

Technical Working Party for Agricultural Crops

Forty-Sixth Session

Hanover, Germany, June 19 to 23, 2017

TWP/1/4

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Technical Working Party for Vegetables

Fifty-First Session

Roelofarendsveen, Netherlands, July 3 to 7, 2017

Technical Working Party for Ornamental Plants and Forest Trees

Fiftieth Session

Victoria, Canada, September 11 to 15, 2017

Technical Working Party for Fruit Crops

Forty-Eighth Session

Kelowna, Canada, September 18 to 22, 2017

Technical Working Party on Automation and Computer Programs

Thirty-Fifth Session

Buenos Aires, Argentina, November 14 to 17, 2017

UPOV INFORMATION DATABASES

Document prepared by the Office of the Union

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EXECUTIVE SUMMARY

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

2. The TWPs are invited to note:

(a) that a specification document explaining the data structure and functions of the GENIE database is being developed by the Office of the Union in order that IT-related maintenance can be provided in the future;

(b) that 173 new UPOV codes were created in 2016 and the total of 8,149 UPOV codes are included in the GENIE database;

(c) that the Office of the Union received a request from OECD to create new UPOV codes for 191 forest tree species moving in international trade under the OECD certification schemes;

(c) that the TC, at its fifty-third session, agreed that it would not be appropriate to revise the Guide to the UPOV Code System in relation to the principal botanical name for inter-generic and interspecific hybrids, as set out in paragraph 18 of this document;

(d) that the TC noted that, in order to avoid any misinterpretation, the CPVO would make it clear that the information provided to the Office of the Union would be in alphabetical order;

(e) the summary of contributions to the PLUTO database from 2013 to 2016 and the current situation of members of the Union on data contribution, as presented in the Annex I to this document; and

(h) that the WG-DEN, at its third meeting, held in Geneva on April 7, 2017, agreed that agenda item 5 "Expansion of the content of the PLUTO database" would be considered at a later meeting on the basis of the document presented at its second meeting.

3. The TWA, TWV, TWO and TWF are invited to:

(a) check the amendments to UPOV codes, the new UPOV codes or new information added for existing UPOV codes, and the UPOV codes used in the PLUTO database for the first time, which are provided in Annex II to this document; and

(b) submit comments on Annex II, part A “UPOV codes amendments to be checked”, part B “New UPOV codes or new information”, and part C “Crop type(s) of UPOV codes used in the PLUTO database for the first time” to the Office of the Union by October 31, 2017.

4. The structure of this document is as follows:

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ANNEX I REPORT ON DATA CONTRIBUTED TO THE PLANT VARIETY DATABASE BY MEMBERS OF THE UNION AND OTHER CONTRIBUTORS AND ASSISTANCE FOR DATA CONTRIBUTION

ANNEX II UPOV CODES TO BE CHECKED BY THE AUTHORITIES

5. The following abbreviations are used in this document:

CAJ:	Administrative and Legal Committee
TC:	Technical Committee
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
TWP(s):	Technical Working Party(ies)
TWV:	Technical Working Party for Vegetables
WG-DST:	Working Group for the Development of a UPOV Denomination Similarity Search Tool
WG-DEN:	Working Group on Variety Denominations

GENIE DATABASE

Background

6. It is recalled that the GENIE database (<http://www.upov.int/genie/en/>) has been developed to provide, for example, online information on the status of protection (see document C/[session]/6), cooperation in examination (see document C/[session]/5), experience in DUS testing (see document TC/[session]/4), and existence of UPOV Test Guidelines (see document TC/[session]/2) for different GENera and specIEs (hence GENIE), and is used to generate the relevant Council and TC documents concerning that information. In addition, the GENIE database is the repository of the UPOV codes and also provides information concerning alternative botanical and common names.

Maintenance of the GENIE database

7. The GENIE database was created with the help of the Information Technology Department of the World Intellectual Property Organization (WIPO). The IT-related maintenance of the GENIE database was also provided by WIPO. However, since 2016, WIPO no longer has staff to provide such maintenance work and UPOV is now responsible for IT-related maintenance of the GENIE database.

8. A specification document explaining the data structure and functions of the GENIE database is being developed by the Office of the Union in order that the IT-related maintenance can be provided in the future. In addition to corrective maintenance, a modification of the database is needed for uploading certain type of data when notes apply. Furthermore, improvements to the generation of reports for documents for the Council and relevant committees need to be made. This work is planned to be completed by the end of 2018.

9. The TWPs are invited to note that a specification document explaining the data structure and functions of the GENIE database is being developed by the Office of the Union in order that IT-related maintenance can be provided in the future.

UPOV CODE SYSTEM

Guide to the UPOV Code System

10. The “Guide to the UPOV Code System” is available on the UPOV website (see http://www.upov.int/genie/en/pdf/upov_code_system.pdf).

UPOV code developments

11. In 2016, 173 new UPOV codes were created and amendments were made to 16 existing UPOV codes. The total number of UPOV codes in the GENIE database at the end of 2016 was 8,149.

	Year								
	2008	2009	2010	2011	2012	2013	2014	2015	2016
New UPOV codes	300 (approx.)	148	114	173	212	209	577	188	173
Amendments	30 (approx.)	17	6	12	5	47*	37	11	16
Total UPOV Codes (at end of year)	6,346	6,582	6,683	6,851	7,061	7,251	7,808	7,992	8,149

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

12. In March 2017, the Office of the Union received a request from OECD to create new UPOV codes for 191 forest tree species moving in international trade under the OECD certification scheme by September 2017.

13. In accordance with the procedure set out in Section 3.3 of the Guide to the UPOV Code System, the Office of the Union will prepare tables of UPOV code additions and amendments, for checking by the relevant authorities, for each of the TWP sessions in 2017.

14. The Excel files provided as Annex II, part A “UPOV codes amendments to be checked”, part B “New UPOV codes or new information”, and part C “Crop type(s) of UPOV codes used in the PLUTO database for the first time” (available on the TWA/46, TWV/51, TWO/50, TWF/48 and TWC/35 website in excel file only) to this documents provide information on new UPOV codes added to the GENIE database and UPOV code amendments that have not yet been checked by the relevant authorities, as follows:

“Part A, ‘UPOV codes amendments to be checked’:

for each change, the old entry is highlighted in the row in red and the changes to the entry are found in the line immediately below that highlighted row (they have the same number in the first column). All Technical Working Parties and Authority(ies) are requested to check the amendments whether the amendments follow UPOV code system, reflects authentic botanical names and/or common names (see “Guide to the UPOV Code System” http://www.upov.int/export/sites/upov/genie/en/pdf/upov_code_system.pdf).

“Part B ‘New UPOV codes or new information’:

contains the new UPOV codes or new information added for existing UPOV codes. Highlighting in grey indicates that the UPOV code or name has not been changed. In this spreadsheet, the column headers highlighted in yellow indicate the relevant Technical Working Party (TWP) and Authority(ies) of interest which are requested to check the correctness of the information.”

“Part C ‘Crop type(s) of UPOV codes used in the PLUTO database for the first time’:

contains the new crop type allocation or amended allocation for new and existing UPOV codes. In this spreadsheet, the column headers highlighted in yellow indicate the relevant crop type(s) which are requested to check the correctness of the information.”

15. Experts of the TWA, TWV, TWO and TWF are requested to check the amendments to UPOV codes and the new UPOV codes or new information added for existing UPOV codes and to submit comments by September 29, 2017 for TWA and TWV, October 31, 2017 for TWO and TWF.

Proposal to the “Guide to the UPOV Code System” on the Principal Botanical Name for Inter-generic and Interspecific Hybrids

16. The TC, at its fifty-second session, held in Geneva from March 14 to 16, 2016, agreed to invite the European Union to make a proposal to the TWPs, at their sessions in 2016, to revise the Guide to the UPOV Code System with regard to UPOV codes for hybrid genera and species (see document TC/52/29 Rev. “Revised Report”, paragraph 163).

17. The TWC, TWO, TWV, TWA and TWF considered documents TWC/34/23, TWO/49/18, TWV/50/18, TWA/45/18 and TWF/47/25 “Proposal to the ‘Guide to the UPOV Code System’ on the Principal Botanical Name for Inter-Generic and Interspecific Hybrids” prepared by an expert from the European Union, respectively, which contained the following proposal:

“11. It is proposed:

- to reconsider the possibility of the registration of the Principal Botanical Name for intergeneric and interspecific hybrids in the UPOV GENIE database as described in the “Guide to the UPOV Code System” – its point 2.2.6 taking into account the wish of authorities to harmonize the names with the UPOV database and the experience of authorities as regards registration of botanical taxa for varieties applied for plant breeder’s rights. In particular, it is proposed to consider the option to register hybrids in the alphabetical order and to indicate the author’s names;
- to exchange opinion about the registration policy under the genus names by different authorities;
- to consider if there could be a possibility to indicate that a variety is a complex hybrid.”

18. The TWC, TWO, TWV, TWA and TWF considered the proposal to present the principal botanical name for UPOV Codes of hybrid genera and species indicating the parents in alphabetical order. The TWO, TWV, TWA and TWF noted the existence of different procedures among members and noted that in some members the information on parents of a hybrid ornamental variety were only published when confirmed and indicating the female parent first. The TWO, TWV, TWA and TWF noted that in one member the information on parents of a hybrid ornamental variety were published according to the information provided by the applicant. On that basis, the TWV, TWA and TWF agreed that it would not be appropriate to revise the Guide to the UPOV Code System in relation to the principal botanical name for inter-generic and interspecific hybrids (see documents TWC/34/32, paragraph 113, TWO/49/25, paragraph 73, TWV/50/25, paragraph 83, TWA/45/18, paragraph 66 and TWF/47/25, paragraph 83).

19. The TWF noted the comment made by the expert from the European Union that the creation of new botanical name in GENIE database, upon the request from CPVO, cannot be seen in accordance with the “Guide to the UPOV code system”. In order to avoid any misinterpretation, the CPVO makes it clear that the

information provided to the Office of the Union is in alphabetical order (see document TWF/47/25, paragraph 84).

20. The TC, at its fifty-third session, held in Geneva from April 3 to 5, 2017, considered the proposal to revise the Guide to the UPOV Code System in relation to the principal botanical name for intergeneric and interspecific hybrids, as set out in document TC/53/6, paragraphs 12 to 15. The TC noted the existence of different procedures among members and agreed that it would not be appropriate to revise the Guide to the UPOV Code System in relation to the principal botanical name for inter-generic and interspecific hybrids (see document TC/53/31 "Report", paragraph 156 to 157).

21. The TC noted that, in order to avoid any misinterpretation, the CPVO would make it clear that the information provided to the Office of the Union would be in alphabetical order.

22. *The TWPs are invited to note that:*

(a) 173 new UPOV codes were created in 2016 and the total of 8,149 UPOV codes are included in the GENIE database;

(b) the Office of the Union received a request from OECD to create new UPOV codes for 191 forest tree species moving in international trade under the OECD certification schemes;

(c) the TC, at its fifty-third session, agreed that it would not be appropriate to revise the Guide to the UPOV Code System in relation to the principal botanical name for inter-generic and interspecific hybrids, as set out in paragraph 18 of this document; and

(d) the TC noted that, in order to avoid any misinterpretation, the CPVO would make it clear that the information provided to the Office of the Union would be in alphabetical order.

