemon; lemon	none	none	Limonero; Limón; limonero; limón
2	TG/203	CITRU_BER				CITRU_BER	<i>Citrus ×limon</i> (L.) Osbeck var. <i>bergamia</i> (Loisel.) ined.	<i>Citrus bergamia</i> Risso & Poit.	Chinese dwarf lemon; Meyer lemon; dwarf lemon
0		CITRU_LOI	CITRU_LOI	<i>Citrus ×longispina</i> Weste r		bergamot orange	none	none	bergamoto
0		CITRU_LOI	CITRU_LOI	<i>Citrus ×longispina</i> Weste r		none	none	none	none
1	TG/203	CITRU_LMT	CITRU_LUM	<i>Citrus ×lumia</i> Risso	<i>Citrus limettioides</i> Tanaka; <i>Citrus pyriformis</i> Hassk.	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				none	none	none	none

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0		CITRU_PYR				none	none	none	none
0	TG/203	CITRU_MEG	CITRU_MEG	<i>Citrus ×megaloxycarpa</i> Lush.		sour pummelo	none	none	none
0		CITFO_MIC	CITRU_MIC	<i>Citrus ×microcarpa</i> Bunge	<i>Citrus madurensis</i> auct.; <i>Citrus microcarpa</i> Bunge; <i>Citrus mitis</i> Blanco; <i>Citrus reticulata</i> × <i>Fortunella japonica</i> ; X <i>Citrofortunella mitis</i> (Blanco) J. W. Ingram & H. E. Moore; × <i>Citrofortunella microcarpa</i> (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	<i>Citrus ×nippokoreana</i> Tanaka		Korai tachibana mandarin	mandarinier	none	none
0		PONCI_POL	CITRU_POL	<i>Citrus ×polytrifolia</i> Govaerts		none	none	none	none
0	TG/202	CITRU_ROK	CITRU_ROK	<i>Citrus ×rokugatsu</i> hort. ex Yu. Tanaka		none	none	none	none
0		FORTU_POL	CITRU_SWI	<i>Citrus ×swinglei</i> Burkill ex Harms	<i>Fortunella polyandra</i> (Ridl.) Tanaka	Malayan kumquat	none	none	none
0	TG/203	CITRU_WEB	CITRU_WEB	<i>Citrus ×webberi</i> Wester		kalpi	none	none	none
0	TG/201	CITRU_YUK	CITRU_YUK	<i>Citrus ×yuko</i> hort. ex Tanaka		none	none	none	none
1		CITFO	CITRU	<i>Citrus</i> L.		none	none	none	none
16		FORTU	CITRU	<i>Citrus</i> L.		Kumquat	Kumquat	Kumquat	Kumquat
1		PONCI	CITRU	<i>Citrus</i> L.	Poncirus Raf.	none	none	none	none
0		CITRO_ATTR	CITRU_ATTR	Hybrids between <i>Citrus ×aurantium</i> L. and <i>Citrus trifoliata</i> L.	<i>Citrus aurantium</i> L. × <i>Poncirus trifoliata</i> (L.) Raf	none	none	none	none
0		CITRU_CUN	CITRU_CAU	Hybrids between <i>Citrus cavaleriei</i> H. Lév. ex Cavalerie and <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.	<i>Citrus cavaleriei</i> H. Lév. ex Cavalerie x <i>Citrus unshiu</i> (Mak.) Marc.	none	none	none	none
0		CITRU_CET	CITRU_CET	Hybrids between <i>Citrus cavaleriei</i> H. Lév. ex		none	none	none	none

