



TWF/35/3

ORIGINAL: English

DATE: June 24, 2004

# INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

## TECHNICAL WORKING PARTY FOR FRUIT CROPS

**Thirty-Fifth Session**  
**Marquardt (Potsdam), Germany**  
**July 19 to 23, 2004**

### UPOV INFORMATION DATABASES

*Document prepared by the Office of the Union*

1. The purpose of this document is to provide an update on developments concerning the Plant Variety Database (UPOV-ROM), the GENIE database and the UPOV Code System and to identify where the input of the Technical Working Party for Fruit Crops (TWF) has been requested by the Technical Committee (TC).

#### Abbreviations

CAJ:	Administrative and Legal Committee
TC:	Technical Committee
TC-EDC:	Enlarged Editorial Committee
TWP:	Technical Working Party
TWA:	Technical Working Party for Agricultural Crops
TWC:	Technical Working Party on Automation and Computer Programs
TWF:	Technical Working Party for Fruit Crops
TWO:	Technical Working Party for Ornamental Plants and Forest Trees
TWV:	Technical Working Party for Vegetables
WG-PVD:	<i>Ad hoc</i> Working Group on the Publication of Variety Descriptions
WG-VD:	<i>Ad hoc</i> Working Group on Variety Denominations

Background Documents (chronological order)

TC/39/13: UPOV Information Databases (considered by the TC in April, 2003)

Annex I: List of taxa (approx. 7,000) with proposed UPOV codes (botanical name order)

Annex II: Annex I sorted by UPOV code order

TC/39/14-CAJ/47/5: Review of UPOV-ROM Plant Variety Database

TWV/37/6: UPOV Information Databases

Annex I: List of taxa relevant to TWV, selected from TC/39/13 Annex I by TWV Chairman (botanical name order)

Annex II: List of taxa relevant to TWV, selected from TC/39/13 Annex I by TWV Chairman (UPOV code order)

TWA/32/3: UPOV Information Databases

Annex I: List of taxa relevant to TWA, selected from TC/39/13 Annex I by TWA Chairman (botanical name order)

Annex II: List of taxa relevant to TWA, selected from TC/39/13 Annex I by TWA Chairman (UPOV code order)

TWO/36/3: UPOV Information Databases

Annex I: List of taxa relevant to TWO, selected from TC/39/13 Annex I by TWO Chairman (botanical name order)

Annex II: List of taxa relevant to TWO, selected from TC/39/13 Annex I by TWO Chairman (UPOV code order)

TWF/34/3: UPOV Information Databases

Annex I: List of taxa relevant to TWF, selected from TC/39/13 Annex I by TWF Chairman (botanical name order)

Annex II: List of taxa relevant to TWF, selected from TC/39/13 Annex I by TWF Chairman (UPOV code order)

Annex III: New UPOV codes proposed by TWF Chairman

TC/40/6-CAJ/49/4: UPOV Information Databases (considered by the TC in March 2004, and by the CAJ in April 2004)

Annex I: Proposed modifications to the UPOV codes proposed in document TC/39/13 Annex I (botanical name order)

Annex II: Proposed modifications to the UPOV codes proposed in document TC/39/13 Annex I (UPOV Code order)

Annex III: Unchecked entries in document TC/39/13 Annexes I and II

Annex IV: Additional entries for taxa not included in TC/39/13 Annexes I and II (presented in both botanical and UPOV code order)

## UPOV CODE SYSTEM

2. At its thirty-ninth session held in Geneva from April 7 to 9, 2003, the TC agreed, on the basis of document TC/39/13, to the following code construction for the UPOV Code System:

- (a) an alphabetic element of five letters (e.g. XXXXX) indicating the genus;
- (b) a three-letter element (e.g. YYY) indicating the species;
- (c) where relevant, a further element of up to three characters (e.g. ZZ1) indicating a sub-specific unit;

thus, 

XXXXX_YYY_ZZ1
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(d) in all cases, the five-letter genus code is to be provided, but the three-letter species code and the sub-specific code are only provided where necessary.

3. The following work program for the development of the UPOV Code System was agreed by the TC at its thirty-ninth session:

(a) the TC to invite the TWPs, the WG-PVD and the WG-VD to examine the codes provided in this document, during their meetings in 2003, and make their recommendations on the suitability of the codes;

(b) the Office of the Union (the Office) to maintain the current database, adding new taxa and codes as required, including the addition of codes for taxa contained in the UPOV-ROM which are not already included in the database;

(c) the Office to prepare a document, explaining this approach, for consideration by the CAJ at its forty-eighth session, to be held in Geneva on October 20 and 21, 2003;

(d) the Office to modify, where necessary, the UPOV codes on the basis of the input from the TWPs, WG-PVD, WG-VD and CAJ, and present a document for consideration by the TC at its fortieth session to be held in spring 2004;

(e) subject to comments received from the TC and CAJ, the Office to make the necessary preparations for contributors to use the UPOV Code System, starting in Summer 2004.

4. The CAJ considered document CAJ/48/4 at its forty-eighth session, held in Geneva on October 20 and 21, 2003. It agreed to the approach for the development of a UPOV code and the work program for the development and introduction of the proposed UPOV code, as set out in paragraph 16 of document CAJ/48/4, and the proposal for the development of the GENIE database.

5. The WG-PVD did not meet in October 2003 and, therefore, has not commented on document TC/39/13. However, all members of the WG-PVD, who are also members of the TC and CAJ, have had an opportunity to comment on the document via these committees.

Recommendations on the Suitability of the Codes Proposed in Document TC/39/13

6. With regard to recommendations from the TWPs and the WG-VD on the suitability of the codes in document TC/39/13, Annex I and Annex II, the following comments were received:

(a) Inter-generic and inter-specific codes: Use of the symbol “X”

7. The TWA noted that inter-generic hybrids used the letter “X” as the fifth letter in the genus element of the UPOV code (e.g. Festulolium: UPOV code “FESTX,” Triticale: UPOV code “TRITX”). At the WG-VD, and in subsequent comments, the rapporteur of the International Code of Nomenclature for Cultivated Plants (ICNCP) noted that:

“the multiplication sign ‘X’ is used in botany as an optional device to indicate hybridity. It is not part of a name in any sense and may or may not be applied according to the wishes and opinions of a botanical author or editor. What one person considers a hybrid, may not be so considered by another, thus we may see *Solanum tuberosum* or *Solanum x tuberosum* if the writer of the second version understands the potato species to be of hybrid origin. Therefore, I would strongly suggest that you do not use the letter ‘X’ in your codes.”

8. The TC agreed to avoid the use of the letter “X” to indicate hybrids and the relevant codes have been amended accordingly.

(b) Inter-generic and inter-specific codes: Providing a UPOV code

9. It was noted by some experts that breeding developments can result in inter-generic hybrids which could result in “grey areas” between genera.

10. The TC agreed that the UPOV code should reflect the taxonomic classification. Thus, if a genus exists for a hybrid formed between two genera (e.g. Triticale), the “genus element” of the UPOV code would be based on the “hybrid” genus. Where a genus for hybrids does not exist, a code will not be created and varieties bred from two genera would be classified according to the available codes. Where confusion concerning variety denominations could arise, it would be possible to create a new variety denomination class containing, for example, two genera and hybrids between those genera.

11. Following the TC session, a further possibility to address hybrid genera (and species) has been put forward by the WIPO IT expert developing the GENIE database: A new genus (or species), formed as a hybrid between other genera (or species) would be given a new UPOV code. However, in the database, a link would be made between the parent genera (or species) and the new hybrid. Thus, when searching, it would be possible to search on a UPOV code, but to automatically receive the results on all related codes:

Example: Hybrid genus formed between *Carlus x Phillipus*

<u>Genus</u>	<u>UPOV Code</u>
<i>Carlus</i>	CARLU_(linked to CAPHI_)
<i>Phillipus</i>	PHILL_(linked to CAPHI_)
<i>Carlus x Phillipus</i>	CAPHI_(linked to CARLU_ and PHILL_)

A search on “CARLU” (*Carlus*) would automatically provide all varieties of *Carlus* and the hybrid genus *Carlus x Phillipus*. A search on “PHILL” (*Phillipus*) would automatically provide all varieties of *Phillipus* and the hybrid genus *Carlus x Phillipus*. A search on “CAPHI” (*Carlus x Phillipus*) would provide all varieties of *Carlus*, *Phillipus* and the hybrid genus *Carlus x Phillipus*. Thus, for example, if it was the case that *Carlus* and *Phillipus* were in different variety denomination classes, the hybrid could, if required, be considered in both classes.

(c) Multiple-ranked names: *Brassica* and *Beta*

12. With regard to “multiple-ranked names”, in relation to *Brassica* and *Beta*, the rapporteur of the ICNCP commented that:

“Use of names such as *Beta vulgaris* subsp. *cicla* var. *flavescens* should be avoided [...]. The International Code of Nomenclature for Cultivated Plants in its 1995 and 2004 editions, promulgates using *Beta vulgaris* Flavescens Group which equates to *Beta vulgaris* Swiss Chard Group (in English). Your UPOV code could thus be BETAA\_VUL\_FG.

“Similarly, *Brassica oleracea* Gemmifera Group (BRASS\_OLE\_GG) (based on *B. oleracea* var. *gemmifera* would equate to *Brassica oleracea* Brussels Sprout Group (in English) and *B. oleracea* Groupe du Chou de Bruxelles (in French) and *B. oleracea* Rosenkohl Gruppe (in German) etc.

“In fact these names could be shortened further since the epithets of infraspecific ranked names are always unique. Thus *Beta* Flavescens Group will always equate to Swiss Chard and *Brassica* Gemmifera Group will always equate to Brussels Sprout. You may therefore wish to consider using the formats [BETAA\_FLA\_GP] and [BRASS\_GEM\_GP] (the last two letters would indicate that you [are] using the Group method, especially if you ensure that the \_GP combination is not used elsewhere in the UPOV Codes: it does not appear in the version you sent me).

“This simplified but accurate naming system is becoming more widely adopted by users of plant names.”

The Chairman of the TWV expressed his support for the ICNCP comments.

13. The TC noted that the proposal from the rapporteur of the International Code of Nomenclature for Cultivated Plants (ICNCP) appeared to have potential advantages. However, it was also noted that, until now, UPOV had not used this system in relation to naming for variety denomination classes and Test Guidelines. Nevertheless, it recognized that once the codes were adopted it would be difficult to introduce a change at a later time, and it therefore proposed that this matter should be considered by the TC before the codes were finalized. To avoid delay in the agreement of codes, it agreed that the Office, in conjunction with the chairmen of the TC, TWA and TWV, should develop a proposal for consideration by the TWA, TWV and the WG-VD. If the proposal was agreed by all parties, this would be the basis for codes for *Beta* and *Brassica*. In the absence of agreement by all

parties, the code would be based on the proposals presented in Annexes I and II of document TC/40/6-CAJ/49/4.

14. The Office has developed two options for simplifying the UPOV codes for *Beta* and *Brassica*. In both options, numbers are used for the groups to indicate that a group approach is being taken.

Option 1 (Groups within a species)

Groups are made within a species and the UPOV code for groups within the same species will all have the same root e.g.:

<u>Botanical name</u>	<u>Group name</u>	<u>UPOV code</u>
<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>alba</i> D.C	Brassica oleracea (White Cabbage Group)	BRASS_OLE_05
<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>sabauda</i> D.C	Brassica oleracea (Savoy Cabbage Group)	BRASS_OLE_06
<i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell.	Brassica rapa (Turnip Group)	BRASS_RAP_02

This would allow all groups within a species to be linked by the UPOV code e.g. BRASS\_OLE = *Brassica oleracea*.

Option 2 (Groups within a genus)

Groups are made within a genus and the UPOV code for groups within the same species will not have a common root e.g.:

<u>Botanical name</u>	<u>Group name</u>	<u>UPOV code</u>
<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>alba</i> D.C	Brassica (White Cabbage Group)	BRASS_007
<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>sabauda</i> D.C	Brassica (Savoy Cabbage Group)	BRASS_008
<i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell.	Brassica (Turnip Group)	BRASS_014

15. The new codes according to these two options are presented for *Beta* in Annex I and *Brassica* in Annex II. In the case of *Brassica*, part (a) is presented in current UPOV code order; part (b) in UPOV code order according to Option 1; and part (c) in UPOV code order according to Option 2.

16. Option 1 would allow all groups within a species to be linked by the UPOV code e.g. BRASS\_OLE = *Brassica oleracea* and would require little change to the existing database of codes. However, the UPOV code could not, for example, be used to group White Cabbage,

Red Cabbage and Savoy Cabbage varieties – currently combined under *Brassica oleracea* L. convar. *capitata* (L.) Alef. (BRASS\_OLE\_C) in the database.

17. Option 2 would not allow any inter-group linking directly by means of the UPOV code. Thus, the UPOV code could not be used to group *Brassica rapa* into a single group as distinct from, for example, *Brassica oleracea*. It would also be necessary to decide how to code the species for which groups had not been created (see entries 74-128 in Annex II, part (c)) and, in particular, if they would continue to use the current UPOV code basis of genus / species / subspecies, or if all taxa within such genera would have to be classified into groups.

18. The TWV, at its thirty-eighth session, held in Seoul, Republic of Korea, from June 7 to 11, 2004, agreed that option 1 (groups within a species) should be followed, subject to modification of the sub-specific element of the code. With respect to the sub-specific element of the code, the TWV agreed that this should be in the form of letters, rather than numbers. Mr. Niall Green (United Kingdom) was requested to present proposals on that basis to the Office of the Union at the beginning of August 2004.

19. If option 1 or 2, or another proposal, is not agreed, the current proposed UPOV codes, as set out in the second column of Annexes I and II of this document, will be retained.

(d) Checking of Codes

20. During the course of 2003, the chairpersons of each TWP selected genera and species from document TC/39/13, Annexes I and II, which were reviewed by their respective TWP. Annexes I and II of document TC/39/13 each contain around 7,000 entries. A total of around 4,500 entries was selected for checking by at least one TWP. Of the 2,500 entries which were not allocated to a TWP, around 1,800 were linked to names stabilized by the International Seed Testing Association (ISTA) and the TC-EDC, at its meeting on January 14, 2004, considered that, on that basis, it was not necessary to seek checks on the codes.

21. Annex I (presented in order of botanical name) and Annex II (presented in UPOV code order) of document TC/40/6-CAJ/49/4 containing amendments recommended by the appointed experts, to document TC/39/13 Annexes I and II, were presented to the TC at its fortieth session.

22. In addition to checking the codes presented in the Annexes to document TC/39/13, some of the appointed experts proposed codes for genera and species which were not already included in the list. Furthermore, the Office reviewed the UPOV-ROM (version 2003/03) and identified other genera and species for which codes were required. Annex IV to document TC/40/6-CAJ/49/4 proposed codes for those genera and species, together with the countries/organizations entering data in the UPOV-ROM and what was considered to be the most relevant TWP for checking purposes.

23. Concerning the approximately 600 previously unchecked entries presented in Annex III to document TC/40/6-CAJ/49/4 and the new entries proposed in Annex IV to document TC/40/6-CAJ/49/4, the TC agreed that these should be checked by the appropriate TWP during the 2004 sessions. Where, after consultation with the TWP chairmen, an appropriate TWP could not be clearly identified, the country contributing data for the genera / species concerned would be identified and requested to check the code. In the meantime, the codes in

Annexes III and IV of document TC/40/6-CAJ/49/4 would be included in the GENIE database.

24. On the basis explained in (a) to (d) above, the TC agreed to the codes as presented in Annexes I and II of document TC/40/6-CAJ/49/4. In agreeing the codes, the TC noted that, with the exception of some of the codes developed for taxa with the International Seed Testing Association (ISTA) stabilized names, these Annexes presented codes as checked and amended by the appointed TWP experts.

25. In accordance with the request of the TC (see paragraph 22), Annex III of this document contains the codes which, it is proposed, should be checked by the TWF. Annex III (a) presents the entries in botanical name order. Annex III (b) presents the entries in order of the using authorities. It should be noted that the order in Annex III (b) is determined by the first using authority (alphabetically) for each entry and individual searches would be needed to identify all entries relevant for each using authority. To aid the experts in the checking of these codes, the Office can, if required, provide an Excel spreadsheet containing all UPOV codes in which the codes to be checked by each expert would be highlighted.

#### Procedure for Introduction and Amendment of Codes

26. The TWC agreed with the structure of the code and the proposed program for its introduction. It recommended that the database should indicate which TWP would be responsible for checking the validity of each code. It also agreed that, where appropriate, the GENIE database should indicate the relevant Test Guidelines for each code and, furthermore, that the third element of the code should be used to generate different codes for different types of varieties of the same species or sub-species, which were covered by different Test Guidelines. The TWC agreed that new codes created by the Office could be used immediately but such new codes should be reviewed by the relevant TWP at their annual sessions.

27. The TWC recommended that the code should, in general, not be changed as a result of a change in the botanical name of a species. However, it recognized that a change in the structure and content of a genus may require a change in the UPOV code to ensure that the first element of the code could be used to sort species into the correct genus - this being of particular importance for variety denomination purposes (see Recommendation 9 of document UPOV/INF/12 Rev. "UPOV Recommendations on Variety Denominations").

28. It was recognized that new UPOV codes and amendments to existing codes would need to be introduced in a timely manner to ensure the effectiveness of the databases which are built around the UPOV Code System. It was also recognized that the information linked to the codes may need to be updated from time to time, for example to introduce synonyms generated by taxonomic developments.

29. The following procedure for the introduction and amendment of codes was agreed by the TC on the basis of the comments received:

(1) Responsibility for the UPOV Code System

The Office is responsible for the UPOV Code System and the individual codes.



(2) Repository of UPOV Codes

The definitive collection of UPOV codes will exist exclusively in the GENIE database.

(3) Introduction of New UPOV Codes / Amendments to UPOV Codes

(a) In the first instance, the Office will draft a code on the basis of the Germplasm Resources Information Network (GRIN) database, or other suitable references if the species concerned is not included in the GRIN database.

(b) Where the Office is aware of relevant experts for the genus or species concerned, or is advised of such experts, for example by the proposer of a new code, it will, wherever possible, check its proposals with those experts before creating the code.

(c) New codes might be proposed by any party, but it is expected that the majority of proposals will be made by contributors to the Plant Variety Database. Where the Office receives such proposals, it will respond by updating the GENIE database with the new codes in a timely manner and, in particular, will seek to ensure that new codes are available to allow their use for the forthcoming edition of the Plant Variety Database. In addition, the Office will add new codes where it identified a need.

(d) In general, amendments to codes will not be made as a result of taxonomic developments unless these result in a change to the genus classification of a species. The UPOV recommendations on variety denominations are based on the general principle that, unless the list of classes applies, all taxonomic units which belong to the same genus are closely related. Therefore, it is important that the first element of the code can be used to sort species into the correct genus. The codes will also be amended if there are consequences for the content of a variety denomination class where the list of classes applies. Amendments to UPOV codes will be handled by the same procedure as the introduction of new codes as in paragraphs (a) and (b), above. However, in addition, all members of the Union and contributors of data to the Plant Variety Database will be informed of any amendments.

(e) New and amended codes will be presented to the relevant TWP(s) for comment at their first available session. If the TWP recommends any change, this will be treated as an amendment according to paragraph (d), above.

(4) Updating of Information Linked to UPOV Codes

(a) UPOV codes might need to be updated to take account of, for example, changes in taxonomic classification, new information on common names, etc. In the case of changes of taxonomic classification, this might, although it is emphasized that this is not necessarily the case (see section (3)(d), above), result in a need to change the UPOV code. In such cases, the procedure is as explained in section (3), above. In other cases, the Office will amend the information linked to the existing code as appropriate.

(b) The TC, the TWPs and individual communications from members and observers of these bodies will be the principle routes by which the Office will update its information.

30. The TC agreed that members of the Union and other contributors should be encouraged to start to use the UPOV codes when contributing data to the UPOV-ROM as soon as the GENIE database is made available on the UPOV Website. Guidance on how to use the GENIE database for this purpose will be issued at that time. However, in the first instance, such use will be optional.

#### PLANT VARIETY DATABASE

31. The TC, at its thirty-ninth session, and the CAJ, at its forty-eighth session, approved a program to improve the effectiveness of the UPOV-ROM Plant Variety Database as set out in document TC/39/14-CAJ/47/5.

32. Document TC/39/14-CAJ/47/5 explained that certain aspects, raised by the responses to the Questionnaire on how the effectiveness of the UPOV-ROM might be improved (“the questionnaire”), could be addressed without any structural changes to the UPOV-ROM and could be undertaken by the Office within the “short term,” i.e. during the course of 2003. However, other aspects would require major structural improvements, such as moving to a Web-based database which would need careful consideration in terms of resource requirements for both the Office and the members of the Union who contribute data. Nevertheless, it was considered appropriate for the Office to investigate these aspects and undertake a preliminary assessment of benefits and costs during the course of 2003.

