

## CONSIDERATION OF PROPOSALS FOR AMENDMENT OF APPENDICES I AND II

A. Proposal

To annotate Orchidaceae in Appendix II to exclude artificially propagated specimens of the following genera:

<i>Cattleya</i>	Interspecific hybrids within the genus and intergeneric hybrids
<i>Cymbidium</i>	Interspecific hybrids within the genus and intergeneric hybrids
<i>Dendrobium</i>	Interspecific hybrids within the genus known in horticulture as " <i>nobile</i> -types" and " <i>phalaenopsis</i> -types," both of which are clearly recognizable by commercial growers and hobbyists
<i>Oncidium</i>	Interspecific hybrids within the genus and intergeneric hybrids
<i>Phalaenopsis</i>	Interspecific hybrids within the genus and intergeneric hybrids
<i>Vanda</i>	Interspecific hybrids within the genus and intergeneric hybrids

The annotation to specifically read as follows:

"Artificially propagated specimens of hybrids within the genera *Cattleya*, *Cymbidium*, *Dendrobium* (*phalaenopsis* and *nobile* types only), *Oncidium*, *Phalaenopsis*, and *Vanda*, including their intergeneric hybrids, are not subject to the provisions of the Convention when: (a) specimens are traded in shipments consisting of individual containers (i.e., cartons, boxes, or crates) containing 100 or more plants each; (b) all plants within a container are of the same hybrid, with no mixing of different hybrids within a container; (c) plants within a container can be readily recognized as artificially propagated specimens by exhibiting a high degree of uniformity in size and stage of growth, cleanliness, intact root systems, and general absence of damage or injury that could be attributable to plants originating in the wild; (d) plants do not exhibit characteristics of wild origin, such as damage by insects or other animals, fungi or algae adhering to leaves, or mechanical damage to roots, leaves, or other parts resulting from collection; and (e) shipments are accompanied by documentation, such as an invoice, which clearly states the number of plants and which of the six exempt genera are included in the shipment, and is signed by the shipper. Plants not clearly qualifying for the exemption must be accompanied by appropriate CITES documents."

B. Proponent

The United States of America.

C. Supporting statement1. Taxonomy

1.1 Class: Monocotyledonae

1.2 Order: Orchidales

1.3 Family: Orchidaceae

1.4 Genera:

1.4.1 *Cattleya* Lindl. hybrids (approximately 30,000 man-made interspecific and intergeneric hybrids; Annex 1)

1.4.2 *Cymbidium* Sw. (approximately 11,000 man-made interspecific and intergeneric hybrids; Annex 1)

- 1.4.3 *Dendrobium nobile* Lindl. and *Dendrobium bigibbum* Lindl. [= *D. halaenopsis* Fitzg.] (thousands of man-made hybrids known in trade as "nobile-type" and "phalaenopsis-type" dendrobiums)
- 1.4.4 *Oncidium* Sw. (approximately 4,000 man-made hybrids)
- 1.4.5 *Phalaenopsis* Blume (over 22,000 man-made hybrids)
- 1.4.6 *Vanda* Jones (approximately 6,000 man-made hybrids)
- 1.5 Scientific synonyms: See Annex 1 for names of intergeneric hybrids.
- 1.6 Common names\*\*:
- English: Dancing lady orchid (*Oncidium*)  
Moth orchid (*Phalaenopsis*)
- French:
- Spanish:

\*\* Many orchids do not have common names and are usually traded under their scientific names.

1.7 Code numbers:

## 2. Biological parameters

These parameters are not relevant for this proposal, since it does not refer to wild-collected specimens, or even to naturally occurring entities in most cases (i.e., except for natural hybrids, which may also be artificially produced in cultivation). The majority of these artificially propagated hybrids are complex interspecific or intergeneric hybrids, often several generations removed from the original species used to create them, with their origins pre-dating the Convention.

This proposal is made in accordance with the provisions of paragraph f) under the second RESOLVES in Resolution Conf. 9.24:

"[S]pecies of which all specimens in trade have been bred in captivity or artificially propagated should not be included in the Appendices if there is no probability of trade taking place in specimens of wild origin:"

as well as in accordance with the provisions of paragraph a) under DETERMINES in the section of Resolution Conf. 11.11 Regarding hybrids:

"[H]ybrids shall be subject to the provisions of the Convention even though not specifically included in the Appendices if one or both of their parents are of taxa included in the Appendices, unless the hybrids are excluded from CITES controls by a specific annotation in Appendix II or III (see annotation ° 608 in the Interpretation of Appendices I and II)."

## 3. Utilization and trade

### 3.1 National utilization

A country-by-country account of national utilization of these hybrids would not be meaningful because they are not natural entities and they are traded worldwide.

### 3.2 Legal international trade

Data from the World Conservation Monitoring Centre for the years 1980 to 1998 (the most recent year for which data were available) show an increasing number of artificially propagated specimens, including an increasing percentage, make up the total recorded legal trade. Of the tens of millions of orchids traded annually, approximately 95% or more are artificially propagated (see Annex 2). At the same time, the total numbers of wild-collected plants in trade appear to be declining (see

Annex 3), although it is difficult to make such a statement with certainty due to the potential for recent years' data to be incomplete.

