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| International Union for the Protection of New Varieties of Plants |  |

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| Technical Working Party for Ornamental Plants and Forest TreesFifty-Seventh SessionRoelofarendsveen, Kingdom of the Netherlands, March 31 to April 3, 2025Technical Working Party on Testing Methods and TechniquesThird SessionBeijing, China, April 28 to May 1, 2025Technical Working Party for VegetablesFifty-Ninth SessionVirtual meeting, May 5 to 8, 2025Technical Working Party for Agricultural CropsFifty-Fourth SessionArusha, United Republic of Tanzania, May 19 to 22, 2025Technical Working Party for Fruit CropsFifty-Sixth SessionBursa, Türkiye, June 23 to 26, 2025 | TWP/9/2Original: EnglishDate: March 11, 2025 |

**UPOV information databases**

*Document prepared by the Office of the Union*

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

# Executive summary

 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

 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

 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*.

 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.

 The structure of this document is as follows:

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Reports on cooperation in DUS examination: data collection and publications 2

How to identify UPOV members with experience in DUS examination of different crops 4

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ANNEX I: AMENDING THE UPOV CODES FOR CITRUS AND RELATED GENERA AND SPECIES

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

 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

 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.

 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:

 The TC, at its sixtieth session[[1]](#footnote-2), 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.

 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](https://www.upov.int/meetings/en/doc_details.jsp?meeting_id=80839&doc_id=636554)).

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

 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:



 The information is compiled and organized to be presented in the Council document “[Cooperation in Examination](https://www.upov.int/meetings/en/doc_details.jsp?meeting_id=80842&doc_id=637051)”. The document provides “general notes” and a list of genera and species with the authorities that that carry out examination on behalf or utilize DUS reports provided by other authorities, as follows:





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



|  |  |
| --- | --- |
| A screenshot of a document  Description automatically generated | A screenshot of a document  Description automatically generated |

 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.

 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

 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

 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:



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

|  |  |
| --- | --- |
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 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

 The TC, at its sixtieth session[[2]](#footnote-3), 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.

 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.

 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

 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.

 The TC, at its sixtieth session[[3]](#footnote-4), 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

 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.

 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](https://www.upov.int/meetings/en/doc_details.jsp?meeting_id=80839&doc_id=636554)).

 *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.*

# TWF: UPOV codes for Citrus

 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*.

 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

 The TC, at its fifty-seventh session[[4]](#footnote-5), 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. |

 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

 The TC, at its sixtieth session[[5]](#footnote-6), 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).

 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

 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 |

 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 II to this document.

 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.

 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.

 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

 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[[6]](#footnote-7).

 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

 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]