33. A factor which has been taken into account in the program to improve the Plant Variety Database has been the project for a centralized database of variety denominations being undertaken by the Community Plant Variety Office (CPVO) (“the CPVO variety denomination database”). That project is intended to develop a Web-based database for variety denomination examination purposes, but relies on a database of information which should be essentially the same as that of the UPOV Plant Variety Database. It was recognized that there would be mutual benefit in both parties cooperating in their work and a Memorandum of Agreement (the Memorandum) is being developed. The purpose of that Memorandum is to set out cooperation for the development and maintenance of the Web-based UPOV Plant Variety Database and CPVO variety denomination database in a way which will minimize the overall cost of development, maximize the completeness of the UPOV Plant Variety Database and CPVO variety denomination database and secure compatibility of both databases. In addition to a close cooperation in the development of the database, another important field of collaboration will be the sharing of the UPOV-CPVO efforts to collect information for populating and maintaining the database, thereby avoiding duplication of work.

34. With regard to moving the Plant Variety Database to a Web-based system, it has been concluded that it will be possible for this to be undertaken within available resources. The CPVO plans to have a first version of the CPVO variety denomination database available on line at the end of 2004 and it is recognized that, in order to maximize efficiency in the work, the CPVO variety denomination database and Plant Variety Database should, as far as possible develop side-by-side. It is also noted that the development of the UPOV Code System and GENIE database are critical for both databases. With regard to a timetable for the introduction of the Web-based Plant Variety Database, it is anticipated that a prototype would be presented to the TC and CAJ at their forty-first and fifty-first sessions, respectively, in 2005, with a view to the launch taking place later in 2005. The following aspects, concerning

the development of a Web-based database, are explored for information and detailed proposals will be put forward with the prototype.

### Development of a Web-based Plant Variety Database

#### *Data to be Included*

35. An important aspect of the Web-based Plant Variety Database will be the fields which should be completed by contributors. At its thirty-ninth session, the TC clarified that any proposals to change the fields in the UPOV-ROM to be considered as mandatory would need to be agreed by the members of the Union. The TWA agreed that the Web-based Plant Variety Database should have a field which allowed the variety denomination class for each UPOV code to be indicated. The TWC agreed that consideration should be given to the creation of a field to indicate whether the variety denomination is in the form of a “code,” rather than a “fancy name.”

36. With regard to the indication of the UPOV variety denomination class for each UPOV code, this information will be provided by the GENIE database which would be linked to the Plant Variety Database. Similarly, the botanical name(s) and common name(s) would also be provided by the GENIE database.

#### *Maintenance, Transfer and Use of Data and Access to Data*

##### (a) Maintenance of Data

37. The responses to the questionnaire and discussions with the CPVO concerning the CPVO variety denomination database highlighted that the quality and completeness of the data in the Plant Variety Database is crucial for its value. The importance of this is such that certain key ways in which UPOV and CPVO can cooperate in ensuring high quality data are planned to be included in the Memorandum.

38. It is expected that improving the ease of transfer of data (see section (b)(i) below, “Transfer of Data: Data Format”) will help to remove obstacles for some authorities which do not currently contribute data. Nevertheless, it is recognized that there may remain authorities which do not have the resources to contribute data electronically and where UPOV would need to consider provisions for manual inputting of data from printed gazettes. In this respect, two options are possible. One option is for the Office to divert some of its resources to this activity. A second option is for members of the Union to assist in this work.

##### (b) Transfer of Data

###### (i) Data Format

39. A key development in the introduction of the Web-based Plant Variety Database will be to make the transfer of data by contributors easier. At present, the data must be submitted in a specified “TAG” format. However, it is anticipated that, for the Web-based Plant Variety Database, it will be possible to submit data in simple table form (e.g. Microsoft Word table or Excel spreadsheet), thus making it much easier for authorities without specialized IT

resources to submit data. Nevertheless, it is emphasized that the Web-based Plant Variety Database will continue to accept data in the current format as provided for the UPOV-ROM.

(ii) Data Quality Checks

40. At present, it is not practical to perform meaningful checks on the quality of data transferred. However, electronic checking systems would be introduced to check the accuracy of the data being transferred into the database. These would be able to identify, for example, unexpected dates for a field, inconsistent formats, etc.

(iii) Frequency of Data Submission

41. Currently, for the UPOV-ROM, contributors are requested to provide data on a bimonthly basis. Clearly, increasing the frequency of updating data will improve the value of the Plant Variety Database. However, in their responses to the questionnaire, a number of contributors indicated that increasing the frequency of submission of data might not be achievable. The Web-based Plant Variety Database will be developed in such a way that data can be submitted at any frequency (e.g. a daily basis) but would allow, as is the case for the UPOV-ROM, for contributors to update their data at a frequency less than the standard frequency.

(c) Use of Data

42. The Plant Variety Database is of primary value in relation to variety denomination information for authorities. However, UPOV would like to retain the possibility, which exists with the UPOV-ROM, to utilize the information which will be contained in the Web-based Plant Variety Database in order to provide additional services to breeders and other users in a way which would, if considered appropriate, allow income generation for UPOV.

43. In order to develop the possibility of UPOV using the Web-based Plant Variety Database for income generation, it would be important for recipients of the raw data to use the data in a way which did not undermine such an approach. In particular, it is anticipated that use of the data by authorities to allow breeders to check possible compliance of variety denominations would not, in itself, undermine the income generating possibilities of the database. However, it would be necessary for each authority to consider how to use the data in a way which did not undermine the UPOV scope for income generation without affecting the service it offered to breeders with regard to variety denomination requirements, which it may wish to make free of charge.

(d) Access to Raw Data for Third Parties

44. The entire data in electronic form is considered as the raw data. It is proposed that the current UPOV policy with regard to access to raw data for parties other than members of the Union and contributors of data (third parties) be retained. Thus, raw data would only be available to members of the Union and contributors of data and would not be available to third parties.

45. In making this proposal it is recognized that it would be important for the Web-based Plant Variety Database to have an effective search capability, which would satisfy the demands of third party users, without a need for access to the raw data as such.

*Links to Other Websites*

46. It is anticipated that allowing breeders to check, in advance, their proposed variety denominations in all territories in which their variety might be registered would reduce the risk of a different variety denomination subsequently being required in different territories. Therefore, one aim in the development of the Web-based Plant Variety Database will be to create a single point of reference for variety denomination checking purposes. Thus, a breeder wishing to check a proposed variety denomination for suitability in several territories could visit the UPOV Website to navigate around the relevant sources of information. Some members of the Union may provide their variety denomination checking software to UPOV in order that users might check their proposed variety denominations on the UPOV Website. However, in other cases, such services may only be available via the authority itself, although it is hoped that their database would be based on the Web-based Plant Variety Database. In such cases, the UPOV Website could provide links to the Websites of such authorities.

47. It is proposed that members of the Union should inform the Office if they wish the UPOV Website to include their software for searching the suitability of variety denominations.

48. In addition to the type of data already included in the UPOV-ROM, there is certain information which may be useful for the examination of proposed variety denominations, but is not considered appropriate for inclusion in the database itself. Examples of such data include information on trademarks and the information held by the International Cultivar Registration Authorities (ICRAs). In order for the UPOV Website to provide a common point of reference for variety denomination checking purposes, it is proposed that the UPOV Website would provide indices and links to the appropriate Web pages or contact details of trademark offices, ICRAs and other useful sources of information.

49. The TC noted the information above and welcomed the program of cooperation between UPOV and the Community Plant Variety Office (CPVO) in the development of software and maintenance of data concerning their respective databases.

50. The TC noted that the Office would present an initial prototype of its Web-based Plant Variety Database at the forty-first session of the TC in 2005, together with proposals concerning the fields to be included and proposals for which fields might be considered to be mandatory. The TC considered that the matter of frequency of updating of the Web-based Plant Variety Database should be considered in conjunction with the presentation of the prototype and that consideration of the establishment of links to relevant Websites for variety denomination checking purposes could also be considered at that time.

51. With regard to the proposal for manual inputting of data from printed gazettes, the TC noted that improving the ease of contributing data was likely to increase the number of countries contributing data and that it would be appropriate to assess the need for manual input of data at a later stage.

Short-Term Improvements to the UPOV-ROM

52. A consequence of progress on moving the Plant Variety Database to a Web-based system is that the proposed program concerning the short-term improvements to the UPOV-ROM, as identified in paragraph 23 of document TC/39/14-CAJ/47/5, has been

revised. Given that a new Web-based version of the Plant Variety Database is planned to be available during 2005, it would not be an efficient use of the Office's resources to pursue the developments listed below for the existing UPOV-ROM:

- revise the user's guide, including translation into all four UPOV languages;
- provide the user's guide on the UPOV Website;
- include UPOV documents which provide information on members of the Union with experience of a particular species;
- develop a "leaflet" summarizing the uses of the UPOV-ROM for authorities and other users;
- investigate the possibility of saving or printing lists of sorted / selected data; and
- investigate the possibility of including the set-up software with each UPOV-ROM.

53. It was proposed, instead, that the developments listed above, with regard to the UPOV-ROM, should be cancelled and incorporated into the introduction of the new Web-based Plant Variety Database.

54. One proposal for short-term improvements was to develop proposals for training for the purposes of contributing data to the UPOV-ROM and for use of the UPOV-ROM. In that respect, it had been planned to include training on the Plant Variety Database in the UPOV Workshops on Data Handling, held in conjunction with the TWC. It is now planned that this will go ahead, but will be modified to reflect the latest developments.

55. The remaining short-term proposals are related to improving the completeness of data provided by contributors and consideration of making raw data available to third party users for an additional charge. These matters are covered above in relation to the development of the Web-based Plant Variety Database.

56. The TC agreed that, in the light of developments concerning a Web-based Plant Variety Database, the planned short-term improvements to the UPOV-ROM should not be pursued. However, it agreed that training for the purposes of contributing data to the Plant Variety Database and for its use should go ahead. The TC noted that the UPOV-ROM would continue to be produced on the current basis and noted that, for some users, a CD-ROM media may offer advantages compared to a Web-based system. The Office confirmed that it would not discontinue production of the CD-ROM without further consultation.

## GENIE DATABASE

57. The GENIE database cannot be launched until the UPOV codes have been approved. However, document TC/40/4 "List of species in which practical knowledge has been acquired or for which national test guidelines have been established" was produced from the GENIE database in its prototype form. During the course of summer 2004 the GENIE database will be increasingly populated with UPOV codes and corresponding information, with the aim of completing the prototype database in October 2004. The launch of the GENIE database on

the UPOV Website is scheduled to take place at the end of 2004 / beginning of 2005. However, from November 2004 contributors to the UPOV-ROM should be able to receive an electronic copy of the prototype GENIE database to generate codes for submitting with their UPOV-ROM data.

58. *The TWF is invited to:*

*(a) comment on the proposals concerning UPOV codes for inter-generic and inter-specific hybrids (see paragraphs 9 to 11);*

*(b) check the codes presented in Annex III of this document (see paragraphs 20 to 25); and*

*(c) note developments concerning the Plant Variety Database and GENIE database.*

[Annex I follows]

## ANNEX I

NEW CODES  
for  
BETA

Line no.	UPOV Code (Current & Option 1)	Botanical name	New classification	UPOV Code (Option 2)	Common Name	Source Document
1	BETAA_	Beta ssp.		BETAA_		TC_39_4x
2	BETAA_VUL_	Beta vulgaris		???		TC_39_4x
3	BETAA_VUL_	* Beta vulgaris L.		???		ISTA
4	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. alba DC.	Beta (Fodder Beet Group)	BETAA_01	Fodder Beet	TC/35/16(1)
5	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. alba DC. [var. crassa Alef.; var. crassa Mansf.; var. rapacea K. Koch]	Beta (Fodder Beet Group)	BETAA_01	Fodder Beet	C_36_5
6	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. alba DC. [var. crassa Alef.; var. crassa Mansf.; var. rapacea K. Koch]	Beta (Fodder Beet Group)	BETAA_01	Fodder Beet	C_36_6
7	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. alba DC. [var. crassa Alef.; var. crassa Mansf.]	Beta (Fodder Beet Group)	BETAA_01		TC_39_4x
8	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. crassa Alef.	Beta (Fodder Beet Group)	BETAA_01	Fodder Beet	TC/35/16(1)
9	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. crassa Mansf.	Beta (Fodder Beet Group)	BETAA_01	Fodder Beet	TC/35/16(1)
10	BETAA_VUL_V1	Beta vulgaris L. ssp. vulgaris var. rapacea K. Koch	Beta (Fodder Beet Group)	BETAA_01	Fodder Beet	TC/35/16(1)
11	BETAA_VUL_V2	Beta vulgaris L. ssp. vulgaris var. conditiva Alef.	Beta (Beetroot Group)	BETAA_02	Garden Beet, Beetroot	TC/35/16(1)
12	BETAA_VUL_V2	Beta vulgaris L. ssp. vulgaris var. conditiva Alef. [var. esculenta L.; var. hortensis; var. vulgaris]	Beta (Beetroot Group)	BETAA_02	Garden Beet, Beetroot	C_36_5
13	BETAA_VUL_V2	Beta vulgaris L. ssp. vulgaris var. conditiva Alef. [var. esculenta L.; var. hortensis; var. vulgaris]	Beta (Beetroot Group)	BETAA_02	Garden Beet, Beetroot	C_36_6
14	BETAA_VUL_V2	Beta vulgaris L. ssp. vulgaris var. conditiva Alef. [var. esculenta L.; var. hortensis]	Beta (Beetroot Group)	BETAA_02		TC_39_4x
15	BETAA_VUL_V2	Beta vulgaris L. ssp. vulgaris var. esculenta L.	Beta (Beetroot Group)	BETAA_02	Garden Beet, Beetroot	TC/35/16(1)
16	BETAA_VUL_V2	Beta vulgaris L. ssp. vulgaris var. hortensis	Beta (Beetroot Group)	BETAA_02	Garden Beet, Beetroot	TC/35/16(1)
17	BETAA_VUL_V3	Beta vulgaris L. ssp. vulgaris var. cicla (L.) Ulrich	Beta (Chard Group)	BETAA_03	Mangel, Leaf Beet, Spinach Beet	TC/35/16(1)
18	BETAA_VUL_V3	Beta vulgaris L. ssp. vulgaris var. flavescens DC. f. crispa	Beta (Chard Group)	BETAA_03	Mangel, Swiss Chard	TC/35/16(1)
19	BETAA_VUL_V3	Beta vulgaris L. ssp. vulgaris var. flavescens DC. f. crispa	Beta (Chard Group)	BETAA_03		TC_39_4x
20	BETAA_VUL_V3	Beta vulgaris L. ssp. vulgaris var. vulgaris [var. cicla (L.) Ulrich]	Beta (Chard Group)	BETAA_03	Mangel, Leaf Beet, Spinach Beet	C_36_5
21	BETAA_VUL_V3	Beta vulgaris L. ssp. vulgaris var. vulgaris [var. cicla (L.) Ulrich]	Beta (Chard Group)	BETAA_03		TC_39_4x



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Line no.	UPOV Code (Current & Option 1)	Botanical name	New classification	UPOV Code (Option 2)	Common Name	Source Document
22	BETAA_VUL_V3	Beta vulgaris L. ssp. vulgaris var. vulgaris* [var. cicla (L.) Ulrich]	Beta (Chard Group)	BETAA_03	Mangel, Leaf Beet, Spinach Beet	C_36_6
23	BETAA_VUL_V4	Beta vulgaris L. ssp. vulgaris var. altissima Doell	Beta (Sugar Beet Group)	BETAA_04	Sugar Beet	TC/35/16(1)
24	BETAA_VUL_V4	Beta vulgaris L. ssp. vulgaris var. altissima Doell [var. saccharifera Alef.]	Beta (Sugar Beet Group)	BETAA_04	Sugar Beet	C_36_5
25	BETAA_VUL_V4	Beta vulgaris L. ssp. vulgaris var. altissima Doell [var. saccharifera Alef.]	Beta (Sugar Beet Group)	BETAA_04	Sugar Beet	C_36_6
26	BETAA_VUL_V4	Beta vulgaris L. ssp. vulgaris var. altissima Doell [var. saccharifera Alef.]	Beta (Sugar Beet Group)	BETAA_04		TC_39_4x
27	BETAA_VUL_V4	Beta vulgaris L. ssp. vulgaris var. saccharifera Alef.	Beta (Sugar Beet Group)	BETAA_04	Sugar Beet	TC/35/16(1)

[Annex II follows]

## ANNEX II

NEW CODES  
for  
BRASSICA

Line no.	UPOV Code (Current)	Botanical name	New classification	UPOV Code (Option 1)	UPOV Code (Option 2)	Common Name	Source Document
<b>(a) UPOV CODE ORDER (CURRENT)</b>							
(a)1	BRASS_CAR	<i>Brassica carinata</i> A. Braun	-	BRASS_CAR	???	Abyssinian Mustard, Texsel Greens	TC/35/16(1)
(a)2	BRASS_CAR	<i>Brassica carinata</i> A. Braun	-	BRASS_CAR	???	-	TC_39_4x
(a)3	BRASS_CAR	<i>Brassica carinata</i> L.	-	BRASS_CAR	???	-	TC_39_4x
(a)4	BRASS_JUN	* <i>Brassica juncea</i> (L.) Czern.	-	BRASS_JUN	???	-	ISTA
(a)5	BRASS_JUN	<i>Brassica juncea</i> (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	Brown Mustard	C_36_5
(a)6	BRASS_JUN	<i>Brassica juncea</i> (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	Brown Mustard	TC/35/16(1)
(a)7	BRASS_JUN	<i>Brassica juncea</i> (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???		TC_39_4x
(a)8	BRASS_JUN	<i>Brassica juncea</i> (L.) Czern. et Coss. in Czern.*	-	BRASS_JUN	???	Brown Mustard	C_36_6
(a)9	BRASS_NAP	<i>Brassica napus</i> hort.	-	BRASS_NAP	???	-	TC_39_4x
(a)10	BRASS_NAP	* <i>Brassica napus</i> L.	-	BRASS_NAP	???	-	ISTA
(a)11	BRASS_NAP	* <i>Brassica napus</i> L.	-	BRASS_NAP	???	-	TC/35/16(1)
(a)12	BRASS_NAP	* <i>Brassica napus</i> L.	-	BRASS_NAP	???	-	TC_39_4x
(a)13	BRASS_NAP	* <i>Brassica napus</i> L.	-	BRASS_NAP	???	-	C_36_6
(a)14	BRASS_NAP	<i>Brassica napus</i> L. [partim]	-	BRASS_NAP	???	-	TC_39_4x
(a)15	BRASS_NAP_NPB	<i>Brassica napus</i> L. ssp. <i>rapifera</i> Metzg.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	TC/35/16(1)
(a)16	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	TC/35/16(1)
(a)17	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	-	TC_39_4x
(a)18	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb. [ssp. <i>rapifera</i> Metzg.]	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	C_36_5
(a)19	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.* [ssp. <i>rapifera</i> Metzg.]	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	C_36_6
(a)20	BRASS_NAP_NPS	<i>Brassica napus</i> L. emend. Metzg. ssp. <i>napus</i>	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(a)21	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(a)22	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg., B. <i>napus</i> var. <i>napus</i> ; B. <i>napus</i> L. emend. Metzg. ssp. <i>napus</i> ]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	C_36_5
(a)23	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg.]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	-	TC_39_4x