### 3.3 Illegal trade

Artificially propagated hybrid specimens of these genera are illegally traded, although deliberate efforts to smuggle orchids generally involve species, especially wild-collected specimens. Illegal trade of hybrids often consists of small numbers of specimens by hobbyists who are unaware of documentation requirements. Commercial growers are usually aware of the requirements for permits or certificates and obtain them as needed, although occasional irregularities occur.

### 3.4 Actual or potential trade impacts

Concern over the impact of trade is not related to these entities, but to the naturally occurring species within these genera. Exempting artificially propagated hybrids may be harmful to wild populations if wild-collected specimens of these genera are misrepresented in trade as artificially propagated hybrids. However, this risk is the same as the risk of wild-collected specimens being traded with permits or certificates issued for artificially propagated specimens. The restrictions in the proposed annotation are intended to preclude abuse of the exemption by traders in wild-collected species, which generally (a) are traded in smaller quantities; (b) are not uniform in appearance; and (c) exhibit characteristics of wild origin.

### 3.5 Artificial propagation for commercial purposes (outside country of origin)

Artificially propagated specimens of these six genera (*Cattleya*, *Cymbidium*, *Dendrobium*, *Oncidium*, *Phalaenopsis* and *Vanda*) are represented by over 80,000 hybrid gregi (plural of grex, the term used for the progeny resulting from a cross of two particular parental plants; number as of December 2001) and constitute by far the largest component of international commercial orchid trade. Breeding in these six genera has occurred since hybridization began in the orchid family in the middle of the 19<sup>th</sup> Century. A *Cattleya* hybrid was the first interspecific hybrid recorded, ca. 1850, though it was not the first to flower. Since 1922, when Lewis Knudson introduced asymbiotic seed culture for orchids, their hybridization has exploded, with over 110,000 hybrid gregi registered by the end of 2000. Seed culture, while still a vital part of large-scale commercial orchid production—particularly in *Phalaenopsis*, by far the leader in numbers of plants produced—tissue culture or cloning (“meristemming”) of popular cultivars has enabled the global market to grow at an exponential rate.

The phenomenal growth rate of the global orchid trade, as evidenced by trade figures, has been fueled by several factors. These include: an increase in popularity and the realization by consumers that orchids are affordable and amenable to home culture; technological improvements in orchid culture, which enable plants to be grown in greater quantities, faster, and therefore at a lower cost; improved transport from lower-cost production areas to distant markets where production is less cost-effective; and improved communication between producer countries and consumer countries, where higher prices can be obtained by superior marketing.

Major producing nations include Brazil, China, Costa Rica, Indonesia, Malaysia, the Netherlands, the Philippines, Thailand, and the United States of America. Increasing demand in developed nations provides the opportunity for the development of export markets by other developing nations in Southeast Asia and Latin America.

#### 4. Conservation and Management

##### 4.1 Legal status

Artificially propagated hybrids may be subject to legal controls at the national level to effect the protection of species. These hybrids currently require CITES export documents to ensure that their export is both legal and not detrimental to their parent species.

##### 4.2 Species management

Not relevant for this proposal.

##### 4.3 Control measures

Artificially propagated hybrids of *Cattleya*, *Cymbidium*, *Dendrobium*, *Oncidium*, *Phalaenopsis*, and *Vanda* can be distinguished from wild specimens by the following characteristics:

- the plants are traded in large volumes by traders who specialize in mass-marketed pot plants;
- specimens of the same taxon are highly uniform in size and form, especially within a shipment, because the plants are the same age and in the same stage of growth;
- specimens are generally free of pests, disease, and damage;
- specimens are typically grown in pots and often will have roots conforming to the shape of the pot in which they were grown;
- prices of these plants are typically low and consistent within taxa;
- artificially propagated hybrids will often be exported in large volumes from countries that do not include the natural range of the parent species, although this is not exclusively the case.

#### 5. Information on Similar Species

This proposal only relates to artificially propagated hybrid plants of the specified six genera, all of which are relatively easy to identify to genus or type. The artificially propagated hybrids of these genera may be confused in trade with their parent species (congeners) due to similarity of appearance.

#### 6. Other Comments

##### 6.1 General

This proposal was developed as a consequence of a review of the listing of the Orchidaceae, which was begun at the Tenth Meeting of the Plants Committee (Shepherdstown, 2000) by a Working Group, with the assistance of the Secretariat. At the Eleventh Meeting of the Plants Committee (Langkawi, 2001), it was determined that a thorough review of all Orchidaceae was not practicable, due to limited resources and the enormity of the task. However, to make the listing of Orchidaceae more effective, it was agreed that another Working Group would investigate the feasibility of annotating the selected genera covered by this proposal to exempt their artificially propagated hybrids from CITES controls. Such an annotation is intended to create an incentive for trade in artificially propagated specimens, by eliminating the need for CITES permits, as a preferred alternative to trade in wild-collected specimens for which trade impacts are not precisely known. In addition, removing artificially propagated specimens from CITES controls should significantly reduce the workload of permit-issuing authorities so that they may concentrate their efforts on specimens requiring closer scrutiny. However, this annotation will place a burden of responsibility on inspection officials to ensure that specimens qualify for the exemption, and additional mechanisms may need to be considered for such an exemption to be workable.

This proposal was discussed and endorsed by the Plants Committee at its Twelfth Meeting (Leiden, 2002).