				Cavalerie and <i>Citrus reticulata</i> Blanco					
0		CITRU_IAU	CITRU_IAU	Hybrids between <i>Citrus inodora</i> and <i>Citrus australasica</i> F. Muell.		none	none	none	none
2		CITRO_LTR	CITRU_LTR	Hybrids between <i>Citrus latipes</i> (Swingle) Tanaka and <i>Citrus trifoliata</i> L.	CITRO_LTR ( <i>Citrus latipes</i> (Swingle) Tanaka x <i>Poncirus trifoliata</i> (L.) Raf.)	none	none	none	none
20		CITRU_MRE	CITRU_MRE	Hybrids between <i>Citrus maxima</i> (Burm.) Merr. and <i>Citrus reticulata</i> Blanco	-	none	none	none	none
1		CITRU_MLA	CITRU_MLA	Hybrids between <i>Citrus medica</i> L. , <i>Citrus ×limon</i> (L.) Osbeck) and <i>Citrus ×aurantiifolia</i> (Christm.) Swingle		none	none	none	none
0		CITRU_MLI	CITRU_MLI	Hybrids between <i>Citrus medica</i> L. and <i>Citrus ×limon</i> (L.) Osbeck		none	none	none	none
0	TG/201	CITFO_RHI	CITRU_RJA	Hybrids between <i>Citrus reticulata</i> Blanco and <i>Citrus japonica</i> Thunb.	<i>Citrus reticulata</i> x <i>Fortunella hindsii</i> )	none	none	none	none
1		CITRU_RDE	CITRU_RAM	Hybrids between <i>Citrus reticulata</i> Blanco and <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.		none	none	none	none
1		CITRU_RAU	CITRU_RAU	Hybrids between <i>Citrus reticulata</i> Blanco and <i>Citrus australasica</i> F. Muell.		none	none	none	none
10		CITRO_RTR	CITRU_RTI	Hybrids between <i>Citrus reticulata</i> Blanco and <i>Citrus trifoliata</i> L.	<i>Citrus reticulata</i> Blanco x <i>Poncirus trifoliata</i> (L.) Raf.	Citrandarin	Citrandarin	none	none
13		CITRU_RCL	CITRU_RAM	Hybrids between <i>Citrus reticulata</i> Blanco and <i>Citrus ×aurantium</i> L.	<i>Citrus reticulata</i> Blanco x <i>Citrus clementina</i> hort. ex Tanaka	none	none	none	none
33	TG/201	CITRU_RSI	CITRU_RAM	Hybrids between <i>Citrus reticulata</i> Blanco and	Hybrids between <i>Citrus reticulata</i> Blanco and	Tangor	Tangor	Tangor	Tangor

				<i>Citrus ×aurantium</i> L. var. <i>sinensis</i> L.	<i>Citrus sinensis</i> (L.) Osbeck				
0		CITRO_TLI	CITRU_TLI	Hybrids between <i>Citrus trifoliata</i> L. and <i>Citrus ×limon</i> (L.) Osbeck	Hybrids between <i>Poncirus trifoliata</i> and <i>Citrus limon</i>	none	none	none	none
0		CITRU_ALA	CITRU_ALA	Hybrids between <i>Citrus ×aurantium</i> L. and <i>Citrus latipes</i> (Swingle) Tanaka		none	none	none	none
0		CITRU_CTA	CITRU_AUM	Hybrids between <i>Citrus ×aurantium</i> L. and <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.	<i>Citrus clementina</i> Hort ex. Tan. x <i>Citrus tangerina</i> Hort ex. Tan	none	none	none	none
1		CITRU_CPA	CITRU_AUM	Hybrids between <i>Citrus ×aurantium</i> L. and <i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined.	<i>Citrus clementina</i> hort. ex Tanaka. x <i>Citrus paradisi</i> Macfad	none	none	none	none
3		CITRO_HTR	CITRU_HTR	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined. and <i>Citrus trifoliata</i> L.	<i>Citrus reshni</i> hort. ex Tanaka x <i>Poncirus trifoliata</i> (L.) Raf.); Hybrids between <i>Citrus nobilis</i> Lour. and <i>Poncirus trifoliata</i> (L.) Raf.; Hybrids between <i>Citrus sunki</i> (Hayata) hort. ex Tanaka and <i>Poncirus trifoliata</i> (L.) Raf.	none	none	none	none
0		CITRO_HTS	CITRU_HTS	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined., x <i>Citrus trifoliata</i> L. and <i>Citrus ×aurantium</i> L. var. <i>sinensis</i> L.	<i>Citrus reshni</i> hort. ex Tanaka x <i>Poncirus trifoliata</i> (L.) Raf. x <i>Citrus sinensis</i> (L.) Osbeck	none	none	none	none
0	TG/203	CITRU_PTA	CITRU_AUM	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined. and <i>Citrus ×aurantium</i> L.	<i>Citrus paradisi</i> Macf. x <i>Citrus tangerina</i> Hort. Ex. Tan.	none	none	none	none

