CONVENTION SUR LE COMMERCE INTERNATIONAL DES ESPÈCES
DE FAUNE ET DE FLORE SAUVAGES MENACÉES D'EXTINCTION

_____

Vingt et unième session du Comité pour les plantes
Veracruz (Mexique), 2-8 mai 2014

Interprétation et application de la Convention

Respect de la Convention et lutte contre la fraude

Étude du commerce important de spécimens d'espèces inscrites à l'Annexe II
[résolution Conf. 12.8 (Rev.CoP13)]

SÉLECTION D'ESPÈCES POUR DES ÉTUDES DE COMMERCE APRÈS LA COP16

1. Le présent document a été préparé par le Secrétariat.

2. Dans le premier paragraphe du dispositif de la résolution Conf. 12.8 (Rev. CoP13), *Étude du commerce important de spécimens d'espèces de l'Annexe II*, la Conférence des Parties:

> *CHARGE le Comité pour les animaux et le Comité pour les plantes, en coopération avec le Secrétariat et des spécialistes, et en consultation avec les Etats des aires de répartition, d'examiner les informations biologiques, commerciales et autres, relatives aux espèces inscrites à l'Annexe II faisant l'objet d'un commerce important, dans le but de déceler les problèmes d'application de l'Article IV, paragraphes 2 a), 3 et 6 a)*...

3. Conformément au paragraphe a) de cette résolution, sous *Concernant la conduite de l'étude du commerce important*, le Secrétariat demande au PNUE-WCMC de produire un résumé des statistiques des rapports annuels fondé sur la base de données sur le commerce CITES, indiquant le niveau net des exportations enregistrées d'espèces inscrites à l'Annexe II pour les cinq années les plus récentes pour lesquelles des données raisonnablement complètes sont disponibles (2008-2013). Le rapport du PNUE-WCMC est joint (en anglais seulement) en annexe 1 au présent document. Les données brutes utilisées pour préparer ce résumé sont disponibles dans le document PC21 Inf. 2.

4. Dans la résolution Conf. 12.8 (Rev. CoP13) également, au paragraphe b) de la section intitulée 'Sélection des espèces à étudier', la Conférence des Parties charge le Comité pour les plantes, sur la base des niveaux de commerce enregistrés et des informations dont il dispose, le Secrétariat, les Parties ou d'autres spécialistes pertinents, de sélectionner pour étude les espèces dont il faut se préoccuper en priorité (qu'elles aient ou non fait l'objet d'une précédente étude).

5. Afin d'aider le Comité pour les plantes dans son choix, et s'appuyant sur une analyse semblable entreprise pour le Comité pour les animaux en 2008, le PNUE-WCMC a mis au point un processus permettant d'identifier les espèces candidates à l'étude. Le processus est fondé sur une analyse à long terme du commerce et décrit dans l'annexe 2 au présent document (en anglais seulement). Cette annexe contient aussi un résuméde l'analyse à long terme du commerce et une liste des éventuelles espèces candidates ainsi identifiées.

6. Le Comité est invité à sélectionner pour étude les espèces dont il faut se préoccuper en priorité.

Recorded Net Exports of Appendix-II Flora 2007-2011

To comply with the specifications of Resolution Conf. 12.8 (Rev. CoP13), an initial data output was produced comprising net exports of Appendix-II species over the most recent five year period for which near-complete data is available (2007-2011). Data from 2012 were excluded because at the time of the data extraction (2 December 2013), only 40% of annual reports had been received (72 out of the 180 Parties to CITES); however, 2012 data can be viewed within the dataset provided in PC21 Inf. 2. This output only contains direct trade reported as wild-collected ('W'), ranched ('R'), unknown ('U') or without a source reported. A full list of terms traded is available in the CITES Trade Database interpretation guide, see:. www.unep-wcmc-apps.org/citestrade/docs/EN-CITES_Trade_Database_Guide.pdf. Terms traded at levels averaging less than one item over the five year period have been excluded from the output. Quantities recorded have been rounded to the nearest decimal place, when applicable.