7. Additional Remarks

A number of range countries for these genera attended the Twelfth Meeting of the Plants Committee, as both Regional Representatives on the Committee and as Party observers. No range country represented at the meeting expressed opposition to this proposal. However, attendees at the meeting agreed that, if adopted, implementation of this annotation should be monitored to determine whether it causes any difficulties, especially with enforcement of requirements of the Convention for non-exempt orchid species and hybrids. If it is determined that adoption of this annotation results in an increase in illegal trade, or creates other significant difficulties in regulating non-exempt specimens, it was agreed that the annotation should be repealed as soon as possible.

8. References

Bechtel, H., P. Cribb, and E. Launert. 1992. *The Manual of Cultivated Orchid Species*, Third Edition. The MIT Press, Cambridge, Massachusetts.

Dressler, R. L. 1993. *Phylogeny and Classification of the Orchid Family*. Dioscorides Press, Hong Kong.

Wildcatt Database Co. 2001. *Wildcatt Orchids: An Orchid Database* (CD-ROM). Wildcatt Database Co., Ames, Iowa.



Names of intergeneric hybrids involving the six natural genera of *Cattleya*, *Cymbidium*, *Dendrobium*, *Oncidium*, *Phalaenopsis*, and *Vanda*. The total number of registered hybrids for these groups was 80,318 in December 2001.

***Cattleya* hybrids and intergeneric hybrids involving *Cattleya*.**

**Total number of hybrids in this group: approximately 29,000**

Hybrid name	Abbreviation	Genera used
Allenara	Alna	Cattleya x Diacrium x Epidendrum x Laelia
Arizara	Ariz	Cattleya x Domingoa x Epidendrum
Bishopara	Bish	Broughtonia x Cattleya x Sophronitis
Brassocattleya	Bc	Brassavola x Cattleya
Brassolaeliocattleya	Blc	Brassavola x Cattleya x Laelia
Brownara	Bwna	Broughtonia x Cattleya x Diacrium
Buiara	Bui	Broughtonia x Cattleya x Epidendrum x Laelia x Sophronitis
Cattkeria	Cka	Barkeria x Cattleya
Cattlassia	Cas	Brassia x Cattleya
Cattleya	C	Cattleya x Cattleya
Cattleytonia	Ctna	Broughtonia x Cattleya
Catttotes	Ctts	Cattleya x Leptotes
Clarkeara	Clka	Brassavola x Cattleya x Diacrium x Laelia x Sophronitis
Cookara	Cook	Broughtonia x Cattleya x Diacrium x Laelia
Dekensara	Dek	Brassavola x Cattleya x Schomburgkia
Diacattleya	Diaca	Cattleya x Diacrium
Dialaeliocattleya	Dialc	Cattleya x Diacrium x Laelia
Epicatonia	Epctn	Broughtonia x Cattleya x Epidendrumdendrum
Epicattleya	Epc	Cattleya x Epidendrum
Epilaeliocattleya	Eplc	Cattleya x Epidendrum x Laelia
Estelara	Esta	Brassavola x Cattleya x Epidendrum x Tetramicra
Fergusonara	Ferg	Brassavola x Cattleya x Laelia x Schomburgkia x Sophronitis
Fialara	Fia	Broughtonia x Cattleya x Laelia x Laeliopsis
Fordyceara	Fdca	Broughtonia x Cattleya x Laeliopsis x Tetramicra
Fujiwarara	Fjw	Brassavola x Cattleya x Laeliopsis
Gladysyeara	Glya	Brassavola x Broughtonia x Cattleya x Cattleyopsis x Diacrium x Epidendrum x Laelia x Sophronitis
Hasegawaara	Hasgw	Brassavola x Broughtonia x Cattleya x Laelia x Sophronitis
Hattoriara	Hatt	Brassavola x Broughtonia x Cattleya x Epidendrum x Laelia
Hawkesara	Hwkra	Cattleya x Cattleyopsis x Epidendrum
Hawkinsara	Hknsa	Broughtonia x Cattleya x Laelia x Sophronitis
Herbertara	Hbtr	Cattleya x Laelia x Schomburgkia x Sophronitis
Higashiara	Hgsh	Cattleya x Diacrium x Laelia x Sophronitis
Hookerara	Hook	Brassavola x Cattleya x Diacrium