23. *The TWA, TWV, TWO and TWF are invited to:*

(a) check the amendments to UPOV codes, the new UPOV codes or new information added for existing UPOV codes, and the UPOV codes used in the PLUTO database for the first time, which are provided in Annex II to this document; and

(b) submit comments on Annex II, part A "UPOV codes amendments to be checked", part B "New UPOV codes or new information", and part C "Crop type(s) of UPOV codes used in the PLUTO database for the first time" to the Office of the Union by October 31, 2017.

PLUTO DATABASE

Program for improvements to the PLUTO database

24. The CAJ, at its sixty-eighth session, held on October 21, 2013, considered document CAJ/68/6 "UPOV information databases" and approved the amendments to the Program for improvements to the PLUTO database ("Program") as set out in document CAJ/68/6, Annex II, subject to certain further amendments agreed at that session (see document CAJ/68/10 "Report on the Conclusions", paragraphs 23 to 26).

25. The Program reflecting amendments approved at previous sessions is available in documents TWA/43/5, TWV/48/5, TWO/47/5, TWF/45/5 and TWC/32/5 "UPOV Information Databases", Annex I.

26. The following paragraphs provide a summary of developments concerning the Program since the fifty-second session of the TC, held in Geneva, from March 14 to 16, 2016.

Provision of assistance to contributors (Program: section 2)

27. The Annex I to this document provides a summary of the contributions to the PLUTO database from 2013 to 2016 and the current situation of members of the Union on data contribution.

Search tools

28. Matters concerning the possible development of a similarity search tool for variety denomination purposes are reported in document TWP/1/6 "Variety Denominations".

Content of the PLUTO Database

29. The background of this matter is provided in documents TWA/45/5, TWV/50/5, TWO/49/5, TWF/47/5 and TWC/34/5 "UPOV Information databases".

30. The CAJ, at its seventy-third session, held in Geneva on October 25, 2016, noted the work by the WG-DEN concerning the expansion of the content of the PLUTO database (see document CAJ/73/10 "Report on the Conclusions", paragraph 28).

31. The TC, at its fifty-third session, noted that the WG-DEN, at its second meeting, had agreed that agenda item 5 "Expansion of the content of the PLUTO database" was not able to consider at its second meeting would be considered at its third meeting on the basis of the document presented at the second meeting (see document TC/53/31 "Report", paragraph 160).

32. The WG-DEN, at its third meeting, held in Geneva on April 7, 2017, agreed that matters that agenda item 5 "Expansion of the content of the PLUTO database" would be considered at a later meeting on the basis of the document presented at the second meeting.

33. The fourth meeting of the WG-DEN will be held in Geneva, on October 27, 2017.

34. *The TWPs are invited to note:*

(a) the summary of contributions to the PLUTO database from 2013 to 2016 and the current situation of members of the Union on data contribution, as presented in the Annex I to this document;and

(b) that the WG-DEN, at its third meeting, held in Geneva on April 7, 2017, agreed that agenda item 5 "Expansion of the content of the PLUTO database" would be considered at a later meeting on the basis of the document presented at its second meeting.

[Annexes follow]

REPORT ON DATA CONTRIBUTED TO THE PLANT VARIETY DATABASE BY MEMBERS OF THE UNION AND OTHER CONTRIBUTORS AND ASSISTANCE FOR DATA CONTRIBUTION

Contributor	Number of applications for Plant Breeders' Rights in 2015	Number of new data submissions to the Plant Variety Database in 2013	Number of new data submissions to the Plant Variety Database in 2014	Number of new data submissions to the Plant Variety Database in 2015	Number of new data submissions to the Plant Variety Database in 2016	Situation at March 31, 2017
African Intellectual Property Organization	0	-	0	0	0	A reminder e-mail with instructions for contribution sent on February 23, 2017, following receipt of incomplete data.
Albania	0 (2013)	0	0	1	1	Contributing data verification
Argentina	285	1	0	0	1	[Contributing data]
Australia	359	6	3	5	7	[Contributing data]
*Austria	0	4	3	3	4	
Azerbaijan	19 (2014)	0	0	0	0	Awaiting reply to e-mail of November 4, 2016, inviting data.
Belarus	15	0	0	0	1	[Contributing data]
*Belgium	1	4	4	6	5	
Bolivia (Plurinational State of)	5	0	0	0	1	[Contributing data]
Brazil	355	5	4	3	0	[Contributing data]
*Bulgaria	16	6	5	12	6	
Canada	273	5	5	7	11	[Contributing data]
Chile	107	3	2	4	6	[Contributing data]
China	2,342	0	1	2	1	[Contributing data] (State Forestry Administration)
Colombia	113	0	0	0	0	Data received on March 1, 2017. Received an e-mail on March 13, 2017, reporting that new data to replace the data of March 1, 2017 will be sent soon.
Costa Rica	2	0	2	1	3	[Contributing data]
*Croatia	7	0	0	3	2	
*Czech Republic	80	6	4	3	6	
*Denmark	1	6	8	12	11	
Dominican Republic	0 (2011)	0	0	0	0	Awaiting reply to e-mail of February 23, 2017, inviting data.
Ecuador	50 (2014)	2	1	0	0	Awaiting reply to e-mail of February 23, 2017, inviting data.
*Estonia	7 (2014)	4	4	9	3	
*European Union	3,111	6	6	10	13	
*Finland	13	3	2	2	2	
*France	119	5	6	13	11	

() Parenthesis indicates that data are currently being processed.

* Data provided via the CPVO.

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Annex I, page 2

Contributor	Number of applications for Plant Breeders' Rights in 2015	Number of new data submissions to the Plant Variety Database in 2013	Number of new data submissions to the Plant Variety Database in 2014	Number of new data submissions to the Plant Variety Database in 2015	Number of new data submissions to the Plant Variety Database in 2016	Situation at March 31, 2017
Georgia	24	2	1	0	2	[Contributing data]
*Germany	66	6	8	11	12	
*Hungary	26	6	6	16	19	
*Iceland	0 (2012)	0	0	0	0	
*Ireland	2 (2014)	2	2	2	2	
Israel	50	0	2	1	1	[Contributing data]
*Italy	4	6	4	8	6	
Japan	1,126	2	5	4	1	[Contributing data]
Jordan	12	0	0	0	1	[Contributing data]
Kenya	71	1	2	0	1	[Contributing data]
Kyrgyzstan	3	0	1	0	0	Data in preparation
*Latvia	7	1	3	1	1	
*Lithuania	11	3	2	3	4	
Mexico	193	1	1	1	3	[Contributing data]
Montenegro	n/a	-	-	0	0	Awaiting reply to e-mail of March 1, 2017, inviting data.
Morocco	50	1	0	2	0	[Contributing data]
*Netherlands	799	6	2	10	11	
New Zealand	123	3	5	6	5	[Contributing data]
Nicaragua	12	0	0	0	0	Participated in the training course in 2015 and planned to submit data by end of November 2015. Awaiting reply to e-mail of February 23, 2017, inviting data.
*Norway	36	3	1	4	3	
Oman	0	0	0	0	0	Received data on March 16, 2017.
Panama	0	0	0	0	1	[Contributing data]
Paraguay	34 (2013)	0	0	1	1	[Contributing data]
Peru	63	0	2	0	0	Planning to submit data by the end of April, 2017
*Poland	97	5	5	3	5	
*Portugal	1	1	2	0	2	
Republic of Korea	757	2	1	0	1	[Contributing data] Clarifications needed with regard to latest data provided before uploading in PLUTO
Republic of Moldova	37	0	2	3	3	[Contributing data]
*Romania	27	3	4	4	4	
Russian Federation	743	4	2	5	5	[Contributing data]
Serbia	46	3	2	3	4	[Contributing data]
Singapore	6 (2014)	0	0	0	0	No data
*Slovakia	19	6	4	4	5	
*Slovenia	0	3	5	5	5	
South Africa	350	2	0	0	1	[Contributing data]
*Spain	68	4	5	5	5	

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Annex I, page 3

Contributor	Number of applications for Plant Breeders' Rights in 2015	Number of new data submissions to the Plant Variety Database in 2013	Number of new data submissions to the Plant Variety Database in 2014	Number of new data submissions to the Plant Variety Database in 2015	Number of new data submissions to the Plant Variety Database in 2016	Situation at March 31, 2017
*Sweden	1	5	6	11	12	
*Switzerland	64	6	7	6	5	
The former Yugoslav Republic of Macedonia	n/a	0	0	0	0	Participated in the training course in 2014 and planned to submit data upon receipt of applications.
Trinidad and Tobago	0 (2013)	0	0	0	0	Participated in the training course in 2014. Awaiting reply to e-mail of February 23, 2017, inviting data.
Tunisia	31	0	0	0	0	Awaiting reply to e-mail February 23, 2017, inviting data submission
*Turkey	231	1	1	1	3	
Ukraine	1,075	0	0	0	0	Awaiting reply to e-mail of March 1, 2017, inviting data.
*United Kingdom	20	6	10	11	13	
United Republic of Tanzania	n/a	-	-	0	0	
United States of America	1,634	6	10	17	16	[Contributing data]
Uruguay	49 (2014)	0	1	1	0	[Contributing data] Clarifications needed with regard to latest data provided before uploading in PLUTO
Uzbekistan	29 (2014)	0	0	0	0	Participated in the training course in 2014 and planned to submit data in 2015. Awaiting reply to e-mail of March 7, 2017.
Viet Nam	148	0	0	0	0	Participated in the training course in 2014 and planned to submit data in 2015. Data in preparation.
OECD	-	1	1	0	2	[Contributing data]
Number of UPOV members that contributed to the PLUTO database		44	48	45	52	
Percentage of UPOV members that contributed to the PLUTO database		62%	67%	61%	70%	

[Annex II follows]

Part A: UPOV codes amendments to be checked

= original (old) entries

= no change

No.	old / new	UPOV Code	Hybrid	Parent	Denomination class	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
385	Old	DICEN_FPE						Dicentra formosa × Dicentra peregrina	Dicentra formosa subsp. oregana × Dicentra peregrina				
385	New	NO CHANGE						Hybrids between Dicentra formosa and Dicentra peregrina					
386	Old	BROMU_STA											
386	New	to delete						(synonym of Bromus catharticus var. elatus (BROMU_CAT_ELA) by GRIN)					
387	Old	BROMU_CAT_ELA							Bromus stamineus E. Desv.				
387	New	NO CHANGE							Bromus stamineus E. Desv.; Bromus valdivianus Phil.				
388	Old	LANDO_PUN											
388	New	NO CHANGE							Spirodela oligorrhiza (Kurz) Hegelm.				
389	Old	ARGLE_FCA						Argyranthemum frutescens × Chrysanthemum carinatum					
389	New	NO CHANGE						Argyranthemum frutescens × Glebionis carinata	Argyranthemum frutescens × Chrysanthemum carinatum				
390	Old	ELTRG_PON						Elytrigia pontica (Podp.) Holub					
390	New	THINO_PON						Thinopyrum ponticum (Podp.) Barkworth & D. R. Dewey	Elytrigia pontica (Podp.) Holub				
391	Old	ELTRG_ELO					(align GRIN)	Elytrigia elongata (Host) Nevski	Agropyron elongatum (Host) P. Beauv.; Elymus elongatus (Host) Runemark				
391	New	THINO_ELO					(align GRIN)	Thinopyrum elongatum (Host) D. R. Dewey	Elytrigia elongata (Host) Nevski; Agropyron elongatum (Host) P. Beauv.; Elymus elongatus (Host) Runemark				
392	Old	ELTRG_INT					(align GRIN)	Elytrigia intermedia (Host) Nevski	Agropyron intermedium (Host) P. Beauv.; Agropyron trichophorum (Link) K. Richt.; Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis; Elymus hispidus (Opiz) Melderis subsp. Hispidus				
392	New	THINO_INT_INT					(align GRIN)	Thinopyrum intermedium (Host) Barkworth & D. R. Dewey subsp. intermedium	Elytrigia intermedia (Host) Nevski; Agropyron intermedium (Host) P. Beauv.; Agropyron trichophorum (Link) K. Richt.; Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis; Elymus hispidus (Opiz) Melderis subsp. Hispidus				
393	Old	ELTRG_INT_INT					(align GRIN)						
393	New	to delete						(synonym of THINO_INT_INT)					
393	Old	ELTRG_REP					(align GRIN)	Elytrigia repens (L.) Desv. ex Nevski	Agropyron repens (L.) P. Beauv.; Elymus repens (L.) Gould				
393	New	ELYMU_REP_REP						Elymus repens (L.) Gould subsp. repens	Elytrigia repens (L.) Desv. ex Nevski; Agropyron repens (L.) P. Beauv.				