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
AMARYLLIDACEAE								
Galanthus alpinus	ROO		20			16		7.2
Galanthus alpinus var. alpinus	ROO					44		8.8
Galanthus elwesii	LIV		5700000	5104120	2912615	4235840	5250000	4640515
Galanthus elwesii	ROO				5600000		4329975	1985995
Galanthus kemulariae	ROO					37		7.4
Galanthus ketzhovelii	ROO					27		5.4
Galanthus krasnovii	ROO					20		4
Galanthus lagodechianus	ROO		10			50		12
Galanthus platyphyllus	ROO					13		2.6
Galanthus rizehensis	ROO					24		4.8
Galanthus schaoricus	ROO					26		5.2
Galanthus woronowii	LIV		2000000	16817942	7920920	10106242	3000000	7969020.8
Galanthus woronowii	ROO		15000020		17999195	55	15000000	9599854
ANACARDIACEAE								
Operculicarya hyphaenoides	LIV						275	55
Operculicarya pachypus	LIV					100	256	71.2
APOCYNACEAE								
Apocynaceae spp.	DPL					6		1.2
Hoodia gordonii	DER	flasks	6	12				3.6
Hoodia gordonii	DER	kg	66.1	298.8	66.1	67.8	1941.1	488
Hoodia gordonii	DER	l				25		5
Hoodia gordonii	DER		360			150		102
Hoodia gordonii	DPL	kg	454	30030.8				6097
Hoodia gordonii	EXT	kg	140	250	0	21.8	60	94.4
Hoodia gordonii	EXT	l				5	2	1.4
Hoodia gordonii	EXT						300	60
Hoodia gordonii	LIV		5					1
Hoodia gordonii	LVS	kg	30			40		14
Hoodia gordonii	MED	kg				1002.2	75	215.4
Hoodia gordonii	POW	kg	23384.5	32485.3	2275	14815.4	6049.9	15802
Hoodia gordonii	POW					3000		600
Hoodia gordonii	ROO	kg	60					12
Hoodia gordonii	SEE		30010000	15000000				9002000
Hoodia gordonii	STE	kg			200			40
Hoodia pilifera	LIV		20					4
Hoodia spp.	DER	kg			0.9		4.5	1.1
Pachypodium baronii	LIV					13		2.6
Pachypodium bispinosum	LIV		1640				30	334