				var. <i>chrysocarpa</i> (Hassk.) ined.					
1		CITRU_PMA	CITRU_AMX	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined. and <i>Citrus maxima</i> (Burm.) Merr.	Hybrids between <i>Citrus paradisi</i> and <i>Citrus maxima</i>	none	none	none	none
8		CITRO_PTR	CITRU_ATR	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined. and <i>Citrus trifoliata</i> L.	<i>Citrus ×paradisi</i> Macfad. × <i>Poncirus trifoliata</i> (L.) Raf.	Citrumelo	Citrumelo	none	none
1		CITRU_SCL	CITRU_AUM	Hybrids between <i>Citrus ×aurantium</i> L. var. <i>sinensis</i> L. and <i>Citrus ×aurantium</i> L.	Hybrids between <i>Citrus sinensis</i> and <i>Citrus clementina</i>	none	none	none	none
0		CITRU_CPT	CITRU_AUM	Hybrids between <i>Citrus ×aurantium</i> L., <i>Citrus ×aurantium</i> L. var. <i>racemosa</i> (Risso) ined. and <i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.	hybrids between <i>Citrus ×clementina</i> hort. ex Tanak, <i>Citrus ×paradisi</i> Macfad. and <i>Citrus ×tangerina</i> Tanaka	none	none	none	none
0		CITRO_JTR	CITRU_JTR	Hybrids between <i>Citrus ×granulata</i> Raf. and <i>Citrus trifoliata</i> L.	<i>Citrus jambhiri</i> Lush. × <i>Poncirus trifoliata</i> (L.) Raf.	none	none	none	none
0	TG/203	CITRU_LAU	CITRU_LAU	Hybrids between <i>Citrus ×limon</i> (L.) Osbeck and <i>Citrus ×aurantiifolia</i> (Christm.) Swingle		none	none	none	none
32		CITRO_CTR	CITRU_ATR	Hybrids between <i>Citrus ×aurantium</i> L. and <i>Citrus trifoliata</i> L.	<i>Citrus clementina</i> × <i>Poncirus trifoliata</i>	none	none	none	none
0		CITRU_NTA	CITRU_AUM_CHR	<i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.	<i>Citrus nobilis</i> Lour. × <i>C. tangerina</i> Hort ex Tan	none	none	none	none
0		CITRU_NTE	CITRU_AUM_CHR	<i>Citrus ×aurantium</i> L. var. <i>chrysocarpa</i> (Hassk.) ined.	<i>Citrus nobilis</i> × <i>Citrus temple</i>	none	none	none	none

0	TG/20 1	CITRU_OT O	CITRU_AUM_C HR	Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined.		none	none	none	none
0		CITRO_ST R	CITRU_ATR	Hybrids between Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined. and Citrus trifoliata L.	hybrids between <i>Citrus sunki</i> (Hayata) hort. ex Tanaka and <i>Poncirus trifoliata</i> (L.) Raf.	none	none	none	none
1	TG/20 1	CITRU_MC A	CITRU_MCA	hybrids between <i>Citrus maxima</i> (Burm.) Merr. and <i>Citrus cavaleriei</i> H. Lév. ex Cavalerie		none	none	none	none
2		CITRO_HY B	CITRU_HYB	<i>Citrus hybr.</i>	× <i>Citroncirus hybr.</i>	none	none	none	none
0	TG/20 4	CITRU_AM P	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus ampullacea</i> hort. ex Tanaka	none	none	none	none
0	TG/20 4	CITRU_AS A	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus asahikan</i> hort. ex Tanaka	none	none	none	none
0	TG/20 3	CITRU_AS S	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus assamensis</i> S. Dutta & S. C. Bhattach.	none	none	none	none
0	TG/20 4	CITRU_AU C	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus aurantiaca</i> hort. ex Tanaka	none	none	none	none
0	TG/20 2	CITRU_AU E	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus aurea</i> hort. ex Tanaka	none	none	none	none
0	TG/20 2	CITRU_CA N	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus canaliculata</i> hort. ex Yu. Tanaka	kikudaidai	none	none	none
0	TG/20 3	CITRU_LO N	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus longilimon</i> Tanaka	none	none	none	none
0	TG/20 3	CITRU_MA C	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus macrolimon</i> Tanaka	colo	none	none	none
0	TG/20 3	CITRU_PS N	CITRU_HYB	<i>Citrus hybr.</i>	<i>Citrus pseudolimon</i> Tanaka	gulgal; hill- lemon	none	none	none