No.	old / new	UPOV Code	Hybrid	Parent	Denomination class	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
394	Old	THINO_INT_INT							Elytrigia intermedia (Host) Nevski; Agropyron intermedium (Host) P. Beauv.; Agropyron trichophorum (Link) K. Richt.; Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis; Elymus hispidus (Opiz) Melderis subsp. Hispidus				
394	New	NO CHANGE							Elytrigia intermedia (Host) Nevski; Agropyron intermedium (Host) P. Beauv.; Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis; Elymus hispidus (Opiz) Melderis subsp. Hispidus; Elytrigia intermedia (Host) Nevski subsp. intermedia				
395	Old	IPSEUD							Elytrigia Desv. × Pseudoroegneria (Nevski) Á. Löve				
395	New	NO CHANGE							Elytrigia Desv. × Pseudoroegneria (Nevski) Á. Löve; Pseudoroegneria × Elymus				
396	Old	CLEMA_CHI						Clematis chiisanensis Nakai					
396	New	NO CHANGE						Clematis koreana Kom. var. carunculosa (Gagnep.) Tamura	Clematis chiisanensis Nakai				
397	Old	LOLIU_BOU						Lolium ×boucheanum Kunth	Lolium hybridum Hausskn.				
397	New	NO CHANGE						Lolium hybridum Hausskn.	Lolium ×boucheanum Kunth				
398	Old	SALIX_DAS							Salix xdasyclados Wimm. x Salix viminalis L.				
398	New	NO CHANGE					(GRIN: "I did not find a hybrid binomial. The parentage of Salix ×dasyclados itself is not well known, and some do not even consider it to be a hybrid, while others consider it to include S. viminalis in its parentage. If the latter were true, your hybrid would simply be a backcross to one of the parents, and this would be included under S. ×dasyclados itself. But this interpretation is not firmly established.")		Salix xdasyclados Wimm. x Salix viminalis L.				
399	Old	GUZMA_WLI						Guzmania wittmackii x lingulata					

No.	old / new	UPOV Code	Hybrid	Parent	Denomination class	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
417	Old	EUPAT_FOR			EUPAT								
417	New	NO CHANGE			Class 213								
418	Old	EUPAT_ODO			EUPAT								
418	New	NO CHANGE			Class 213								
419	Old	EUPAT_PUR			EUPAT								
419	New	NO CHANGE			Class 213								
420	Old	AGERT			AGERT								
420	New	NO CHANGE			Class 213								
421	Old	AGERT_ALT			AGERT								
421	New	NO CHANGE			Class 213								
422	Old	AGERT_LIG			AGERT								
422	New	NO CHANGE			Class 213								
423	Old	EUTRO			EUTRO								
423	New	NO CHANGE			Class 213								
424	Old	EUTRO_MAC			EUTRO								
424	New	NO CHANGE			Class 213								
425	Old	EUTRO_MAC_MAC			EUTRO								
425	New	NO CHANGE			Class 213								
426	Old	MONAR_DBR						Monarda didyma x Monarda bradburiana					
426	New	NO CHANGE						Hybrids between Monarda didyma and Monarda bradburiana					
427	Old	POPUL_BAL_TRI					(To align GRIN)	Populus balsamifera L. subsp. trichocarpa (Torr. & A. Gray) Brayshaw	Populus trichocarpa Torr. & A. Gray				
427	New	NO CHANGE						Populus trichocarpa Torr. & A. Gray	Populus balsamifera L. subsp. trichocarpa (Torr. & A. Gray) Brayshaw				
428	Old	SADRA_PSU						Sansevieria parva x Dracaena surculosa					
428	New	NO CHANGE						Hybrids between Sansevieria parva and Dracaena surculosa					
429	Old	PRUNU_FCS						Prunus fruticosa Pall. x P. cerasus L.					
429	New	NO CHANGE						Hybrids between Prunus fruticosa and Prunus cerasus					
429	Old	PRUNU_SPE						Prunus salicina x Prunus persica					
429	New	NO CHANGE						Hybrids between Prunus salicina and Prunus persica					
430	Old	PRUNU_MAV						Prunus mahaleb x Prunus avium					
430	New	NO CHANGE						Prunus xfontanesiana (Spach) C. K. Schneid.					
431	Old	ALHAW						Aloe L. x Haworthia Duval					
431	New	NO CHANGE						xAlworthia G. D. Rowley	Aloe L. x Haworthia Duval				
432	Old	ESCAL_LAE					(To align GRIN)	Escallonia laevis L.					
432	New	NO CHANGE						Escallonia laevis (Vell.) Sleumer					

[Annex II, Part B follows]

ANNEX II, Part B

Part B: New UPOV codes or new information

Date proposed	Proposer	UPOV Code	Hybrid	Parent	Denomination class	Checking TWP	Checking authority	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
			= existing code / name												
8-Apr-2016	QZ	OXALI_VER			OXALI	TWO-O	CA, QZ, IL, JP, NL, NZ, PL, US			Oxalis versicolor L.		peppermint rock oxalis			
11-Apr-2016	QZ	BROMU_CAT_ELA			BROMU	TWA	ALL			Bromus catharticus Vahl var. elatus (E. Desv.) Planchuelo	Bromus stamineus E. Desv.	grazing brome			
11-Apr-2016	QZ	ONONI_ALO			ONONI	TWO-O	QZ, SK			Ononis alopecuroides L.		foxtail restharrow; Salzmänn's restharrow			
11-Apr-2016	QZ	CALLC_BOD			CALLC	TWO-O	CA, JP, QZ			Callicarpa bodinieri H. Lev.					
11-Apr-2016	QZ	ANEMO_HUP_JAP			ANEMO	TWO-O	ALL			Anemone hupehensis (Lemoine) Lemoine var. japonica (Thunb.) Bowles & Stearn		Japanese anemone; Japanese windflower	anémone du Japon	japanische Herbst-Anemone	anémona japonesa
11-Apr-2016	QZ	CHANM_JAP			CHANM	TWO-O	AT, BE, CN, QZ, DE, JP, LV, NL			Chaenomeles japonica (Thunb.) Lindl. ex Spach		flowering-quince; Japanese-quince	cognassier du Japon	japanische Quitte	
22-Apr-2016	PLUTO	SORBU_HYB			SORBU	TWO-O	QZ, DE, HU, JP, RU, GB, US			Sorbus hybrida L.		Swedish servicetree			
26-Apr-2016	PLUTO	BISCU			BISCU	TWO-O	IL	Brassicaceae	Plant / Plant	Biscutella L.					
26-Apr-2016	PLUTO	BISCU_DID			BISCU	TWO-O	IL			Biscutella didyma L.					
26-Apr-2016	PLUTO	ALLIU_PHA			ALLIU	TWO-O	ALL			Allium phaneranthum Boiss. & Hausskn.					
19-May-2016	TG/294/1	SOLAN_PHA		SOLAN_PIM; SOLAN_HAB	CLASS 4.2	TWV	ALL			Solanum pimpinellifolium x Solanum habrochaites					
26-May-2016	QZ	ASTEL_NNI		ASTEL_NER; ASTEL_NIV	ASTEL	TWO-O	QZ, GB, NL			Astelia nervosa x Astelia nivicola					
27-May-2016	PLUTO	ALOCA_BRI			ALOCA	TWO-O	CA, QZ, JP, NL, US			Alocasia brisbanensis (F. M. Bailey) Domin					
27-May-2016	PLUTO	ALOCA_ODO			ALOCA	TWO-O	CA, QZ, JP, NL, US			Alocasia odora (Lodd. et al.) Spach		elephant-ear; taro			
27-May-2016	PLUTO	ALOCA_BOD		ALOCA_BRI; ALOCA_ODO	ALOCA	TWO-O	CA, QZ, JP, NL, US			Alocasia brisbanensis x Alocasia odora					
27-May-2016	PLUTO	JASMI_SAM			JASMI	TWO-O	AU, QZ, JP, NZ, NL, GB, US			Jasminum sambac (L.) Aiton		Arabian jasmine; Sambac jasmine	jasmin d'Arabie	arabischer Jasmin	jazmin de Arabia
10-Jun-2016	PLUTO	ECHEV_PUV			ECHEV	TWO-O	AU, BR, QZ, DE, LT, NL, US			Echeveria pulvinata Rose		chenilleplant; plushplant; rosy hens-and-chicks			
6-Jun-2016	QZ	ACHNA			ACHNA	TWO-O; TWA	CA, QZ, RU	Poaceae	Plant / Plant	Achnatherum P. Beauv.					
6-Jun-2016	QZ	ACHNA_CAL			ACHNA	TWO-O	CA, QZ, RU			Achnatherum calamagrostis (L.) P. Beauv.					
21-Jun-2016	QZ	CURIO			CURIO	TWO-O	QZ, BE	Asteraceae	Plant / Plant	Curio P. V. Heath					
21-Jun-2016	QZ	CURIO_HER			CURIO	TWO-O	QZ, BE			Curio herreanus (Dinter) P. V. Heath	Senecio herreanus Dinter				
24-Jun-2016	CA	CITRU_MLI	CITRU_MLA	CITRU_MED; CITRU_LIM	CITRU	TWF	ALL			Citrus medica x Citrus limon					
24-Jun-2016	CA	CITRU_MLA		CITRU_MLI; CITRU_AUR	CITRU	TWF	ALL			(Citrus medica x Citrus limon) x Citrus aurantiifolia					
27-Jun-2016	QZ	PEPER_RUB			PEPER	TWO-O	QZ, NL, KR, US			Peperomia rubella (Haw.) Hook.					
27-Jun-2016	QZ	PEPER_VER			PEPER	TWO-O	QZ, NL, KR, US			Peperomia verticillata (L.) A. Dietr.	Piper verticillatum L.				
27-Jun-2016	QZ	PEPER_RVE		PEPER_RUB; PEPER_VER	PEPER	TWO-O	QZ, NL, KR, US			Peperomia rubella x Peperomia verticillata	Peperomia rubella x Piper verticillatum				
28-Jun-2016	QZ	TRFOL_IST			CLASS 204	TWA	ALL			Trifolium isthmocarpum Brot.					
30-Jun-2016	TG(TWA)	THINO			THINO	TWA	RU, US	Poaceae	Plant / Plant	Thinopyrum A. Love					
30-Jun-2016	TG(TWA)	THINO_INT			THINO	TWA	RU, US			Thinopyrum intermedium (Host) Barkworth & D. R. Dewey					
30-Jun-2016	TG(TWA)	ELYMU_REP			ELYMU	TWA	RU, US			Elymus repens (L.) Gould					