Iacovielloara	Icvi	Brassavola x Cattleya x Diacrium x Epidendrum x Laelia
Iwanagara	Iwan	Brassavola x Cattleya x Diacrium x Laelia
Izumiaara	Izma	Cattleya x Epidendrum x Laelia x Schomburgkia x Sophronitis
Jewellara	Jwa	Broughtonia x Cattleya x Epidendrum x Laelia
Johnyeeara	Jya	Brassavola x Cattleya x Epidendrum x Laelia x Schomburgkia x Sophronitis
Kawamotoara	Kwmta	Brassavola x Cattleya x Domingoa x Epidendrum x Laelia
Kirchara	Kir	Cattleya x Epidendrum x Laelia x Sophronitis
Kraussara	Krsa	Broughtonia x Cattleya x Diacrium x Laeliopsis
Laeliocatonia	Lctna	Broughtonia x Cattleya x Laelia
Laeliocattkeria	Lcka	Barkeria x Cattleya x Laelia
Laeliocattleya	Lc	Cattleya x Laelia
Laeliopleya	Lpya	Cattleya x Laeliopsis
Lyonara	Lyon	Cattleya x Laelia x Sophronitis
Mailamaiaara	Mai	Cattleya x Diacrium x Laelia x Schomburgkia
Matsudaara	Msda	Barkeria x Cattleya x Laelia x Sophronitis
Maymoirara	Mymra	Cattleya x Epidendrum x Laeliopsis
Mizutara	Miz	Cattleya x Diacrium x Schomburgkia
Mooreara	Mora	Brassavola x Broughtonia x Cattleya x Laelia x Schomburgkia x Sophronitis
Northenara	Nrna	Cattleya x Epidendrum x Laelia x Schomburgkia
Opsiscattleya	Opsct	Cattleya x Cattleyopsis
Osmentara	Osmt	Broughtonia x Cattleya x Laeliopsis
Otaara	Otr	Brassavola x Broughtonia x Cattleya x Laelia
Potinara	Pot	Brassavola x Cattleya x Laelia x Sophronitis
Recchara	Recc	Brassavola x Cattleya x Laelia x Schomburgkia
Rolfeara	Rolf	Brassavola x Cattleya x Sophronitis
Rothara	Roth	Brassavola x Cattleya x Epidendrum x Laelia x Sophronitis
Sakabaara	Skba	Brassavola x Broughtonia x Cattleya x Diacrium x Laelia
Sallyyeeara	Sya	Brassavola x Broughtonia x Cattleya x Cattleyopsis x Diacrium x Epidendrum x Laelia x Schomburgkia x Sophronitis
Schombocatonia	Smbcna	Broughtonia x Cattleya x Schomburgkia
Schombocattleya	Smbc	Cattleya x Schomburgkia
Scullyara	Scu	Cattleya x Epidendrum x Schomburgkia
Sophrocattleya	Sc	Cattleya x Sophronitis
Sophrolaeliocattleya	Slc	Cattleya x Laelia x Sophronitis
Stacyara	Stac	Cattleya x Epidendrum x Sophronitis
Stellamizutaara	Stlma	Brassavola x Broughtonia x Cattleya
Susanperreiraara	Sprra	Broughtonia x Cattleya x Tetramicra
Symmonsara	Syma	Brassavola x Cattleya x Epidendrum x Schomburgkia
Tetracattleya	Ttct	Cattleya x Tetramicra
Trisuloara	Tsla	Barkeria x Brassavola x Cattleya x Epidendrum x Laelia x Sophronitis
Tuckerara	Tuck	Cattleya x Diacrium x Epidendrum

Turnbowara	Tbwa	Barkeria x Broughtonia x Cattleya
Vacherotara	Vach	Brassavola x Broughtonia x Cattleya x Epidendrum x Laelia x Sophronitis
Vaughnara	Vnra	Brassavola x Cattleya x Epidendrum
Vejvarutara	Vja	Broughtonia x Cattleya x Cattleyopsis
Westara	Wsta	Brassavola x Broughtonia x Cattleya x Laelia x Schomburgkia
Wilburchangara	Wbchg	Broughtonia x Cattleya x Epidendrum x Schomburgkia
Yahiroara	Yhra	Brassavola x Cattleya x Epidendrum x Laelia x Schomburgkia
Yamadara	Yam	Brassavola x Cattleya x Epidendrum x Laelia
Yeeara	Yra	Brassavola x Broughtonia x Cattleya x Epidendrum x Laelia x Schomburgkia x Sophronitis

**Vanda hybrids and intergeneric hybrids involving Vanda.**

**Total number of hybrids in this group: approximately 6,000**

Aeridovanda	Aerdv	Aerides x Vanda
Aeridovanisia	Aervsa	Aerides x Luisia x Vanda
Alphonsoara	Alph	Arachnis x Ascocentrum x Vanda x Vandopsis
Andrewara	Andw	Arachnis x Renanthera x Trichoglottis x Vanda
Aranda	Aranda	Arachnis x Vanda
Ascocenda	Asco	Ascocentrum x Vanda
Ascovandoritis	Asvts	Ascocentrum x Doritis x Vanda
Bogardara	Bgd	Ascocentrum x Phalaenopsis x Vanda
Bokchoonara	Bkch	Arachnis x Ascocentrum x Phalaenopsis x Vanda
Bovornara	Bov	Arachnis x Ascocentrum x Rhyncostylis x Vanda
Burkillara	Burk	Aerides x Arachnis x Vanda
Charlieara	Charl	Rhyncostylis x Vanda x Vandopsis
Christieara	Chtra	Aerides x Ascocentrum x Vanda
Chuatiarana	Chtn	Neofinetia x Renanthera x Rhyncostylis x Vanda
Darwinara	Dar	Ascocentrum x Neofinetia x Rhyncostylis x Vanda
Debruyneara	Dbra	Ascocentrum x Luisia x Vanda
Devereuxara	Dvra	Ascocentrum x Phalaenopsis x Vanda
Eastonara	Eas	Ascocentrum x Gastrochilus x Vanda
Engkhamara	Ekma	Aerides x Arachnis x Ascocentrum x Renanthera x Vanda
Fujioara	Fjo	Ascocentrum x Trichoglottis x Vanda
Goffara	Gfa	Luisia x Rhyncostylis x Vanda
Hagerara	Hgra	Doritis x Phalaenopsis x Vanda
Hawaiiara	Haw	Renanthera x Vanda x Vandopsis
Himoriara	Hmra	Ascocentrum x Phalaenopsis x Rhyncostylis x Vanda
Holttumara	Holtt	Arachnis x Renanthera x Vanda
Isaoara	Isr	Aerides x Ascocentrum x Phalaenopsis x Vanda
Joannara	Jnna	Renanthera x Rhyncostylis x Vanda
Kagawara	Kgw	Ascocentrum x Renanthera x Vanda
Kippenara	Kpa	Ascocentrum x Doritis x Rhyncostylis x Vanda
Knappara	Knp	Ascocentrum x Rhyncostylis x Vanda x Vandopsis
Knudsonara	Knud	Ascocentrum x Neofinetia x Renanthera x Rhyncostylis x Vanda
Laipenchihara	Lpca	Ascocentrum x Doritis x Neofinetia x Rhyncostylis x Vanda
Leaneyara	Lnya	Ascocentrum x Rhyncostylis x Sarcochilus x Vanda
Leeara	Leeara	Arachnis x Vanda x Vandopsis
Lewisara	Lwsra	Aerides x Arachnis x Ascocentrum x Vanda
Luisanda	Lsnd	Luisia x Vanda
Luivanetia	Lvta	Luisia x Neofinetia x Vanda
Maccoyara	Mcyra	Aerides x Vanda x Vandopsis

