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

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| Technical Committee  Sixtieth Session  Geneva, October 21 and 22, 2024  Administrative and Legal Committee  Eighty-First Session  Geneva, October 23, 2024 | SESSIONS/2024/5  Original: English  Date: September 27, 2024 |

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 provide an update on developments concerning UPOV Codes; and the PLUTO database.

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

The structure of this document is as follows:

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

ANNEX II: TC PROPOSAL TO THE TWF FOR AMENDING THE UPOV CODES FOR CITRUS AND RELATED GENERA AND SPECIES (IN ENGLISH ONLY)

The following abbreviations are used in this document:

CAJ: Administrative and Legal Committee

GRIN: Germplasm Resources Information Network

TC: Technical Committee

TWA: Technical Working Party for Agricultural Crops

TWF: Technical Working Party for Fruit Crops

TWM: Technical Working Party for Testing Methods and Techniques

TWO: Technical Working Party for Ornamental Plants and Forest Trees

TWP(s): Technical Working Party(ies)

TWV: Technical Working Party for Vegetables

# Amendments to UPOV codes

## UPOV codes for Citrus

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

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

### Background:

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Old | | | | | New | | |
| Entries in PLUTO | TG | UPOV Code | Principal botanical name | Other botanical name(s) | UPOV Code | Principal botanical name | Other botanical name(s) |
| 10 | TG/202 | CITRU\_AUM | *Citrus aurantium* L. | n.a. | CITRU\_AUM**\_1MA**  CITRU\_AUM**\_2OR** | Citrus ×*aurantium* L. | *Citrus* *amara* Link; *Citrus* *bigarradia* Loisel.; *Citrus* *intermedia* hort. ex Tanaka; *Citrus* *taitensis* Risso; *Citrus* *vulgaris* Risso; *Citrus* ×*aurantium* subsp. *aurantium* L.; *Citrus* ×*aurantium* subsp. *jambiri* Engl.; *Citrus* ×*aurantium* subsp. *keonla* Engl.; *Citrus* ×*aurantium* subsp. *suntara* Engl.; *Citrus* ×*aurantium* var. *aurantium* L.; *Citrus* ×*aurantium* var. *citrina* Lush.; *Citrus* ×*bigarradia* var. *volkameriana* Risso; *Citrus* ×*clementina* hort. ex Tanaka; *Citrus* ×*crenatifolia* Lush.; *Citrus* *reticulata* × C. *maxima* |
| 115 | TG/201 | CITRU\_CLE | *Citrus clementina* hort. ex Tanaka | n.a. |
| 1 | / | CITRU\_MRE | *Citrus maxima* X *Citrus reticulata* | n.a. |
| 0 | TG/201 | CITRU\_CRE | *Citrus crenatifolia* Lush. | n.a. |
| 0 | TG/204 | CITRU\_INT | *Citrus intermedia* hort. ex Tanaka | n.a. |

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

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

Matters for information

## PLUTO database

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 I 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 (application number or grant number) is implemented in PLUTO.
* Validity: Denominations that are empty or dates that are invalid must be identified and corrected.
* Consistency: Application/grant numbers should be consistent within the data provided by an authority.
* Accuracy: It is crucial to identify species correctly and link them to the UPOV code to test denominations accurately. PLUTO has a rigorous process to propose UPOV codes and validate them with contributors.
* Completeness: The quality of PLUTO would benefit from receiving complete sets of data contributions from all UPOV members. (pro domo: this is already comprised by timeliness above)

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[[1]](#footnote-2).

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

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

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

*TWP checking*

Section 4.3 (d) of the “Guide to the UPOV Code System” provides the following:

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

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

Amendments to UPOV codes

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

### UPOV codes for redundant genera in the GENIE database

The TC, at its fifty-ninth session[[2]](#footnote-3), agreed to delete the UPOV codes for 53 redundant genera in the GENIE databaseas presented in the following table. The redundant UPOV codes were deleted (reclassified genera) and the UPOV codes for the accepted taxa were updated to include information from the previously accepted taxa under “other botanical names”.