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Line no.	UPOV Code (Current)	Botanical name	New classification	UPOV Code (Option 1)	UPOV Code (Option 2)	Common Name	Source Document
(a)24	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk* [ <i>B. napus</i> L.; <i>B. napus</i> L. var. <i>oleifera</i> Metzg., <i>B. napus</i> var. <i>napus</i> ; <i>B. napus</i> L. emend. Metzg. ssp. <i>napus</i> ]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	C_36_6
(a)25	BRASS_NAP_NPS	<i>Brassica napus</i> L. var. <i>oleifera</i> Metzg.	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	-	sub
(a)26	BRASS_NAP_NPS	<i>Brassica napus</i> var. <i>napus</i>	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(a)27	BRASS_NIG	* <i>Brassica nigra</i> (L.) W. D. J. Koch	-	BRASS_NIG	???		ISTA
(a)28	BRASS_NIG	<i>Brassica nigra</i> (L.) W. Koch	-	BRASS_NIG	???	Black Mustard	TC/35/16(1)
(a)29	BRASS_NIG	<i>Brassica nigra</i> (L.) W. Koch	-	BRASS_NIG	???		TC_39_4x
(a)30	BRASS_NIG	* <i>Brassica nigra</i> (L.) W.D.J. Koch	-	BRASS_NIG	???	Black Mustard	C_36_6
(a)31	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	ISTA
(a)32	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	TC/35/16(1)
(a)33	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	TC_39_4x
(a)34	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	C_36_6
(a)35	BRASS_OLE	<i>Brassica oleracea</i> L. [partim]	-	BRASS_OLE	???	-	TC_39_4x
(a)36	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef.	-	???	???	-	C_36_6
(a)37	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef.	-	???	???	-	TC/35/16(1)
(a)38	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef.	-	???	???	-	TC_39_4x
(a)39	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. [partim]	-	???	???	-	TC_39_4x
(a)40	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. [partim] [ssp. <i>acephala</i> DC.]	-	???	???	Fodder Kale	C_36_6
(a)41	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. [partim] [ssp. <i>acephala</i> DC.]	-	???	???	-	TC_39_4x
(a)42	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>viridis</i> L. + <i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	-	???	???	-	TC_39_4x
(a)43	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>viridis</i> L. + var. <i>medullosa</i> Thell.	-	???	???	Fodder Kale	C_36_5
(a)44	BRASS_OLE_A	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>viridis</i> L. + var. <i>medullosa</i> Thell.	-	???	???	Fodder Kale	C_36_6
(a)45	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	C_36_6
(a)46	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	TC/35/16(1)
(a)47	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	-	TC_39_4x
(a)48	BRASS_OLE_A1	<i>Brassica oleracea</i> L. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	TC/35/16(1)

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Line no.	UPOV Code (Current)	Botanical name	New classification	UPOV Code (Option 1)	UPOV Code (Option 2)	Common Name	Source Document
(a)49	BRASS_OLE_A2	Brassica oleracea L. convar. acephala (DC.) Alef. var. sabellica L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	Curly Kale	C_36_6
(a)50	BRASS_OLE_A2	Brassica oleracea L. convar. acephala (DC.) Alef. var. sabellica L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	-	TC_39_4x
(a)51	BRASS_OLE_A2	Brassica oleracea L. convar. acephala (DC.) Alef. var. sabellica L. [B. oleracea L. convar. acephala var. laciniata (L.) Schulz]	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	Curly Kale	C_36_5
(a)52	BRASS_OLE_A2	Brassica oleracea L. var. sabellica L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	borecole, curly kale, dwarf Siberian kale, kitchen kale, Scotch kale	TC/35/16(1)
(a)53	BRASS_OLE_A3	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L.	Brassica (Fodder Kale Group)	BRASS_OLE_03	BRASS_005	Fodder Kale	TC/35/16(1)
(a)54	BRASS_OLE_A3	Brassica oleracea L. var. viridis L.	Brassica (Fodder Kale Group)	BRASS_OLE_03	BRASS_005	collards, cow cabbage, fodder kale, kale, spring-heading cabbage, tall kale, tree kale	TC/35/16(1)
(a)55	BRASS_OLE_A4	Brassica oleracea L. var. ramosa DC.	-	???	???	catjang, catjang cowpea, sow-pea	new
(a)56	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef.	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	TC_39_4x
(a)57	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef.	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	C_36_6
(a)58	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	C_36_5
(a)59	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	C_36_6
(a)60	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	TC/35/16(1)
(a)61	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	TC_39_4x
(a)62	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	TC/35/16(1)
(a)63	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	TC_39_4x
(a)64	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	C_36_6
(a)65	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	Cabbage	TC/35/16(1)
(a)66	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	-	TC_39_4x
(a)67	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	Cabbage	C_36_6
(a)68	BRASS_OLE_C	Brassica oleracea L. var. capitata L.	-	???	???	-	TC/35/16(1)
(a)69	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. alba DC.	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	TC/35/16(1)
(a)70	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. alba DC.	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	TC/35/16(1)
(a)71	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. alba DC. [var. alba DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	C_36_5

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(a)72	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. alba DC. [var. alba DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	C_36_6
(a)73	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. alba DC. [var. alba DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	-	TC_39_4x
(a)74	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. bullata DC.	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	TC/35/16(1)
(a)75	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. sabauda L.	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	TC/35/16(1)
(a)76	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	C_36_5
(a)77	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	C_36_6
(a)78	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	-	TC_39_4x
(a)79	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell.	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	TC/35/16(1)
(a)80	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	C_36_5
(a)81	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	C_36_6
(a)82	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	-	TC_39_4x
(a)83	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. rubra (L.) Thell.	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	TC/35/16(1)
(a)84	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC.	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	TC/35/16(1)
(a)85	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC. [var. bullata DC. subvar. gemmifera DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	C_36_5
(a)86	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC. [var. bullata DC. subvar. gemmifera DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	C_36_6
(a)87	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC. [var. bullata DC. subvar. gemmifera DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	-	TC_39_4x
(a)88	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. var. gemmifera Zenker	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	TC/35/16(1)
(a)89	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. acephala (DC.) Alef. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	C_36_5
(a)90	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. acephala (DC.) Alef. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	C_36_6

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(a)91	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	TC/35/16(1)
(a)92	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	-	TC_39_4x
(a)93	BRASS_OLE_GON	<i>Brassica oleracea</i> L. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	cabbage turnip, kohlrabi, stem turnip	TC/35/16(1)
(a)94	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>cymosa</i> Duch. [var. <i>italica</i> Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	C_36_5
(a)95	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>cymosa</i> Duch. [var. <i>italica</i> Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	C_36_6
(a)96	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>cymosa</i> Duch. [var. <i>italica</i> Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	-	TC_39_4x
(a)97	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>italica</i> Plenck	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	TC/35/16(1)
(a)98	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. var. <i>italica</i> Plenck	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	asparagus broccoli, broccoli, calabrese, Cape broccoli, heading broccoli, purple cauliflower, sprouting broccoli, winter broccoli	TC/35/16(1)
(a)99	BRASS_RAP	* <i>Brassica rapa</i> L.	-	BRASS_RAP	???	-	ISTA
(a)100	BRASS_RAP	* <i>Brassica rapa</i> L.	-	BRASS_RAP	???	-	TC_39_4x
(a)101	BRASS_RAP	<i>Brassica rapa</i> L. [partim]	-	BRASS_RAP	???	-	TC_39_4x
(a)102	BRASS_RAP	* <i>Brassica rapa</i> L.*	-	BRASS_RAP	???	-	C_36_6
(a)103	BRASS_RAP_CAM	* <i>Brassica campestris</i> L.	-	BRASS_RAP_CAM	???	-	ISTA
(a)104	BRASS_RAP_CHI	* <i>Brassica chinensis</i> L.	-	???	???	-	ISTA
(a)105	BRASS_RAP_CHI	* <i>Brassica chinensis</i> L.	-	???	???	Chinese Cabbage, Pakchoi	TC/35/16(1)
(a)106	BRASS_RAP_CHI	* <i>Brassica chinensis</i> L. [B. <i>rapa</i> L. emend. Metzg. ssp. <i>chinensis</i> (L.) Hanelt]	-	???	???	Chinese Cabbage, Pakchoi	C_36_6
(a)107	BRASS_RAP_CHI	<i>Brassica rapa</i> L. emend. Metzg. ssp. <i>chinensis</i> (L.) Hanelt	-	???	???	Chinese Cabbage, Pakchoi	TC/35/16(1)
(a)108	BRASS_RAP_CHI	<i>Brassica rapa</i> L. ssp. <i>chinensis</i> Just.	-	???	???	Chinese White Cabbage, Pak Choi	C_36_6
(a)109	BRASS_RAP_NI	<i>Brassica japonica</i> sieb	-	BRASS_RAP_NI	???	-	UPOV-ROM
(a)110	BRASS_RAP_NI	<i>Brassica rapa</i> L. subsp. <i>nipposinica</i> (L. H. Bailey) Hanelt	-	BRASS_RAP_NI	???	-	UPOV-ROM
(a)111	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	-	ISTA
(a)112	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	TC/35/16(1)
(a)113	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	-	TC_39_4x
(a)114	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr. [B. <i>rapa</i> L. emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt; B. <i>Campestris</i> L. ssp. <i>pekinensis</i> (Lour.) Olsson]	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	C_36_5

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(a)115	BRASS_RAP_PEK	* Brassica pekinensis (Lour.) Rupr.* [B. rapa L. emend. Metzg. ssp. pekinensis (Lour.) Hanelt; B. Campestris L. ssp. pekinensis (Lour.) Olsson]	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	C_36_6
(a)116	BRASS_RAP_PEK	Brassica rapa L. emend. Metzg. ssp. pekinensis (Lour.) Hanelt	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	TC/35/16(1)
(a)117	BRASS_RAP_PER	* Brassica perviridis (L. H. Bailey) L. H. Bailey	-	BRASS_RAP_PER	???	-	ISTA
(a)118	BRASS_RAP_RAP	Brassica rapa L. ssp. rapa; var. rapifera Metzg.	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	TC/35/16(1)
(a)119	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell.	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	TC/35/16(1)
(a)120	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell. [ssp. rapa; var. rapifera Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	C_36_5
(a)121	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell. [ssp. rapa; var. rapifera Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	C_36_6
(a)122	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell. [var. rapifera Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	-	TC_39_4x
(a)123	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	TC/35/16(1)
(a)124	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs [var. oleifera (DC.) Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	C_36_5
(a)125	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs [var. oleifera (DC.) Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	C_36_6
(a)126	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs [var. oleifera Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	-	TC_39_4x
(a)127	???	Brassica cauliflora lizg	-	???	???	-	UPOV-ROM
(a)128	???	Brassica subspontanea lizg	-	???	???	-	UPOV-ROM
<b>(b) UPOV CODE ORDER (OPTION 1)</b>							
(b)1	BRASS_CAR	Brassica carinata A. Braun	-	BRASS_CAR	???	Abyssinian Mustard, Texsel Greens	TC/35/16(1)
(b)2	BRASS_CAR	Brassica carinata A. Braun	-	BRASS_CAR	???	-	TC_39_4x
(b)3	BRASS_CAR	Brassica carinata L.	-	BRASS_CAR	???	-	TC_39_4x
(b)4	BRASS_JUN	* Brassica juncea (L.) Czern.	-	BRASS_JUN	???	-	ISTA
(b)5	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	Brown Mustard	C_36_5
(b)6	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	Brown Mustard	TC/35/16(1)
(b)7	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	-	TC_39_4x
(b)8	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.*	-	BRASS_JUN	???	Brown Mustard	C_36_6
(b)9	BRASS_NAP	Brassica napus hort.	-	BRASS_NAP	???	-	TC_39_4x
(b)10	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	ISTA
(b)11	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	TC/35/16(1)
(b)12	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	TC_39_4x
(b)13	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	C_36_6
(b)14	BRASS_NAP	Brassica napus L. [partim]	-	BRASS_NAP	???	-	TC_39_4x
(b)15	BRASS_NAP_NPB	Brassica napus L. ssp. rapifera Metzg.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	TC/35/16(1)

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Line no.	UPOV Code (Current)	Botanical name	New classification	UPOV Code (Option 1)	UPOV Code (Option 2)	Common Name	Source Document
(b)16	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	TC/35/16(1)
(b)17	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	-	TC_39_4x
(b)18	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb. [ssp. <i>rapifera</i> Metzg.]	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	C_36_5
(b)19	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.* [ssp. <i>rapifera</i> Metzg.]	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	C_36_6
(b)20	BRASS_NAP_NPS	<i>Brassica napus</i> L. emend. Metzg. ssp. <i>napus</i>	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(b)21	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(b)22	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg., B. <i>napus</i> var. <i>napus</i> ; B. <i>napus</i> L. emend. Metzg. ssp. <i>napus</i> ]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	C_36_5
(b)23	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg.]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	-	TC_39_4x
(b)24	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk* [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg., B. <i>napus</i> var. <i>napus</i> ; B. <i>napus</i> L. emend. Metzg. ssp. <i>napus</i> ]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	C_36_6
(b)25	BRASS_NAP_NPS	<i>Brassica napus</i> L. var. <i>oleifera</i> Metzg.	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	-	sub
(b)26	BRASS_NAP_NPS	<i>Brassica napus</i> var. <i>napus</i>	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(b)27	BRASS_NIG	* <i>Brassica nigra</i> (L.) W. D. J. Koch	-	BRASS_NIG	???	-	ISTA
(b)28	BRASS_NIG	<i>Brassica nigra</i> (L.) W. Koch	-	BRASS_NIG	???	Black Mustard	TC/35/16(1)
(b)29	BRASS_NIG	<i>Brassica nigra</i> (L.) W. Koch	-	BRASS_NIG	???	-	TC_39_4x
(b)30	BRASS_NIG	* <i>Brassica nigra</i> (L.) W.D.J. Koch	-	BRASS_NIG	???	Black Mustard	C_36_6
(b)31	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	ISTA
(b)32	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	TC/35/16(1)
(b)33	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	TC_39_4x
(b)34	BRASS_OLE	* <i>Brassica oleracea</i> L.	-	BRASS_OLE	???	-	C_36_6
(b)35	BRASS_OLE	<i>Brassica oleracea</i> L. [partim]	-	BRASS_OLE	???	-	TC_39_4x
(b)36	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	C_36_6
(b)37	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	TC/35/16(1)
(b)38	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	-	TC_39_4x
(b)39	BRASS_OLE_A1	<i>Brassica oleracea</i> L. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	TC/35/16(1)
(b)40	BRASS_OLE_A2	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>sabellica</i> L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	Curly Kale	C_36_6



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(b)41	BRASS_OLE_A2	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>sabellica</i> L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	-	TC_39_4x
(b)42	BRASS_OLE_A2	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>sabellica</i> L. [ <i>B. oleracea</i> L. convar. <i>acephala</i> var. <i>laciniata</i> (L.) Schulz]	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	Curly Kale	C_36_5
(b)43	BRASS_OLE_A2	<i>Brassica oleracea</i> L. var. <i>sabellica</i> L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	borecole, curly kale, dwarf Siberian kale, kitchen kale, Scotch kale	TC/35/16(1)
(b)44	BRASS_OLE_A3	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>viridis</i> L.	Brassica (Fodder Kale Group)	BRASS_OLE_03	BRASS_005	Fodder Kale	TC/35/16(1)
(b)45	BRASS_OLE_A3	<i>Brassica oleracea</i> L. var. <i>viridis</i> L.	Brassica (Fodder Kale Group)	BRASS_OLE_03	BRASS_005	collards, cow cabbage, fodder kale, kale, spring-heading cabbage, tall kale, tree kale	TC/35/16(1)
(b)46	BRASS_OLE_BOT	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef.	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	TC_39_4x
(b)47	BRASS_OLE_BOT	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef.	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	C_36_6
(b)48	BRASS_OLE_BOT	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>botrytis</i>	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	C_36_5
(b)49	BRASS_OLE_BOT	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>botrytis</i>	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	C_36_6
(b)50	BRASS_OLE_BOT	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>botrytis</i>	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	TC/35/16(1)
(b)51	BRASS_OLE_BOT	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>botrytis</i>	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	TC_39_4x
(b)52	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>alba</i> DC.	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	TC/35/16(1)
(b)53	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>capitata</i> L. f. <i>alba</i> DC.	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	TC/35/16(1)
(b)54	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>capitata</i> L. f. <i>alba</i> DC. [var. <i>alba</i> DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	C_36_5
(b)55	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>capitata</i> L. f. <i>alba</i> DC. [var. <i>alba</i> DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	C_36_6
(b)56	BRASS_OLE_C1	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>capitata</i> L. f. <i>alba</i> DC. [var. <i>alba</i> DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	-	TC_39_4x
(b)57	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>bullata</i> DC.	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	TC/35/16(1)
(b)58	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>sabauda</i> L.	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	TC/35/16(1)
(b)59	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>sabauda</i> L. [var. <i>bullata</i> DC. + var. <i>sabauda</i> L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	C_36_5
(b)60	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>sabauda</i> L. [var. <i>bullata</i> DC. + var. <i>sabauda</i> L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	C_36_6

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(b)61	BRASS_OLE_C2	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	-	TC_39_4x
(b)62	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell.	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	TC/35/16(1)
(b)63	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	C_36_5
(b)64	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	C_36_6
(b)65	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	-	TC_39_4x
(b)66	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. capitata (L.) Alef. var. rubra (L.) Thell.	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	TC/35/16(1)
(b)67	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC.	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	TC/35/16(1)
(b)68	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC. [var. bullata DC. subvar. gemmifera DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	C_36_5
(b)69	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC. [var. bullata DC. subvar. gemmifera DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	C_36_6
(b)70	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. oleracea var. gemmifera DC. [var. bullata DC. subvar. gemmifera DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	-	TC_39_4x
(b)71	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. var. gemmifera Zenker	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	TC/35/16(1)
(b)72	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. acephala (DC.) Alef. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	C_36_5
(b)73	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. acephala (DC.) Alef. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	C_36_6
(b)74	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. acephala (DC.) Alef. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	TC/35/16(1)
(b)75	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. acephala (DC.) Alef. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	-	TC_39_4x
(b)76	BRASS_OLE_GON	<i>Brassica oleracea</i> L. var. gongylodes L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	cabbage turnip, kohlrabi, stem turnip	TC/35/16(1)
(b)77	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. botrytis (L.) Alef. var. cymosa Duch. [var. italica Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	C_36_5
(b)78	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. botrytis (L.) Alef. var. cymosa Duch. [var. italica Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	C_36_6
(b)79	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. botrytis (L.) Alef. var. cymosa Duch. [var. italica Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	-	TC_39_4x
(b)80	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. botrytis (L.) Alef. var. italica Plenck	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	TC/35/16(1)

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(b)81	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. var. <i>italica</i> Plenck	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	asparagus broccoli, broccoli, calabrese, Cape broccoli, heading broccoli, purple cauliflower, sprouting broccoli, winter broccoli	TC/35/16(1)
(b)82	BRASS_RAP	* <i>Brassica rapa</i> L.	-	BRASS_RAP	???	-	ISTA
(b)83	BRASS_RAP	* <i>Brassica rapa</i> L.	-	BRASS_RAP	???	-	TC_39_4x
(b)84	BRASS_RAP	<i>Brassica rapa</i> L. [partim]	-	BRASS_RAP	???	-	TC_39_4x
(b)85	BRASS_RAP	* <i>Brassica rapa</i> L.*	-	BRASS_RAP	???	-	C_36_6
(b)86	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	-	ISTA
(b)87	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	TC/35/16(1)
(b)88	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	-	TC_39_4x
(b)89	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr. [B. <i>rapa</i> L. emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt; B. <i>Campestris</i> L. ssp. <i>pekinensis</i> (Lour.) Olsson]	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	C_36_5
(b)90	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.* [B. <i>rapa</i> L. emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt; B. <i>Campestris</i> L. ssp. <i>pekinensis</i> (Lour.) Olsson]	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	C_36_6
(b)91	BRASS_RAP_PEK	<i>Brassica rapa</i> L. emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	TC/35/16(1)
(b)92	BRASS_RAP_RAP	<i>Brassica rapa</i> L. ssp. <i>rapa</i> ; var. <i>rapifera</i> Metzg.	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	TC/35/16(1)
(b)93	BRASS_RAP_RAP	<i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell.	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	TC/35/16(1)
(b)94	BRASS_RAP_RAP	<i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell. [ssp. <i>rapa</i> ; var. <i>rapifera</i> Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	C_36_5
(b)95	BRASS_RAP_RAP	<i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell. [ssp. <i>rapa</i> ; var. <i>rapifera</i> Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	C_36_6
(b)96	BRASS_RAP_RAP	<i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell. [var. <i>rapifera</i> Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	-	TC_39_4x
(b)97	BRASS_RAP_SIL	<i>Brassica rapa</i> L. var. <i>silvestris</i> (Lam.) Briggs	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	TC/35/16(1)
(b)98	BRASS_RAP_SIL	<i>Brassica rapa</i> L. var. <i>silvestris</i> (Lam.) Briggs [var. <i>oleifera</i> (DC.) Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	C_36_5
(b)99	BRASS_RAP_SIL	<i>Brassica rapa</i> L. var. <i>silvestris</i> (Lam.) Briggs [var. <i>oleifera</i> (DC.) Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	C_36_6
(b)100	BRASS_RAP_SIL	<i>Brassica rapa</i> L. var. <i>silvestris</i> (Lam.) Briggs [var. <i>oleifera</i> Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	-	TC_39_4x
(b)101	BRASS_RAP_CAM	* <i>Brassica campestris</i> L.	-	BRASS_RAP_CAM	???	-	ISTA
(b)102	BRASS_RAP_NI	<i>Brassica japonica</i> sieb	-	BRASS_RAP_NI	???	-	UPOV-ROM
(b)103	BRASS_RAP_NI	<i>Brassica rapa</i> L. subsp. <i>nipposinica</i> (L. H. Bailey) Hanelt	-	BRASS_RAP_NI	???	-	UPOV-ROM
(b)104	BRASS_RAP_PER	* <i>Brassica perviridis</i> (L. H. Bailey) L. H. Bailey	-	BRASS_RAP_PER	???	-	ISTA
(b)105	???	<i>Brassica cauliflora</i> lizg	-	???	???	-	UPOV-ROM
(b)106	BRASS_RAP_CHI	* <i>Brassica chinensis</i> L.	-	???	???	-	ISTA