Macekara	Maka	Arachnis x Phalaenopsis x Renanthera x Vanda x Vandopsis
Meechaiara	Mchr	Ascocentrum x Doritis x Phalaenopsis x Rhyncostylis x Vanda
Micholitzara	Mchza	Aerides x Ascocentrum x Neofinetia x Vanda
Moirara	Moir	Phalaenopsis x Renanthera x Vanda
Mokara	Mkra	Arachnis x Ascocentrum x Vanda
Nakamotoara	Nak	Ascocentrum x Neofinetia x Vanda
Nobleara	Nlra	Aerides x Renanthera x Vanda
Okaara	Okr	Ascocentrum x Renanthera x Rhyncostylis x Vanda
Onoara	Onra	Ascocentrum x Renanthera x Vanda x Vandopsis
Opsisanda	Opsis	Vanda x Vandopsis
Pageara	Pga	Ascocentrum x Luisia x Rhyncostylis x Vanda
Pantapaara	Pntp	Ascoglossum x Renanthera x Vanda
Paulara	Plra	Ascocentrum x Doritis x Phalaenopsis x Renanthera x Vanda
Pehara	Peh	Aerides x Arachnis x Vanda x Vandopsis
Perreiraara	Prra	Aerides x Rhyncostylis x Vanda
Phalaerianda	Phda	Aerides x Phalaenopsis x Vanda
Porterara	Prta	Rhyncostylis x Sarcophilus x Vanda
Raganara	Rgn	Renanthera x Trichoglottis x Vanda
Ramasamyara	Rmsya	Arachnis x Rhyncostylis x Vanda
Renafinanda	Rfnda	Neofinetia x Renanthera x Vanda
Renanda	Rnnd	Arachnis x Renanthera x Vanda
Renantanda	Rntda	Renanthera x Vanda
Rhynchovanda	Rhv	Rhyncostylis x Vanda
Ridleyara	Ridl	Arachnis x Trichoglottis x Vanda
Robinara	Rbnra	Aerides x Ascocentrum x Renanthera x Vanda
Ronnyara	Rnya	Aerides x Ascocentrum x Rhyncostylis x Vanda
Sanjumeara	Sjma	Aerides x Neofinetia x Rhyncostylis x Vanda
Saplalaara	Spla	Ascocentrum x Renanthera x Rhyncostylis x Vanda x Vandopsis
Sarcovanda	Srv	Sarcophilus x Vanda
Shigeuraara	Shgra	Ascocentrum x Ascoglossum x Renanthera x Vanda
Stamariaara	Stmra	Ascocentrum x Phalaenopsis x Renanthera x Vanda
Sutingara	Sut	Arachnis x Ascocentrum x Phalaenopsis x Vanda x Vandopsis
Tanara	Tanara	Aerides x Ascocentrum x Renanthera x Rhyncostylis x Vanda
Teohara	Thra	Arachnis x Renanthera x Vanda x Vandopsis
Trevorara	Trev	Arachnis x Phalaenopsis x Vanda
Trichovanda	Trcv	Trichoglottis x Vanda
Vancampe	Vcp	Acampe x Vanda
Vanda	V	Vanda x Vanda
Vandaenopsis	Vdnps	Phalaenopsis x Vanda
Vandaeranthos	Vths	Aeridesth x Vanda
Vandewegheara	Vwga	Ascocentrum x Doritis x Phalaenopsis x Vanda