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Date proposed	Proposer	UPOV Code	Hybrid	Parent	Denomination class	Checking TWP	Checking authority	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
1-Jul-2016	PLUTO	THINO_INT_BAR			THINO	TWA	RU, US			Thinopyrum intermedium (Host) Barkworth & D. R. Dewey subsp. barbulatum (Schur) Barkworth & D. R. Dewey	Agropyron trichophorum (Link) K. Richt.	hairy wheatgrass; pubescent wheatgrass			
1-Jul-2016	PLUTO	PSEUD_RSP		ELYMU_REP; PSDRG_SPI	PSEUD	TWA	US, RU			Elymus repens x Pseudoroegneria spicata					
5-Jul-2016	PLUTO	CRASS_CAP			CRASS	TWO-O	QZ, DK, DE, JP, NL			Crassula capitella Thunb.					
5-Jul-2016	PLUTO	LOBEL_PED			LOBEL	TWO-O	ALL			Lobelia pedunculata R. Br.		matted pratia			
5-Jul-2016	PLUTO	BITUM			BITUM	TWO-O; TWA	AU	Fabaceae	Plant / Plant	Bituminaria Heist. ex Fabr.					
5-Jul-2016	PLUTO	BURSA			BURSA	TWO-O; TWA	AU	Pittosporaceae	Plant / Plant	Bursaria Cav.					
5-Jul-2016	PLUTO	BURSA_SPI			BURSA	TWO-O; TWA	AU			Bursaria spinosa Cav.		Australian blackthorn; mock orange; prickly-box			
5-Jul-2016	PLUTO	BITUM_BIT			BITUM	TWO-O; TWA	AU			Bituminaria bituminosa (L.) C. H. Stirt.		Arabian scurf-pea			
8-Jul-2016	QZ	CHLRP_SAU			CHLRP	TWO-O	QZ			Chlorophytum saundersiae (Baker) Nordal	Anthericum saundersiae Baker				
26-Jul-2016	QZ	SALVI_BSP		SALVI_BUC; SALVI_SPL	SALVI	TWO-O	ALL			Salvia buchananii x Salvia splendens					
26-Jul-2016	QZ	ECHEV_GPU		ECHEV_GIG; ECHEV_PUL	ECHEV	TWO-O	BR, QZ, DE, LT, NL			Echeveria gigantea X Echeveria pulidonis					
6-Aug-2016	PLUTO	SUAED_EDU			SUAED	TWV	QZ, RU			Suaeda edulis Flores Oliv. & Noguez					romerito
6-Aug-2016	PLUTO	SUAED_MEX			SUAED	TWO-O	QZ, RU			Suaeda mexicana (Standl.) Standl.		Mexican seepweed			
6-Aug-2016	PLUTO	VITEX_NEG			VITEX	TWO-O	QZ, DE, JP			Vitex negundo L.		Chinese chastetree; five-leaf chastetree			
6-Aug-2016	PLUTO	ZIZIA			ZIZIA	TWO-O	US	Apiaceae	Plant / Plant	Zizia W. D. J. Koch					
6-Aug-2016	PLUTO	ZIZIA_APT			ZIZIA	TWO-O	US			Zizia aptera (A. Gray) Fernald					
25-Jul-2016	QZ(C/50/5)	ANDRM_POL_LAT			ANDRM	TWO-O	QZ			Andromeda polifolia L. var. latifolia Aiton	Andromeda glaucophylla Link				
25-Jul-2016	QZ(C/50/5)	GUZMA_BLA			GUZMA	TWO-O	QZ			Guzmania blassii Rauh					
25-Jul-2016	QZ(C/50/5)	GUTIL_BLE		GUZMA_BLA; TILL	GUTIL	TWO-O	QZ			Guzmania blassii x Tillandsia leiboldiana					
25-Jul-2016	QZ(C/50/5)	KNIPH_PAU			KNIPH	TWO-O	ALL			Kniphofia pauciflora Baker					
25-Jul-2016	QZ(C/50/5)	VITIS_AES			VITIS	TWO-O; TWF	ALL			Vitis aestivalis Michx.		Arkansas grape; bunch grape; chicken grape	vigne d'été	Sommerrebe	uva trepadora
25-Jul-2016	QZ(C/50/5)	VITIS_ARZ			VITIS	TWO-O	ALL			Vitis arizonica Engelm.		canyon grape			
25-Jul-2016	QZ(C/50/5)	VITIS_CIN_BAI			VITIS	TWO-O	ALL			Vitis cinerea (Engelm.) Millardet var. baileyana (Munson) Comeaux	Vitis baileyana Munson				
25-Jul-2016	QZ(C/50/5)	VITIS_BET			VITIS	TWO-O	ALL			Vitis betulifolia Diels & Gilg					
25-Jul-2016	QZ(C/50/5)	VITIS_MON			VITIS	TWF	ALL			Vitis monticola Buckley		mountain grape; sweet mountain grape			
25-Jul-2016	QZ(C/50/5)	VITIS_VUL			VITIS	TWF	ALL			Vitis vulpina L.		frost grape; winter grape		Winterrebe	
25-Jul-2016	QZ(C/50/5)	VITIS_NOV			VITIS	TWF	ALL			Vitis x novae-angliae Fernald					
26-Aug-2016	BR(C/50/6)	PINUS_TEC			PINUS	TWO-T	CN, ZA, BR			Pinus tecunumanii Eguluz & J. P. Perry					
26-Aug-2016	BR(C/50/6)	PINUS_GRE			PINUS	TWO-T	CN, ZA, BR			Pinus greggii Engelm. ex Parl.					
31-Aug-2016	NL	BUGLO			BUGLO	TWO-O	NL	Boraginaceae	Plant / Plant	Buglossoides Moench					
31-Aug-2016	NL	LEONT_NIV			LEONT	TWO-O	NL, DE, QZ			Leontopodium nivale (Ten.) Hand.-Mazz.		edelweiss	étoile des Alpes; edelweiss; edelweiss des Alpes	Alpen-Edelweiss; Edelweiß	
26-Aug-2016	BR(C/50/6)	PINUS_MAX			PINUS	TWO-T	CN, ZA, BR			Pinus maximinoi H. E. Moore					ocote; pino canis

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2-Sep-2016	PLUTO	LONIC_CAE_EMP			LONIC	TWF	ALL			Lonicera caerulea L. var. emphylocalyx (Maxim.) Nakai	Lonicera emphylocalyx Maxim.				
30-Aug-2016	CN (C/50/6)	MORCH			MORCH	TWV	CN	Morchellaceae	Plant / Fungus	Morchella Dill. ex Pers.					
30-Aug-2016	CN (C/50/6)	AURIC_HEI			Class 211	TWV	CN			Auricularia heimuer F.Wu, B.K. Cui & Y.C. Dai					
30-Aug-2016	CN (C/50/6)	REYNO			REYNO	TWA	CN	Polygonaceae	Plant / Plant	Reynoutria Houtt.					
30-Aug-2016	CN (C/50/6)	REYNO_MUL			REYNO	TWA	CN			Reynoutria multiflora (Thunb.) Moldenke	Fallopia multiflora (Thunb.) Haraldson	Chinese fleecflower; Chinese knotweed		chinesischer Flügelknöterich	
30-Aug-2016	CN (C/50/6)	ERIGE_BRE			ERIGE	TWO-O	CN, AU, JP, NL, ZA, US			Erigeron breviscapus (Vaniot) Hand.-Mazz.					
6-Sep-2016	PLUTO	BORON_PUL			BORON	TWO-O	AU			Boronia pulchella Turcz.					
6-Sep-2016	PLUTO	BORON_HPU			BORON	TWO-O	AU			Boronia heterophylla x Boronia pulchella					
6-Sep-2016	PLUTO	LEPDO_GLA			LEPDO	TWO-O	AU			Lepidosperma gladiatum		coast sword sedge			
9-Sep-2016	PLUTO	ALOCA_REG			ALOCA	TWO-O	CA, QZ, NL, JP, US			Alocasia reginula A. Hay					
9-Sep-2016	PLUTO	ALOCA_ORE		ALOCA_ODO; ALOCA_REG	ALOCA	TWO-O	CA, QZ, NL, JP, US			Alocasia odora x Alocasia reginula					
12-Sep-2016	QZ	LIMON_SSN		LIMON_SNS; LIMON_SIN	CLASS 208	TWO-O	ALL			Limonium sinense x Limonium sinuatum					
9-Sep-2016	PLUTO	SEORO		SEDUM; OROST	SEORO	TWO-O	AU	Crassulaceae	Plant / Plant	Sedum x Orostachys					
19-Sep-2016	QZ	EXACU_TRI			EXACU	TWO-O	QZ			Exacum trinervium (L.) Druce					
19-Sep-2016	QZ	POPUL_SIM			POPUL	TWO-O; TWO-T	ALL			Populus simonii Carriere		Simon poplar	peuplier de Simon	Simons Pappel	
19-Sep-2016	QZ	TRFOL_RUB			CLASS 204	TWO-O	ALL			Trifolium rubens L.					
19-Sep-2016	QZ	POPUL_XIA			POPUL	TWO-O; TWO-T	ALL			Populus xxiaohei T. S. Hwang & Y. Liang	Populus nigra X Populus simonii				
19-Sep-2016	QZ	CAPSI_ACH		CAPSI_ANN; CAPSI_CHI	CAPSI	TWV	ALL			Capsicum annum X Capsicum chinense					
7-Oct-2016	PLUTO	QUERC_HEM			QUERC	TWO-T	BE, CN, CZ, DE, LT, NL, ES			Quercus hemisphaerica W. Bartram ex Willd.		Darlington oak; Laurel oak			
8-Oct-2016	PLUTO	ARNIC_CHA			ARNIC	TWO-O	RU			Arnica chamissonis Less.	Arnica foliosa Nutt.	Chamisso arnica; leafy arnica; leafy leopardsbane	arnica de Chamisso		
11-Oct-2016	PLUTO	MORUS_ROT			MORUS	TWF	AZ, CN, TR, QZ			Morus rotundiloba Koidz.		Thai mulberry			
11-Oct-2016	PLUTO	LEUCO			LEUCO	TWO-O	QZ	Asteraceae	Plant / Plant	Leucophyta R. Br.					
11-Oct-2016	PLUTO	LEUCO_BRO			LEUCO	TWO-O	QZ			Leucophyta brownii Cass.	Calocephalus brownii (Cass.) F. Muell.				
11-Oct-2016	PLUTO	LAVAN_HET			LAVAN	TWO-O	ALL			Lavandula xheterophylla Viv.					
11-Oct-2016	PLUTO	CRASS_NUD			CRASS	TWO-O	QZ, DK, DE, JP, NL			Crassula nudicaulis L.					
11-Oct-2016	PLUTO	AEONI_DEC			AEONI	TWO-O	JP			Aeonium decorum Webb ex Bolle					
7-Oct-2016	PLUTO	CRASS_RUB			CRASS	TWO-O	QZ, JP, NL, DK, DE			Crassula rubricaulis Eckl. & Zeyh.					
7-Oct-2016	PLUTO	LAVAN_PED_LUS			LAVAN	TWO-O	ALL			Lavandula pedunculata (Mill.) Cav. subsp. lusitanica (Chaytor) Franco		narrow-leaf Spanish lavender			
11-Oct-2016	QZ	ECHEV_GIL			ECHEV	TWO-O	AU, BR, QZ,			Echeveria xgilva E. Walther	Echeveria agavoides X Echeveria elegans				
11-Oct-2016	QZ	MYSTS_PAR			MYSTS	TWO-O	QZ			Myosotis xparviflora	Myosotis arvensis X Myosotis sylvatica				
28-Oct-2016	PLUTO	PHLOX_CAR			PHLOX	TWO-O	ALL			Phlox carolina L.		thick-leaf phlox			
28-Oct-2016	PLUTO	PHLOX_CMA		PHLOX_CAR; PHLOX_MAC	PHLOX	TWO-O	ALL			Phlox carolina X Phlox maculata					
28-Oct-2016	PLUTO	CITRU_MRE		CITRU_MAX; CITRU_RET	CITRU	TWF	ALL			Citrus maxima X Citrus reticulata					
3-Nov-2016	PLUTO	GREVI_LAU			GREVI	TWO-O	AU, QZ, IT, NL, NZ, ZA			Grevillea laurifolia Sieber ex Spreng.					
4-Nov-2016	CN	ACIDO			ACIDO	TWO-T	CN	Poaceae	Plant / Plant	Acidosasa C. D. Chu & C. S. Chao ex Keng f.					