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(b)107	BRASS_RAP_CHI	* Brassica chinensis L.	-	???	???	Chinese Cabbage, Pakchoi	TC/35/16(1)
(b)108	BRASS_RAP_CHI	* Brassica chinensis L. [B. rapa L. emend. Metzg. ssp. chinensis (L.) Hanelt]	-	???	???	Chinese Cabbage, Pakchoi	C_36_6
(b)109	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef.	-	???	???	-	C_36_6
(b)110	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef.	-	???	???	-	TC/35/16(1)
(b)111	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef.	-	???	???	-	TC_39_4x
(b)112	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. [partim]	-	???	???	-	TC_39_4x
(b)113	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. [partim] [ssp. acephala DC.]	-	???	???	Fodder Kale	C_36_6
(b)114	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. [partim] [ssp. acephala DC.]	-	???	???	-	TC_39_4x
(b)115	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L. + Brassica oleracea L. convar. acephala (DC.) Alef. var. medullosa Thell.	-	???	???	-	TC_39_4x
(b)116	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L. + var. medullosa Thell.	-	???	???	Fodder Kale	C_36_5
(b)117	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L. + var. medullosa Thell.	-	???	???	Fodder Kale	C_36_6
(b)118	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	TC/35/16(1)
(b)119	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	TC_39_4x
(b)120	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	C_36_6
(b)121	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	Cabbage	TC/35/16(1)
(b)122	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	-	TC_39_4x
(b)123	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	Cabbage	C_36_6
(b)124	BRASS_OLE_C	Brassica oleracea L. var. capitata L.	-	???	???	-	TC/35/16(1)
(b)125	BRASS_OLE_A4	Brassica oleracea L. var. ramosa DC.	-	???	???	catjang, catjang cowpea, sow-pea	new
(b)126	BRASS_RAP_CHI	Brassica rapa L. emend. Metzg. ssp. chinensis (L.) Hanelt	-	???	???	Chinese Cabbage, Pakchoi	TC/35/16(1)
(b)127	BRASS_RAP_CHI	Brassica rapa L. ssp. chinensis Jusl.	-	???	???	Chinese White Cabbage, Pak Choi	C_36_6
(b)128	???	Brassica subsponsanea lizg	-	???	???	-	UPOV-ROM
<b>(c) UPOV CODE ORDER (OPTION 2)</b>							
(c)1	BRASS_NAP_NPB	Brassica napus L. ssp. rapifera Metzg.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	TC/35/16(1)

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Line no.	UPOV Code (Current)	Botanical name	New classification	UPOV Code (Option 1)	UPOV Code (Option 2)	Common Name	Source Document
(c)2	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	TC/35/16(1)
(c)3	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	-	TC_39_4x
(c)4	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb. [ssp. <i>rapifera</i> Metzg.]	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	C_36_5
(c)5	BRASS_NAP_NPB	<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.* [ssp. <i>rapifera</i> Metzg.]	Brassica (Swede Group)	BRASS_NAP_01	BRASS_001	Swede	C_36_6
(c)6	BRASS_NAP_NPS	<i>Brassica napus</i> L. emend. Metzg. ssp. <i>napus</i>	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(c)7	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(c)8	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg., B. <i>napus</i> var. <i>napus</i> ; B. <i>napus</i> L. emend. Metzg. ssp. <i>napus</i> ]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	C_36_5
(c)9	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg.]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	-	TC_39_4x
(c)10	BRASS_NAP_NPS	<i>Brassica napus</i> L. ssp. <i>oleifera</i> (Metzg.) Sinsk* [B. <i>napus</i> L.; B. <i>napus</i> L. var. <i>oleifera</i> Metzg., B. <i>napus</i> var. <i>napus</i> ; B. <i>napus</i> L. emend. Metzg. ssp. <i>napus</i> ]	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	C_36_6
(c)11	BRASS_NAP_NPS	<i>Brassica napus</i> L. var. <i>oleifera</i> Metzg.	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	-	sub
(c)12	BRASS_NAP_NPS	<i>Brassica napus</i> var. <i>napus</i>	Brassica (Rapeseed Group)	BRASS_NAP_02	BRASS_002	Rapeseed, Swede Rape, incl. Oilseed Rape	TC/35/16(1)
(c)13	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	C_36_6
(c)14	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	TC/35/16(1)
(c)15	BRASS_OLE_A1	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	-	TC_39_4x
(c)16	BRASS_OLE_A1	<i>Brassica oleracea</i> L. var. <i>medullosa</i> Thell.	Brassica (Marrow-stem Kale Group)	BRASS_OLE_01	BRASS_003	Marrow-stem Kale	TC/35/16(1)
(c)17	BRASS_OLE_A2	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>sabellica</i> L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	Curly Kale	C_36_6
(c)18	BRASS_OLE_A2	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>sabellica</i> L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	-	TC_39_4x
(c)19	BRASS_OLE_A2	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>sabellica</i> L. [B. <i>oleracea</i> L. convar. <i>acephala</i> var. <i>laciniata</i> (L.) Schulz]	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	Curly Kale	C_36_5
(c)20	BRASS_OLE_A2	<i>Brassica oleracea</i> L. var. <i>sabellica</i> L.	Brassica (Curly Kale Group)	BRASS_OLE_02	BRASS_004	borecole, curly kale, dwarf Siberian kale, kitchen kale, Scotch kale	TC/35/16(1)

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(c)21	BRASS_OLE_A3	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L.	Brassica (Fodder Kale Group)	BRASS_OLE_03	BRASS_005	Fodder Kale	TC/35/16(1)
(c)22	BRASS_OLE_A3	Brassica oleracea L. var. viridis L.	Brassica (Fodder Kale Group)	BRASS_OLE_03	BRASS_005	collards, cow cabbage, fodder kale, kale, spring-heading cabbage, tall kale, tree kale	TC/35/16(1)
(c)23	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef.	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	TC_39_4x
(c)24	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef.	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	C_36_6
(c)25	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	C_36_5
(c)26	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	C_36_6
(c)27	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	Cauliflower	TC/35/16(1)
(c)28	BRASS_OLE_BOT	Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis	Brassica (Cauliflower Group)	BRASS_OLE_04	BRASS_006	-	TC_39_4x
(c)29	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. alba DC.	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	TC/35/16(1)
(c)30	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. alba DC.	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	TC/35/16(1)
(c)31	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. alba DC. [var. alba DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	C_36_5
(c)32	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. alba DC. [var. alba DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	White Cabbage	C_36_6
(c)33	BRASS_OLE_C1	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. alba DC. [var. alba DC.]	Brassica (White Cabbage Group)	BRASS_OLE_05	BRASS_007	-	TC_39_4x
(c)34	BRASS_OLE_C2	Brassica oleracea L. convar. capitata (L.) Alef. var. bullata DC.	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	TC/35/16(1)
(c)35	BRASS_OLE_C2	Brassica oleracea L. convar. capitata (L.) Alef. var. sabauda L.	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	TC/35/16(1)
(c)36	BRASS_OLE_C2	Brassica oleracea L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	C_36_5
(c)37	BRASS_OLE_C2	Brassica oleracea L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	Savoy Cabbage	C_36_6
(c)38	BRASS_OLE_C2	Brassica oleracea L. convar. capitata (L.) Alef. var. sabauda L. [var. bullata DC. + var. sabauda L.]	Brassica (Savoy Cabbage Group)	BRASS_OLE_06	BRASS_008	-	TC_39_4x
(c)39	BRASS_OLE_C3	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell.	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	TC/35/16(1)
(c)40	BRASS_OLE_C3	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	C_36_5
(c)41	BRASS_OLE_C3	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata L. f. rubra (L.) Thell. [var. rubra (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	C_36_6

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(c)42	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>capitata</i> L. f. <i>rubra</i> (L.) Thell. [var. <i>rubra</i> (L.) Thell.]	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	-	TC_39_4x
(c)43	BRASS_OLE_C3	<i>Brassica oleracea</i> L. convar. <i>capitata</i> (L.) Alef. var. <i>rubra</i> (L.) Thell.	Brassica (Red Cabbage Group)	BRASS_OLE_07	BRASS_009	Red Cabbage	TC/35/16(1)
(c)44	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. <i>oleracea</i> var. <i>gemmifera</i> DC.	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	TC/35/16(1)
(c)45	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. <i>oleracea</i> var. <i>gemmifera</i> DC. [var. <i>bullata</i> DC. subvar. <i>gemmifera</i> DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	C_36_5
(c)46	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. <i>oleracea</i> var. <i>gemmifera</i> DC. [var. <i>bullata</i> DC. subvar. <i>gemmifera</i> DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	C_36_6
(c)47	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. convar. <i>oleracea</i> var. <i>gemmifera</i> DC. [var. <i>bullata</i> DC. subvar. <i>gemmifera</i> DC.]	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	-	TC_39_4x
(c)48	BRASS_OLE_GEM	<i>Brassica oleracea</i> L. var. <i>gemmifera</i> Zenker	Brassica (Brussels Sprout Group)	BRASS_OLE_08	BRASS_010	Brussels Sprouts	TC/35/16(1)
(c)49	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	C_36_5
(c)50	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	C_36_6
(c)51	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	Kohlrabi	TC/35/16(1)
(c)52	BRASS_OLE_GON	<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	-	TC_39_4x
(c)53	BRASS_OLE_GON	<i>Brassica oleracea</i> L. var. <i>gongylodes</i> L.	Brassica (Kohlrabi Group)	BRASS_OLE_09	BRASS_011	cabbage turnip, kohlrabi, stem turnip	TC/35/16(1)
(c)54	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>cymosa</i> Duch. [var. <i>italica</i> Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	C_36_5
(c)55	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>cymosa</i> Duch. [var. <i>italica</i> Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	C_36_6
(c)56	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>cymosa</i> Duch. [var. <i>italica</i> Plenck]	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	-	TC_39_4x
(c)57	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>italica</i> Plenck	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	Sprouting Broccoli, Calabrese	TC/35/16(1)
(c)58	BRASS_OLE_ITA	<i>Brassica oleracea</i> L. var. <i>italica</i> Plenck	Brassica (Broccoli Group)	BRASS_OLE_10	BRASS_012	asparagus broccoli, broccoli, calabrese, Cape broccoli, heading broccoli, purple cauliflower, sprouting broccoli, winter broccoli	TC/35/16(1)
(c)59	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	-	ISTA
(c)60	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	TC/35/16(1)
(c)61	BRASS_RAP_PEK	* <i>Brassica pekinensis</i> (Lour.) Rupr.	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	-	TC_39_4x

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(c)62	BRASS_RAP_PEK	* Brassica pekinensis (Lour.) Rupr. [B. rapa L. emend. Metzg. ssp. pekinensis (Lour.) Hanelt; B. Campestris L. ssp. pekinensis (Lour.) Olsson]	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	C_36_5
(c)63	BRASS_RAP_PEK	* Brassica pekinensis (Lour.) Rupr.* [B. rapa L. emend. Metzg. ssp. pekinensis (Lour.) Hanelt; B. Campestris L. ssp. pekinensis (Lour.) Olsson]	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	C_36_6
(c)64	BRASS_RAP_PEK	Brassica rapa L. emend. Metzg. ssp. pekinensis (Lour.) Hanelt	Brassica (Chinese Cabbage Group)	BRASS_RAP_01	BRASS_013	Chinese Cabbage	TC/35/16(1)
(c)65	BRASS_RAP_RAP	Brassica rapa L. ssp. rapa; var. rapifera Metzg.	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	TC/35/16(1)
(c)66	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell.	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	TC/35/16(1)
(c)67	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell. [ssp. rapa; var. rapifera Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	C_36_5
(c)68	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell. [ssp. rapa; var. rapifera Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	Turnip	C_36_6
(c)69	BRASS_RAP_RAP	Brassica rapa L. var. rapa (L.) Thell. [var. rapifera Metzg.]	Brassica (Turnip Group)	BRASS_RAP_02	BRASS_014	-	TC_39_4x
(c)70	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	TC/35/16(1)
(c)71	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs [var. oleifera (DC.) Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	C_36_5
(c)72	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs [var. oleifera (DC.) Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	Turnip Rape	C_36_6
(c)73	BRASS_RAP_SIL	Brassica rapa L. var. silvestris (Lam.) Briggs [var. oleifera Metzg.]	Brassica (Turnip Rape Group)	BRASS_RAP_03	BRASS_015	-	TC_39_4x
(c)74	BRASS_RAP_CAM	* Brassica campestris L.	-	BRASS_RAP_CAM	???	-	ISTA
(c)75	BRASS_CAR	Brassica carinata A. Braun	-	BRASS_CAR	???	Abyssinian Mustard, Texsel Greens	TC/35/16(1)
(c)76	BRASS_CAR	Brassica carinata A. Braun	-	BRASS_CAR	???	-	TC_39_4x
(c)77	BRASS_CAR	Brassica carinata L.	-	BRASS_CAR	???	-	TC_39_4x
(c)78	???	Brassica cauliflora lizg	-	???	???	-	UPOV-ROM
(c)79	BRASS_RAP_CHI	* Brassica chinensis L.	-	???	???	-	ISTA
(c)80	BRASS_RAP_CHI	* Brassica chinensis L.	-	???	???	Chinese Cabbage, Pakchoi	TC/35/16(1)
(c)81	BRASS_RAP_CHI	* Brassica chinensis L. [B. rapa L. emend. Metzg. ssp. chinensis (L.) Hanelt]	-	???	???	Chinese Cabbage, Pakchoi	C_36_6
(c)82	BRASS_RAP_NI	Brassica japonica sieb	-	BRASS_RAP_NI	???	-	UPOV-ROM
(c)83	BRASS_JUN	* Brassica juncea (L.) Czern.	-	BRASS_JUN	???	-	ISTA
(c)84	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	Brown Mustard	C_36_5
(c)85	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	Brown Mustard	TC/35/16(1)
(c)86	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.	-	BRASS_JUN	???	-	TC_39_4x
(c)87	BRASS_JUN	Brassica juncea (L.) Czern. et Coss. in Czern.*	-	BRASS_JUN	???	Brown Mustard	C_36_6
(c)88	BRASS_NAP	Brassica napus hort.	-	BRASS_NAP	???	-	TC_39_4x
(c)89	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	ISTA



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(c)90	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	TC/35/16(1)
(c)91	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	TC_39_4x
(c)92	BRASS_NAP	* Brassica napus L.	-	BRASS_NAP	???	-	C_36_6
(c)93	BRASS_NAP	Brassica napus L. [partim]	-	BRASS_NAP	???	-	TC_39_4x
(c)94	BRASS_NIG	* Brassica nigra (L.) W. D. J. Koch	-	BRASS_NIG	???	-	ISTA
(c)95	BRASS_NIG	Brassica nigra (L.) W. Koch	-	BRASS_NIG	???	Black Mustard	TC/35/16(1)
(c)96	BRASS_NIG	Brassica nigra (L.) W. Koch	-	BRASS_NIG	???	-	TC_39_4x
(c)97	BRASS_NIG	* Brassica nigra (L.) W.D.J. Koch	-	BRASS_NIG	???	Black Mustard	C_36_6
(c)98	BRASS_OLE	* Brassica oleracea L.	-	BRASS_OLE	???	-	ISTA
(c)99	BRASS_OLE	* Brassica oleracea L.	-	BRASS_OLE	???	-	TC/35/16(1)
(c)100	BRASS_OLE	* Brassica oleracea L.	-	BRASS_OLE	???	-	TC_39_4x
(c)101	BRASS_OLE	* Brassica oleracea L.	-	BRASS_OLE	???	-	C_36_6
(c)102	BRASS_OLE	Brassica oleracea L. [partim]	-	BRASS_OLE	???	-	TC_39_4x
(c)103	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef.	-	???	???	-	C_36_6
(c)104	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef.	-	???	???	-	TC/35/16(1)
(c)105	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef.	-	???	???	-	TC_39_4x
(c)106	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. [partim]	-	???	???	-	TC_39_4x
(c)107	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. [partim] [ssp. acephala DC.]	-	???	???	Fodder Kale	C_36_6
(c)108	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. [partim] [ssp. acephala DC.]	-	???	???	-	TC_39_4x
(c)109	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L. + Brassica oleracea L. convar. acephala (DC.) Alef. var. medullosa Thell.	-	???	???	-	TC_39_4x
(c)110	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L. + var. medullosa Thell.	-	???	???	Fodder Kale	C_36_5
(c)111	BRASS_OLE_A	Brassica oleracea L. convar. acephala (DC.) Alef. var. viridis L. + var. medullosa Thell.	-	???	???	Fodder Kale	C_36_6
(c)112	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	TC/35/16(1)
(c)113	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	TC_39_4x
(c)114	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef.	-	???	???	-	C_36_6
(c)115	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	Cabbage	TC/35/16(1)
(c)116	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	-	TC_39_4x
(c)117	BRASS_OLE_C	Brassica oleracea L. convar. capitata (L.) Alef. var. capitata (L.) Alef.	-	???	???	Cabbage	C_36_6
(c)118	BRASS_OLE_C	Brassica oleracea L. var. capitata L.	-	???	???	-	TC/35/16(1)

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Line no.	UPOV Code (Current)	Botanical name	New classification	UPOV Code (Option 1)	UPOV Code (Option 2)	Common Name	Source Document
(c)119	BRASS_OLE_A4	Brassica oleracea L. var. ramosa DC.	-	???	???	catjang, catjang cowpea, sow-pea	new
(c)120	BRASS_RAP_PER	* Brassica perviridis (L. H. Bailey) L. H. Bailey	-	BRASS_RAP_PER	???	-	ISTA
(c)121	BRASS_RAP	* Brassica rapa L.	-	BRASS_RAP	???	-	ISTA
(c)122	BRASS_RAP	* Brassica rapa L.	-	BRASS_RAP	???	-	TC_39_4x
(c)123	BRASS_RAP	Brassica rapa L. [partim]	-	BRASS_RAP	???	-	TC_39_4x
(c)124	BRASS_RAP_CHI	Brassica rapa L. emend. Metzg. ssp. chinensis (L.) Hanelt	-	???	???	Chinese Cabbage, Pakchoi	TC/35/16(1)
(c)125	BRASS_RAP_CHI	Brassica rapa L. ssp. chinensis Jusl.	-	???	???	Chinese White Cabbage, Pak Choi	C_36_6
(c)126	BRASS_RAP_NI	Brassica rapa L. subsp. nipposinica (L. H. Bailey) Hanelt	-	BRASS_RAP_NI	???	-	UPOV-ROM
(c)127	BRASS_RAP	* Brassica rapa L.*	-	BRASS_RAP	???	-	C_36_6
(c)128	???	Brassica spontanea lizg	-	???	???	-	UPOV-ROM

[Annex III follows]

Codes to be checked by the TWF  
(Botanical name order)