Vandofinetia	Vf	Neofinetia x Vanda
Vandofinides	Vfds	Aerides x Neofinetia x Vanda
Vandoritis	Vdts	Doritis x Vanda
Vanglossum	Vgm	Ascoglossum x Vanda
Vascostylis	Vasco	Ascocentrum x Rhyncostylis x Vanda
Viraphandhuara	Vpda	Aerides x Ascocentrum x Neofinetia x Vanda
Wailaiara	Wlra	Aerides x Arachnis x Ascocentrum x Rhyncostylis x Vanda
Waironara	Wrna	Aerides x Renanthera x Rhyncostylis x Vanda
Wilkinsara	Wknsra	Ascocentrum x Vanda x Vandopsis
Yapara	Yap	Phalaenopsis x Rhyncostylis x Vanda
Yeepengara	Ypga	Aerides x Phalaenopsis x Rhyncostylis x Vanda
Yonezawaara	Yzwr	Neofinetia x Rhyncostylis x Vanda
Yusofara	Ysfra	Arachnis x Ascocentrum x Renanthera x Vanda

***Oncidium* hybrids and intergeneric hybrids involving *Oncidium*.**

**Total number of hybrids in this group: approximately 4,000**

Adacidium	Adcm	Ada x <i>Oncidium</i>
Alexanderara	Alxra	<i>Brassia</i> x <i>Cochloda</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Aliceara	Alcra	<i>Brassia</i> x <i>Miltonia</i> x <i>Oncidium</i>
Aspasmus	Aspsm	<i>Aspasia</i> x <i>Oncidium</i>
Bakerara	Bak	<i>Brassia</i> x <i>Miltonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Baldwinara	Bdwna	<i>Aspasia</i> x <i>Cochloda</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Baptistocidium	Btcm	<i>Baptistonia</i> x <i>Oncidium</i>
Barbosaara	Bbra	<i>Cochloda</i> x <i>Gomesa</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Baumannara	Bmna	<i>Comparettia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Brassidium	Brassiadm	<i>Brassia</i> x <i>Oncidium</i>
Brillianteara	Brla	<i>Aspasia</i> x <i>Brassia</i> x <i>Cochloda</i> x <i>Miltonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Burkhardtara	Bktra	<i>Leochilus</i> x <i>Odontoglossum</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Burrageara	Burr	<i>Cochloda</i> x <i>Miltonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Campbellara	Cmpba	<i>Odontoglossum</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Carpenterara	Cpra	<i>Baptistonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Charlesworthara	Cha	<i>Cochloda</i> x <i>Miltonia</i> x <i>Oncidium</i>
Colmanara	Colm	
Crawshayara	Craw	<i>Miltonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Dunningara	Dngra	<i>Aspasia</i> x <i>Miltonia</i> x <i>Oncidium</i>
Eliara	Eliara	<i>Brassia</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Eryidium	Erdm	<i>Erycina</i> x <i>Oncidium</i>
Georgeblackara	Gbka	<i>Comparettia</i> x <i>Leochilus</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Goodaleara	Gdlra	<i>Brassia</i> x <i>Cochloda</i> x <i>Miltonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Howeara	Hwra	<i>Leochilus</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Ionocidium	Incdm	<i>Ionopsis</i> x <i>Oncidium</i>
Johnkellyara	Jkl	<i>Brassia</i> x <i>Leochilus</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Kriegerara	Kgra	Ada x <i>Cochloda</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Leocidium	Lcdm	<i>Leochilus</i> x <i>Oncidium</i>
Leocidmesa	Lcmsa	<i>Gomesa</i> x <i>Leochilus</i> x <i>Oncidium</i>
Leocidpasia	Lcdpa	<i>Aspasia</i> x <i>Leochilus</i> x <i>Oncidium</i>
Liebmanara	Lieb	<i>Aspasia</i> x <i>Cochloda</i> x <i>Oncidium</i>
Lockcidium	Lkcdm	<i>Lockhartia</i> x <i>Oncidium</i>
Lockcidmesa	Lkda	<i>Lockhartia</i> x <i>Oncidium</i> x <i>Gomesa</i>
Maclellanara	Mclna	<i>Brassia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Maunderara	Mnda	Ada x <i>Cochloda</i> x <i>Miltonia</i> x <i>Odontoglossum</i> x <i>Oncidium</i>
Miltonidium	Mtadm	Ada x <i>Miltonia</i> x <i>Oncidium</i>
Miltonidium	Mtdm	<i>Miltonia</i> x <i>Oncidium</i>
Norwoodara	Nwda	<i>Brassia</i> x <i>Miltonia</i> x <i>Oncidium</i> x <i>Rodriguezia</i>
Notylidium	Ntldm	<i>Notylia</i> x <i>Oncidium</i>
Odontocidium	Odcdm	<i>Odontoglossum</i> x <i>Oncidium</i>
Oncidandra	Ora	<i>Galeandra</i> x <i>Oncidium</i>