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4-Nov-2016	CN	AKEBI			AKEBI	TWO-O	CN	Lardizabalaceae	Plant / Plant	Akebia Decne.					
4-Nov-2016	CN	AMMPP			AMMOP	TWO-O	CN	Fabaceae	Plant / Plant	Ammopiptanthus S. H. Cheng					
4-Nov-2016	CN	BOMBA			BOMBA	TWO-O; TWO-T	CN	Malvaceae	Plant / Plant	Bombax L.					
4-Nov-2016	CN	CEPHA			CEPHA	TWO-O	CN	Taxaceae	Plant / Plant	Cephalotaxus Siebold & Zucc. ex Endl.					
4-Nov-2016	CN	CHIMN			CHIMN	TWA; TWV	CN	Poaceae	Plant / Plant	Chimonobambusa Makino					
4-Nov-2016	CN	HALOX			HALOX	TWA	CN	Chenopodiaceae	Plant / Plant	Haloxylon Bunge					
4-Nov-2016	CN	IDESI			IDESI	TWO-O	CN	Salicaceae	Plant / Plant	Idesia Maxim.					
4-Nov-2016	CN	INDOS			INDOS	TWV	CN	Poaceae	Plant / Plant	Indosasa McClure					
4-Nov-2016	CN	KATEL			KATEL	TWO-O	CN	Poaceae	Plant / Plant	Keteleeria Carriere					
4-Nov-2016	CN	LINDR			LINDR	TWA; TWO-O; TWO-T	CN	Lauraceae	Plant / Plant	Lindera Thunb.					
4-Nov-2016	CN	LITSE			LITSE	TWA; TWO-T	CN	Lauraceae	Plant / Plant	Litsea Lam.					
4-Nov-2016	CN	NITRA			NITRA	TWF; TWO-O	CN	Nitrariaceae	Plant / Plant	Nitraria L.					
4-Nov-2016	CN	ORMOS			ORMOS	TWO-O; TWO-T	CN	Fabaceae	Plant / Plant	Ormosia Jacks.					
4-Nov-2016	CN	PHELD			PHELD	TWO-O; TWO-T	CN	Rutaceae	Plant / Plant	Phellodendron Rupr.					
4-Nov-2016	CN	PHOEB			PHOEB	TWO-T	CN	Lauraceae	Plant / Plant	Phoebe Nees					
4-Nov-2016	CN	PLATC			PLATC	TWO-O	CN	Juglandaceae	Plant / Plant	Platycarya Siebold & Zucc.					
4-Nov-2016	CN	PLEIO			PLEIO	TWO-O	CN	Poaceae	Plant / Plant	Pleiolabium Nakai					
4-Nov-2016	CN	PTERC			PTERC	TWO-O	CN	Juglandaceae	Plant / Plant	Pterocarya Kunth					
4-Nov-2016	CN	PTRCT			PTRCT	TWO-O; TWO-T	CN	Cannabaceae	Plant / Plant	Pteroceltis Maxim.					
4-Nov-2016	CN	SASSA_TZU			SASSA	TWO-T	CN			Sassafras tzumu (Hemsl.) Hemsl.					
4-Nov-2016	CN	SCHIM			SCHIM	TWO-T	CN	Theaceae	Plant / Plant	Schima Reinw. ex Blume					
4-Nov-2016	CN	SINOJ			SINOJ	TWO-O	CN	Styracaceae	Plant / Plant	Sinojackia Hu					
4-Nov-2016	CN	SYMPL			SYMPL	TWO-O	CN	Symplocaceae	Plant / Plant	Symplocos Jacq.					
4-Nov-2016	CN	TAIWA			TAIWA	TWO-T	CN	Cupressaceae	Plant / Plant	Taiwania Hayata					
4-Nov-2016	CN	TELOS			TELOS	TWO-O	CN	Apocynaceae	Plant / Plant	Telosma Coville					
4-Nov-2016	CN	TETRA			TETRA	TWA; TWO-O	CN	Rutaceae	Plant / Plant	Tetradium Lour.					
4-Nov-2016	CN	TORRE			TORRE	TWO-O	CN	Taxaceae	Plant / Plant	Torreya Arn.					
4-Nov-2016	CN	CALLG_MON			CALLG	TWO-O	CN, RU			Calligonum mongolicum Turcz.					
10-Nov-2016	PLUTO	HYMNC			HYMNC	TWA	MX	Poaceae	Plant / Plant	Hymenachne P. Beauv.					
10-Nov-2016	PLUTO	HYMNC_AMP			HYMNC	TWA	MX			Hymenachne amplexicaulis (Rudge) Nees		olive hymenachne; West Indian marsh grass			camalote
11-Nov-2016	PLUTO	PHARU			PHARU	TWO-O	MX	Poaceae	Plant / Plant	Pharus P. Browne					
12-Dec-2016	QZ	FICUS_DEL			FICUS	TWO-O	ZA, CN, QZ, NL, IT, US, VN, MA			Ficus deltoidea Jack		mistletoe fig			
12-Dec-2016	QZ	WOLFF_GLO			WOLFF	TWA; TWV	QZ, IL			Wolffia globosa (Roxb.) Hartog & Plas					
12-Dec-2016	QZ	ALOEE_RAU			ALOEE	TWO-O	QZ			Aloe rauhii Reynolds					
13-Dec-2016	QZ	ALICE			ALICE	TWO-O	QZ	Orchidaceae	Plant / Plant	xAlicea hort.					
13-Dec-2016	QZ	SCROP			SCROP	TWO-O	QZ	Scrophulariaceae	Plant / Plant	Scrophularia L.					
13-Dec-2016	QZ	SCROP_MAC			SCROP	TWO-O	QZ			Scrophularia macrantha Greene ex Stiefelh.					
18-Dec-2016	IL(TC/53/4)	CATHA_EDU			CATHA	TWO-O	IL			Catha edulis (Vahl) Forssk. ex Endl.		Arabian-tea; khat; miraa		arabischer Tee; Katstrauch; Khat	té de Arabia
5-Jan-2017	QZ	PAULO_CAT			PAULO	TWO-O	AU, QZ, HU, US			Paulownia catalpifolia T. Gong ex D. Y. Hong					
5-Jan-2017	QZ	PAULO_CFO		PAULO_CAT; PAULO_FOR	PAULO	TWO-O	AU, QZ, HU, US			Paulownia catalpifolia X Paulownia fortunei					
12-Jan-2017	PLUTO	BEGON_BOW			BEGON	TWO-O	ALL			Begonia bowerae Ziesenh.					
12-Jan-2017	PLUTO	ONCID_ALT			ONCID	TWO-O	ALL			Oncidium allissimum (Jacq.) Sw.					