| GENIE database | | GRIN database | GENIE database | |
| --- | --- | --- | --- | --- |
| Reclassified genera | UPOV code to be deleted | Accepted genera name | UPOV code  (accepted genera in GRIN) | Relevant Technical Working Party(ies) |
| *Acanthopanax* | ACNTP | *Eleutherococcus* | ELEUT | TWO |
| *Acmena* | ACMEN | *Syzygium* | SYZYG | TWO, TWF |
| *Ajania* | AJANI | *Chrysanthemum* | CHRYS | TWO |
| *Ammophila* | AMMOP | *Calamagrostis* | CALMG | TWO |
| *Anagallis* | ANAGA | *Lysimachia* | LYSIM | TWO |
| *Belamcanda* | BELAM | *Iris* | IRISS | TWO |
| *Cardaria* | CARDA | *Lepidium* | LEPID | TWO, TWV |
| *Castalis* | CASTL | *Dimorphotheca* | DIMOR | TWO |
| *Chamaecytisus* | CHMCT | *Cytisus* | CYTIS | TWO |
| *Cheiranthus* | CHEIR | *Erysimum* | ERYSI | TWO |
| *Cimicifuga* | CIMIC | *Actaea* | ACTAE | TWO |
| *Cnicus* | CNICU | *Centaurea* | CENTA | TWO |
| *Cochlioda* | COCHD | *Oncidium* | ONCID | TWO |
| *Coluria* | COLUR | *Geum* | GEUMM | TWO |
| *Crypsis* | CRYPS | *Sporobolus* | SPORO | TWO, TWA |
| *Daemonorops* | DAEMO | *Calamus* | CALAM | TWO |
| *Dichroa* | DICHR | *Hydrangea* | HYDRN | TWO |
| *Dodecatheon* | DODEC | *Primula* | PRIMU | TWO |
| *Fortunella* | FORTU | *Citrus* | CITRU | TWO, TWF |
| *Gaura* | GAURA | *Oenothera* | OENOT | TWO |
| *Hebe* | HEBEE | *Veronica* | VERON | TWO |
| *Hemidiodia* | HEMID | *Oenothera* | OENOT | TWO |
| *Hylocereus* | HYLOC | *Selenicereus* | SELEN | TWO, TWV, TWF |
| *Laurentia* | LAURE | *Lobelia* | LOBEL | TWO |
| *Lychnis* | LYCHN | *Silene* | SILEN | TWO, TWV |
| *Manfreda* | MANFR | *Agave* | AGAVE | TWO, TWV |
| *Manglietia* | MANGL | *Magnolia* | MAGNO | TWO |
| *Menziesia* | MENZI | *Rhododendron* | RHODD | TWO |
| *Miyamayomena* | MIYAM | *Aster* | ASTER | TWO |
| *Odontoglossum* | ODONT | *Oncidium* | ONCID | TWO |
| *Parakmeria* | PARAK | *Magnolia* | MAGNO | TWO |
| *Pedilanthus* | PEDIL | *Euphorbia* | EUPHO | TWO, TWV |
| *Pennisetum* | PENNI | *Cenchrus* | CENCH | TWO, TWA |
| *Poncirus* | PONCI | *Citrus* | CITRU | TWO, TWF |
| *Porphyra* | PORPH | *Callicarpa* | CALLC | TWO, TWV |
| *Pratia* | PRATI | *Lobelia* | LOBEL | TWO |
| *Pulsatilla* | PULSA | *Anemone* | ANEMO | TWO |
| *Rhagodia* | RHAGO | *Chenopodium* | CHENO | TWO, TWA |
| *Rollinia* | ROLLI | *Annona* | ANNON | TWF |
| *Schizophragma* | SCHIO | *Hydrangea* | HYDRN | TWO |
| *Sclerostachya* | SCLRS | *Miscanthus* | MISCA | TWO |
| *Sedirea* | SEDIR | *Phalaenopsis* | PHALE | TWO |
| *Sophronitis* | SOPHR | *Cattleya* | CATTL | TWO |
| *Stephanandra* | STEPH | *Neillia* | NEILL | TWO |
| *Tacitus* | TACIT | *Graptopetalum* | GRATP | TWO |
| *Taxodiomeria* | TAXDI | *Taxodium* | TAXOD | TWO |
| *Trichloris* | TRICL | *Leptochloa* | LPTOC | TWO |
| *Uncinia* | UNCIN | *Carex* | CAREX | TWO |
| *Vaccaria* | VACCA | *Gypsophila* | GYPSO | TWO |
| *Vetiveria* | VETIV | *Chrysopogon* | CHRPG | TWO |
| *Vulpia* | VULPI | *Festuca* | FESTU | TWO, TWA |
| *Waldsteinia* | WALDS | *Geum* | GEUMM | TWO |
| *Xanthocyparis* | XNTHC | *Cupressus* | CUPRE | TWO |