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 IntegratedUPOV 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 Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined. and Citrus trifoliata L. |  hybrids between Citrus nobilis Lour. and Poncirus trifoliata (L.) Raf. | none | none | none | none |
| 0 |   | FOPON |   | CITRU\_HYB | CITRUS × CITRUS | Fortunella × Poncirus | none | none | none | none |
| 0 |   | FOPON\_TRI |   | CITRU\_TRI | Citrus × Citrus trifoliata L. | Fortunella sp. x Poncirus trifoliata (L.) Raf. | 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 |   | CITRU\_HYB | CITRUS Hybr. | Fortunella × obovata hort. ex Tanaka | 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 |   | CITRU\_JAP | Citrus japonica Thunb | Fortunella japonica (Thunb.) Swingle; Citrus madurensis Lour.; Fortunella × crassifolia Swingle; Fortunella hindsii (Champ. ex Benth.) Swingle; Fortunella margarita (Lour.) Swingle | meiwa kumquat | none | none | none |
| 0 |   | FORTU\_HIN |   | golden-bean kumquat, Hong Kong kumquat | none | none | none |
| 0 | TG/201 | FORTU\_JAP |   | marumi kumquat; marumi kumquat, round cumquat, round kumquat; round cumquat; round kumquat | 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  |   |   | none | none |   |
| 7 |   | CITRU\_MED  |   | CITRU\_MED  | *Citrus medica L. (Citrus Citron Group)* |   | Citron | none | none | none |
| 0 | TG/203 | CITRU\_MON |   | CITRU\_MON | *Citrus montana* (Wester) Tanaka |   | none | none | none | none |
| 0 | TG/202 | CITRU\_OBL  |   | CITRU\_OBL | *Citrus oblonga* hort. Ex Yu. Tanaka |   | none | none | none | none |
| 0 | TG/203 | CITRU\_PAP |   | CITRU\_PAP | *Citrus papaya* Hassk |   | none | none | none | none |
| 0 | TG/203 | CITRU\_PSM |   | CITRU\_PSM | *Citrus pseudolimonum* Wester |  | none | none | none | none |
| 0 | TG/202 | CITRU\_PSS |   | CITRU\_PSS | *Citrus pseudopapillaris* Tanaka |   | none | none | none | none |
| 0 |   | CITRU\_RPC |   | CITRU\_RAM | *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) | Citrus benikoji hort. ex Tanaka | ~~none~~ | none | none | ~~none~~ |
| 526 | TG/201 | CITRU\_RET  |   | CITRU\_RET | *Citrus reticulata Blanco (Citrus Mandarin Orange Group)* | Citrus benikoji hort. ex Tanaka | Tangerine | none | none | Mandarina Ponkan |
| 0 |   | CITRU\_TST |   | CITRU\_RAM | *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 |   | 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 |
| 0 | TG/201 | CITRU\_AMB  |   | CITRU\_AMB | *Citrus*×*amblycarpa*(Hassk.) Ochse |   | Nasnaran mandarin | none | none | none |
| 0 | TG/203 | CITRU\_AUA  |   | CITRU\_AUR | *Citrus*×*aurantiifolia*(Christm.) Swingle (Citrus Lime Group) | *Citrus ×javanica* Blume; *Citrus aurata* Risso; *Citrus davaoensis* (Wester) Tanaka; *Citrus excelsa* Wester; *Citrus macrophylla* Wester | none | none | none | none |
| 14 | TG/203 | CITRU\_AUR  |   | ~~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 Orange Group) | *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  |   | CITRU\_AUM\_CHR | *Citrus ×aurantium* L. var. *chrysocarpa*(Hassk.) ined. (Citrus Sour Orange Group) | *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 |
| 0 | TG/201 | CITRU\_LYC  |   | 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 |   | CITRU\_AUM\_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 |   | CITRU\_AUM\_CSI | *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 |
| 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\_INS | *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  |   | CITRU\_LIM | *Citrus ×limon* (L.) Osbeck (Citrus Rangpur Lime Group) | *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  | ~~balotin bergamot~~ | none | none | ~~none~~ |
| 0 | TG/203 | CITRU\_KAR  |   | ~~karna~~ | none | none | ~~none~~ |
| 1 | TG/203 | CITRU\_LIE  |   | limetta of the Mediterranean; sweet lemon | none | none | lima; limero dulce |
| 223 | TG/203 | CITRU\_LIM  |   | 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.) ined. | *Citrus bergamia* Risso & Poit. | bergamot orange | none | none | bergamoto |
| 0 |   | CITRU\_LOI  |   | CITRU\_LOI  | *Citrus ×longispina*Wester |   | none | none | none | none |
| 1 | TG/203 | CITRU\_LMT  |   | CITRU\_LUM  | *Citrus ×lumia* Risso |  *Citrus limettioides Tanaka; Citrus pyriformis 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 |
| 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\_POL | *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 |   | 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 |   | CITRU\_ATR | Hybrids between *Citrus ×aurantium* L. and *Citrus trifoliata* L. | *Citrus aurantium* L. × *Poncirus trifoliata* (L.) Raf | none | none | none | none |
| 0 |   | CITRU\_CUN |   | CITRU\_CAU | 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 |   | CITRU\_CET | Hybrids between *Citrus cavaleriei* H. Lév. ex Cavalerie and *Citrus reticulata* Blanco |   | none | none | none | none |
| 0 |   | CITRU\_IAU |   | CITRU\_IAU | Hybrids between *Citrus inodora* and *Citrus australasica* F. Muell. |   | none | none | none | none |
| 2 |   | CITRO\_LTR |   | 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 |   | CITRU\_MRE | Hybrids between *Citrus maxima*(Burm.) Merr. and *Citrus* *reticulata* Blanco |  | ~~none~~ | ~~none~~ | ~~none~~ | ~~none~~ |
| 1 |   | CITRU\_MLA |   | CITRU\_MLA | Hybrids between *Citrus medica* L. , *Citrus ×limon* (L.) Osbeck) and *Citrus ×aurantiifolia* (Christm.) Swingle |   | none | none | none | none |