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Pachypodium brevicaule	LIV		658	1499	110	850	770	777.4
Pachypodium densiflorum	LIV		1218	380	190	300	375	492.6
Pachypodium eburneum	LIV						50	10
Pachypodium horombense	LIV		158	247		230	155	158
Pachypodium inopinatum	LIV						71	14.2
Pachypodium itremensis	LIV					100		20
Pachypodium lamerei	LIV		800					160
Pachypodium makayense	LIV			62	50	30	148	58
Pachypodium rosulatum	LIV		1062	165	105	8	109	289.8
Pachypodium rutenbergianum	LIV		10					2
Pachypodium spp.	LIV		884	777	220	351	497	545.8
Pachypodium spp.	SEE			52000				10400
Pachypodium succulentum	LIV		40				30	14
Rauvolfia serpentina	ROO	kg	4900	1000	5037	670.5	230.8	2367.7
ARALIACEAE								
Panax quinquefolius	MED	kg					236.9	47.4
Panax quinquefolius	ROO	kg	25256	12993.5	46720.1	30889.6	22741	27720.1
Panax quinquefolius	ROO					32	3	7
BERBERIDACEAE								
Podophyllum hexandrum	EXT	kg				702		140.4
BROMELIACEAE								
Tillandsia kautskyi	LIV						50	10
Tillandsia sucrei	LIV						30	6
Tillandsia xerographica	LIV						135	27
CACTACEAE								
Astrophytum myriostigma	LIV					7		1.4
Astrophytum myriostigma	SEE	kg	200					40
Blossfeldia liliputana	LIV		40					8
Cactaceae spp.	DPL		298	2	4			60.8
Cactaceae spp.	EXT				6			1.2
Cactaceae spp.	LIV		1	10			69	16
Cactaceae spp.	SPE				8	4	5	3.4
Carnegiea gigantea	STE	kg					5600	1120
Carnegiea gigantea	TIM	kg					2800	560
Carnegiea gigantea	TIP		40000					8000
Copiapoa cinerascens	STE			5				1
Copiapoa cinerea	STE			5				1
Copiapoa serpentisulcata	LIV				30			6
Corryocactus brevistylus	CAR		1568			1300		573.6
Corryocactus brevistylus	STE		4858	1650	735	430	1370	1808.6
Corryocactus brevistylus ssp. puquiensis	STE				490			98
Corryocactus pulquinensis	STE		750	400				230
Coryphantha radians	SEE	kg	200					40
Disocactus aurantiacus	LIV			5				1
Echinocactus horizonthalonius	LIV					17		3.4
Echinocactus platyacanthus	SEE	kg	200			0.2		40
Echinocactus texensis	LIV					12		2.4
Echinopsis chamaecereus	LIV						400	80
Echinopsis chiloensis	CAR	m					5337.5	1067.5
Echinopsis chiloensis	CAR			13299	9622	3722	440	5416.6
Echinopsis chiloensis	DPL			900				180
Echinopsis chiloensis	LIV				40	42		16.4
Echinopsis chiloensis	STE	m	15093	13703	10882.1	11683.6		10272.3
Echinopsis chiloensis	STE		28180	3225	4925	500	300	7426
Echinopsis chiloensis	TIM					2050	4825	1375
Echinopsis hertrichiana	LIV		10					2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Echinopsis mamillosa	LIV		10					2
Echinopsis marsoneri	LIV		10					2
Echinopsis pachanoi	BAR	kg		70	10			16
Echinopsis pachanoi	DER				200			40
Echinopsis pachanoi	POW	kg	136.9			189.6	236.8	112.7
Echinopsis pachanoi	STE	kg	125			78.9	32.1	47.2
Echinopsis pachanoi	STE		1250	400		3406		1011.2
Echinopsis pachanoi	TIM	kg		25				5
Echinopsis peruviana	CAR		850					170
Echinopsis peruviana	DER				370			74
Echinopsis peruviana	DPL					196		39.2
Echinopsis peruviana	LIV			40				8
Echinopsis peruviana	STE			110				22
Echinopsis peruviana	TIM						184	36.8
Echinopsis peruviana puquiensis	CAR					400		80
Echinopsis peruviana puquiensis	STE		1536	2000	850	1961	980	1465.4
Echinopsis spp.	STE		110			10		24
Echinopsis tegeleriana	LIV		10					2
Epithelantha micromeris	LIV					6		1.2
Eriosyce islayensis	LIV		20					4
Eulychnia acida	CAR	m					22111.6	4422.3
Eulychnia acida	CAR			23163	22846	31115	12650	17954.8
Eulychnia acida	DER		160	695	665	731	15	453.2
Eulychnia acida	DPL				1948	800	565	662.6
Eulychnia acida	LIV				50	42		18.4
Eulychnia acida	STE	kg			1500	2556	2295	1270.2
Eulychnia acida	STE	m	44612	38662	30268.7	32070.9		29122.7
Eulychnia acida	STE		72911	12101	13810	2029		20170.2
Eulychnia acida	TIM					3712	1720	1086.4
Eulychnia breviflora	STE			16				3.2
Ferocactus gracilis	LIV					5		1
Ferocactus histrix	SEE	kg	200					40
Frailea castanea	LIV					10		2
Geohintonia mexicana	LIV					14		2.8
Harrisia nashii	DPL			50				10
Harrisia nashii	FLO					7		1.4
Harrisia nashii	STE					15		3
Hatiora spp.	SPE			10				2
Lepismium spp.	SPE			10				2
Mammillaria bocasana	SEE	kg	200					40
Mammillaria herrerae	LIV					5		1
Mammillaria plumosa	LIV						600	120
Matucana formosa	LIV		10					2
Matucana krahnii	LIV		10					2
Matucana paucicostata	LIV		10					2
Melocactus spp.	DPL			50				10
Myrtillocactus geometrizans	SEE	kg	200			0.4		40.1
Myrtillocactus schenckii	SEE	kg	200			0.2		40
Obregonia denegrii	SEE	kg	200					40
Opuntia caribaea	DPL			50				10
Opuntia cholla	POW	kg			2200			440
Opuntia cochenillifera	STE	kg				25		5
Opuntia echios	DER			195				39
Opuntia echios	SPE			195				39
Opuntia engelmannii	FRU		60					12
Opuntia ficus-indica	DPL	kg	2000	2000	2500	6000		2500
Opuntia ficus-indica	FLO	kg	2000	9020		13828	13860	7741.6