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Date proposed	Proposer	UPOV Code	Hybrid	Parent	Denomination class	Checking TWP	Checking authority	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
12-Jan-2017	PLUTO	ACHRC			ACHRC	TWA	BR	Asteraceae	Plant / Plant	Achyrocline (Less.) DC.					
12-Jan-2017	PLUTO	BACCH_GEN			BACCH	TWO-O	BR			Baccharis genistelloides (Lam.) Pers.					
12-Jan-2017	PLUTO	BACCH_GEN_CRI			BACCH	TWO-O	BR			Baccharis genistelloides (Lam.) Pers. subsp. crispa (Spreng.) Joch. Mull.	Baccharis trimera (Less.) DC.				
13-Jan-2017	QZ	PACHY_HOV		PACHY_HOO; PACHY_OVI	PACHY	TWO-O	AU, QZ, DE, NL, US			Pachyphytum hookeri x Pachyphytum oviferum					
12-Jan-2017	PLUTO	ACHRC_SAT			ACHRC	TWA	BR			Achyrocline saturoioides (Lam.) DC.					
12-Jan-2017	PLUTO	AECHM_DIC			AECHM	TWO-O	BE, QZ, JP, NL			Aechmea dichlamydea					
12-Jan-2017	PLUTO	AECHM_FEN			AECHM	TWO-O	BE, QZ, JP, NL			Aechmea fendleri Andre ex Mez					
12-Jan-2017	PLUTO	AECHM_DFE		AECHM_DIC; AECHM_FEN	AECHM	TWO-O	BE, QZ, JP, NL			Aechmea dichlamydea x Aechmea fendleri					
12-Jan-2017	PLUTO	AECHM_DIC_TRI			AECHM	TWO-O	BE, QZ, JP, NL			Aechmea dichlamydea Baker var. trinitensis L. B. Sm.					
12-Jan-2017	PLUTO	AECHM_EUR			AECHM	TWO-O	BE, QZ, JP, NL			Aechmea eurycorymbus Harms					
12-Jan-2017	PLUTO	AECHM_TES			AECHM	TWO-O	BE, QZ, JP, NL			Aechmea tessmannii Harms					
12-Jan-2017	PLUTO	AECHM_CTE		AECHM_CHA; AECHM_TES	AECHM	TWO-O	BE, QZ, JP, NL			Aechmea chantinii x Aechmea tessmannii					
12-Jan-2017	PLUTO	AECHM_ECT		AECHM_EUR; AE	AECHM	TWO-O	BE, QZ, JP, NL			Aechmea eurycorymbus x (Aechmea chantinii x Aechmea tessmannii)					
12-Jan-2017	PLUTO	CANNB_SIN		CANNB_SAT_SAT	CANNB	TWA	US			Cannabis sativa ssp. sativa x Cannabis sativa subsp. indica					
12-Jan-2017	PLUTO	HSSAT		HSPRZ; SATUR	HESAT	TWO-O	ALL	Lamiaceae	Plant / Plant	Hesperozygis x Satureja					
12-Jan-2017	PLUTO	PLYSP			PLYSP	TWO-O	US	Theaceae	Plant / Plant	Polyspora Sweet ex G. Don					
12-Jan-2017	PLUTO	PLYSP_LON			PLYSP	TWO-O	US			Polyspora longicarpa (Hung T. Chang) C. X. Ye ex B. M. Barthol. & T. L. Ming					
12-Jan-2017	PLUTO	TILLA_PRE			TILLA	TWO-O	BE, QZ, JP, NL			Tillandsia pretiosa Mez					
12-Jan-2017	PLUTO	TILLA_CPR		TILLA_CYA; TILLA_PRE	TILLA	TWO-O	BE, QZ, JP, NL			Tillandsia cyanea x Tillandsia pretiosa					
12-Jan-2017	QZ	CALEN_OSU		CALEN_OFF; CALEN_SUF	CALEN	TWO-O	QZ			Calendula officinalis x Calendula suffruticosa					
17-Jan-2017	JP(TC/53/4)	PERSI_CAP			PERSI	TWO-O	JP			Persicaria capitata (Buch.- Ham. ex D. Don) H. Gross		Japanese knotweed; pink-head knotweed; pink-head persicaria	renouée capitée	Kopf-Knöterich	
30-Jan-2017	NL(TC/53/4)	AECHM_COE			AECHM	TWO-O	BE, QZ, JP, NL			Aechmea coelestis (K. Koch) E. Morren					
30-Jan-2017	NL(TC/53/4)	FRITI_EDU			FRITI	TWO-O	BE, NL, TR			Fritillaria eduardii Regel ex Losinsk.					
30-Jan-2017	NL(TC/53/4)	IXORA_COC			IXORA	TWO-O	NL			Ixora coccinea L.		flame-of-the-woods; jungle-geranium			
30-Jan-2017	QZ(TC/53/4)	SALIX_SMI			SALIX	TWO-O	QZ, PL			Salix smithiana Willd.	Salix acuminata auct	broadleaf osier; silky- leaf osier			
30-Jan-2017	QZ(TC/53/4)	PRUNU_ROS			PRUNU	TWF	QZ			Prunus xrossica Eremin	Prunus cerasifera x Prunus salicina				
30-Jan-2017	QZ(TC/53/4)	PRUNU_SIM			PRUNU	TWO-O	QZ			Prunus xsimmleri Palez.	Prunus cerasifera x Prunus spinosa				
1-Feb-2017	QZ	POPUL_MBA		POPUL_MAX; POPUL_BAL_TRI	POPUL	TWO-O	ALL			Populus maximowiczii x Populus trichocarpa					
1-Feb-2017	QZ	SEMPE_RUP			SEMPE	TWO-O	QZ			Sempervivum rupicola A. Kern.					
5-Feb-2017	PLUTO	ILEXX_INT			ILEXX	TWO-O	ALL			Ilex integra Thunb.					
5-Feb-2017	PLUTO	ILEXX_LAT			ILEXX	TWO-O	ALL			Ilex latifolia Thunb.		tarajo holly		Tarajo-Stechpalme	
5-Feb-2017	PLUTO	ILEXX_OWA			ILEXX	TWO-O	ALL			Ilex owariensis Hatus. & M. Kobay.					

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Date proposed	Proposer	UPOV Code	Hybrid	Parent	Denomination class	Checking TWP	Checking authority	Family	Category	Principal botanical name	Other botanical names	English	French	German	Spanish
5-Feb-2017	PLUTO	DGTL5_VAL			DGTL5	TWO-O	AU, CA, QZ, DE, JP, GB, US			Digitalis xvainii J. D. Arm.					
14-Feb-2017	TG(Blue ber	VACCI_ELL			VACCI	TWF	ALL			Vaccinium elliottii Chapm.		mayberry			
17-Feb-2017	PLUTO	EURYA_JAP			EURYA	TWO-O	JP, QZ			Eurya japonica Thunb.					
17-Feb-2017	PLUTO	HAWOR_CYM			HAWOR	TWO-O	Qz, JP, NL			Haworthia cymbiformis (Haw.) Duval					
17-Feb-2017	PLUTO	HAWOR_CYM_OBT			HAWOR	TWO-O	Qz, JP, NL			Haworthia cymbiformis (Haw.) Duval var. obtusa (Haw.) Baker					
17-Feb-2017	PLUTO	KALAN_SPA			KALAN	TWO-O	ALL			Kalanchoe spathulata DC.		flame kalanchoe			
17-Feb-2017	PLUTO	VIBUR_PHL			VIBUR	TWO-O	BE, CN, QZ, FR, IL, NL, RU			Viburnum phlebotrimum Siebold & Zucc.					
27-Feb-2017	CN	PHELD_AMU			PHELD	TWO-O; TWO-T	CN			Phellodendron amurense Rupr.		Amur corktree; Chinese corktree; phellodendron			
1-Mar-2017	QZ(TC/53/4)	ALHAW_VLI		ALOEE_VER; HAWOR_LIM	ALHAW	TWO-O	QZ, JP, NL, ZA			Aloe vera x Haworthia limifolia					
17-Feb-2017	PLUTO	KALAN_BSP		KALAN_BLO; KAL	KALAN	TWO-O	ALL			Kalanchoe blossfeldiana x Kalanchoe spathulata					
17-Feb-2017	PLUTO	BRDIP		BRASS; DIPLO	BRDIP	TWO-O; TWV	ALL	Brassicaceae	Plant / Plant	Brassica x Diplotaxis					
17-Feb-2017	PLUTO	BRDIP_OTE		BRASS_OLE; DIPLO_TEN	BRDIP	TWV	ALL			Brassica oleracea x Diplotaxis tenuifolia					
17-Feb-2017	PLUTO	BRDIP_RTE		BRASS_RAP; DIPLO_TEN	BRDIP	TWV	ALL			Brassica rapa x Diplotaxis tenuifolia					
17-Feb-2017	PLUTO	SEEMA_NEM			SEEMA	TWO-O	QZ, DE, JP			Seemannia nematanthodes (Kuntze) K. Schum.					
17-Feb-2017	PLUTO	SEEMA_NSY		SEEMA_NEM; SEEMA_SYL	SEEMA	TWO-O	QZ, DE, JP			Seemannia nematanthodes x Seemannia sylvatica					
8-Mar-2017	PLUTO	VEGLA		VERBE; GLAND	Class 212	TWO-O	ALL	Verbenaceae	Plant / Plant	Verbena x Glandularia					
8-Mar-2017	PLUTO	VEGLA_BHY		VERBE_BON; GLAND_HYB	Class 212	TWO-O	ALL			Verbena bonariensis x Glandularia hybrida					
16-Mar-2017	PLUTO	CERCS_SIL			CERCS	TWO-O	CN			Cercis siliquastrum L.		Judastree; lovetree			
16-Mar-2017	PLUTO	DESMA_PER			DESMA	TWA	AU			Desmanthus pernambucanus (L.) Thell.					
16-Mar-2017	PLUTO	EREMP_MAC			EREMP	TWO-O	QZ, JP, AU			Eremophila maculata (Ker Gawl.) F. Muell.		fuchsiabush; spotted emubush; spotted-fuchsia			
16-Mar-2017	PLUTO	MAIRE			MAIRE	TWO-O	AU	Chenopodiaceae	Plant / Plant	Maireana Moq.					
16-Mar-2017	PLUTO	MAIRE_SED			MAIRE	TWO-O	AU			Maireana sedifolia (F. Muell.) Paul G. Wilson		bluebush; dense bluebush; hoary bluebush			
16-Mar-2017	PLUTO	MALUS_YUN			MALUS	TWO-O	ALL			Malus yunnanensis (Franch.) C. K. Schneid.					
16-Mar-2017	PLUTO	EREMP_GMA		EREMP_GLA; EREMP_MAC	EREMP	TWO-O	QZ, JP, AU			Eremophila glabra x Eremophila maculata					
16-Mar-2017	PLUTO	TRFOL_RAM		TRFOL_REP; TRFOL_AMB	CLASS 204	TWA	ALL			Trifolium repens x Trifolium ambiguum					
14-Mar-2017	OECD	SENEG_GAL			SENEG	TWO-O; TWO-T	ALL			Senegalia galpinii (Burrill Davy) Seigler & Ebinger	Acacia galpinii Burrill Davy	monkeythorn			
14-Mar-2017	OECD	SENEG			SENEG	TWO-O; TWO-T	ALL	Fabaceae	Plant / Plant	Senegalia Raf.					
14-Mar-2017	OECD	ACACI_HOL			ACACI	TWO-O	AU, QZ, IT, NL, NZ, US			Acacia holosericea A. Cunn. ex G. Don		candelabra wattle; silky wattle; silverleaf wattle			
14-Mar-2017	OECD	ACACI_DEA			ACACI	TWO-O	AU, QZ, IT, NL, NZ, US			Acacia dealbata Link		mimosa; silver wattle	acacia blanc	Mimose; Silberakazie; weißliche Akazie	
29-Mar-2017	QZ	ALOCA_ZEB			ALOCA	TWO-O	QZ, JP, NL, NZ			Alocasia zebrina Schott ex Van Houtte					
29-Mar-2017	QZ	NEPEN_MVE	NEPEN_MVE	NEPEN_MIR; NEPEN_VEN	NEPEN	TWO-O	QZ, NL			Nepenthes mira Jebb & Cheek x N. ventricosa Blanco					

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ANNEX II, Part C

Part C: Crop type(s) of UPOV codes used in the PLUTO database for the first time

Note: synonyms are written in different rows to search by synonyms and then UPOV codes may appear more than once