| 0 |   | CITRU\_MLI |   | CITRU\_MLI | Hybrids between *Citrus medica* L. and *Citrus ×limon* (L.) Osbeck  |   | none | none | none | none |
| 0 | TG/201 | CITFO\_RHI |   | CITRU\_RJA | Hybrids between *Citrus reticulata* Blanco and *Citrus japonica* Thunb. | *Citrus reticulata* x Fortunella hindsii) | none | none | none | none |
| 1 |   | CITRU\_RDE |   | CITRU\_RAM | Hybrids between *Citrus reticulata* Blanco and *Citrus ×aurantium*L. var. *chrysocarpa*(Hassk.) ined. |   | none | none | none | none |
| 1 |   | CITRU\_RAU |   | CITRU\_RAU | Hybrids between Citrus reticulata Blanco and Citrus australasica F. Muell. |   | none | none | none | none |
| 10 |   | CITRO\_RTR |   | CITRU\_RTI | Hybrids between *Citrus reticulata* Blanco and *Citrus trifoliata* L. | *Citrus reticulata* Blanco × *Poncirus trifoliata* (L.) Raf. | Citrandarin | Citrandarin | none | none |
| 13 |   | CITRU\_RCL |   | CITRU\_RAM | 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 |   | CITRU\_RAM | 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 |   | CITRU\_TLI | Hybrids between *Citrus trifoliata* L. and *Citrus ×limon* (L.) Osbeck | Hybrids between *Poncirus trifoliata* and *Citrus limon* | none | none | none | none |
| 0 |   | CITRU\_ALA |   | CITRU\_ALA | Hybrids between *Citrus ×aurantium*L. and *Citrus latipes* (Swingle) Tanaka |   | none | none | none | none |
| 0 |   | CITRU\_CTA |   | CITRU\_AUM | 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 |   | CITRU\_AUM | 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  |   | 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  |   | 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  |   | CITRU\_AUM | 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  |   | CITRU\_AMX | 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 |   | CITRU\_ATR | 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  |   | CITRU\_AUM | 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  |   | CITRU\_AUM | 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  |   | 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  |   | CITRU\_LAU | Hybrids between *Citrus ×limon* (L.) Osbeck and *Citrus ×aurantiifolia* (Christm.) Swingle |   | none | none | none | none |
| 32 |   | CITRO\_CTR |   | CITRU\_ATR | Hybrids between *Citrus ×aurantium* L. and *Citrus trifoliata L.* | *Citrus clementina × Poncirus trifoliata* | none | none | none | none |
| 0 |   | CITRU\_NTA  |   | CITRU\_AUM\_CHR | Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined. | *Citrus nobilis* Lour. x *C. tangerina* Hort ex Tan | none | none | none | none |
| 0 |   | CITRU\_NTE  |   | CITRU\_AUM\_CHR | Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined. | *Citrus nobilis × Citrus temple* | none | none | none | none |
| 0 | TG/201 | CITRU\_OTO  |   | CITRU\_AUM\_CHR | Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined. |  | none | none | none | none |
| 0 |   | CITRO\_STR  |   | CITRU\_ATR | Hybrids between Citrus ×aurantium L. var. chrysocarpa (Hassk.) ined. and Citrus trifoliata L. | hybrids between *Citrus sunki* (Hayata) hort. ex Tanaka and *Poncirus trifoliata* (L.) Raf. | none | none | none | none |
| 1 | TG/201 | CITRU\_MCA |   | CITRU\_MCA | hybrids between *Citrus maxima* (Burm.) Merr. and *Citrus cavaleriei* H. Lév. ex Cavalerie |   | none | none | none | none |
| 2 |   | CITRO\_HYB  |   | CITRU\_HYB | *Citrus hybr.* | *×Citroncirus hybr.* | none | none | none | none |
| 0 | TG/204 | CITRU\_AMP |   | CITRU\_HYB | *Citrus hybr.* | *Citrus ampullacea* hort. ex Tanaka | none | none | none | none |
| 0 | TG/204 | CITRU\_ASA |   | CITRU\_HYB | *Citrus hybr.* | *Citrus asahikan* hort. ex Tanaka | none | none | none | none |
| 0 | TG/203 | CITRU\_ASS |   | CITRU\_HYB | *Citrus hybr.* | *Citrus assamensis* S. Dutta & S. C. Bhattach. | none | none | none | none |
| 0 | TG/204 | CITRU\_AUC |   | CITRU\_HYB | *Citrus hybr.* | *Citrus aurantiaca* hort. ex Tanaka | none | none | none | none |
| 0 | TG/202 | CITRU\_AUE |   | CITRU\_HYB | *Citrus hybr.* | *Citrus aurea* hort. ex Tanaka | none | none | none | none |
| 0 | TG/202 | CITRU\_CAN |   | CITRU\_HYB | *Citrus hybr.* | *Citrus canaliculata* hort. ex Yu. Tanaka | kikudaidai | none | none | none |
| 0 | TG/203 | CITRU\_LON |   | CITRU\_HYB | *Citrus hybr.* | *Citrus longilimon* Tanaka | none | none | none | none |
| 0 | TG/203 | CITRU\_MAC |   | CITRU\_HYB | *Citrus hybr.* | *Citrus macrolimon* Tanaka | colo | none | none | none |
| 0 | TG/203 | CITRU\_PSN |   | CITRU\_HYB | *Citrus hybr.* | *Citrus pseudolimon* 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[[7]](#footnote-8) | 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 |
| 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 |
| **Total** |  | **28,154** | **257** | **218** | **56** | **193** | **196** | **273** |

[End of Annex II and document]

1. Technical Committee, sixtieth session, held in Geneva on October 21 and 22, 2024. See document TC/60/8 “Report”, paragraph 40 [↑](#footnote-ref-2)
2. Held in Geneva, on October 21 and 22, 2024. [↑](#footnote-ref-3)
3. Held in Geneva, on October 21 and 22, 2024. [↑](#footnote-ref-4)
4. Held in Geneva, on October 25 and 26, 2021. [↑](#footnote-ref-5)
5. Technical Committee, sixtieth session, held in Geneva on October 21 and 22, 2024. See document TC/60/8 “Report”, paragraph 56 [↑](#footnote-ref-6)
6. 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”. [↑](#footnote-ref-7)
7. see document C/58/7

Highlighted in grey indicates data provided via the CPVO. [↑](#footnote-ref-8)