### UPOV codes for Brassica oleracea

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

| UPOV code | Botanical names in GENIE | Botanical names in GRIN | Group name |
| --- | --- | --- | --- |
| BRASS\_OLE\_ALB | *Brassica oleracea* L. var. *alboglabra* (L. H. Bailey) Musil  *Brassica alboglabra* L. H. Bailey; *Brassica oleracea*  var. *albiflora* auct. | *Brassica oleracea*  L. var. *alboglabra* (L. H. Bailey) Musil (*Brassica oleracea*  Chinese Kale or Kailaan Group) | *Brassica oleracea*  L. (Chinese Kale or Kailaan Group) |
| BRASS\_OLE\_COS | *Brassica oleracea*  L. var. *costata* DC.  *Brassica capitata* subsp. *costata* (DC.) Lizg.; *Brassica oleracea*  convar. *acephala* var. *luteola* Alef.; *Brassica oleracea*  subsp. *oleracea* convar. *costata* (DC.) Gladis; *Brassica oleracea*  var. *tronchuda* L.H. Bailey | *Brassica oleracea*  L. var. *costata* DC. (*Brassica oleracea*  Portuguese Kale Group) | *Brassica oleracea*  L. (Tronchuda Group) |
| BRASS\_OLE\_GA | *Brassica oleracea*  L. convar. *acephala* (DC.) Alef. | *Brassica oleracea*  L. var. *sabellica* L. (*Brassica oleracea*  Kale Group) | *Brassica oleracea*  L. (Kale Group) |
| BRASS\_OLE\_GAM | *Brassica oleracea*  L. convar. *acephala* (DC.) Alef. var. *medullosa* Thell.  *Brassica oleracea*  L. var. *medullosa* Thell. | *Brassica oleracea*  L. var. *medullosa* Thell. (*Brassica oleracea*  Marrowstem Kale Group) | *Brassica oleracea*  L. (Marrowstem Kale Group) |
| BRASS\_OLE\_GAR | *Brassica oleracea*  L. var. *ramosa* DC. | *Brassica oleracea*  L. var. *ramosa* DC. (*Brassica oleracea*  Thousand Head Kale Group) | *Brassica oleracea*  L. (Thousand Head Kale Group) |
| BRASS\_OLE\_GAS | *Brassica oleracea*  L. convar. *acephala* (DC.) Alef. var. *sabellica* L.  *Brassica oleracea*  L. var. *sabellica* L. | *Brassica oleracea*  L. var. *sabellica* L. (*Brassica oleracea*  Acephala Group) | *Brassica oleracea*  L. (Curly kale Group) |
| BRASS\_OLE\_GBB | *Brassica oleracea*  L. convar. *acephala* (DC.) Alef. var. *viridis* L.  *Brassica oleracea*  L. var. *viridis* L. | *Brassica oleracea*  L. var. *viridis* L. (*Brassica oleracea*  Collard Group) | *Brassica oleracea*  L. (Collard Group) |
| BRASS\_OLE\_GBC | *Brassica oleracea*  L. var. *italica* Plenck  *Brassica oleracea*  L. var. *botrytis* L. subvar. *cymosa* Duchesne; *Brassica oleracea*  L. var. *cymosa* (Duchesne) DC.; *Brassica oleracea*  subvar. *cymosa* Duchesne | *Brassica oleracea*  L. var. *italica* Plenck (*Brassica oleracea*  Broccoli Group) | *Brassica oleracea*  L. (Broccoli Group) |
| BRASS\_OLE\_GC | *Brassica oleracea*  L. convar. *capitata* (L.) Alef.  *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *alba* DC. x *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *rubra* (L.) Thell.; *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *capitata* (L.) Alef.; *Brassica oleracea*  L. var. *capitata* L. | *Brassica oleracea*  L. var. *capitata* L. (*Brassica oleracea*  Red Cabbage and White/Green Cabbage Groups) | *Brassica oleracea*  L. (Cabbage Group) |
| BRASS\_OLE\_GCA | *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. alba DC.  *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *capitata* L. f. alba DC. | *Brassica oleracea*  L. var. *capitata* L. (*Brassica oleracea*  White Cabbage Group) | *Brassica oleracea*  L. (White Cabbage Group) |
| BRASS\_OLE\_GCR | *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *rubra* (L.) Thell.  *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *capitata* L. f. *rubra* (L.) Thell. | *Brassica oleracea*  L. var. *capitata* L. (*Brassica oleracea*  Red Cabbage Group) | *Brassica oleracea*  L. (Red Cabbage Group) |
| BRASS\_OLE\_GCS | *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *sabauda* L.  *Brassica oleracea*  L. convar. *capitata* (L.) Alef. var. *bullata* DC. | *Brassica oleracea*  L. var. sabauda L. (*Brassica oleracea*  Savoy Cabbage Group) | *Brassica oleracea*  L. (Savoy Cabbage Group) |
| BRASS\_OLE\_GGM | *Brassica oleracea*  L. var. *gemmifera* Zenker  *Brassica oleracea*  L. convar. *oleracea* var. *gemmifera* DC.; *Brassica subspontanea* lizg | *Brassica oleracea*  L. var. *gemmifera* DC. (*Brassica oleracea*  Brussels Sprouts Group) | *Brassica oleracea*  L. (Brussels Sprouts Group) |
| BRASS\_OLE\_GGO | *Brassica oleracea*  L. var. *gongylodes* L.  *Brassica caulorapa* (DC.) Pasq.; *Brassica oleracea*  L. convar. *acephala* (DC.) Alef. var. *gongylodes* L.; *Brassica oleracea*  var. *caulorapa* DC. | *Brassica oleracea*  L. var. gongylodes L. (*Brassica oleracea*  Kohlrabi Group) | *Brassica oleracea*  L. (Kohlrabi Group) |
| BRASS\_OLE\_PAL | *Brassica oleracea*  L. var. *palmifolia* DC. | *Brassica oleracea*  L. var. *palmifolia* DC. (*Brassica oleracea*  Jersey Kale or Palmtree Kale Group) | *Brassica oleracea*  L. (Palm Kale Group) |