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF	TWO			Unknown	ACTIN_DEL	Actinidia chinensis var. hispida C.F.Liang				
	TWF	TWO			AU	ACTIN_DEL	Actinidia deliciosa (A.Chev.) C.F.Liang & A.R.Ferguson	Chinese-gooseberry, kiwi, kiwifruit, strawberry-peach	groseille de Chine	Kiwifrucht	
	TWF	TWO			NZ	ACTIN_HEM_HEM	Actinidia hemsleyana Dunn var. hemsleyana				
	TWF	TWO			unknown	ACTIN_DEL	Actinidia latifolia var. deliciosa A.Chev.				
	TWF				unknown	ALIBE_EDU	Alibertia edulis (L. Rich.) A. Rich.	Wild Guava		Alibertia, Wilde Guave	
	TWF				US	AMELA_CAN	Amelanchier canadensis (L.) Medik.	Juneberry, Shadbush, Thicket serviceberry			
	TWF				US	AMELA_LAE	Amelanchier laevis Wiegand	Allegheny serviceberry			
	TWF				unknown	ANNON_ATE	Annona atemoya			Atemoya	
	TWF				unknown	ANNON_GLA	Annona glabra L.	Alligator-apple, Pond-apple	annone des marais, corossolier des marais	Glatte Annone, Wasserapfel	anón liso, bagá, palo bobo
	TWF				unknown	ANNON_LON	Annona longiflora S. Watson			Wilde Cherimoya	
	TWF				unknown	ANNON_MON	Annona montana Macfad.	Mountain soursop	corossolier bâtard	Bergannone, Schleimapfel	guanábana cimarrona
	TWF				unknown	ANNON_PUR	Annona purpurea Moc. & Sessé ex Dunal		Atier, tête de nègre	Soncoja	anona rosada, catagüire, manirote, soncoya, turaua, toreta
	TWF	TWO			unknown	ARBUT_AND	Arbutus andrachne L.	Cyprus Strawberry Tree, Grecian Strawberry Tree		Östlicher Erdbeerbaum	
	TWF	TWO			unknown	ARECA_CAT	Areca catechu L.	Areca palm, areca-nut, areca-nut palm, betel palm betelnut, betelnut palm, catechu, Indian-nut, Pinang	aréquier, noix d'arec	Betelnuss, Betelpalme	areca, bonga
	TWF				unknown	ARTOC_ALT	Artocarpus altilis (Parkinson) Fosberg	Breadfruit, breadnut	arbre à pain	Brotfruchtbaum	árbol del pan, fruta de pan
	TWF				unknown	ARTOC_INT	Artocarpus integer (Thunb.) Merr.	Chempedak, campedak		Chempedak	
	TWF				QZ, US	ASIMI_TRI	Asimina triloba (L.) Dunal	Pawpaw		Dreilappige Papua	
	TWF				QZ, US	ASIMI_TRI	Asimina triloba (L.) Dunal	Dog-banana, Indian-banana, Pawpaw, Pawpaw tree	asiminier	Papau	asimina
	TWF				unknown	ASTRC_VUL	Astrocaryum vulgare Mart.	Awarra palm, tucum palm, tucuma palm, Star Nut Palm	aoura	Tukumá	cumare, tucuma
	TWF				unknown	BACCA_DUL	Baccaurea dulcis (Jacq.) Müll. Arg.	Ketupa			
	TWF				unknown	BACCA_MOT	Baccaurea motleyana (Muell. Arg.) Muell. Arg.	Rambai		Rambai	
	TWF				unknown	BACCA_RAM	Baccaurea ramiflora Lour.	Baccaurea, Burmese-grape			
	TWF				unknown	BACCA_RAM	Baccaurea sapida Müll. Arg.			Rambai	
	TWF				unknown	BACTR_GAS	Bactris gasipaes Kunth	Peach Palm		Pejibaye, Pfirsichpalme	
	TWF				unknown	BOUEA_MAC	Bouea macrophylla Griff.	Gandaria		Gandaria	
	TWF	TWO			QZ, US	BROME_	Bromelia L.				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				unknown	BYRSO_CRA	Byrsonima crassifolia (L.) Kunth	Craboo, Gloden-spoon, nance	nance	Nance	indano, nancé, peraleja, yoco
	TWF				unknown	CANAR_OVA	Canarium ovatum Engl.	Pilinut		Pilinußbaum, Pilinuss	nuez pili
	TWF				unknown	CASIM_EDU	Casimiroa edulis La Llave & Lex.	Casimiroa, Mexican-apple, White sapote	pomme mexicaine, sapote blanche	Cochilsapote, weiße Sapote	matasano, zapote blanco
	TWF	TWO			unknown	CASIA_RET	Cassia gaudichaudii Hook. & Arn.				
	TWF				unknown	CASTA_SAT	Castanea vesca Gaertn.				
	TWF				unknown	CELTI_AUS	Celtis australis L.	European hackberry, European nettletree, honey-berry, lotetree, Mediterranean hackberry		Südlicher Zürgelbaum	
	TWF				US	CELTI_	Celtis L.			Zürgelbaum	
	TWF				HU	PRUNU_MAH	Cerasus mahaleb (L.) Mill.				
	TWF				US	ANNON_CHE	Charimoya				
	TWF				unknown	CHRSP_LAN	Chrysophyllum lanceolatum			Lawalu	
	TWF				AR	CITRU_AUM	Citrus aurantium L.	Bigarade, Bitter orange, Seville orange, Sour orange	bigaradier, oranger amer	Bitterorangen, Pomeranze	naranja agria, naranja amarga
	TWF				AU	MICCT_AUS_SAN	Citrus australasica var sanguinea				
	TWF				AU	EREMC_GLA	Citrus glauca (Lindl.) Burkill				
	TWF				unknown	CITRU_HYS	Citrus hystrix DC.	Porcupine Orange, Leech Lime, Mauritius Papeda	combava	Kafir-Limette, Makrut Limette, Papeda	
	TWF				NZ	XXXX	Citrus paradisi x c reticulata x c reticulata blanco				
	TWF				AR, NZ	CITRU_UNO	Citrus unshiu Marcow.	Satsuma mandarin, Satsuma orange	mandarinier satsuma	Satsuma	
	TWF				NZ	XXXX	Citrus unshiu x c sinensis x c unshiu				
	TWF				AU	XXXX	Citrus unshiu x sinensis x unshiu				
	TWF	TWO			AU, QZ, US	CORNU_ALB	Cornus alba L.	Siberian dogwood, Tartarian dogwood, Tatarian dogwood,	cornouiller blanc	tatarischer Hartriegel	
	TWF	TWO			US	CORNU_ALT	Cornus alternifolia L. f.	Green osier, Pagoda dogwood	cornouiller à feuilles alternes	wechselblättriger Hartriegel	
	TWF	TWO			NZ	CORNU_CAP	Cornus capitata Wall.	Bentham's cornel	cornouiller du Bentham		
	TWF	TWO			unknown	CORNU_KOU_CHI	Cornus kousa Hance var. chinensis Osborn				
	TWF	TWO			unknown	CORNU_KOU_CHI	Cornus kousa var. kousa				
	TWF				HU	CRYLS_AVE	Corylus pontica K. Koch				
	TWF		TWV		ES	CUCUM_MEL_MFL	Cucumis flexuosus L.				
	TWF		TWV		unknown	CUCUM_MEL_MFL	Cucumis melo L. subsp. melo var. flexuosus (L.) Naudin				
	TWF		TWV		unknown	CUCUM_MET	Cucumis metuliferus E. Mey. ex Naudin	African horned cucumber, African horned melon, jelly melon, Kiwano	concombre africain	Horngurke, Hommelone, Kiwano	
	TWF		TWV		unknown	CUCUM_SAT_SAT	Cucumis sativus L. var. sativus	cucumber, gherkin	concombre, cornichon	Gurke	pepino, cohombro
	TWF				ZA	CYCLP_	Cyclopia Vent.	Honeybush Tea	-	-	-
	TWF				ES	CYDON_	Cydonia patrones				
	TWF				unknown	CYDON_OBL	Cydonia vulgaris Pers.				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				unknown	CYNOM_CAU	Cynometra cauliflora L.	Nam-Nam		Namnam, Froschfrucht	
	TWF	TWO			unknown	CORNU_KOU_CHI	Dendrobenthamia japonica var. chinensis (Osborn) W.P. Fang				
	TWF				unknown	DIALI_IND	Dialium indum L.	Velvet Tamarind, Tamarind Plum		Jkranji, Samttamarinde, Tamarindenpflaume, Schwarze Tamarinde	keranji
	TWF				unknown	DILLE_PHI	Dillenia philippinensis Rolfe	Philippine Roseapple		Philippinischer Rosenapfel	
	TWF				unknown	DILLE_LON	Dimocarpus longan Lour.	Dragon's Eye, Longan fruit	longanier, oeil de dragon	Drachenaug, Longan, Longanbaum, Longanbeere	longán
	TWF				unknown	DIOSP_BLA	Diospyros blancoi A.DC.	Mabolo, mabolo-tree, Velvet Apple, velvet persimmon	pommier velours	Mabolo	camagón
	TWF				unknown	DIOSP_DIG	Diospyros digyna Jacq.	Black Sapote, black persimmon	barbaquois	Schwarzes Ebenholz, Schwarze Sapote	sapote negro, zapote negro
	TWF				unknown	DIOSP_LOT	Diospyros lotus L.	Date-plum, lotus persimmon, lotustree	faux lotier, guyac de Tadone, plaqueminier lotier	Lotuspflaume, Lotuspflaumenbaum	caqui, guayacán africano
	TWF				unknown	DIOSP_VIR	Diospyros virginiana L.	American Persimmon, persimmon, Winter Plum	plaqueminier d'Amérique	Persimone	caqui de Virginia, caqui silvestre
	TWF				unknown	DOVYA_CAF	Dovyalis caffra (Hook. f. et Harv.) Hook. f.	kei-apple		Kei-Apfel	manzana cafre
	TWF				FR	ELAEA_EBB	Elaeagnus xebbingei Boom				
	TWF				RU	ELAEA_MUL	Elaeagnus multiflora Thunb.	Cherry elaeagnus	goumi		
	TWF				unknown	EREMC_GLA	Eremocitrus glauca (Lindl.) Swingle	Australian desert-lime, desert-lime		australische Wüstenlimette	
	TWF				unknown	EUGEN_STI	Eugenia stipitata McVaugh				Arazá
	TWF				unknown	CASTA_SET	Fagus castanea L.				
	TWF	TWO			QZ	FICUS_BIN	Ficus binnendijkii Miq				
	TWF	TWO			NZ	FICUS_LIN	Ficus lingua warb ex de wildeman t dur				
	TWF	TWO			NZ, QZ, US	FICUS_LYR	Ficus lyrata Warb.	Banjo fig, fiddle-leaf fig			
	TWF	TWO			US	FICUS_MCL	Ficus maclellandii				
	TWF	TWO			unknown	FICUS_NAT_LEP	Ficus natalensis Hochst. subsp. leprieurii (Miq.) C. C. Berg				
	TWF	TWO			AU	FICUS_RUB	Ficus rubiginosa Desf. ex Vent.	littleleaf fig, Port Jackson fig, rusty fig			
	TWF	TWO			QZ	FICUS_SAG	Ficus sagittata Vahl				
	TWF	TWO			QZ	FICUS_STR	Ficus stricta (Miq.) Miq.				
	TWF	TWO			QZ	FICUS_NAT_LEP	Ficus triangularis Warb.				
	TWF				unknown	FLACO_RUK	Flacourtia rukam Zoll. Et Moritz	Rukam	prunier café, prunier de chine, prunier malgache	Madagaskarpflaume	ciruela de Madagascar
	TWF				DE	FRAGA_VCN	Fragaria vesca Rud. Bauer & A. Bauer				
	TWF				AU	FRAGA_ANA	Fragaria grandiflora Ehrh. non (L.) Crantz				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				AU	XXXX	Fragaria hybrid				
	TWF				AU, DE, QZ	XXXX	Fragaria x potentilla				
	TWF				unknown	GARCI_XAN	Garcinia xanthochymus Hook. f.	Mundu, mysore gamboge, sour mangosteen		Mundu	
	TWF				unknown	GENIP_AME	Genipa americana L.	Genip, Genipap, Marmalade Box	confiture de singe, génipa	Genipap	caruto, genipa, huito, irayol, yagua
	TWF				unknown	GNETU_GNE	Gnetum gnemon L.	Melinjo, meminjau, bago, Spinach Joint Fir		Meerträubel, Melinjo	
	TWF	TWO			GB, QZ	HIBIS_ACE	Hibiscus acetosella Welw. ex Hiern	false roselle, red-leaf hibiscus			
	TWF	TWO			CA, US	HIBIS_MOS	Hibiscus moscheutos L.	common rose-mallow, mallow- rose, sea-hollyhock, swamp rose-mallow, water-mallow			
	TWF	TWO			AU, DE, DK, NZ, QZ, US	HIBIS_ROS	Hibiscus rosa-sinensis L.	China-rose, Chinese hibiscus, Hawaiian hibiscus, hibiscus, rose-of-China	rose de Chine	chinesischer Roseneibisch	clavel japonés
	TWF	TWO			QZ	HIBIS_SCH	Hibiscus schizopetalus (Mast.) Hook. f.	coral hibiscus			
	TWF				IL	HYLOC_	Hylocereus (A. Berger) Britton et Rose				
	TWF				unknown	HYLOC_UND	Hylocereus undatus (Haw.) Britton et Rose	belle-of-the-night, dragon-fruit, night-blooming cereus, pitahaya, queen-of-the-night, strawberry-pear	pitahaya rouge, pitaya	Pitahaya, Distelbirne	chacam, chak-wob, junco tapatío, pitahaya dulce, pitahaya orejona, reina de la noche, tasajo, zacamb
	TWF				unknown	INGAA_EDU	Inga edulis Mart.	Icecream-Bean	pois doux	Affenschwanz-Inga, Ingabohne	chalaite, cuajiniquil, guaba, pacay
	TWF				US	JUGLA_CIN	Juglans cinerea L.	butternut, white walnut	noyer cerdré	Butternußbaum	nogal cieniento
	TWF				unknown	KIGEL_AFR	Kigelia africana (Lam.) Benth.	Sausage Tree	saucissonnier	Leberwurstbaum	árbol de las salchichas
	TWF				AU	KUNZE_POM	Kunzea pomifera F. Muell.				
	TWF				unknown	LICAN_PLA	Licania platypus Fritsch	Sonzapote, Zunzapote		Sonzapote	
	TWF				unknown	LIMOA_ACI	Limonia acidissima L.	Elephant Apple, Indian wood- apple, Wood Apple		Elefantenapfel	
	TWF				unknown	LODOI_MAL	Lodoicea maldivica (J.F. Gmel.) Pers.	Cocodemer, Double Coconut, Seychelles Nut, Sea coconut	coco-de-mer	Seychellennuss	
	TWF	TWO			QZ, US	LONIC_BRO	Lonicera xbrownii (Regel) Carrière	scarlet trumpet honeysuckle			
	TWF	TWO			NO	LONIC_INV	Lonicera involucrata (Richardson) Banks ex Spreng.	bearberry honeysuckle, black twinberry, twinberry		behüllte Heckenkirsche	
	TWF	TWO			QZ, US	LONIC_JAP	Lonicera japonica Thunb.	Japanese honeysuckle	clématite du Japon	japanisches Geißblatt	madreselva
	TWF	TWO			NO, RU	LONIC_TAT	Lonicera tatarica L.	Tartarian honeysuckle, Tatarian honeysuckle	clématite de Tartarie	Tataren- Heckenkirsche	
	TWF	TWO			NO	LONIC_NOT	Lonicera x notha Zab				
	TWF				AU	XXXX	Macadamia integrifolia x tetraphyll				
	TWF	TWO			CA	MALUS_FLO	Malus floribunda Siebold ex Van Houtte	Japanese crab apple, Japanese flowering crab apple, purple chokeberry, showy crab apple			
	TWF	TWO			US	MALUS_HUP	Malus hupehensis (Pamp.) Rehder	Chinese crab apple, tea crab apple			

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF	TWO			ES	???	Malus patrones				
	TWF	TWO			US	MALUS_PRU	Malus prunifolia (Willd.) Borkh.	Chinese apple, crab apple, plum-leaf apple			
	TWF	TWO			AU	XXXX	Malus prunifolia var ringo x pumila var paradisiaca				
	TWF	TWO			US	MALUS_DOM	Malus pumila mill var domestica				
	TWF	TWO			CA, FR, US	MALUS_PUM	Malus pumila Mill.	paradise apple			
	TWF	TWO			unknown	MALUS_PUM	Malus pumila var. paradisiaca (L.) C. K. Schneid.				
	TWF	TWO			NZ, QZ	MALUS_TOR	Malus sieboldii (Regel) Rehder				
	TWF	TWO			unknown	MALUS_TOR	Malus toringo (Siebold) Siebold ex de Vriese	toringa crab apple		Siebolds Apfel	
	TWF				unknown	MANGI_FOE	Mangifera foetida Lour.	Bachang mango, Grey Mango		Graue Mango, Stinkende Mango	
	TWF				unknown	MANGI_MAG	Mangifera magnifica Kochummen			Prächtige Mango	
	TWF				unknown	MANGI_ODO	Mangifera odorata Griff.	Saipan Mango, Kweenee, kuwini	manguier odorant	Saipan-Mango, Kwini, Duftende Mango	
	TWF				unknown	MANIL_ZAP	Manilkara achras (Mill.) Fossberg	Sapodilla, Naseberry		Sapodilla, Breiapfel, Kaugummibaum, Westindische Mispel, Zapote	
	TWF				unknown	MANIL_BID	Manilkara bidentata (A. DC.) A. Chev.	Beef Wood		Balata	
	TWF				unknown	MANIL_ZAP	Manilkara zapota (L.) Royen	Marmalade Plum, Sapodilla, chicle, chico sapote, naseberry, sapodilla, sapote	sapotier, sapotillier	Breiapfelbaum, Kaugummibaum, Sapodillbaum, Sapote	níspero, zapote, zapotillo
	TWF	TWO			unknown	MAURI_FLX	Mauritia flexuosa L. f.	Ita Palm, muriti, tree-of-life		Morichepalme, Yurumabrot	
	TWF				unknown	MELCO_BIJ	Melicoccus bijugatus Jacq.	Honey Berry, Spanish Lime, genip	kenépier, quenette	Honigbeere, Quenepa	mamoncillo
	TWF				unknown	MORND_CIT	Morinda citrifolia L.	Morinda, Indian-mulberry, noni, rotten cheese-fruit	bois douleur	Morinda	mora de la India
	TWF				unknown	MORUS_RUB	Morus rubra L.	Red Mulberry		Roter Maulbeerbaum	moral rojo
	TWF				unknown	MUNTI_CAL	Muntingia calabura L.	Jamaica Cherry, calabur-tree, capulin, Panama-berry, strawberry-tree	bois ramier	Jamaikakirsche	capulín blanco, nigua
	TWF				AU	MURRA_PAN_OVA	Murraya paniculata (L.) Jack var. ovatifoliolata Engl.				
	TWF				unknown	MUSAA_BAS	Musa basjoo Siebold & Zucc. ex linuma	Japanese Banana		Japanische Faser- Banane	
	TWF				FR	ENSET_VEN	Musa ensete				
	TWF				unknown	MUSAA_SUM	Musa sumatrana Becc. ex André	Blood Banana		Blut-Banane	
	TWF				unknown	MUSSA_	Mussaenda L.				
	TWF				unknown	MYRIC_CAU	Myricaria cauliflora (Mart.) Berg.	Jaboticaba, Jaboticaba		Jaboticaba	
	TWF				unknown	OEMLE_CER	Oemleria cerasiformis (Torr. et A. Gray ex Hook. et Arn.) J.W. Landon	Indian Plum, Osoberry		Oregonpflaume	
	TWF				RU	VACCI_OXY	Oxycoccus palustris Pers.				
	TWF				RU	PRUNU_PAD	Padus racemosa (Lam.) C. K. Schneid.				
	TWF				unknown	PALAK_TAC	Palakowskia tacaco Pitt.			Tacaco	

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				unknown	PASSI_LAU	Passiflora laurifolia L.	Jamaica Honeysuckle, Water Lemon, bell-apple, sweetcup, yellow granadilla	pomme d'or	Gelbe Grenadille, Wasserlimone	parcha
	TWF				unknown	PASSI_TRI_MOL	Passiflora tripartita var. mollissima (Kunth) Holm-Niels	Banana Passionfruit		Curuba	
	TWF				unknown	PASSI_TRI_MOL	Passiflora tripartita var. mollissima (Kunth) Holm-Niels	banana passionfruit, banana poka	tacso	Curuba	tacso, tumbo
	TWF				unknown	PASSI_TRI_MOL	Passiflora tripartita var. mollissima (Kunth) Holm-Niels				
	TWF				CA, US	PERSI_MIC	Persicaria microcephala				
	TWF				AU, CA, QZ, US	PHOTI_FRA	Photinia xfraseri Dress				
	TWF				AU, QZ	PHOTI_GLA	Photinia glabra (Thunb.) Franch. & Sav.	Japanese photinia			
	TWF				unknown	PHYLT_ACI	Phyllanthus acidus (L.) Skeels	Indian Gooseberry, Otaheite Gooseberry, gooseberry-tree, Otaheite-gooseberry	cerisier de Tahiti, surette	Stachelbeerbaum, Baumstachelbeere, Grosella	grosellero, guinda
	TWF				AU	PHYLT_CUS	Phyllanthus cuscutiflorus				
	TWF				US	PISTA_CHI	Pistacia chinensis Bunge				
	TWF				QZ	PODOP_	Podophyllum L.				
	TWF				unknown	PONCI_RAF	Poncirus trifoliata (L.) Raf.	hardy orange, trifoliata-orange	orangier trifoliolé, poncirus	dreiblättrige Bitterorange	naranjo trébol
	TWF				unknown	PONCI_RAF	Poncirus trifoliata (L.) Raf.				
	TWF				unknown	PONCI_TRI	Poncirus trifoliata (L.) Raf.	Golden Apple, Trifoliata Orange	Oranger trifolié	Dreiblättrige Orange, Dreiblättrige Bitterorange	Naranjo trifoliado
	TWF				unknown	POUTE_LUC	Pouteria lucuma (Ruiz et Pav.) Kuntze	Canistel, Eggfruit, lucmo		Lucuma	lúcuma, lúcumo
	TWF				unknown	POUTE_SAP	Pouteria sapota (Jacq.) H.E. Moore et Stearn	mammee sapote, marmalade plum, marmalade-tree, Sapote		Marmeladen-Eierfrucht, große Sapote	mamey, mamey-colorado, sapote, zapote, zapote mamey
	TWF				US	_XXXX	Prunus amygdalus x prunus blireiana				
	TWF				AR, HU, QZ, US	_XXXX	Prunus amygdalus x prunus persica				
	TWF				US	_XXXX	Prunus armeniaca x prunus domestica x prunus armeniaca				
	TWF				HU	PRUNU_ARM	Prunus armeniaca l cinvar mi				
	TWF				US, ZA	_XXXX	Prunus armeniaca x prunus domestica				
	TWF				US	_XXXX	Prunus armeniaca x prunus salicina x prunus armeniaca x prunus				
	TWF				ES	_XXXX	Prunus avium x p cerasus hibrid				
	TWF				DK, NZ	_XXXX	Prunus avium x p pseudocerasus l				
	TWF				AU	_XXXX	Prunus avium x prunus campanulata				
	TWF				AR, BE, GB	_XXXX	Prunus avium x prunus cerasus l				
	TWF				QZ	_XXXX	Prunus avium x prunus fruticosa pallas				
	TWF				QZ	_XXXX	Prunus besseyi x prunus cerasifera ehrh				
	TWF				US	_XXXX	Prunus blireiana x prunus blierianna				



CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				FR	PRUNU_CAN	Prunus canescens Bois	Gray-leaf Cherry, Hoary Cherry			
	TWF				QZ	XXXX	Prunus canescens l x prunus incisia l				
	TWF				QZ	XXXX	Prunus canescens l x prunus tomentosa l				
	TWF				AU	PRUNU_CSF	Prunus cerasifera var nigra				
	TWF				AU, US	XXXX	Prunus cerasifera x prunus munsoniana				
	TWF				AU, CA, CL, NZ, PL	XXXX	Prunus cerasus x prunus canescens				
	TWF				US	PRUNU_DUL	Prunus communis (L.) Arcang.				
	TWF				FR	PRUNU_DAV	Prunus davidiana (Carrière) Franch.				
	TWF				AR, AU, QZ	XXXX	Prunus davidiana x prunus persica				
	TWF				AR, HU	XXXX	Prunus domestica l x prunus insititia l				
	TWF				ES	XXXX	Prunus domestica l x prunus insititia x prunus s				
	TWF				BE	PRUNU_DOM_DOM	Prunus domestica L. subsp. domestica	European plum, gage, garden plum, plum, prune plum	prunier, prunier commun	Pflaume, Pflaumenbaum	Ciruelo, Cirolero
	TWF				AU, NZ, US	XXXX	Prunus domestica x prunus armeniaca				
	TWF				US	XXXX	Prunus domestica x prunus domestica x prunus armeniaca				
	TWF				US	XXXX	Prunus domestica x prunus domestica x prunus domestica x prunus armeniaca				
	TWF				QZ, US	XXXX	Prunus domestica x prunus persica				
	TWF				AU	XXXX	Prunus dulces x persica x mira				
	TWF				CA, QZ	XXXX	Prunus fruticosa pallas x prunus cerasus l				
	TWF				AR, FR, PL	XXXX	Prunus mahaleb x prunus avium				
	TWF				ES	???	Prunus patrones				
	TWF				AU, NZ, UA, US, ZA	PRUNU_PER_NUC	Prunus persica (L.) Batsch var. nucipersica (Suckow) C. K. Schneid.	nectarine	brugnon	Nektarine, Nektarinenbaum	
	TWF				US	PRUNU_PER_PER	Prunus persica (L.) Batsch var. persica	peach	brugnonier, pêcher	Pfirsich, Pfirsichbaum	abridor, duraznero, durazno, melocotonero
	TWF				IT	PRUNU_PER	Prunus persica stokes				
	TWF				CL, US	PRUNU_PER_NUC	Prunus persica var. nectarina (Aiton) Maxim.				
	TWF				AU	XXXX	Prunus persica x prunus davidiana				
	TWF				QZ	XXXX	Prunus persica x prunus davidiana l				
	TWF				QZ, US	XXXX	Prunus persica x prunus domestica l				
	TWF				US	XXXX	Prunus persica x prunus domestica x prunus persica				
	TWF				ZA	XXXX	Prunus persica x prunus dulcis				
	TWF				DK, FR	XXXX	Prunus pseudocerasus x p avium				
	TWF				QZ, US	PRUNU_PUM	Prunus pumila L.	dwarf cherry, sand cherry		Sandkirsche	
	TWF				RU	PRUNU_SAR	Prunus sachalinensis (F. Schmidt) Miyoshi				
	TWF				AU, NZ, QZ, US, ZA	XXXX	Prunus salicina x prunus armeniaca				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF			AU, NZ, QZ, US, ZA	_XXXX	Prunus salicina x prunus armeniaca l					
	TWF			US	_XXXX	Prunus salicina x prunus armeniaca x prunus salicina x prunus s					
	TWF			AU, FR	_XXXX	Prunus salicina x prunus persica					
	TWF			US	_XXXX	Prunus salicina x prunus salicina x prunus armeniaca					
	TWF			unknown	_XXXX	Prunus salicina x prunus salicina x prunus salicina x prunus a					
	TWF			US	PRUNU_SAR	Prunus sargentii Rehder	northern Japanese hill cherry, Sargent's cherry	cerisier de Sargent	Berg-Kirsche		
	TWF			NZ	PRUNU_SRU	Prunus serrulata Lindl.	Oriental cherry				
	TWF			AU	PRUNU_SUB	Prunus subhirtella Miq.	Higan cherry, rosebud cherry, spring cherry, winter flowering cherry				
	TWF			QZ, US	_XXXX	Prunus tomentosa thunb x prunus cerasifera					
	TWF			unknown	PSIDI_ACU	Psidium acutangulum DC.	Para Guava		Para-Guave		
	TWF			unknown	PSIDI_CAT_CAT	Psidium cattleianum Sabine var. cattleianum	purple strawberry guava, Cattley Guava, purple guava, red strawberry guava, strawberry guava	goyave fraise	(Purpurne) Erdbeer- Guave, Rote Guave	guayabo pequeño	
	TWF			unknown	PSIDI_CAT	Psidium cattleianum Salisb.	Strawberry Guava, Cattley Guava		Erdbeer-Guave, Rote Guave		
	TWF			unknown	PSIDI_FRI	Psidium friedrichsthalianum (O. Berg) Nied.	Costa Rican Guava	goyavier de Costa Rica	Costa-Rica-Guave, Cas	arrayán, cas ácida, guayaba de choco	
	TWF			unknown	PSIDI_CAT_CAT	Psidium littorale var. longipes (O. Berg.) Fosberg					
	TWF			US	PYRUS_BET	Pyrus betulifolia Bunge	birch-leaf pear		birkenblättriger Flügelstorax		
	TWF			AU, NZ	PYRUS_CAL	Pyrus calleryana Decne.	Bradford pear, callery pear				
	TWF			US	_XXXX	Pyrus calleryana x betulifolia					
	TWF			JP	PYRUS_COM	Pyrus communis l var sativa dc					
	TWF			unknown	PYRUS_COM_PRS	Pyrus communis L. var. pyraster L.	wild pear	poirier sauvage	Wild-Birne, Wilder- Birnbäum		
	TWF			NZ	_XXXX	Pyrus communis x p pyrifolia					
	TWF			unknown	CYDON_OBL	Pyrus cydonia L.					
	TWF			US	MALUS_DOM	Pyrus malus L.					
	TWF			ES	???	Pyrus patrones					
	TWF			HU	PYRUS_COM_PRS	Pyrus pyraster burgsd					
	TWF			RU	PYRUS_USS	Pyrus ussuriensis Maxim.	Harbin pear, Ussurian pear		Ussuri-Birne		
	TWF			DE, HU, QZ, US	RIBES_NID	Ribes xnidigrolaria Rud. Bauer & A. Bauer	jostaberry		Jostabeere		
	TWF			HU, RU	RIBES_AUR	Ribes aureum Pursh	golden currant				
	TWF			RU	RIBES_PAU	Ribes pauciflorum Turcz. ex Pojark.					
	TWF			FR, DK, HU, NO, QZ, SK	RIBES_RUB	Ribes rubrum L.	Red Currant				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				FR, DK, HU, NO, QZ, SK	RIBES_RUB	Ribes rubrum L.	common currant, garden currant, red currant, white currant	groseillier commun, groseillier rouge	rote Johannisbeere	grosellero común, grosellero rojo
	TWF				FR, DK, HU, NO, QZ, SK	RIBES_RUB	Ribes rubrum L.				
	TWF				QZ	RIBES_SAN	Ribes sanguineum Pursh	red-flower currant, winter currant			
	TWF				unknown	RIBES_UVA_REC	Ribes uva-crispa L. var. reclinatum (L.) Berl.				
	TWF				unknown	RIBES_UVA_REC	Ribes uva-crispa L. var. reclinatum (L.) Berl.				
	TWF				unknown	RIBES_UVA_SAT	Ribes uva-crispa L. var. sativum DC.				
	TWF				unknown	RIBES_UVA_SAT	Ribes uva-crispa L. var. sativum DC.				
	TWF				UA	RIBES_RUB	Ribes vulgare Lam.				
	TWF				unknown	ROLLI_MUC	Rollinia deliciosa Saff.			Biriba	
	TWF				unknown	ROLLI_MUC	Rollinia mucosa (Jacq.) Baill.	wild sweetsop	cachiman crème	Schleimapfel	anona, cachimán, candón, cherimoya
	TWF				CA	RUBUS_ALL	Rubus allegheniensis Porter	Allegheny blackberry, sow-teat blackberry		Alleghenybrombeere	
	TWF				unknown	XXXX	Rubus argutus x r cuneifolius				
	TWF				US	RUBUS_CAE	Rubus caesius L.	European dewberry	ronce bleuâtre	Acker-Brombeere, Kratzbeere	
	TWF				US	RUBUS_HAY	Rubus calycinoïdes Hayata				
	TWF				NO	RUBUS_CHA	Rubus chamaemorus L.	bake-apple, baked-apple-berry, cloudberry, salmonberry, yellow-berry		Moltebeere	
	TWF				unknown	RUBUS_HAY	Rubus hayata-koidzumii Naruh.	yü-shan raspberry			
	TWF				US	XXXX	Rubus idaeus x neglectus				
	TWF				US	RUBUS_LOG	Rubus loganobaccus L. H. Bailey	boysenberry, loganberry, phenomenal berry, tayberry		Loganbeere	
	TWF				US	RUBUS_STR	Rubus strigosus Michx.	American red raspberry			
	TWF				JP	RUBUS_TRI	Rubus trifidus Thunb.				
	TWF				unknown	SALAC_CON	Salacca conferta Griff.	Woodland Salak		Wald-Salak, Kelubi	
	TWF				unknown	SALAC_EDU	Salacca edulis Reinw.	Salak, Snake Fruit		Große Schlangenfrucht, Salak	
	TWF				unknown	SALAC_WAL	Salacca wallichiana Mart.	Sala, Rakum Palm		Rakum-Salak	
	TWF				unknown	SALAC_ZAL	Salacca zaluca (Gaertn.) Voss	salak, salak palm, snake fruit		Salakpalme, Schlangenfrucht	
	TWF				NO	SAMBU_RAC_PUB	Sambucus pubens michx				
	TWF				unknown	SAMBU_RAC_PUB	Sambucus racemosa L. subsp. pubens (Michx.) House	American red elder, red-berry elder, scarlet elder, stinking elder			
	TWF				unknown	SANDO_KOE	Sandoricum koetjape (Burm. f.) Merr.	Santol, Kechapi, donka, red santol, sentol	faux mangoustan, sandorique	Santol, Sandoribaum	
	TWF				AU	SANAT_ACU	Santalum acuminatum (R. Br.) DC.	quandong, sweet quandong			
	TWF				JP	SCHSN_	Schizandra nigra maxim				
	TWF				ZA	SCLER_BIR	Sclerocarya birrea (A. Rich.) Hochst.				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				ZA	SCLER_BIR_CAF	Sclerocarya birrea (A. Rich.) Hochst. ssp. caffra (Sond.) Kokwaro	Marula, Maroola-plum	-	-	-
TWA	TWF	TWO	TWV		JP	???	Slenopsis axillaris				
TWA	TWF		TWV		unknown	CYPHO_BET	Solanum betaceum Cav.	tree-tomato	arbre à tomates, tomate de La Paz, tomate en arbre	Baumtomate	tamarillo, tomate de árbol, tomate serrano
	TWF	TWO			JP	SORBU_COM	Sorbus commixta Hedl.				
	TWF	TWO			US	SORBU_DOM	Sorbus domestica L.	Service Tree	cormier	Speierling	serbal común
	TWF	TWO			unknown	SORBU_TOR	Sorbus torminalis (L.) Crantz	Wild Service Tree, checkertree, chequers		Elsbeere	
	TWF				unknown	SPOND_DUL	Spondias dulcis Sol. ex Parkinson	Golden Apple, Otahaite Apple, Ambarella, Polynesian Plum, makopa, Jew-plum, wi-tree, yellow-plum	casamangue, pomme cythère, prune cythère	Ambarella, Goldpflaume, Tahitiapfel, Goldene Balsampflaume	ambarella, jobo de la India
	TWF				unknown	STELE_BUR	Stelechocarpus burahol (Blume) Hook. f. et Thomson	Kepel		Kepel	
	TWF				unknown	SYZYG_AQU	Syzygium aqueum (Burm. f.) Alston	Water Roseapple, bellfruit, water-apple	jambo ayer	Wasserjambuse, Wasserapfel	perita costeña, tambis
	TWF				AU	SYZYG_AUS	Syzygium australe (J. C. Wendl. ex Link) B. Hyland	brush-cherry			
	TWF				unknown	SYZYG_CUM	Syzygium cumini (L.) Skeels	Jambolan, jaman		Wachs-Jambuse	
	TWF				AU	SYZYG_FRA	Syzygium francisii				
	TWF				unknown	SYZYG_JAM	Syzygium jambos (L.) Alston	Malabar Plum, Rose Apple, jambos	jambosier, pomme-rose	Rosenapfel, Rosenapfelbaum	manzana rosa, pomarrosa, yambo
	TWF				AU	SYZYG_LUE	Syzygium luehmannii				
	TWF				unknown	SYZYG_MAL	Syzygium malaccense (L.) Merr. et Perry	Malay Apple, mountain-apple, Otaheite-apple, pomerac, rose-apple	jamboissier rouge, poirier de Malaque, pomme malac	Malayenjambuse, Malayenapfel, Malaysia-Wachsapfel	manzana de agua, pomarrosa de Malaca
	TWF				AU	SYZYG_OLE	Syzygium oleosum (F. Muell.) B. Hyland				
	TWF				unknown	SYZYG_SAM	Syzygium samarangense (Blume) Merr. et Perry	Java Apple, Wax Apple, Semarang rose-apple, wax jambu		Javaapfel	cajuil de Surinam, makopa
	TWF				AU	_XXXX	Syzygium wilsonii subsp wilsonii x syzygium leuhmanii				
	TWF				unknown	TALIS_ESC	Talisia esculenta Radlk.	Pitomba		Pitomba	
	TWF				JP, RU	CMLIA_SIN	Thea sinensis L.	Tea	Théier	Tee	Te
	TWF				unknown	THEOB_GRA	Theobroma grandiflorum (Willd. ex Spreng.) Schum.	copoasu			Cupuazú
	TWF				unknown	TRAPA_NAT	Trapa natans L.	Water Chestnut, bull-nut		Wassernuss	
	TWF				unknown	TRAPA_NAT_NAT	Trapa natans L. var. natans	Jesuit's Nut, Water Chestnut, water caltrop	Châtaigne d'Eau, cornue, macre commune	Wassernuss	abrojo de agua, castaña de agua
	TWF				FI	VACCI_ANG	Vaccinium angustifolium Aiton	Blueberry, Lowbush Blueberry			
	TWF				FI	VACCI_ANG	Vaccinium angustifolium Aiton	blueberry, late sweet blueberry, low sweet blueberry, lowbush blueberry, sweethurts, upland lowbush blueberry			
	TWF				FI	VACCI_ANG	Vaccinium angustifolium Aiton				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				JP	VACCI_BRA	Vaccinium bracteatum Thunb.	sea bilberry			
	TWF				unknown	VACCI_OXY	Vaccinium oxycoccos L.	cranberry, European cranberry, mossberry, small cranberry		Moosbeere	
	TWF				RU	VACCI_ULI	Vaccinium uliginosum L.	bog bilberry, bog blueberry, western-huckleberry		Moosebeere, Rauschbeere	
	TWF				unknown	VANGU_MAD	Vangueria madagascariensis J.F. Gmel.	Spanish-tamarind, tamarind-of-the-Indies	vavangue, voavanguier	Voavanga	tamarindo extranjero
	TWF				unknown	VANIL_PLA	Vanilla planifolia Jacks.	Bourbon Vanilla, vanilla	vanillier	Echte Vanille	vainilla
	TWF				RO,	VITIS_CIN_HEL	Vitis berlandieri				
	TWF				DE	XXXX	Vitis berlandieri planch x vitis riparia michx				
	TWF				DE	XXXX	Vitis berlandieri planch x vitis riparia michx x vitis cinerea engelm				
	TWF				DE	XXXX	Vitis berlandieri planch x vitis rupestris scheele				
	TWF				unknown	VITIS_CIN_HEL	Vitis cinerea (Engelm.) Engelm. ex Millardet var. helleri (L. H. Bailey) M. O. Moore	Spanish grape		Winterrebe	
	TWF				CA	VITIS_LAB	Vitis labrusca L.	Concord grape, fox grape, skunk grape	vigne cotonneuse, vigne isabelle	Fuchsrebe, Isabellarebe	labrusca, parrón, parra brava
	TWF				US	VITIS_ROT_MUS	Vitis muscadinia				
	TWF				DE	XXXX	Vitis riparia michx x vitis cinerea engelm				
	TWF				DE	XXXX	Vitis riparia michx x vitis rupestris scheele				
	TWF				unknown	XXXX	Vitis riparia michx x vitis rupestris scheele x vitis cinerea engelm				
	TWF				CA	XXXX	Vitis riparia x v cinerea				
	TWF				CA	XXXX	Vitis riparia x v vinifera				
	TWF				US	VITIS_ROT	Vitis rotundifolia Michx.	muscadine grape, southern fox grape	vigne musquée	Muscadinerebe	moscada, vite moscata
	TWF				DE	XXXX	Vitis solonis hort berol ex planch x vitis riparia michx				
	TWF				DE	XXXX	Vitis vinifera l x vitis riparia michx				
	TWF				RO	VITIS_VIN_SAT	Vitis vinifera ssp sativa				
	TWF				unknown	ZIZIP_JUJ	Ziziphus jujuba Mill.	Chinese jujube, Chinese-date, common jujube, jujube	jujubier commun	Brustbeere, Chinesische Dattel, Jujube	azufaifo
	TWF				unknown	ZIZIP_MAU	Ziziphus mauritiana Lam.	Indian Jujube, Indian Plum		Indische Jujube, Filziger Judendorn	

[Annex III(b) follows]

Codes to be checked by the TWF  
(using authority order)

