

CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES
OF WILD FAUNA AND FLORA



Twenty-first meeting of the Plants Committee
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Interpretation and implementation of the Convention

Species trade and conservation

Non-detriment findings

Reporting on trade in artificially propagated plants

EMERGING TRADE IN ARTIFICIALLY PROPAGATED PLANTS

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Emerging trade in artificially propagated plants

Appendix II-listed taxa for which a ‘sharp increase’
in trade in artificially propagated specimens was
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Emerging trade in artificially propagated plants

This paper presents a list of taxa identified from an assessment of trade in artificially propagated plants that were characterised as “emerging in trade”.

The report ‘*Study of Reporting of Trade in Artificially Propagated Plants of Taxa included in CITES Appendix II*’ (UNEP-WCMC, 2013) identified 326 Appendix II-listed taxa for which a ‘sharp increase’ in trade in artificially propagated specimens was identified in 2009 or 2010 (see PC21 Doc. 16 Annex 3).

A ‘sharp increase’ is defined as follows: the taxon was reported in trade at a level of 100 or more artificially propagated specimens (e.g. individual live plants, roots, etc.) for commercial purposes in either 2009 or 2010, and the volume reported in either 2009 or 2010 was more than three times the average volume reported over the five preceding years.

Table 1: Taxa emerging in trade, i.e those showing a sharp increase in artificially propagated trade in 2009 or 2010.

Family	Taxon
Amaryllidaceae	<i>Galanthus ikariae</i>
Apocynaceae	<i>Pachypodium bispinosum</i>
	<i>Pachypodium brevicaule</i>
	<i>Pachypodium succulentum</i>
Araliaceae	<i>Panax quinquefolius</i>
Cactaceae	<i>Acanthocalycium spiniflorum</i>
	<i>Blossfeldia liliputana</i>
	<i>Cleistocactus hyalacanthus</i>
	<i>Copiapoa humilis</i>
	<i>Echinocereus enneacanthus</i>
	<i>Echinocereus fendleri</i>
	<i>Echinopsis bruchii</i>
	<i>Echinopsis eyriesii</i>
	<i>Echinopsis hybrid</i>
	<i>Epiphyllum anguliger</i>
	<i>Epiphyllum phyllanthus</i>
	<i>Ferocactus chrysacanthus</i>
	<i>Gymnocalycium stenopleurum</i>
	<i>Lepismium bolivianum</i>
	<i>Leuchtenbergia principis</i>
	<i>Mammillaria bocensis</i>
	<i>Mammillaria bombycina</i>
	<i>Mammillaria petrophila</i>
	<i>Mammillaria prolifera</i>
	<i>Mammillaria sheldonii</i>
	<i>Matucana aurantiaca</i>
	<i>Matucana krahni</i>
	<i>Matucana paucicostata</i>
	<i>Neobuxbaumia tetetzo</i>
	<i>Opuntia articulata</i>
	<i>Opuntia brasiliensis</i>
	<i>Opuntia polyacantha</i>
	<i>Opuntia rutila</i>
	<i>Opuntia subulata</i>
	<i>Parodia ottonis</i>
<i>Pygmaeocereus familiaris</i>	

Family	Taxon
	<i>Rebutia steinmannii</i>
	<i>Rhipsalis baccifera</i>
	<i>Rhipsalis cereuscula</i>
	<i>Rhipsalis ewaldiana</i>
	<i>Rhipsalis hybrid</i>
Cactaceae (cont.)	<i>Rhipsalis pilocarpa</i>
	<i>Rhipsalis teres</i>
	<i>Selenicereus grandiflorus</i>
	<i>Stenocactus multicosatus</i>
	<i>Stenocactus ochoterenanus</i>
Crassulaceae	<i>Dudleya traskiae</i>
Cycadaceae	<i>Cycas cairnsiana</i>
	<i>Cycas panzhihuaensis</i>
	<i>Cycas platyphylla</i>
Dicksoniaceae	<i>Cibotium barometz</i>
Euphorbiaceae	<i>Euphorbia aggregata</i>
	<i>Euphorbia atrispina</i>
	<i>Euphorbia colliculina</i>
	<i>Euphorbia franckiana</i>
	<i>Euphorbia globosa</i>
	<i>Euphorbia gorgonis</i>
	<i>Euphorbia heterochroma</i>
	<i>Euphorbia juglans</i>
	<i>Euphorbia moratii</i>
	<i>Euphorbia multifolia</i>
	<i>Euphorbia poissonii</i>
	<i>Euphorbia resinifera</i>
	<i>Euphorbia schoenlandii</i>
	<i>Euphorbia stellata</i>
	<i>Euphorbia stenoclada</i>
Liliaceae	<i>Aloe brevifolia</i>
	<i>Aloe pendens</i>
	<i>Aloe roeoeslii</i>
	<i>Aloe thraskii</i>
Nepenthaceae	<i>Nepenthes ampullaria</i>
	<i>Nepenthes glabratus</i>