### UPOV codes for Cichorium intybus

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| UPOV code | Principal botanical name | Group name | Other botanical names in GENIE | English | French | German | Spanish |
| CICHO\_INT\_1WIT | *Cichorium intybus* L. | Witloof Chicory Group | *Cichorium intybus* L. | Witloof chicory | Endive | Chicorée | Endivia |
| CICHO\_INT\_FOL | *Cichorium intybus* L. | Leaf Chicory Group | *Cichorium intybus* L. var. *foliosum* Hegi | Salad Chicory; Leaf chicory | Chicorée à feuille; Chicorée italienne | Salatzichorie | Achicoria |
| CICHO\_INT\_SAT | *Cichorium intybus* L. | Industrial Chicory Group | *Cichorium intybus* L. var. *sativum* DC. | Industrial Chicory; Large-rooted Chicory | Chicorée à café | Wurzelzichorie | Achicoria de café |
| CICHO\_INT\_2FOR | *Cichorium intybus* L. | Forage Chicory Group | *Cichorium intybus* L. | Forage Chicory | Chicorée fourrage | Futterzichorie | Achicoria forrajera |

## UPOV codes for Zea mays

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

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

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

### Other amendments to UPOV codes agreed by the TC In 2023

The following UPOV codes were deleted and reclassified under “other botanical names” of valid taxa:

* CLEOM\_HAS, CLEOM\_SPI;
* EPIPH\_ANG;
* CALAT\_CRO, CALAT\_LOE, CALAT\_ROS, CALAT\_WAR, CALAT\_LRO;
* OSTEO\_ECK, OSTEO\_FRU, OSTEO\_ECC;
* CASTL\_TRA;
* BERBE\_AQU, BERBE\_EUR, BERBE\_NIT, BERBE\_PUM, BERBE\_REP;
* DESCH\_FLE;
* UNCIN, UNCIN\_DIV, UNCIN\_EGM, UNCIN\_RUB and UNCIN\_UNC.