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				AR, AU, QZ	_XXXX	Prunus davidiana x prunus persica				
	TWF				AR, BE, GB	_XXXX	Prunus avium x prunus cerasus l				
	TWF				AR, FR, PL	_XXXX	Prunus mahaleb x prunus avium				
	TWF				AR, HU	_XXXX	Prunus domestica l x prunus insititia l				
	TWF				AR, HU, QZ, US	_XXXX	Prunus amygdalus x prunus persica				
	TWF				AR, NZ	CITRU_UN	Citrus unshiu Marcow.	Satsuma mandarin, Satsuma orange	mandarinier satsuma	Satsuma	
	TWF	TWO			AU	ACTIN_DEL	Actinidia deliciosa (A.Chev.) C.F.Liang & A.R.Ferguson	Chinese-gooseberry, kiwi, kiwifruit, strawberry-peach	groseille de Chine	Kiwifrucht	
	TWF				AU	MICCT_AUS_SAN	Citrus australasica var sanguinea				
	TWF				AU	EREMC_GLA	Citrus glauca (Lindl.) Burkill				
	TWF				AU	_XXXX	Citrus unshiu x sinensis x unshiu				
	TWF	TWO			AU	FICUS_RUB	Ficus rubiginosa Desf. ex Vent.	littleleaf fig, Port Jackson fig, rusty fig			
	TWF				AU	FRAGA_ANA	Fragaria grandiflora Ehrh. non (L.) Crantz				
	TWF				AU	_XXXX	Fragaria hybrid				
	TWF				AU	KUNZE_POM	Kunzea pomifera F. Muell.				
	TWF				AU	_XXXX	Macadamia integrifolia x tetraphyll				
	TWF	TWO			AU	_XXXX	Malus prunifolia var ringo x pumila var paradisiaca				
	TWF				AU	MURRA_PAN_OVA	Murraya paniculata (L.) Jack var. ovatifoliolata Engl.				
	TWF				AU	PHYLT_CUS	Phyllanthus cuscutiflorus				
	TWF				AU	_XXXX	Prunus avium x prunus campanulata				
	TWF				AU	PRUNU_CSF	Prunus cerasifera var nigra				
	TWF				AU	_XXXX	Prunus dulces x persica x mira				
	TWF				AU	_XXXX	Prunus persica x prunus davidiana				
	TWF				AU	PRUNU_SUB	Prunus subhirtella Miq.	Higan cherry, rosebud cherry, spring cherry, winter flowering cherry			
	TWF				AU	SANAT_ACU	Santalum acuminatum (R. Br.) DC.	quandong, sweet quandong			
	TWF				AU	SYZYG_AUS	Syzygium australe (J. C. Wendl. ex Link) B. Hyland	brush-cherry			
	TWF				AU	SYZYG_FRA	Syzygium francisii				
	TWF				AU	SYZYG_LUE	Syzygium luehmannii				
	TWF				AU	SYZYG_OLE	Syzygium oleosum (F. Muell.) B. Hyland				
	TWF				AU	_XXXX	Syzygium wilsonii subsp wilsonii x syzygium leuhmanii				
	TWF				AU, CA, CL, NZ, PL	_XXXX	Prunus cerasus x prunus canescens				
	TWF				AU, CA, QZ, US	PHOTI_FRA	Photinia xfraseri Dress				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF	TWO			AU, DE, DK, NZ, QZ, US	HIBIS_ROS	Hibiscus rosa-sinensis L.	China-rose, Chinese hibiscus, Hawaiian hibiscus, hibiscus, rose-of-China	rose de Chine	chinesischer Roseneibisch	clavel japonés
	TWF				AU, DE, QZ	_XXXX	Fragaria x potentilla				
	TWF				AU, FR	_XXXX	Prunus salicina x prunus persica				
	TWF				AU, NZ	PYRUS_CAL	Pyrus calleryana Decne.	Bradford pear, callery pear			
	TWF				AU, NZ, QZ, US, ZA	_XXXX	Prunus salicina x prunus armeniaca				
	TWF				AU, NZ, QZ, US, ZA	_XXXX	Prunus salicina x prunus armeniaca l				
	TWF				AU, NZ, UA, US, ZA	PRUNU_PER_NUC	Prunus persica (L.) Batsch var. nucipersica (Suckow) C. K. Schneid.	nectarine	brugnon	Nektarine, Nektarinenbaum	
	TWF				AU, NZ, US	_XXXX	Prunus domestica x prunus armeniaca				
	TWF				AU, QZ	PHOTI_GLA	Photinia glabra (Thunb.) Franch. & Sav.	Japanese photinia			
	TWF	TWO			AU, QZ, US	CORNU_ALB	Cornus alba L.	Siberian dogwood, Tartarian dogwood, Tartarian dogwood,	cornouiller blanc	tatarischer Hartriegel	
	TWF				AU, US	_XXXX	Prunus cerasifera x prunus munsoniana				
	TWF				BE	PRUNU_DOM_DOM	Prunus domestica L. subsp. domestica	European plum, gage, garden plum, plum, prune plum	prunier, prunier commun	Pflaume, Pflaumenbaum	Ciruelo, Cirolero
	TWF	TWO			CA	MALUS_FLO	Malus floribunda Siebold ex Van Houtte	Japanese crab apple, Japanese flowering crab apple, purple chokeberry, showy crab apple			
	TWF				CA	RUBUS_ALL	Rubus allegheniensis Porter	Allegheny blackberry, sow-teat blackberry		Alleghenybrombeere	
	TWF				CA	VITIS_LAB	Vitis labrusca L.	Concord grape, fox grape, skunk grape	vigne cotonneuse, vigne isabelle	Fuchsrebe, Isabellarebe	labrusca, parrón, parra brava
	TWF				CA	_XXXX	Vitis riparia x v cinerea				
	TWF				CA	_XXXX	Vitis riparia x v vinifera				
	TWF	TWO			CA, FR, US	MALUS_PUM	Malus pumila Mill.	paradise apple			
	TWF				CA, QZ	_XXXX	Prunus fruticosa pallas x prunus cerasus l				
	TWF	TWO			CA, US	HIBIS_MOS	Hibiscus moscheutos L.	common rose-mallow, mallow-rose, sea-hollyhock, swamp rose-mallow, water-mallow			
	TWF				CA, US	PERSI_MIC	Persicaria microcephala				
	TWF				CL, US	PRUNU_PER_NUC	Prunus persica var. nectarina (Aiton) Maxim.				
	TWF				DE	FRAGA_VCN	Fragaria vesca Rud. Bauer & A. Bauer				
	TWF				DE	_XXXX	Vitis berlandieri planch x vitis riparia michx				
	TWF				DE	_XXXX	Vitis berlandieri planch x vitis riparia michx x vitis cinerea engelm				

CHECKING TWP				Notes	Using authority	UPOV Code (_XXXX = hybrid; see TWV/38/3)	Botanical name	Common Name	Nom commun	Landesüblicher Name	Nombre común
TWA	TWF	TWO	TWV								
	TWF				DE	XXXX	Vitis berlandieri planch x vitis rupestris scheele				
	TWF				DE	XXXX	Vitis riparia michx x vitis cinerea engelm				
	TWF				DE	XXXX	Vitis riparia michx x vitis rupestris scheele				
	TWF				DE	XXXX	Vitis solonis hort berol ex planch x vitis riparia michx				
	TWF				DE	XXXX	Vitis vinifera l x vitis riparia michx				
	TWF				DE, HU, QZ, US	RIBES_NID	Ribes xnidigrolaria Rud. Bauer & A. Bauer	jostaberry		Jostabeere	
	TWF				DK, FR	XXXX	Prunus pseudocerasus x p avium				
	TWF				DK, NZ	XXXX	Prunus avium x p pseudocerasus l				
	TWF		TWV		ES	CUCUM_MEL_MFL	Cucumis flexuosus L.				
	TWF				ES	CYDON_	Cydonia patrones				
	TWF	TWO			ES	???	Malus patrones				
	TWF				ES	XXXX	Prunus avium x p cerasus hibrid				
	TWF				ES	XXXX	Prunus domestica l x prunus insititia x prunus s				
	TWF				ES	???	Prunus patrones				
	TWF				ES	???	Pyrus patrones				
	TWF				FI	VACCI_ANG	Vaccinium angustifolium Aiton	Blueberry, Lowbush Blueberry			
	TWF				FI	VACCI_ANG	Vaccinium angustifolium Aiton	blueberry, late sweet blueberry, low sweet blueberry, lowbush blueberry, sweetthurts, upland lowbush blueberry			
	TWF				FI	VACCI_ANG	Vaccinium angustifolium Aiton				
	TWF				FR	ELAEA_EBB	Elaeagnus xebbingei Boom				
	TWF				FR	ENSET_VEN	Musa ensete				
	TWF				FR	PRUNU_CAN	Prunus canescens Bois	Gray-leaf Cherry, Hoary Cherry			
	TWF				FR	PRUNU_DAV	Prunus davidiana (Carrière) Franch.				
	TWF				FR, DK, HU, NO, QZ, SK	RIBES_RUB	Ribes rubrum L.	Red Currant			
	TWF				FR, DK, HU, NO, QZ, SK	RIBES_RUB	Ribes rubrum L.	common currant, garden currant, red currant, white currant	groseillier commun, groseillier rouge	rote Johannisbeere	grosellero común, grosellero rojo
	TWF				FR, DK, HU, NO, QZ, SK	RIBES_RUB	Ribes rubrum L.				
	TWF	TWO			GB, QZ	HIBIS_ACE	Hibiscus acetosella Welw. ex Hiern	false roselle, red-leaf hibiscus			
	TWF				HU	PRUNU_MAH	Cerasus mahaleb (L.) Mill.				
	TWF				HU	CRYLS_AVE	Corylus pontica K. Koch				
	TWF				HU	PRUNU_ARM	Prunus armeniaca l cinvar mi				
	TWF				HU	PYRUS_COM_PRS	Pyrus pyrastra burgsd				
	TWF				HU, RU	RIBES_AUR	Ribes aureum Pursh	golden currant			
	TWF				IL	HYLOC_	Hylocereus (A. Berger) Britton et Rose				
	TWF				IT	PRUNU_PER	Prunus persica stokes				



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TWA	TWF	TWO	TWV								
	TWF				JP	PYRUS_COM	<i>Pyrus communis</i> l var sativa dc				
	TWF				JP	RUBUS_TRI	<i>Rubus trifidus</i> Thunb.				
	TWF				JP	SCHSN_	<i>Schizandra nigra maxim</i>				
TWA	TWF	TWO	TWV		JP	???	<i>Slenopsis axillaris</i>				
	TWF	TWO			JP	SORBU_COM	<i>Sorbus commixta</i> Hedl.				
	TWF				JP	VACCI_BRA	<i>Vaccinium bracteatum</i> Thunb.	sea bilberry			
	TWF				JP, RU	CMLIA_SIN	<i>Thea sinensis</i> L.	Tea	Théier	Tee	Te
	TWF	TWO			NO	LONIC_INV	<i>Lonicera involucrata</i> (Richardson) Banks ex Spreng.	bearberry honeysuckle, black twinberry, twinberry		behüllte Heckenkirsche	
	TWF	TWO			NO	LONIC_NOT	<i>Lonicera x notha</i> Zab				
	TWF				NO	RUBUS_CHA	<i>Rubus chamaemorus</i> L.	bake-apple, baked-apple-berry, cloudberry, salmonberry, yellow-berry		Moltebeere	
	TWF				NO	SAMBU_RAC_PUB	<i>Sambucus pubens</i> michx				
	TWF	TWO			NO, RU	LONIC_TAT	<i>Lonicera tatarica</i> L.	Tartarian honeysuckle, Tatarian honeysuckle	clématite de Tartarie	Tataren-Heckenkirsche	
	TWF	TWO			NZ	ACTIN_HEM_HEM	<i>Actinidia hemsleyana</i> Dunn var. <i>hemsleyana</i>				
	TWF				NZ	XXXX	<i>Citrus paradisi</i> x <i>c reticulata</i> x <i>c reticulata</i> blanco				
	TWF				NZ	XXXX	<i>Citrus unshiu</i> x <i>c sinensis</i> x <i>c unshiu</i>				
	TWF	TWO			NZ	CORNU_CAP	<i>Cornus capitata</i> Wall.	Bentham's cornel	cornouiller du Bentham		
	TWF	TWO			NZ	FICUS_LIN	<i>Ficus lingua</i> warb ex de wildeman t dur				
	TWF				NZ	PRUNU_SRU	<i>Prunus serrulata</i> Lindl.	Oriental cherry			
	TWF				NZ	XXXX	<i>Pyrus communis</i> x <i>p pyrifolia</i>				
	TWF	TWO			NZ, QZ	MALUS_TOR	<i>Malus sieboldii</i> (Regel) Rehder				
	TWF	TWO			NZ, QZ, US	FICUS_LYR	<i>Ficus lyrata</i> Warb.	Banjo fig, fiddle-leaf fig			
	TWF	TWO			QZ	FICUS_BIN	<i>Ficus binnendijkii</i> Miq				
	TWF	TWO			QZ	FICUS_SAG	<i>Ficus sagittata</i> Vahl				
	TWF	TWO			QZ	FICUS_STR	<i>Ficus stricta</i> (Miq.) Miq.				
	TWF	TWO			QZ	FICUS_NAT_LEP	<i>Ficus triangularis</i> Warb.				
	TWF	TWO			QZ	HIBIS_SCH	<i>Hibiscus schizopetalus</i> (Mast.) Hook. f.	coral hibiscus			
	TWF				QZ	PODOP_	<i>Podophyllum</i> L.				
	TWF				QZ	XXXX	<i>Prunus avium</i> x <i>prunus fruticosa</i> pallas				
	TWF				QZ	XXXX	<i>Prunus besseyi</i> x <i>prunus cerasifera</i> ehrh				
	TWF				QZ	XXXX	<i>Prunus canescens</i> l x <i>prunus incisia</i> l				
	TWF				QZ	XXXX	<i>Prunus canescens</i> l x <i>prunus tomentosa</i> l				
	TWF				QZ	XXXX	<i>Prunus persica</i> x <i>prunus davidiana</i> l				
	TWF				QZ	RIBES_SAN	<i>Ribes sanguineum</i> Pursh	red-flower currant, winter currant			
	TWF				QZ, US	ASIMI_TRI	<i>Asimina triloba</i> (L.) Dunal	Pawpaw		Dreilappige Papau	
	TWF				QZ, US	ASIMI_TRI	<i>Asimina triloba</i> (L.) Dunal	Dog-banana, Indian-banana, Pawpaw, Pawpaw tree	asiminier	Papau	asimina
	TWF	TWO			QZ, US	BROME_	<i>Bromelia</i> L.				
	TWF	TWO			QZ, US	LONIC_BRO	<i>Lonicera xbrownii</i> (Regel) Carrière	scarlet trumpet honeysuckle			
	TWF	TWO			QZ, US	LONIC_JAP	<i>Lonicera japonica</i> Thunb.	Japanese honeysuckle	clématite du Japon	japanisches Geißblatt	madreselva

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TWA	TWF	TWO	TWV								
	TWF				QZ, US	XXXX	Prunus domestica x prunus persica				
	TWF				QZ, US	XXXX	Prunus persica x prunus domestica l				
	TWF				QZ, US	PRUNU_PUM	Prunus pumila L.	dwarf cherry, sand cherry		Sandkirsche	
	TWF				QZ, US	XXXX	Prunus tomentosa thunb x prunus cerasifera				
	TWF				RO	VITIS_VIN_SAT	Vitis vinifera ssp sativa				
	TWF				RO,	VITIS_CIN_HEL	Vitis berlandieri				
	TWF				RU	ELAEA_MUL	Elaeagnus multiflora Thunb.	Cherry elaeagnus	goumi		
	TWF				RU	VACCI_OXY	Oxycoccus palustris Pers.				
	TWF				RU	PRUNU_PAD	Padus racemosa (Lam.) C. K. Schneid.				
	TWF				RU	PRUNU_SAR	Prunus sachalinensis (F. Schmidt) Miyoshi				
	TWF				RU	PYRUS_USS	Pyrus ussuriensis Maxim.	Harbin pear, Ussurian pear		Ussuri-Birne	
	TWF				RU	RIBES_PAU	Ribes pauciflorum Turcz. ex Pojark.				
	TWF				RU	VACCI_ULI	Vaccinium uliginosum L.	bog bilberry, bog blueberry, western-huckleberry		Moosebeere, Rauschbeere	
	TWF				UA	RIBES_RUB	Ribes vulgare Lam.				
	TWF				US	AMELA_CAN	Amelanchier canadensis (L.) Medik.	Juneberry, Shadbush, Thicket serviceberry			
	TWF				US	AMELA_LAE	Amelanchier laevis Wiegand	Allegheny serviceberry			
	TWF				US	CELTI_	Celtis L.			Zürgelbaum	
	TWF				US	ANNON_CHE	Charimoya				
	TWF	TWO			US	CORNU_ALT	Cornus alternifolia L. f.	Green osier, Pagoda dogwood	cornouiller à feuilles alternes	wechselblättriger Hartriegel	
	TWF	TWO			US	FICUS_MCL	Ficus maclellandii				
	TWF				US	JUGLA_CIN	Juglans cinerea L.	butternut, white walnut	noyer cerdré	Butternußbaum	nogal ceniciento
	TWF	TWO			US	MALUS_HUP	Malus hupehensis (Pamp.) Rehder	Chinese crab apple, tea crab apple			
	TWF	TWO			US	MALUS_PRU	Malus prunifolia (Willd.) Borkh.	Chinese apple, crab apple, plum-leaf apple			
	TWF	TWO			US	MALUS_DOM	Malus pumila mill var domestica				
	TWF				US	PISTA_CHI	Pistacia chinensis Bunge				
	TWF				US	XXXX	Prunus amygdalus x prunus blireiana				
	TWF				US	XXXX	Prunus armeniaca x prunus domestica x prunus armeniaca				
	TWF				US	XXXX	Prunus armeniaca x prunus salicina x prunus armeniaca x prunus				
	TWF				US	XXXX	Prunus blireiana x prunus blierianna				
	TWF				US	PRUNU_DUL	Prunus communis (L.) Arcang.				
	TWF				US	XXXX	Prunus domestica x prunus domestica x prunus armeniaca				
	TWF				US	XXXX	Prunus domestica x prunus domestica x prunus domestica x prunus armeniaca				
	TWF				US	PRUNU_PER_PER	Prunus persica (L.) Batsch var. persica	peach	brugnonier, pêcher	Pfirsich, Pfirsichbaum	abridor, duraznero, durazno, melocotonero
	TWF				US	XXXX	Prunus persica x prunus domestica x prunus persica				
	TWF				US	XXXX	Prunus salicina x prunus armeniaca x prunus salicina x prunus s				

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TWA	TWF	TWO	TWV								
	TWF				US	XXXX	Prunus salicina x prunus salicina x prunus armeniaca				
	TWF				US	PRUNU_SAR	Prunus sargentii Rehder	northern Japanese hill cherry, Sargent's cherry	cerisier de Sargent	Berg-Kirsche	
	TWF				US	PYRUS_BET	Pyrus betulifolia Bunge	birch-leaf pear		birkenblättriger Flügelstorax	
	TWF				US	XXXX	Pyrus calleryana x betulifolia				
	TWF				US	MALUS_DOM	Pyrus malus L.				
	TWF				US	RUBUS_CAE	Rubus caesius L.	European dewberry	ronce bleuâtre	Acker-Brombeere, Kratzbeere	
	TWF				US	RUBUS_HAY	Rubus calycinoides Hayata				
	TWF				US	XXXX	Rubus idaeus x neglectus				
	TWF				US	RUBUS_LOG	Rubus loganobaccus L. H. Bailey	boysenberry, loganberry, phenomenal berry, tayberry		Loganbeere	
	TWF				US	RUBUS_STR	Rubus strigosus Michx.	American red raspberry			
	TWF	TWO			US	SORBU_DOM	Sorbus domestica L.	Service Tree	cormier	Speierling	serbal común
	TWF				US	VITIS_ROT_MUS	Vitis muscadinia				
	TWF				US	VITIS_ROT	Vitis rotundifolia Michx.	muscadine grape, southern fox grape	vigne musquée	Muscadinerebe	moscada, vite moscata
	TWF				US, ZA	XXXX	Prunus armeniaca x prunus domestica				
	TWF				ZA	CYCLP_	Cyclopia Vent.	Honeybush Tea	-	-	-
	TWF				ZA	XXXX	Prunus persica x prunus dulcis				
	TWF				ZA	SCLER_BIR	Sclerocarya birrea (A. Rich.) Hochst.				
	TWF				ZA	SCLER_BIR_CAF	Sclerocarya birrea (A. Rich.) Hochst. ssp. caffra (Sond.) Kokwaro	Marula, Maroola-plum	-	-	-
	TWF	TWO			Unknown	ACTIN_DEL	Actinidia chinensis var. deliciosa (A.Chev.) A. Chev.				
	TWF	TWO			Unknown	ACTIN_DEL	Actinidia chinensis var. hispida C.F.Liang				
	TWF	TWO			unknown	ACTIN_DEL	Actinidia latifolia var. deliciosa A.Chev.				
	TWF				unknown	ALIBE_EDU	Alibertia edulis (L. Rich.) A. Rich.	Wild Guava		Alibertia, Wilde Guave	
	TWF				unknown	ANNON_ATE	Annona atemoya			Atemoya	
	TWF				unknown	ANNON_GLA	Annona glabra L.	Alligator-apple, Pond-apple	annone des marais, corossolier des marais	Glatte Annone, Wasserapfel	anón liso, bagá, palo bobo
	TWF				unknown	ANNON_LON	Annona longiflora S. Watson			Wilde Cherimoya	
	TWF				unknown	ANNON_MON	Annona montana Macfad.	Mountain soursop	corossolier bâtard	Bergannone, Schleimapfel	guanábana cimarrona
	TWF				unknown	ANNON_PUR	Annona purpurea Moc. & Sessé ex Dunal		Atier, tête de négre	Soncoja	anona rosada, catagüire, manirote, soncoya, turaua, toreta
	TWF	TWO			unknown	ARBUT_AND	Arbutus andrachne L.	Cyprus Strawberry Tree, Grecian Strawberry Tree		Östlicher Erdbeerbaum	
	TWF	TWO			unknown	ARECA_CAT	Areca catechu L.	Areca palm, areca-nut, areca- nut palm, betel palm betelnut, betelnut palm, catechu, Indian- nut, Pinang	aréquier, noix d'arec	Betelnuss, Betelpalme	areca, bonga