Family	Taxon
	<i>Nepenthes gracillima</i>
	<i>Nepenthes</i> hybrid
	<i>Nepenthes insignis</i>
	<i>Nepenthes jacquelineae</i>
	<i>Nepenthes madagascariensis</i>
	<i>Nepenthes neoguineensis</i>
	<i>Nepenthes rafflesiana</i>
	<i>Nepenthes rhombicaulis</i>
	<i>Nepenthes treubiana</i>
Orchidaceae	<i>Acanthephippium mantinianum</i>
Orchidaceae (cont.)	<i>Aerides</i> hybrid
	<i>Aerides lawrenciae</i>
	<i>Amesiella minor</i>
	<i>Amesiella monticola</i>
	<i>Amesiella philippinensis</i>
	<i>Anoectochilus albolineatus</i>
	<i>Ansellia africana</i>
	<i>Arachnis</i> hybrid
	<i>Arundina graminifolia</i>
	<i>Ascocentropsis pusilla</i>
	<i>Ascocentrum</i> hybrid
	<i>Brassavola</i> hybrid
	<i>Brassia</i> hybrid
	<i>Broughtonia sanguinea</i>
	<i>Bulbophyllum aestivale</i>
	<i>Bulbophyllum alsiosum</i>
	<i>Bulbophyllum apodum</i>
	<i>Bulbophyllum arfakianum</i>
	<i>Bulbophyllum callipes</i>
	<i>Bulbophyllum catenulatum</i>
	<i>Bulbophyllum cernuum</i>
	<i>Bulbophyllum cootesii</i>
	<i>Bulbophyllum cornutum</i>
	<i>Bulbophyllum cumingii</i>
	<i>Bulbophyllum dayanum</i>
	<i>Bulbophyllum elevatopunctatum</i>
	<i>Bulbophyllum facetum</i>
	<i>Bulbophyllum fenixii</i>
	<i>Bulbophyllum foetidum</i>
	<i>Bulbophyllum</i> hybrid
	<i>Bulbophyllum lemniscatoides</i>
	<i>Bulbophyllum leptantense</i>
	<i>Bulbophyllum levanae</i>
	<i>Bulbophyllum lindleyanum</i>
	<i>Bulbophyllum loherianum</i>
	<i>Bulbophyllum makoyanum</i>
	<i>Bulbophyllum maquilingense</i>
	<i>Bulbophyllum membranaceum</i>
	<i>Bulbophyllum obtusipetalum</i>
	<i>Bulbophyllum ovalifolium</i>
	<i>Bulbophyllum papulosum</i>
	<i>Bulbophyllum pardalotum</i>
	<i>Bulbophyllum patella</i>
	<i>Bulbophyllum piestoglossum</i>
	<i>Bulbophyllum purpurascens</i>