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Opuntia fulgida	SPE		15					3
Opuntia fulgida	STE	kg				1100		220
Opuntia galapageia	DER			12				2.4
Opuntia galapageia	SPE			12				2.4
Opuntia imbricata	STE	kg					6000	1200
Opuntia imbricata	TIP	kg	8797					1759.4
Opuntia insularis	DER			10				2
Opuntia insularis	SPE			10				2
Opuntia megasperma	DER			5				1
Opuntia megasperma	SPE			5				1
Opuntia moniliformis	DPL			50				10
Opuntia spp.	DER	flasks		6960				1392
Opuntia spp.	DER				4800			960
Opuntia spp.	STE	kg		30000	45000		10678	17135.6
Opuntia spp.	STE	m^3			23			4.6
Opuntia spp.	STE			4800	60			972
Opuntia spp.	TIM	kg	54727					10945.4
Opuntia spp.	TIP	kg	75000					15000
Opuntia streptacantha	BOD	kg				300		60
Opuntia streptacantha	DER	kg					500	100
Opuntia streptacantha	DPL	kg		300		900		240
Opuntia streptacantha	POW	kg			1800	600		480
Opuntia streptacantha	STE	kg		300				60
Oroya peruviana	LIV		20					4
Pachycereus marginatus	STE						1000	200
Pachycereus schottii	STE		10	3				2.6
Parodia erinacea	LIV		20					4
Pelecyphora strobiliformis	SEE	kg	200					40
Polaskia chende	SEE	kg	200					40
Polaskia chichipe	SEE	kg	200					40
Rebutia albopectinata	LIV		10					2
Rebutia mentosa	LIV		10					2
Rhipsalis baccifera	DPL		5					1
Rhipsalis spp.	SPE			320				64
Schlumbergera spp.	LIV			6				1.2
Schlumbergera spp.	SPE			10				2
Sclerocactus spp.	LIV			5	5			2
Selenicereus grandiflorus	FLO	kg					6000	1200
Stenocereus alamosensis	STE		20	13	10			8.6
Stenocereus gummosus	STE		20	10	10			8
Stenocereus thurberi	STE		5	10	10			5
CUCURBITACEAE								
Zygosicyos tripartitus	LIV						55	11
CYATHEACEAE								
Cyathea arborea	FIB	m^3	26				116.6	28.5
Cyathea australis	LIV		341	320	7588	295		1708.8
Cyathea brownii	LIV		10					2
Cyathea colensoi	LIV					100		20
Cyathea concinna	STE	kg					6677	1335.4
Cyathea contaminans	CAR				160			32
Cyathea contaminans	CHP	kg		56700	43560			20052
Cyathea contaminans	DER		1250		183898			37029.6
Cyathea contaminans	SAW	kg					18442	3688.4
Cyathea contaminans	SAW						10	2
Cyathea contaminans	STE	kg	77150			28000		21030
Cyathea contaminans	STE		42700					8540
Cyathea contaminans	TIP	kg	505141.6	299549.8		241469	187927	246817.5
Cyathea corcovadensis	LVS						10	2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Cyathea cunninghamii	LIV		23			5	156	36.8
Cyathea dealbata	LIV		810	350	504	226	236	425.2
Cyathea dregei	LIV		20					4
Cyathea lepifera	CHP		2072					414.4
Cyathea lepifera	LIV		620					124
Cyathea lepifera	POW		57					11.4
Cyathea lepifera	TIM		1100					220
Cyathea medullaris	DPL	kg		1000	1265	500	3	553.6
Cyathea medullaris	EXT	kg			70	500	10	116
Cyathea medullaris	LIV		794	425	300	115	252	377.2
Cyathea medullaris	POW	kg		2000	870			574
Cyathea sechellarum	SPE		11					2.2
Cyathea smithii	LIV			95	130		243	93.6
Cyathea spp.	CAR		181			2		36.6
Cyathea spp.	DPL	kg	14308	5990	4000		1950	5249.6
Cyathea spp.	DPL		218	25074	25011	10	91	10080.8
Cyathea spp.	FIB	m^3	123.8	230.4	21			75
Cyathea spp.	FPT	m^3				39		7.8
Cyathea spp.	LIV		260			246		101.2
Cyathea spp.	LOG		150					30
Cyathea spp.	LVS			12	20		25	11.4