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TWA	TWF	TWO	TWV								
	TWF				unknown	ARTOC_ALT	Artocarpus altilis (Parkinson) Fosberg	Breadfruit, breadnut	arbre à pain	Brotfruchtbaum	árbol del pan, fruta de pan
	TWF				unknown	ARTOC_INT	Artocarpus integer (Thunb.) Merr.	Chempedak, campedak		Champedak	
	TWF				unknown	ASTRC_VUL	Astrocaryum vulgare Mart.	Awarra palm, tucum palm, tucuma palm, Star Nut Palm	aoura	Tukumá	cumare, tucuma
	TWF				unknown	BACCA_DUL	Baccaurea dulcis (Jacq.) Müll. Arg.	Ketupa			
	TWF				unknown	BACCA_MOT	Baccaurea motleyana (Muell. Arg.) Muell. Arg.	Rambai		Rambai	
	TWF				unknown	BACCA_RAM	Baccaurea ramiflora Lour.	Baccaurea, Burmese-grape			
	TWF				unknown	BACCA_RAM	Baccaurea sapida Müll. Arg.			Rambai	
	TWF				unknown	BACTR_GAS	Bactris gasipaes Kunth	Peach Palm		Pejibaye, Pfirsichpalme	
	TWF				unknown	BOUEA_MAC	Bouea macrophylla Griff.	Gandaria		Gandaria	
	TWF				unknown	BYRSO_CRA	Byrsonima crassifolia (L.) Kunth	Craboo, Gloden-spoon, nance	nance	Nance	indano, nancé, peraleja, yoco
	TWF				unknown	CANAR_OVA	Canarium ovatum Engl.	Pilnut		Pilinußbaum, Pilinuss	nuez pili
	TWF				unknown	CASIM_EDU	Casimiroa edulis La Llave & Lex.	Casimiroa, Mexican-apple, White sapote	pomme mexicaine, sapote blanche	Cochilsapote, weiße Sapote	matasano, zapote blanco
	TWF	TWO			unknown	CASIA_RET	Cassia gaudichaudii Hook. & Arn.				
	TWF				unknown	CASTA_SAT	Castanea vesca Gaertn.				
	TWF				unknown	CELTI_AUS	Celtis australis L.	European hackberry, European nettletree, honey-berry, lotetree, Mediterranean hackberry		Südlicher Zürgelbaum	
	TWF				unknown	CHRSP_LAN	Chrysophyllum lanceolatum			Lawalu	
	TWF				unknown	CITRU_HYS	Citrus hystrix DC.	Porcupine Orange, Leech Lime, Mauritius Papeda	combava	Kafir-Limette, Makrut Limette, Papeda	
	TWF	TWO			unknown	CORNU_KOU_CHI	Cornus kousa Hance var. chinensis Osborn				
	TWF	TWO			unknown	CORNU_KOU_CHI	Cornus kousa var. kousa				
	TWF		TWV		unknown	CUCUM_MEL_MFL	Cucumis melo L. subsp. melo var. flexuosus (L.) Naudin				
	TWF		TWV		unknown	CUCUM_MET	Cucumis metuliferus E. Mey. ex Naudin	African horned cucumber, African horned melon, jelly melon, Kiwano	concombre africain	Horngurke, Hommelone, Kiwano	
	TWF		TWV		unknown	CUCUM_SAT_SAT	Cucumis sativus L. var. sativus	cucumber, gherkin	concombre, cornichon	Gurke	pepino, cohombro
	TWF				unknown	CYDON_OBL	Cydonia vulgaris Pers.				
	TWF				unknown	CYNOM_CAU	Cynometra cauliflora L.	Nam-Nam		Namnam, Froschfrucht	
	TWF	TWO			unknown	CORNU_KOU_CHI	Dendrobenthamia japonica var. chinensis (Osborn) W.P. Fang				
	TWF				unknown	DIALI_IND	Dialium indum L.	Velvet Tamarind, Tamarind Plum		Jkranji, Samttamarinde, Tamarindenpflaume, Schwarze Tamarinde	keranji
	TWF				unknown	DILLE_PHI	Dillenia philippinensis Rolfe	Philippine Roseapple		Philippinischer Rosenapfel	

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TWA	TWF	TWO	TWV								
	TWF				unknown	DILLE_LON	Dimocarpus longan Lour.	Dragon's Eye, Longan fruit	longanier, oeil de dragon	Drachenaugel, Longan, Longanbaum, Longanbeere	longán
	TWF				unknown	DIOSP_BLA	Diospyros blancoi A.DC.	Mabolo, mabolo-tree, Velvet Apple, velvet persimmon	pommier velours	Mabolo	camagón
	TWF				unknown	DIOSP_DIG	Diospyros digyna Jacq.	Black Sapote, black persimmon	barbaquois	Schwarzes Ebenholz, Schwarze Sapote	sapote negro, zapote negro
	TWF				unknown	DIOSP_LOT	Diospyros lotus L.	Date-plum, lotus persimmon, lotustree	faux lotier, guyac de Tadone, plaqueminier lotier	Lotuspflaume, Lotuspflaumenbaum	caqui, guayacán africano
	TWF				unknown	DIOSP_VIR	Diospyros virginiana L.	American Persimmon, persimmon, Winter Plum	plaqueminier d'Amérique	Persimone	caqui de Virginia, caqui silvestre
	TWF				unknown	DOVYA_CAF	Dovyalis caffra (Hook. f. et Harv.) Hook. f.	kei-apple		Kei-Apfel	manzana café
	TWF				unknown	EREMC_GLA	Eremocitrus glauca (Lindl.) Swingle	Australian desert-lime, desert-lime		australische Wüstenlimette	
	TWF				unknown	EUGEN_STI	Eugenia stipitata McVaugh				Arazá
	TWF				unknown	CASTA_SET	Fagus castanea L.				
	TWF	TWO			unknown	FICUS_NAT_LEP	Ficus natalensis Hochst. subsp. leprieurii (Miq.) C. C. Berg				
	TWF				unknown	FLACO_RUK	Flacourtia rukam Zoll. Et Moritzi	Rukam	prunier café, prunier de chine, prunier malgache	Madagaskarpflaume	ciruela de Madagascar
	TWF				unknown	GARCI_XAN	Garcinia xanthochymus Hook. f.	Mundu, mysore gamboge, sour mangosteen		Mundu	
	TWF				unknown	GENIP_AME	Genipa americana L.	Genip, Genipap, Marmalade Box	confiture de singe, génipa	Genipap	caruto, genipa, huito, irayol, yagua
	TWF				unknown	GNETU_GNE	Gnetum gnemon L.	Melinjo, meminjau, bago, Spinach Joint Fir		Meerträubel, Melinjo	
	TWF				unknown	HYLOC_UND	Hylocereus undatus (Haw.) Britton et Rose	belle-of-the-night, dragon-fruit, night-blooming cereus, pitahaya, queen-of-the-night, strawberry-pear	pitahaya rouge, pitaya	Pitahaya, Distelbirne	chacam, chak-wob, junco tapatío, pitahaya dulce, pitahaya orejona, reina de la noche, tasajo, zacamb
	TWF				unknown	INGAA_EDU	Inga edulis Mart.	Icecream-Bean	pois doux	Affenschwanz-Inga, Ingabohne	chalaite, cuajiniquil, guaba, pacay
	TWF				unknown	KIGEL_AFR	Kigelia africana (Lam.) Benth.	Sausage Tree	saucissonnier	Leberwurstbaum	árbol de las salchichas
	TWF				unknown	LICAN_PLA	Licania platypus Fritsch	Sonzapote, Zunzapote		Sonzapote	
	TWF				unknown	LIMOA_ACI	Limonia acidissima L.	Elephant Apple, Indian wood-apple, Wood Apple		Elefantenapfel	
	TWF				unknown	LODOI_MAL	Lodoicea maldivica (J.F. Gmel.) Pers.	Cocodemmer, Double Coconut, Seychelles Nut, Sea coconut	coco-de-mer	Seychellennuss	
	TWF	TWO			unknown	MALUS_PUM	Malus pumila var. paradisiaca (L.) C. K. Schneid.				
	TWF	TWO			unknown	MALUS_TOR	Malus toringo (Siebold) Siebold ex de Vriese	toringa crab apple		Siebolds Apfel	
	TWF				unknown	MANGI_FOE	Mangifera foetida Lour.	Bachang mango, Grey Mango		Graue Mango, Stinkende Mango	

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TWA	TWF	TWO	TWV								
	TWF				unknown	MANGI_MAG	Mangifera magnifica Kochummen			Prächtige Mango	
	TWF				unknown	MANGI_ODO	Mangifera odorata Griff.	Saipan Mango, Kweenee, kuwini	manguier odorant	Saipan-Mango, Kwini, Duftende Mango	
	TWF				unknown	MANIL_ZAP	Manilkara achras (Mill.) Fossberg	Sapodilla, Naseberry		Sapodilla, Breiapfel, Kaugummibaum, Westindische Mispel, Zapote	
	TWF				unknown	MANIL_BID	Manilkara bidentata (A. DC.) A. Chev.	Beef Wood		Balata	
	TWF				unknown	MANIL_ZAP	Manilkara zapota (L.) Royen	Marmalade Plum, Sapodilla, chicle, chico sapote, naseberry, sapodilla, sapote	sapotier, sapotillier	Breiapfelbaum, Kaugummibaum, Sapodillbaum, Sapote	níspero, zapote, zapotillo
	TWF	TWO			unknown	MAURI_FLX	Mauritia flexuosa L. f.	Ita Palm, muriti, tree-of-life		Morichopalme, Yurumabrot	
	TWF				unknown	MELCO_BIJ	Melicoccus bijugatus Jacq.	Honey Berry, Spanish Lime, genip	kenépier, quenette	Honigbeere, Quenepa	mamoncillo
	TWF				unknown	MORND_CIT	Morinda citrifolia L.	Morinda, Indian-mulberry, noni, rotten cheese-fruit	bois douleur	Morinda	mora de la India
	TWF				unknown	MORUS_RUB	Morus rubra L.	Red Mulberry		Roter Maulbeerbaum	moral rojo
	TWF				unknown	MUNTI_CAL	Muntingia calabura L.	Jamaica Cherry, calabur-tree, capulin, Panama-berry, strawberry-tree	bois ramier	Jamaikakirsche	capulín blanco, nigua
	TWF				unknown	MUSAA_BAS	Musa basjoo Siebold & Zucc. ex linuma	Japanese Banana		Japanische Faser-Banane	
	TWF				unknown	MUSAA_SUM	Musa sumatrana Becc. ex André	Blood Banana		Blut-Banane	
	TWF				unknown	MUSSA_	Mussaenda L.				
	TWF				unknown	MYRIC_CAU	Myricaria cauliflora (Mart.) Berg.	Jaboticaba, Jabuticaba		Jaboticaba	
	TWF				unknown	OEMLE_CER	Oemleria cerasiformis (Torr. et A. Gray ex Hook. et Arn.) J.W. Landon	Indian Plum, Osoberry		Oregonpflaume	
	TWF				unknown	PALAK_TAC	Palakowskia tacaco Pitt.			Tacaco	
	TWF				unknown	PASSI_LAU	Passiflora laurifolia L.	Jamaica Honeysuckle, Water Lemon, bell-apple, sweetcup, yellow granadilla	pomme d'or	Gelbe Grenadille, Wasserlimone	parcha
	TWF				unknown	PASSI_TRI_MOL	Passiflora tripartita var. mollissima (Kunth) Holm-Niels	Banana Passionfruit		Curuba	
	TWF				unknown	PASSI_TRI_MOL	Passiflora tripartita var. mollissima (Kunth) Holm-Niels	banana passionfruit, banana poka	tacso	Curuba	tacso, tumbo
	TWF				unknown	PASSI_TRI_MOL	Passiflora tripartita var. mollissima (Kunth) Holm-Niels				
	TWF				unknown	PHYL_TACI	Phyllanthus acidus (L.) Skeels	Indian Gooseberry, Otaheite Gooseberry, gooseberry-tree, Otaheite-gooseberry	cerisier de Tahiti, surette	Stachelbeerbaum, Baumstachelbeere, Grosella	grosellero, guinda
	TWF				unknown	PONCI_RAF	Poncirus trifoliata (L.) Raf.	hardy orange, trifoliolate-orange	orangier trifoliolé, poncirus	dreiblättrige Bitterorange	naranjo trébol
	TWF				unknown	PONCI_RAF	Poncirus trifoliata (L.) Raf.				

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TWA	TWF	TWO	TWV								
	TWF				unknown	PONCI_TRI	Poncirus trifoliata (L.) Raf.	Golden Apple, Trifoliata Orange	Oranger trifolié	Dreiblättrige Orange, Dreiblättrige Bitterorange	Naranjo trifoliado
	TWF				unknown	POUTE_LUC	Pouteria lucuma (Ruiz et Pav.) Kuntze	Canistel, Eggfruit, lucmo		Lucuma	lúcuma, lúcumo
	TWF				unknown	POUTE_SAP	Pouteria sapota (Jacq.) H.E. Moore et Stearn	mamee sapote, marmalade plum, marmalade-tree, Sapote		Marmeladen-Eierfrucht, große Sapote	mamey, mamey-colorado, sapote, zapote, zapote mamey
	TWF				unknown	XXXX	Prunus salicina x prunus salicina x prunus salicina x prunus a				
	TWF				unknown	PSIDI_ACU	Psidium acutangulum DC.	Para Guava			Para-Guave
	TWF				unknown	PSIDI_CAT_CAT	Psidium cattleianum Sabine var. cattleianum	purple strawberry guava, Cattley Guava, purple guava, red strawberry guava, strawberry guava	goyave fraise	(Purpurne) Erdbeer-Guave, Rote Guave	guayabo pequeño
	TWF				unknown	PSIDI_CAT	Psidium cattleianum Salisb.	Strawberry Guava, Cattley Guava			Erdbeer-Guave, Rote Guave
	TWF				unknown	PSIDI_FRI	Psidium friedrichsthalianum (O. Berg) Nied.	Costa Rican Guava	goyavier de Costa Rica	Costa-Rica-Guave, Cas	arrayán, cas ácida, guayaba de choco
	TWF				unknown	PSIDI_CAT_CAT	Psidium littorale var. longipes (O. Berg.) Fosberg				
	TWF				unknown	PYRUS_COM_PRS	Pyrus communis L. var. pyrastrer L.	wild pear	poirier sauvage	Wild-Birne, Wilder-Birnbaum	
	TWF				unknown	CYDON_OBL	Pyrus cydonia L.				
	TWF				unknown	RIBES_UVA_REC	Ribes uva-crispa L. var. reclinatum (L.) Berl.				
	TWF				unknown	RIBES_UVA_REC	Ribes uva-crispa L. var. reclinatum (L.) Berl.				
	TWF				unknown	RIBES_UVA_SAT	Ribes uva-crispa L. var. sativum DC.				
	TWF				unknown	RIBES_UVA_SAT	Ribes uva-crispa L. var. sativum DC.				
	TWF				unknown	ROLLI_MUC	Rollinia deliciosa Saff.			Biriba	
	TWF				unknown	ROLLI_MUC	Rollinia mucosa (Jacq.) Baill.	wild sweetsop	cachiman crème	Schleimapfel	anona, cachimán, candón, cherimoya
	TWF				unknown	XXXX	Rubus argutus x r cuneifolius				
	TWF				unknown	RUBUS_HAY	Rubus hayata-koidzumii Naruh.	yü-shan raspberry			
	TWF				unknown	SALAC_CON	Salacca conferta Griff.	Woodland Salak		Wald-Salak, Kelubi	
	TWF				unknown	SALAC_EDU	Salacca edulis Reinw.	Salak, Snake Fruit		Große Schlangenfrucht, Salak	
	TWF				unknown	SALAC_WAL	Salacca wallichiana Mart.	Sala, Rakum Palm		Rakum-Salak	
	TWF				unknown	SALAC_ZAL	Salacca zalucca (Gaertn.) Voss	salak, salak palm, snake fruit		Salakpalme, Schlangenfrucht	
	TWF				unknown	SAMBU_RAC_PUB	Sambucus racemosa L. subsp. pubens (Michx.) House	American red elder, red-berry elder, scarlet elder, stinking elder			
	TWF				unknown	SANDO_KOE	Sandoricum koetjape (Burm. f.) Merr.	Santol, Kechapi, donka, red santol, sentol	faux mangoustan, sandorique	Santol, Sandoribaum	
TWA	TWF		TWV		unknown	CYPHO_BET	Solanum betaceum Cav.	tree-tomato	arbre à tomates, tomate de La Paz, tomate en arbre	Baumtomate	tamarillo, tomate de árbol, tomate serrano

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TWA	TWF	TWO	TWV								
	TWF	TWO			unknown	SORBU_TOR	Sorbus torminalis (L.) Crantz	Wild Service Tree, checkertree, chequers		Elsbeere	
	TWF				unknown	SPOND_DUL	Spondias dulcis Sol. ex Parkinson	Golden Apple, Otahaite Apple, Ambarella, Polynesian Plum, makopa, Jew-plum, wi-tree, yellow-plum	casamangue, pomme cythère, prune cythère	Ambarella, Goldpflaume, Tahitiapfel, Goldene Balsampflaume	ambarella, jobo de la India
	TWF				unknown	STELE_BUR	Stelechocarpus burahol (Blume) Hook. f. et Thomson	Kepel		Kepel	
	TWF				unknown	SYZYG_AQU	Syzygium aqueum (Burm. f.) Alston	Water Roseapple, bellfruit, water-apple	jambo ayer	Wasserjambuse, Wasserapfel	perita costeña, tambis
	TWF				unknown	SYZYG_CUM	Syzygium cumini (L.) Skeels	Jambolan, jaman		Wachs-Jambuse	
	TWF				unknown	SYZYG_JAM	Syzygium jambos (L.) Alston	Malabar Plum, Rose Apple, jambos	jamboisier, pomme- rose	Rosenapfel, Rosenapfelbaum	manzana rosa, pomarrosa, yambo
	TWF				unknown	SYZYG_MAL	Syzygium malaccense (L.) Merr. et Perry	Malay Apple, mountain-apple, Otaheite-apple, pomerac, rose- apple	jamboissier rouge, poirier de Malaque, pomme malac	Malayenjambuse, Malayenapfel, Malaysia- Wachsapfel	manzana de agua, pomarrosa de Malaca
	TWF				unknown	SYZYG_SAM	Syzygium samarangense (Blume) Merr. et Perry	Java Apple, Wax Apple, Semarang rose-apple, wax jambu		Javaapfel	cajuil de Surinam, makopa
	TWF				unknown	TALIS_ESC	Talisia esculenta Radlk.	Pitomba		Pitomba	
	TWF				unknown	THEOB_GRA	Theobroma grandiflorum (Willd. ex Spreng.) Schum.	copoasu			Cupuazú
	TWF				unknown	TRAPA_NAT	Trapa natans L.	Water Chestnut, bull-nut		Wassernuss	
	TWF				unknown	TRAPA_NAT_NAT	Trapa natans L. var. natans	Jesuit's Nut, Water Chestnut, water caltrop	Châtaigne d'Eau, cornue, macre commune	Wassernuss	abrojo de agua, castaña de agua
	TWF				unknown	VACCI_OXY	Vaccinium oxycoccos L.	cranberry, European cranberry, mossberry, small cranberry		Moosbeere	
	TWF				unknown	VANGU_MAD	Vangueria madagascariensis J.F. Gmel.	Spanish-tamarind, tamarind-of- the-Indies	vavangue, voavanguier	Voavanga	tamarindo extranjero
	TWF				unknown	VANIL_PLA	Vanilla planifolia Jacks.	Bourbon Vanilla, vanilla	vanillier	Echte Vanille	vainilla
	TWF				unknown	VITIS_CIN_HEL	Vitis cinerea (Engelm.) Engelm. ex Millardet var. helleri (L. H. Bailey) M. O. Moore	Spanish grape		Winterrebe	
	TWF				unknown	_XXXX	Vitis riparia michx x vitis rupestris scheele x vitis cinerea engelm				
	TWF				unknown	ZIZIP_JUU	Ziziphus jujuba Mill.	Chinese jujube, Chinese-date, common jujube, jujube	jujubier commun	Brustbeere, Chinesische Dattel, Jujube	azufaifo
	TWF				unknown	ZIZIP_MAU	Ziziphus mauritiana Lam.	Indian Jujube, Indian Plum		Indische Jujube, Filziger Judendorn	