Oncidenia	Oncidiumna	Macradenia x Oncidium
Oncidesa	Oncidiumsa	Gomesa x Oncidium
Oncidettia	Oncidiumtta	Comparettia x Oncidium
Oncidiella	Oncidiumlla	Oncidium x Rodriguezia
Oncioda	Oncidiumda	Cochlioda x Oncidium
Oncidium	Onc	Oncidium x Oncidium
Oncidpilia	Oncidiumpa	Oncidium x Trichopilia
Ornithocidium	Orncm	Oncidium x Ornithophora
Pettitara	Pett	Ada x Brassia x Oncidium
Rehfieldara	Rfda	Ada x Odontoglossum x Oncidium
Richardsonara	Rchna	Aspasia x Odontoglossum x Oncidium
Rodricidium	Rdcm	Oncidium x Rodriguezia
Ruppara	Rppa	Gomesa x Odontoglossum x Oncidium
Sauledaara	Sdra	Aspasia x Brassia x Miltonia x Oncidium x Rodriguezia
Segerara	Sgra	Aspasia x Cochlioda x Miltonia x Odontoglossum x Oncidium
Shiveara	Shva	Aspasia x Brassia x Odontoglossum x Oncidium
Sigmacidium	Sgdm	Oncidium x Sigmatostalix
Trichocidium	Trcdm	Oncidium x Trichocentrum
Vanalstyneara	Vnsta	Miltonia x Odontoglossum x Oncidium x Rodriguezia
Warneara	Wnra	Comparettia x Oncidium x Rodriguezia
Wilsonara	Wils	Cochlioda x Odontoglossum x Oncidium
Withnerara	With	Aspasia x Miltonia x Odontoglossum x Oncidium

***Phalaenopsis* hybrids and intergeneric hybrids involving *Phalaenopsis*.**

**Total number of hybrids in this group: approximately 22,500**

Aeridesidopsis	Aeridesps	Aerides x <i>Phalaenopsis</i>
Arachnisopsis	Arnps	Arachnis x <i>Phalaenopsis</i>
Asconopsis	Ascps	Ascocentrum x <i>Phalaenopsis</i>
Beardara	Bdra	Ascocentrum x <i>Doritis</i> x <i>Phalaenopsis</i>
Bogardara	Bgd	Ascocentrum x <i>Phalaenopsis</i> x <i>Vanda</i>
Bokchoonara	Bkch	Arachnis x Ascocentrum x <i>Phalaenopsis</i> x <i>Vanda</i>
Cleisonopsis	Clnps	Cleisocentron x <i>Phalaenopsis</i>
Devereuxara	Dvra	Ascocentrum x <i>Phalaenopsis</i> x <i>Vanda</i>
Diplonopsis	Dpnps	Diploprora x <i>Phalaenopsis</i>
Doritiellaopsis	Dllps	<i>Doritis</i> x <i>Kingiella</i> x <i>Phalaenopsis</i>
Doritaenopsis	Dtps	<i>Doritis</i> x <i>Phalaenopsis</i>
Dresslerara	Dres	Ascoglossum x <i>Phalaenopsis</i> x <i>Renanthera</i>
Edeara	Edr	Arachnis x <i>Phalaenopsis</i> x <i>Renanthera</i> x <i>Vandopsis</i>
Ernestara	Entra	<i>Phalaenopsis</i> x <i>Renanthera</i> x <i>Vandopsis</i>
Eurynopsis	Eunps	<i>Eurychone</i> x <i>Phalaenopsis</i>
Glanzara	Glz	<i>Doritis</i> x <i>Phalaenopsis</i> x <i>Rhyncostylis</i>
Hagerara	Hgra	<i>Doritis</i> x <i>Phalaenopsis</i> x <i>Vanda</i>
Hausermannara	Haus	<i>Doritis</i> x <i>Phalaenopsis</i> x <i>Vandopsis</i>
Himoriara	Hmra	Ascocentrum x <i>Phalaenopsis</i> x <i>Rhyncostylis</i> x <i>Vanda</i>
Isaoara	Isr	<i>Aerides</i> x Ascocentrum x <i>Phalaenopsis</i> x <i>Vanda</i>
Laycockara	Lay	Arachnis x <i>Phalaenopsis</i> x <i>Vandopsis</i>
Lichtara	Licht	<i>Doritis</i> x <i>Gastrochilus</i> x <i>Phalaenopsis</i>
Luinopsis	Lnps	<i>Luisia</i> x <i>Phalaenopsis</i>
Lutherara	Luth	<i>Phalaenopsis</i> x <i>Renanthera</i> x <i>Rhyncostylis</i>
Macekara	Maka	Arachnis x <i>Phalaenopsis</i> x <i>Renanthera</i> x <i>Vanda</i> x <i>Vandopsis</i>
Meechaiara	Mchr	Ascocentrum x <i>Doritis</i> x <i>Phalaenopsis</i> x <i>Rhyncostylis</i> x <i>Vanda</i>
Moirara	Moir	<i>Phalaenopsis</i> x <i>Renanthera</i> x <i>Vanda</i>
Nakagawaara	Nkgwa	<i>Aerides</i> x <i>Doritis</i> x <i>Phalaenopsis</i>
Neostylopsis	Nsls	<i>Neofinetia</i> x <i>Phalaenopsis</i> x <i>Rhyncostylis</i>
Owensara	Owsr	<i>Doritis</i> x <i>Phalaenopsis</i> x <i>Renanthera</i>
Parnataara	Parn	<i>Aerides</i> x Arachnis x <i>Phalaenopsis</i>
Paulara	Pra	Ascocentrum x <i>Doritis</i> x <i>Phalaenopsis</i> x <i>Renanthera</i> x <i>Vanda</i>
Pepearara	Ppa	Ascocentrum x <i>Doritis</i> x <i>Phalaenopsis</i> x <i>Renanthera</i>
<i>Phalaenopsis</i>	Phal	<i>Phalaenopsis</i> x <i>Phalaenopsis</i>
<i>Phalaerianda</i>	Phda	<i>Aerides</i> x <i>Phalaenopsis</i> x <i>Vanda</i>
<i>Phalandopsis</i>	Phdps	<i>Phalaenopsis</i> x <i>Vandopsis</i>
<i>Phalanetia</i>	Phnta	<i>Neofinetia</i> x <i>Phalaenopsis</i>
<i>Phaliella</i>	Phlla	<i>Kingiella</i> x <i>Phalaenopsis</i>
<i>Pooleara</i>	Polra	Ascocentrum x Ascoglossum x <i>Phalaenopsis</i> x <i>Renanthera</i>
<i>Renanthopsis</i>	Rnthps	<i>Phalaenopsis</i> x <i>Renanthera</i>
<i>Rhynchonopsis</i>	Rhnps	<i>Phalaenopsis</i> x <i>Rhyncostylis</i>
<i>Rhyndoropsis</i>	Rhdps	<i>Doritis</i> x <i>Phalaenopsis</i> x <i>Rhyncostylis</i>
<i>Richardmizutaara</i>	Rcmza	Ascocentrum x <i>Phalaenopsis</i> x <i>Vandopsis</i>