Date proposed	upov_code	botanical name(s)	name_english	name_french	name_german	name_spanish	category	Crop type
1-Apr-2016	POPUL_NIG	Populus nigra L.	black poplar	peuplier noir	Schwarz-Pappel		Plant	ornamental, forest tree
14-Apr-2016	BROMU_CAT_ELA	Bromus catharticus Vahl var. elatus (E. Desv.) Planchuelo	grazing brome				Plant	agriculture
14-Apr-2016	BROMU_CAT_ELA	Bromus stamineus E. Desv.	grazing brome				Plant	agriculture
27-Apr-2016	ANEMO_HUP_JAP	Anemone hupehensis (Lemoine) Lemoine var. japonica (Thunb.) Bowles & Stearn	Japanese anemone	anemone du Japon	japanische Herbst- Anemone	anemona japonesa	Plant	ornamental
27-Apr-2016	CALLC_BOD	Callicarpa bodinieri H. Lev.					Plant	ornamental
27-Apr-2016	CHANM_JAP	Chaenomeles japonica (Thunb.) Lindl. ex Spach	flowering-quince	cognassier du Japon	japanische Quitte		Plant	ornamental
27-Apr-2016	FICUS_BUS	Ficus bussei Warb. ex Mildbr. & Burret					Plant	ornamental
27-Apr-2016	SALIX_MVI	Salix miyabeana x Salix viminalis					Plant	ornamental
28-Apr-2016	PISTA_INT	Pistacia integerrima J. L. Stewart	zebrawood				Plant	fruit
28-Apr-2016	PISTA_ATL	Pistacia atlantica Desf.					Plant	fruit
7-May-2016	AMARY_BEL	Amaryllis belladonna L.	belladonna-lily				Plant	ornamental
7-May-2016	AVERR_CAR	Averrhoa carambola L.	Carambola	Carambole	Karambola	Carambolo	Plant	fruit
7-May-2016	ALLIU_PHA	Allium phanerantherum Boiss. & Hausskn.					Plant	ornamental
7-May-2016	BISCU_DID	Biscutella didyma L.					Plant	ornamental
7-May-2016	CESTR	Cestrum					Plant	ornamental
7-May-2016	DUBOI_LEI	Duboisia leichhardtii (F. Muell.) F. Muell.					Plant	agriculture
7-May-2016	EUSTO_RUS	Eustoma russellianum (Hook.) G. Don	Prairie Gentian				Plant	ornamental
7-May-2016	EQUIS_HYE	Equisetum hyemale L.	Common Scouring- rush	Prele d'hiver			Plant	ornamental
7-May-2016	FERUL_TIN	Ferula tingitana L.	downy ash		rodask		Plant	ornamental
7-May-2016	LANDO_PUN	Landoltia punctata (G. Mey.) Les & D. J. Crawford					Plant	agriculture
7-May-2016	LANDO_PUN	Spirodela oligorrhiza (Kurz) Hegelm.					Plant	agriculture
7-May-2016	PIPTA_HOL	Piptatherum holciforme (M. Bieb.) Roem. & Schult.					Plant	agriculture
7-May-2016	PIPTA_HOL	Oryzopsis holciformis (M. Bieb.) Hack.					Plant	agriculture
7-May-2016	ORIGA_SYR	Origanum syriacum	Bible hyssop				Plant	vegetable
7-May-2016	ORIGA_SYR	Majorana syriaca L. Feinbr	Bible hyssop				Plant	vegetable
7-May-2016	PHYLC	Phyllis L.					Plant	ornamental
7-May-2016	SORBU_HYB	Sorbus hybrida L.	Swedish servicetree				Plant	ornamental
7-May-2016	SETAR_PAL	Setaria palmifolia (Koen.) Stapf					Plant	agriculture, ornamental, vegetable
7-May-2016	SPHIP	Sprekelia x hippeastrum					Plant	ornamental

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Date proposed	upov_code	botanical name(s)	name_english	name_french	name_german	name_spanish	category	Crop type
7-May-2016	TRFOL_BER	Trifolium berytheum Boiss. & Blanche					Plant	agriculture
7-May-2016	WOLFF_ARR	Wolffia arrhiza (L.) Horkel ex Wimm.					Plant	vegetable, ornamental
21-Jun-2016	ASTEL_NNI	Astelia nervosa x Astelia nivicola					Plant	ornamental
21-Jun-2016	GASAL_BEG	Gasteraloe beguinii (Radl) Guillaumin					Plant	ornamental
21-Jun-2016	HEUCH_SAN	Heuchera sanguinea Engelm.					Plant	ornamental
21-Jun-2016	OXALI_VER	Oxalis versicolor L.	peppermint rock oxalis				Plant	ornamental
21-Jun-2016	ONONI_ALO	Ononis alopecuroides L.	foxtail restharrow				Plant	ornamental
21-Jun-2016	ORIGA_RSC	Origanum rotundifolium x Origanum scabrum					Plant	ornamental
22-Jun-2016	ECHEV_PUV	Echeveria pulvinata Rose	chenilleplant				Plant	ornamental
1-Jul-2016	THINO_INT_INT	Thinopyrum intermedium (Host) Barkworth & D. R. Dewey subsp. intermedium	intermediate wheatgrass	chiendent intermediaire	graugrune Quecke	laston azul	Plant	agriculture
1-Jul-2016	THINO_INT_INT	Agropyron intermedium (Host) P. Beauv.	intermediate wheatgrass	chiendent intermediaire	graugrune Quecke	laston azul	Plant	agriculture
1-Jul-2016	THINO_INT_INT	Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis	intermediate wheatgrass	chiendent intermediaire	graugrune Quecke	laston azul	Plant	agriculture
1-Jul-2016	THINO_INT_INT	Elymus hispidus (Opiz) Melderis subsp. Hispidus	intermediate wheatgrass	chiendent intermediaire	graugrune Quecke	laston azul	Plant	agriculture
1-Jul-2016	THINO_INT_INT	Elytrigia intermedia (Host) Nevski	intermediate wheatgrass	chiendent intermediaire	graugrune Quecke	laston azul	Plant	agriculture
1-Jul-2016	THINO_INT_INT	Elytrigia intermedia (Host) Nevski subsp. intermedia	intermediate wheatgrass	chiendent intermediaire	graugrune Quecke	laston azul	Plant	agriculture
1-Jul-2016	THINO_ELO	Thinopyrum elongatum (Host) D. R. Dewey	Tall Wheatgrass	Chiendent allonge	Lange Quecke	Agropiro alargado	Plant	agriculture
1-Jul-2016	THINO_ELO	Agropyron elongatum (Host) P. Beauv.	Tall Wheatgrass	Chiendent allonge	Lange Quecke	Agropiro alargado	Plant	agriculture
1-Jul-2016	THINO_ELO	Elymus elongatus (Host) Runemark	Tall Wheatgrass	Chiendent allonge	Lange Quecke	Agropiro alargado	Plant	agriculture
1-Jul-2016	THINO_ELO	Elytrigia elongata (Host) Nevski	Tall Wheatgrass	Chiendent allonge	Lange Quecke	Agropiro alargado	Plant	agriculture
7-Jul-2016	CUNNI_LAN	Cunninghamia lanceolata (Lamb.) Hook.	Chinese Fir	Sapin de Chine	SpieÃtanne	Abeto de China	Plant	ornamental, forest tree
7-Jul-2016	MANGL	Manglietia Blume					Plant	ornamental, forest tree
7-Jul-2016	POPUL_TOM	Populus tomentosa Carr.	Chinese white Poplar	Peuplier blanc de Chine	Chinesische WeiÃpappel	Alamo blanco de China	Plant	ornamental, forest tree
7-Jul-2016	THINO_INT_BAR	Thinopyrum intermedium (Host) Barkworth & D. R. Dewey subsp. barbulatum (Schur) Barkworth & D. R. Dewey	hairy wheatgrass				Plant	agriculture
7-Jul-2016	THINO_INT_BAR	Agropyron trichophorum (Link) K. Richt.	hairy wheatgrass				Plant	agriculture
7-Jul-2016	SAPIU	Sapium					Plant	ornamental, forest tree

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Date proposed	upov_code	botanical name(s)	name_english	name_french	name_german	name_spanish	category	Crop type
7-Jul-2016	ZANTH	Zanthoxylum					Plant	ornamental
8-Jul-2016	AEONI_ARB	Aeonium arboreum (L.) Webb et Berth.					Plant	ornamental
8-Jul-2016	BITUM_BIT	Bituminaria bituminosa (L.) C. H. Stirt.	Arabian scurf-pea				Plant	agriculture, ornamental
8-Jul-2016	BURSA_SPI	Bursaria spinosa Cav.	Australian blackthorn				Plant	ornamental
8-Jul-2016	CRASS_CAP	Crassula capitella Thunb.					Plant	ornamental
8-Jul-2016	CITRU_MLA	(Citrus medica x Citrus limon) x Citrus aurantiifolia					Plant	fruit
8-Jul-2016	ELYMU_REP_REP	Elymus repens (L.) Gould subsp. repens	Couch Grass	Chiendent rampant	Ackerquecke	Gramma canina	Plant	agriculture
8-Jul-2016	ELYMU_REP_REP	Agropyron repens (L.) P. Beauv.	Couch Grass	Chiendent rampant	Ackerquecke	Gramma canina	Plant	agriculture
8-Jul-2016	ELYMU_REP_REP	Elytrigia repens (L.) Desv. ex Nevski	Couch Grass	Chiendent rampant	Ackerquecke	Gramma canina	Plant	agriculture
8-Jul-2016	GREVI_LAN	Grevillea lanigera A. Cunn. ex R. Br.					Plant	ornamental
8-Jul-2016	LOBEL_PED	Lobelia pedunculata R. Br.	matted pratia				Plant	ornamental
8-Jul-2016	PSEUD_RSP	Elymus repens x Pseudoroegneria spicata					Plant	agriculture
8-Jul-2016	THINO_PON	Thinopyrum ponticum (Podp.) Barkworth & D. R. Dewey	rush wheatgrass		pontische Quecke		Plant	agriculture
8-Jul-2016	THINO_PON	Elytrigia pontica (Podp.) Holub	rush wheatgrass		pontische Quecke		Plant	agriculture
10-Aug-2016	SALVI_GUA	Salvia guaranitica A. St.-Hil. ex Benth.					Plant	ornamental
10-Aug-2016	ZIZIA_APT	Zizia aptera (A. Gray) Fernald					Plant	ornamental
10-Aug-2016	VITEX_NEG	Vitex negundo L.	Chinese chastetree				Plant	ornamental
2-Sep-2016	BUGLO_ARV	Buglossoides arvensis (L.) I. M. Johnst.	corn gromwell	gremil des champs	Acker-Steinsame		Plant	ornamental
2-Sep-2016	BUGLO_ARV	Lithospermum arvense L.	corn gromwell	gremil des champs	Acker-Steinsame		Plant	ornamental
2-Sep-2016	CURIO_HER	Curio herreanus (Dinter) P. V. Heath					Plant	ornamental
2-Sep-2016	CURIO_HER	Senecio herreanus Dinter					Plant	ornamental
2-Sep-2016	PEPER_RVE	Peperomia rubella x Peperomia verticillata					Plant	ornamental
2-Sep-2016	PEPER_RVE	Peperomia rubella x Piper verticillatum					Plant	ornamental
2-Sep-2016	SUAED_MEX	Suaeda mexicana (Standl.) Standl.	Mexican seepweed				Plant	ornamental
2-Sep-2016	SUAED_EDU	Suaeda edulis Flores Oliv. & Noguez				romerito	Plant	vegetable
14-Sep-2016	ALTER	Alternanthera					Plant	agriculture, ornamental
14-Sep-2016	ASPAL	Aspalathus L.					Plant	ornamental
14-Sep-2016	BESCH	Beschomeria Kunth					Plant	ornamental
14-Sep-2016	ALOCA_ORE	Alocasia odora x Alocasia reginula					Plant	ornamental
14-Sep-2016	BORON_HPU	Boronia heterophylla x Boronia pulchella					Plant	ornamental
14-Sep-2016	COLEN	Coleonema					Plant	ornamental
14-Sep-2016	CORNU_HON	Cornus hongkongensis Hemsl.					Plant	ornamental
14-Sep-2016	HYPOX	Hypoxis L.					Plant	ornamental
14-Sep-2016	SEORO	Sedum x Orostachys					Plant	ornamental
14-Sep-2016	TSUGA_CAN	Tsuga canadensis (L.) Carriere					Plant	ornamental,forest tree