Family	Taxon
	<i>Bulbophyllum skeatianum</i>
	<i>Bulbophyllum vaginatum</i>
	<i>Calanthe brevicornu</i>
	<i>Calanthe rubens</i>
	<i>Cattleya</i> hybrid
	<i>Chiloschista parishii</i>
	<i>Chroniochilus virescens</i>
	<i>Cirrhopetalum</i> hybrid
Orchidaceae (cont.)	<i>Cleisostoma duplilobum</i>
	<i>Coelogyne</i> hybrid
	<i>Coelogyne ovalis</i>
	<i>Coelogyne usitana</i>
	<i>Corybas geminigibbus</i>
	<i>Corybas hispidus</i>
	<i>Corybas pictus</i>
	<i>Cuitlauzina pendula</i>
	<i>Cynoches</i> hybrid
	<i>Cymbidium cyperifolium</i>
	<i>Cymbidium finlaysonianum</i>
	<i>Cymbidium</i> hybrid
	<i>Cypripedium flavum</i>
	<i>Cypripedium formosanum</i>
	<i>Cypripedium</i> hybrid
	<i>Cypripedium kentuckiense</i>
	<i>Cypripedium parviflorum</i>
	<i>Cypripedium reginae</i>
	<i>Cypripedium tibeticum</i>
	<i>Cyrtochilus</i> hybrid
	<i>Dactylorhiza maculata</i>
	<i>Dactylorhiza majalis</i>
	<i>Dactylorhiza praetermissa</i>
	<i>Dendrobium aloefolium</i>
	<i>Dendrobium amethystoglossum</i>
	<i>Dendrobium auriculatum</i>
	<i>Dendrobium bullenianum</i>
	<i>Dendrobium canaliculatum</i>
	<i>Dendrobium cathcartii</i>
	<i>Dendrobium ceraula</i>
	<i>Dendrobium cretaceum</i>
	<i>Dendrobium crocatum</i>
	<i>Dendrobium dearei</i>
	<i>Dendrobium equitans</i>
	<i>Dendrobium fairchildae</i>
	<i>Dendrobium friedericksianum</i>
	<i>Dendrobium grande</i>
	<i>Dendrobium hellwigianum</i>
	<i>Dendrobium hughii</i>
	<i>Dendrobium</i> hybrid
	<i>Dendrobium ionopus</i>
	<i>Dendrobium lanyai</i>
	<i>Dendrobium leonis</i>
	<i>Dendrobium masarangense</i>
	<i>Dendrobium nemorale</i>
	<i>Dendrobium olivaceum</i>
	<i>Dendrobium papilio</i>

Family	Taxon
	<i>Dendrobium primulinum</i>
	<i>Dendrobium purpureum</i>
	<i>Dendrobium rosellum</i>
	<i>Dendrobium sanderae</i>
	<i>Dendrobium sanderianum</i>
	<i>Dendrobium schuetzei</i>
Orchidaceae (cont.)	<i>Dendrobium sculptum</i>
	<i>Dendrobium stratiotes</i>
	<i>Dendrobium sutiknoi</i>
	<i>Dendrobium taurinum</i>
	<i>Dendrobium transparens</i>
	<i>Dendrobium uniflorum</i>
	<i>Dendrobium vannouhuysii</i>
	<i>Dendrobium victoriae-reginae</i>
	<i>Dendrochilum cootesii</i>
	<i>Dendrochilum uncatum</i>
	<i>Dresslerella caesariata</i>
	<i>Encyclia hybrid</i>
	<i>Epidendrum fimbriatum</i>
	<i>Epidendrum hybrid</i>
	<i>Epidendrum ibaguense</i>
	<i>Epidendrum mancum</i>
	<i>Epigeneium lyonii</i>
	<i>Epigeneium radicosum</i>
	<i>Epigeneium treacherianum</i>
	<i>Epigeneium triflorum</i>
	<i>Euchile citrina</i>
	<i>Euchile mariae</i>
	<i>Eulophia flava</i>
	<i>Flickingeria comata</i>
	<i>Galeandra nivalis</i>
	<i>Gastrochilus bellinus</i>
	<i>Gastrodia elata</i>
	<i>Goodyera pusilla</i>
	<i>Goodyera reticulata</i>
	<i>Goodyera viridiflora</i>
	<i>Grammatophyllum hybrid</i>
	<i>Grosourdyia appendiculata</i>
	<i>Habenaria carnea</i>
	<i>Habenaria lindleyana</i>
	<i>Habenaria myriotricha</i>
	<i>Habenaria rhodocheila</i>
	<i>Heterotaxis equitans</i>
	<i>Holcoglossum flavescens</i>
	<i>Holcoglossum kimballianum</i>
	<i>Laelia kautskyi</i>
	<i>Lepanthes gargantua</i>
	<i>Lepanthes quadricornis</i>
	<i>Masdevallia constricta</i>
	<i>Masdevallia erinacea</i>
	<i>Masdevallia hybrid</i>
	<i>Masdevallia mendozae</i>
	<i>Masdevallia norops</i>
	<i>Maxillaria fractiflexa</i>
	<i>Micropera utriculosa</i>