Roseara	Rsra	Doritis x Kingiella x Phalaenopsis x Renanthera
Sappanara	Sapp	Arachnis x Phalaenopsis x Renanthera
Sarconopsis	Srnps	Phalaenopsis x Sarcochilus
Sidranara	Sidr	Ascocentrum x Phalaenopsis x Renanthera
Sladeara	Slad	Doritis x Phalaenopsis x Sarcochilus
Stamariaara	Stmra	Ascocentrum x Phalaenopsis x Renanthera x Vanda
Sutingara	Sut	Arachnis x Ascocentrum x Phalaenopsis x Vanda x Vandopsis
Trautara	Trta	Doritis x Luisia x Phalaenopsis
Trevorara	Trev	Arachnis x Phalaenopsis x Vanda
Trichonopsis	Trnps	Phalaenopsis x Trichoglottis
Uptonara	Upta	Phalaenopsis x Rhyncostylis x Sarcochilus
Vandaenopsis	Vdnps	Phalaenopsis x Vanda
Vandewegheara	Vwga	Ascocentrum x Doritis x Phalaenopsis x Vanda
Yapara	Yap	Phalaenopsis x Rhyncostylis x Vanda
Yeepengara	Ypga	Aerides x Phalaenopsis x Rhyncostylis x Vanda

***Cymbidiumbidium* hybrids and intergeneric hybrids involving *Cymbidiumbidium*.**

**Total number of hybrids in this group: approximately 10,650**

Ansieium	Asdm	Ansiella x Cymbidium
Cymbidasetum	Cymst	Cymbidium x Catasetum
Cymbidium	Cym	Cymbidium x Cymbidium
Cymphiella	Cymph	Cymbidium x Eulophiella
Grammatocymbidium	Grcym	Cymbidium x Grammatophyllum
Phaiocymbidium	Phcym	Cymbidium x Phaius
Thompsonara	Thmpa	Catasetum x Cymbidium x Grammatophyllum

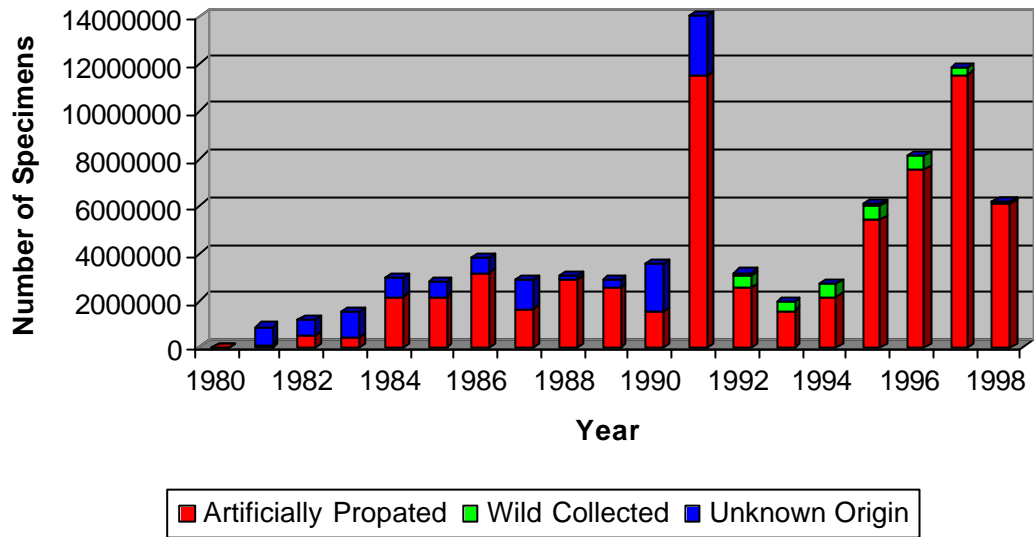
***Dendrobium* hybrids and intergeneric hybrids involving *Dendrobium*.**

**Total number of hybrids in this group: approximately 8,600**

Dendroberia	Denga	Dendrobium x Flickingeria
Dendrobium	Den	Dendrobium x Dendrobium



### Orchid Exports as Reported by CITES - All Parties



### Orchid Imports as Reported for CITES - All Parties