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Date proposed	upov_code	botanical name(s)	name_english	name_french	name_german	name_spanish	category	Crop type
21-Sep-2016	LONIC_CAE_EMP	Lonicera caerulea L. var. emphyllocalyx (Maxim.) Nakai					Plant	fruit
21-Sep-2016	LONIC_CAE_EMP	Lonicera emphyllocalyx Maxim.					Plant	fruit
26-Sep-2016	LEPDO_GLA	Lepidosperma gladiatum	coast sword sedge				Plant	ornamental
26-Sep-2016	TRFOL_IST	Trifolium isthmocarpum Brot.					Plant	agriculture
5-Oct-2016	CAPSI_ACH	Capsicum annuum X Capsicum chinense					Plant	vegetable
5-Oct-2016	POPUL_XIA	Populus xxiaohei T. S. Hwang & Y. Liang					Plant	ornamental,forest tree
5-Oct-2016	POPUL_XIA	Populus nigra X Populus simonii					Plant	ornamental,forest tree
5-Oct-2016	TRFOL_RUB	Trifolium rubens L.					Plant	ornamental
14-Oct-2016	CRASS_RUB	Crassula rubricaulis Eckl. & Zeyh.					Plant	ornamental
14-Oct-2016	LAVAN_PED_LUS	Lavandula pedunculata (Mill.) Cav. subsp. lusitanica (Chaytor) Franco	narrow-leaf Spanish lavender				Plant	ornamental
14-Oct-2016	QUERC_HEM	Quercus hemisphaerica W. Bartram ex Willd.	Darlington oak				Plant	forest tree
23-Oct-2016	AEONI_DEC	Aeonium decorum Webb ex Bolle					Plant	ornamental
23-Oct-2016	CRASS_NUD	Crassula nudicaulis L.					Plant	ornamental
23-Oct-2016	CHLRP_SAU	Chlorophytum saundersiae (Baker) Nordal					Plant	ornamental
23-Oct-2016	CHLRP_SAU	Anthericum saundersiae Baker					Plant	ornamental
23-Oct-2016	ECHEV_PUL	Echeveria pulidonis E. Walther					Plant	ornamental
23-Oct-2016	ECHEV_GIL	Echeveria xgilva E. Walther					Plant	ornamental
23-Oct-2016	ECHEV_GIL	Echeveria agavoides X Echeveria elegans					Plant	ornamental
23-Oct-2016	ECHEV_GPU	Echeveria gigantea X Echeveria pulidonis					Plant	ornamental
23-Oct-2016	LEUCO_BRO	Leucophyta brownii Cass.					Plant	ornamental
23-Oct-2016	LEUCO_BRO	Calocephalus brownii (Cass.) F. Muell.					Plant	ornamental
23-Oct-2016	LIMON_SSN	Limonium sinense x Limonium sinuatum					Plant	ornamental
23-Oct-2016	LAVAN_HET	Lavandula xheterophylla Viv.					Plant	ornamental
23-Oct-2016	SALVI_BSP	Salvia buchananii x Salvia splendens					Plant	ornamental
25-Oct-2016	SOLAN_AET	Solanum aethiopicum L.	Chinese scarlet eggplant, gilo, kumba, scarlet eggplant, shum, tomato-fruit eggplant	aubergine amere			Plant	fruit, vegetable
25-Oct-2016	SOLAN_AET	Solanum integrifolium Poir.	Chinese scarlet eggplant, gilo, kumba, scarlet eggplant, shum, tomato-fruit eggplant	aubergine amere			Plant	fruit, vegetable
28-Oct-2016	ARNIC_CHA	Arnica chamissonis Less.	Chamisso arnica	arnica de Chamisso			Plant	fruit, vegetable ornamental

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28-Oct-2016	ARNIC_CHA	Arnica foliosa Nutt.	Chamisso arnica	arnica de Chamisso			Plant	ornamental
8-Nov-2016	ACERR_TAT_GIN	Acer tataricum L. subsp. ginnala (Maxim.) Wesm.					Plant	ornamental
8-Nov-2016	CITRU_MRE	Citrus maxima X Citrus reticulata					Plant	fruit
8-Nov-2016	PHLOX_CAR	Phlox carolina L.	thick-leaf phlox				Plant	ornamental
8-Nov-2016	PHLOX_CMA	Phlox carolina X Phlox maculata					Plant	ornamental
11-Nov-2016	GREVI_LAU	Grevillea laurifolia Sieber ex Spreng.					Plant	ornamental
30-Nov-2016	HYMNC_AMP	Hymenachne amplexicaulis (Rudge) Nees	olive hymenachne			camalote	Plant	agriculture
30-Nov-2016	PHARU	Pharus P. Browne					Plant	ornamental
8-Dec-2016	TRITE_LAX	Triteleia laxa Benth.	common triteleia				Plant	ornamental
20-Dec-2016	CLEMA_MAC	Clematis macropetala Ledeb.					Plant	ornamental
20-Dec-2016	EXACU_TRI	Exacum trinervium (L.) Druce					Plant	ornamental
20-Dec-2016	MORUS_ROT	Morus rotundiloba Koidz.	Thai mulberry				Plant	fruit
20-Dec-2016	MYSTS_PAR	Myosotis xparviflora					Plant	ornamental
20-Dec-2016	MYSTS_PAR	Myosotis arvensis X Myosotis sylvatica					Plant	ornamental
23-Dec-2016	RIBES_CUL	Ribes xculverwellii Macfarl.	Jostaberry		Jostabeere		Plant	fruit
23-Dec-2016	RIBES_CUL	Ribes nigrum L. x Ribes uva-crispa L.	Jostaberry		Jostabeere		Plant	fruit
5-Jan-2017	CEREU_HIL_URU	Cereus hildmannianus K. Schum. subsp. uruguayanus (R. Kiesling) N. P. Taylor	Peruvian-apple, spiny tree cactus				Plant	ornamental
5-Jan-2017	CEREU_HIL_URU	Cereus peruvianus (L.) Mill.	Peruvian-apple, spiny tree cactus				Plant	ornamental
17-Jan-2017	AECHM_DFE	Aechmea dichlamydea x Aechmea fendleri					Plant	ornamental
17-Jan-2017	AECHM_ECT	Aechmea eurcarymbus x (Aechmea chantinii x Aechmea tessmannii)					Plant	ornamental
17-Jan-2017	CANNB_SIN	Cannabis sativa ssp. sativa x Cannabis sativa subsp. indica					Plant	agriculture
17-Jan-2017	HSSAT	Hesperozygis x Satureja					Plant	ornamental
17-Jan-2017	PLYSP_LON	Polyspora longicarpa (Hung T. Chang) C. X. Ye ex B. M. Barthol. & T. L. Ming					Plant	ornamental
17-Jan-2017	ONCID_ALT	Oncidium altissimum (Jacq.) Sw.					Plant	ornamental
17-Jan-2017	TILLA_CPR	Tillandsia cyanea x Tillandsia pretiosa					Plant	ornamental
24-Jan-2017	ERICA_ARB	Erica arborea L.	Tree Heath	Bruyere arborescente	Baumheide	Brezo	Plant	ornamental,forest tree
17-Feb-2017	DGTLS_VAL	Digitalis xvalinii J. D. Arm.					Plant	ornamental
17-Feb-2017	ILEXX_OWA	Ilex owariensis Hatus. & M. Kobay.					Plant	ornamental
2-Mar-2017	TILIA_AME	Tilia americana L.					Plant	ornamental,forest tree
16-Mar-2017	ALHAW	xAlworthia G. D. Rowley					Plant	ornamental
16-Mar-2017	ALHAW	Aloe x Haworthia					Plant	ornamental
16-Mar-2017	ALICE	xAliceara hort.					Plant	ornamental
16-Mar-2017	ALOEE_RAU	Aloe rauhii Reynolds					Plant	ornamental

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16-Mar-2017	FICUS_DEL	Ficus deltoidea Jack	mistletoe fig				Plant	ornamental
16-Mar-2017	PACHY_HOV	Pachyphytum hookeri x Pachyphytum oviferum					Plant	ornamental
16-Mar-2017	SCROP_MAC	Scrophularia macrantha Greene ex Stiefel.					Plant	ornamental
16-Mar-2017	VEGLA_BHY	Verbena bonariensis x Glandularia hybrida					Plant	ornamental
16-Mar-2017	VIBUR_RHY	Viburnum rhytidophyllum Hemsl.	leatherleaf viburnum				Plant	ornamental
17-Mar-2017	BRDIP_RTE	Brassica rapa x Diplotaxis tenuifolia					Plant	vegetable
17-Mar-2017	BRDIP_OTE	Brassica oleracea x Diplotaxis tenuifolia					Plant	vegetable
17-Mar-2017	HAWOR_CYM_OBT	Haworthia cymbiformis (Haw.) Duval var. obtusa (Haw.) Baker					Plant	ornamental
17-Mar-2017	EURYA_JAP	Eurya japonica Thunb.					Plant	ornamental
17-Mar-2017	KALAN_BSP	Kalanchoe blossfeldiana x Kalanchoe spathulata					Plant	ornamental
17-Mar-2017	PERSI_CAP	Persicaria capitata (Buch.-Ham. ex D. Don) H. Gross	Japanese knotweed	renouee capitee	Kopf-Knoterich		Plant	ornamental
17-Mar-2017	NEMOP	Nemophila					Plant	ornamental
17-Mar-2017	SEEMA_NSJ	Seemannia nematanthodes x Seemannia sylvatica					Plant	ornamental
17-Mar-2017	SEEMA_SYL	Seemannia sylvatica (Kunth) Hanst.					Plant	ornamental
17-Mar-2017	SEEMA_SYL	Gloxinia sylvatica (Kunth) Wiehler					Plant	ornamental
17-Mar-2017	SLPGL_SIN	Salpiglossis sinuata Ruiz & Pav.					Plant	ornamental
17-Mar-2017	VIBUR_PHL	Viburnum phlebotrichum Siebold & Zucc.					Plant	ornamental
22-Mar-2017	ALYOG_HUE	Alyogyne huegelii (Endl.) Fryxell					Plant	ornamental
22-Mar-2017	CERCS_SIL	Cercis siliquastrum L.	Judastree				Plant	ornamental
22-Mar-2017	DESMA_PER	Desmanthus pernambucanus (L.) Thell.					Plant	agriculture
22-Mar-2017	EREMP_GMA	Eremophila glabra x Eremophila maculata					Plant	ornamental
22-Mar-2017	MALUS_YUN	Malus yunnanensis (Franch.) C. K. Schneid.					Plant	ornamental
22-Mar-2017	MAIRE_SED	Maireana sedifolia (F. Muell.) Paul G. Wilson	bluebush				Plant	ornamental
22-Mar-2017	TRFOL_RAM	Trifolium repens x Trifolium ambiguum					Plant	agriculture
24-Mar-2017	CITRU_TAN	Citrus tangerina Tanaka	dancy tangerine				Plant	fruit

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