Family	Taxon
	<i>Microsaccus wenzelii</i>
	<i>Miltonia hybrid</i>
	<i>Myrmecophila albopurpurea</i>
	<i>Notylia manabina</i>
Orchidaceae (cont.)	<i>Oberonia setigera</i>
	<i>Odontoglossum hybrid</i>
	<i>Oncidium hybrid</i>
	<i>Oncidium pubes</i>
	<i>Orchis mascula</i>
	<i>Papilionanthe hookeriana</i>
	<i>Paraphalaenopsis hybrid</i>
	<i>Phalaenopsis bastianii</i>
	<i>Phalaenopsis equestris</i>
	<i>Phalaenopsis fasciata</i>
	<i>Phalaenopsis hieroglyphica</i>
	<i>Phalaenopsis hybrid</i>
	<i>Phalaenopsis lindenii</i>
	<i>Phalaenopsis lueddemanniana</i>
	<i>Phalaenopsis mariae</i>
	<i>Phalaenopsis pallens</i>
	<i>Phalaenopsis pulchra</i>
	<i>Phalaenopsis sanderiana</i>
	<i>Phalaenopsis schilleriana</i>
	<i>Phalaenopsis stuartiana</i>
	<i>Platystele umbellata</i>
	<i>Pleione chunii</i>
	<i>Pleione grandiflora</i>
	<i>Pleurothallis recurva</i>
	<i>Pleurothallis ruberrima</i>
	<i>Porpax lanii</i>
	<i>Psychopsis hybrid</i>
	<i>Pteroceras pallidum</i>
	<i>Pteroceras semiteretifolium</i>
	<i>Pteroceras unguiculatum</i>
	<i>Renanthera elongata</i>
	<i>Renanthera hybrid</i>
	<i>Renanthera philippinensis</i>
	<i>Rhynchostele aptera</i>
	<i>Rhynchostylis hybrid</i>
	<i>Robiquetia cerina</i>
	<i>Schomburgkia hybrid</i>
	<i>Schomburgkia moyobambae</i>
	<i>Schomburgkia thomsoniana</i>
	<i>Seidenfadenia mitrata</i>
	<i>Sobralia yauaperyensis</i>
	<i>Stauorchilus fasciatus</i>
	<i>Stauorchilus ionosma</i>
	<i>Stauorchilus loherianus</i>
	<i>Stauorchilus luzonensis</i>
	<i>Stenoglottis hybrid</i>
	<i>Sunipia grandiflora</i>
	<i>Thrixspermum robinsonii</i>
	<i>Trichocentrum albococcineum</i>
	<i>Trichocentrum microchilum</i>
	<i>Trichocentrum nudum</i>

Family	Taxon
	<i>Trichoglottis latisepala</i>
	<i>Trichoglottis philippinensis</i>
Orchidaceae (cont.)	<i>Trichopilia marginata</i>
	<i>Tuberolabium kotoense</i>
	<i>Vanda coerulea</i>
	<i>Vanda dearei</i>
	<i>Vanda helvola</i>
	<i>Vanda hybrid</i>
	<i>Vanda insignis</i>
	<i>Vanda merrillii</i>
	<i>Vanda roeblingiana</i>
	<i>Vanda scandens</i>
	<i>Vanda stangeana</i>
	<i>Vanda testacea</i>
	<i>Vandopsis lissochiloides</i>
	<i>Vandopsis undulata</i>
	<i>Zamia hybrid</i>

Family	Taxon
	<i>Zygopetalum hybrid</i>
Orobanchaceae	<i>Cistanche deserticola</i>
Portulacaceae	<i>Anacampseros rufescens</i>
Portulacaceae	<i>Anacampseros telephiastrum</i>
Primulaceae	<i>Cyclamen cilicium</i>
	<i>Cyclamen pseudibericum</i>
Sarraceniaceae	<i>Sarracenia alata</i>
	<i>Sarracenia farnhamii</i>
	<i>Sarracenia leucophylla</i>
	<i>Sarracenia psittacina</i>
Scrophulariaceae	<i>Picrorhiza kurrooa</i>
Thymelaeaceae	<i>Aquilaria malaccensis</i>
Zamiaceae	<i>Dioon edule</i>
	<i>Dioon spinulosum</i>
	<i>Lepidozamia peroffskyana</i>
	<i>Macrozamia moorei</i>
	<i>Zamia floridana</i>