[Annexes follow]

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

| Contributor | | Number of applications for PBR in 2023[[3]](#footnote-4) | Number of new data submissions to PLUTO | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2019 | 2020 | 2021 | 2022 | 2023 | 2024 (as of July 12, 2024) |
| African Intellectual Property Organization | OA | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Albania | AL | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | AR | 425 | 3 | 0 | 7 | 30 | 17 | 10 |
| Australia | AU | 296 | 21 | 5 | 5 | 16 | 8 | 0 |
| Austria | AT | 0 | 5 | 4 | 0 | 0 | 3 | 1 |
| Azerbaijan | AZ | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belarus | BY | 25 | 0 | 1 | 0 | 0 | 1 | 1 |
| Belgium | BE | 3 | 4 | 3 | 5 | 0 | 4 | 4 |
| Bolivia (Plurinational State of) | BO | 6 | 0 | 1 | 0 | 0 | 1 | 0 |
| Bosnia and Herzegovina | BA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brazil | BR | 397 | 11 | 3 | 2 | 9 | 8 | 7 |
| Bulgaria | BG | 21 | 10 | 3 | 0 | 6 | 6 | 3 |
| Canada | CA | 399 | 11 | 11 | 0 | 3 | 12 | 7 |
| Chile | CL | 91 | 4 | 5 | 3 | 4 | 6 | 4 |
| China | CN | 16,184 | 1 | 1 | 3 | 0 | 0 | 1 |
| Colombia | CO | 115 | 0 | 2 | 0 | 1 | 0 | 0 |
| Costa Rica | CR | 9 | 0 | 2 | 1 | 0 | 0 | 0 |
| Croatia | HR | 15 | 2 | 2 | 0 | 1 | 1 | 1 |
| Czech Republic | CZ | 45 | 7 | 9 | 0 | 4 | 6 | 2 |
| Denmark | DK | 5 | 10 | 10 | 0 | 0 | 0 | 3 |
| Dominican Republic | DO | 16 | 0 | 0 | 1 | 2 | 1 | 1 |
| Ecuador | EC | 90 | 0 | 1 | 1 | 0 | 0 | 0 |
| Egypt | EG | 73 | 0 | - | - | 1 | 2 | 1 |
| Estonia | EE | 3 | 6 | 3 | 0 | 2 | 4 | 3 |
| European Union | QZ | 2,866 | 9 | 7 | 2 | 9 | 7 | 5 |
| Finland | FI | n/a | 3 | 2 | 0 | 4 | 1 | 2 |
| France | FR | 117 | 12 | 8 | 0 | 8 | 9 | 4 |
| Georgia | GE | 13 | 0 | 0 | 1 | 0 | 1 | 0 |
| Germany | DE | 26 | 10 | 8 | 0 | 9 | 5 | 2 |
| Ghana | GH | 0 | - | - | - | 0 | 0 | 0 |
| Hungary | HU | 16 | 13 | 14 | 0 | 5 | 9 | 4 |
| Iceland | IS | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Ireland | IE | 2 | 3 | 1 | 0 | 2 | 2 | 2 |
| Israel | IL | 71 | 0 | 1 | 0 | 2 | 1 | 0 |
| Italy | IT | 4 | 5 | 6 | 0 | 1 | 1 | 0 |
| Japan | JP | 591 | 1 | 2 | 1 | 0 | 0 | 0 |
| Jordan | JO | 7 | 0 | 0 | 1 | 0 | 0 | 0 |
| Kenya | KE | 103 | 0 | 0 | 1 | 0 | 1 | 0 |
| Kyrgyzstan | KG | 2 | 0 | 0 | 1 | 0 | 0 | 0 |
| Latvia | LV | 16 | 1 | 2 | 0 | 2 | 0 | 0 |
| Lithuania | LT | 5 | 5 | 4 | 0 | 2 | 1 | 1 |
| Mexico | MX | 230 | 0 | 4 | 1 | 2 | 2 | 3 |
| Montenegro | ME | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morocco | MA | 73 | 0 | 1 | 1 | 1 | 0 | 0 |
| Netherlands (Kingdom of the) | NL | 856 | 12 | 12 | 0 | 7 | 11 | 4 |