[Annex II follows]

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

Contributor		Number of applications for PBR in 2023 <sup>7</sup>	Number of new data submissions to PLUTO					
			2019	2020	2021	2022	2023	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	32
Australia	AU	296	21	5	5	16	8	2
Austria	AT	0	5	4	0	0	3	5
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	9
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	11
Bulgaria	BG	21	10	3	0	6	6	8
Canada	CA	399	11	11	0	3	12	11
Chile	CL	91	4	5	3	4	6	7
China	CN	16,184	1	1	3	0	0	2
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	2
Czech Republic	CZ	45	7	9	0	4	6	4
Denmark	DK	5	10	10	0	0	0	2
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	10
Estonia	EE	3	6	3	0	2	4	7
European Union	QZ	2,866	9	7	2	9	7	4
Finland	FI	n/a	3	2	0	4	1	3
France	FR	117	12	8	0	8	9	9
Georgia	GE	13	0	0	1	0	1	0
Germany	DE	26	10	8	0	9	5	10
Ghana	GH	0	-	-	-	0	0	0
Hungary	HU	16	13	14	0	5	9	8
Iceland	IS	0	0	0	1	0	0	0
Ireland	IE	2	3	1	0	2	2	4
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	1
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	1
Lithuania	LT	5	5	4	0	2	1	1
Mexico	MX	230	0	4	1	2	2	4
Montenegro	ME	0	0	0	0	0	0	0
Morocco	MA	73	0	1	1	1	0	0
Netherlands (Kingdom of the)	NL	856	12	12	0	7	11	2
New Zealand	NZ	118	6	7	3	6	6	7
Nicaragua	NI	59	0	1	1	1	0	0

<sup>7</sup> see document C/58/7

Highlighted in grey indicates data provided via the CPVO.

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Annex II, page 2

Contributor		Number of applications for PBR in 2023 <sup>7</sup>	Number of new data submissions to PLUTO					
			2019	2020	2021	2022	2023	2024
North Macedonia	MK	n/a	0	0	0	0	0	0
Norway	NO	15	7	3	0	4	3	2
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	1
Peru	PE	28	1	0	1	1	2	1
Poland	PL	159	3	4	0	2	4	8
Portugal	PT	0	1	4	0	0	3	2
Republic of Korea	KR	625	3	1	1	0	0	0
Republic of Moldova	MD	17	2	2	3	1	1	2
Romania	RO	33	5	4	0	1	3	4
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	5
Slovenia	SI	1	3	2	0	2	2	4
South Africa	ZA	318	3	0	1	0	0	1
Spain	ES	51	4	8	0	7	5	7
Sweden	SE	0	8	9	0	7	5	9
Switzerland	CH	57	6	8	1	3	7	1
Trinidad and Tobago	TT	0	0	0	0	0	0	0
Tunisia	TN	15	0	0	0	0	0	0
Türkiye	TR	233	1	0	0	0	1	1
Ukraine	UA	768	5	0	0	0	6	23
United Kingdom	GB	819	8	8	0	7	7	12
United Republic of Tanzania	TZ	8	0	0	0	0	0	0
United States of America	US	305	12	10	0	13	1	18
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	0
<b>Total</b>		<b>28,154</b>	<b>257</b>	<b>218</b>	<b>56</b>	<b>193</b>	<b>196</b>	<b>273</b>

[End of Annex II and document]