| New Zealand | NZ | 118 | 6 | 7 | 3 | 6 | 6 | 3 |
| Nicaragua | NI | 59 | 0 | 1 | 1 | 1 | 0 | 0 |
| North Macedonia | MK | n/a | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | NO | 15 | 7 | 3 | 0 | 4 | 3 | 1 |
| Oman | OM | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Panama | PA | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Paraguay | PY | 42 | 0 | 0 | 1 | 2 | 1 | 0 |
| Peru | PE | 28 | 1 | 0 | 1 | 1 | 2 | 0 |
| Poland | PL | 159 | 3 | 4 | 0 | 2 | 4 | 4 |
| Portugal | PT | 0 | 1 | 4 | 0 | 0 | 3 | 1 |
| Republic of Korea | KR | 625 | 3 | 1 | 1 | 0 | 0 | 1 |
| Republic of Moldova | MD | 17 | 2 | 2 | 3 | 1 | 1 | 0 |
| Romania | RO | 33 | 5 | 4 | 0 | 1 | 3 | 1 |
| Russian Federation | RU | 852 | 3 | 1 | 1 | 0 | 0 | 0 |
| Serbia | RS | 20 | 1 | 2 | 2 | 1 | 3 | 1 |
| Singapore | SG | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Slovakia | SK | 6 | 4 | 3 | 0 | 0 | 2 | 2 |
| Slovenia | SI | 1 | 3 | 2 | 0 | 2 | 2 | 1 |
| South Africa | ZA | 318 | 3 | 0 | 1 | 0 | 0 | 0 |
| Spain | ES | 51 | 4 | 8 | 0 | 7 | 5 | 2 |
| Sweden | SE | 0 | 8 | 9 | 0 | 7 | 5 | 4 |
| Switzerland | CH | 57 | 6 | 8 | 1 | 3 | 7 | 4 |
| Trinidad and Tobago | TT | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | TN | 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Türkiye | TR | 233 | 1 | 0 | 0 | 0 | 1 | 0 |
| Ukraine | UA | 768 | 5 | 0 | 0 | 0 | 6 | 10 |
| United Kingdom | GB | 819 | 8 | 8 | 0 | 7 | 7 | 7 |
| United Republic of Tanzania | TZ | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| United States of America | US | 305 | 12 | 10 | 0 | 13 | 1 | 8 |
| Uruguay | UY | 55 | 0 | 1 | 1 | 1 | 1 | 0 |
| Uzbekistan | UZ | 95 | 0 | 0 | 1 | 0 | 0 | 0 |
| Viet Nam | VN | 201 | 0 | 0 | 0 | 1 | 0 | 3 |
| OECD | QM | - | 2 | 2 | 0 | 0 | 1 | 1 |
| **Total** |  | **28,154** | **257** | **218** | **56** | **193** | **196** | **130** |

[Annex II follows]

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

Excel tables and assembled version in PDF are available at: <https://www.upov.int/meetings/en/details.jsp?meeting_id=80839>

[End of Annex II and of document]

1. See documents C/[session]/INF/6 “List of the taxa protected by the members of the Union; C/[session]/INF/5 “Cooperation in Examination”; TC/[session]/INF/4 “List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability”; and TC/[session]/2 “Test Guidelines”. [↑](#footnote-ref-2)
2. Technical Committee, fifty-ninth session, held in Geneva on October 23 and 24, 2023. See document TC/59/28 “Report” paragraph 44 [↑](#footnote-ref-3)
3. see document C/58/7

   Highlighted in grey indicates data provided via the CPVO. [↑](#footnote-ref-4)