Cyathea spp.	SPE			64	1	10	91	33.2
Cyatheaceae spp.	CAR		109			20	4	26.6
Cyatheaceae spp.	DPL		488	16		2		101.2
Cyatheaceae spp.	LIV		143	3				29.2
Cyatheaceae spp.	SPE		19				8	5.4
CYCADACEAE								
Cycadaceae spp.	DPL		5					1
Cycadaceae spp.	LIV				7			1.4
Cycadaceae spp.	SEE			15000				3000
Cycas revoluta	LIV	kg					1253430.1	250686
Cycas revoluta	LIV		7	295	8946	48000	78690	27187.6
Cycas revoluta	LVS						22100	4420
Cycas revoluta	STE						600	120
Cycas spp.	DPL		70					14
Cycas spp.	LIV				4	50	6	12
Cycas thouarsii	LIV		150	1				30.2
DICKSONIACEAE								
Cibotium barometz	DER				12			2.4
Cibotium barometz	DPL	kg		67500	47000	1100	180300	59180
Cibotium barometz	DPL					1796500		359300
Cibotium barometz	LIV	kg				1000		200
Cibotium barometz	ROO	kg	61000	68500	87196	146976		72734.4
Cibotium barometz	TIP	kg	500					100
Cibotium barometz	TIP					500		100
Dicksonia antarctica	LIV		456					91.2
Dicksonia brackenridgei	LIV			13881		210		2818.2
Dicksonia spp.	DPL		7	5	5	5	6	5.6
Dicksonia spp.	LIV	kg	1575					315
Dicksonia spp.	LIV		133832					26766.4
Dicksonia spp.	SPE					5	6	2.2
Dicksoniaceae spp.	DPL		24					4.8
DIDIEREACEAE								
Alluaudia ascendens	LIV		720					144
Alluaudia dumosa	LIV		40					8
Alluaudia humbertii	DPL		1			4		1
Alluaudia procera	LIV		27					5.4
Alluaudia procera	LVS		1		5			1.2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Didierea trollii	LIV		60			50		22
EUPHORBIACEAE								
Euphorbia abdelkuri	DPL	kg			70			14
Euphorbia alata	LIV				5			1
Euphorbia albipollinifera	LIV		25					5
Euphorbia ankarensis	LIV		82			10		18.4
Euphorbia antiquorum	WAX	kg			34000		15000	9800
Euphorbia antisyphilitica	DER	kg			10060.9	0.7	1000	2212.3
Euphorbia antisyphilitica	DER				1422	893		463
Euphorbia antisyphilitica	DPL	kg		15000				3000
Euphorbia antisyphilitica	EXT	kg				39.4		7.9
Euphorbia antisyphilitica	EXT				1230	2364		718.8
Euphorbia antisyphilitica	STE	kg					10	2
Euphorbia antisyphilitica	WAX	kg	689200	1005865	1625520.8	1777703	1572473.5	1334152.5
Euphorbia antisyphilitica	WAX				10368	3732	20000	6820
Euphorbia antso	LIV		5			10		3
Euphorbia astrophora	LIV		25					5
Euphorbia aureoviridiflora	LIV			100				20
Euphorbia bongolavensis	LIV		10		10			4
Euphorbia braunsii	LIV		15				80	19
Euphorbia bubalina	LIV						10	2
Euphorbia bupleurifolia	LIV		5				755	152
Euphorbia capmanambatoensis	LIV		5					1
Euphorbia colliculina	LIV		62					12.4
Euphorbia crassipes	LIV		25					5
Euphorbia croizatii	LIV		200					40
Euphorbia ecklonii	LIV						70	14
Euphorbia fusca	LIV		60					12
Euphorbia geroldii	LIV		2120					424
Euphorbia globosa	LIV						526	105.2
Euphorbia gorgonis	LIV		15				1130	229
Euphorbia gracilicaulis	LIV			100				20
Euphorbia guillauminiana	DER						10	2
Euphorbia guillauminiana	LIV		218	120		45	180	112.6
Euphorbia guillemetii	LIV				10			2
Euphorbia hedyotoides	LIV		75	60	20			31
Euphorbia hofstaetteri	LIV		14					2.8
Euphorbia horombensis	LIV				50	50		20
Euphorbia hybrid	LIV					10		2
Euphorbia iharanae	LIV		200					40
Euphorbia inermis	LIV						35	7
Euphorbia itremensis	LIV		290	125	150	310	180	211
Euphorbia kondoi	LIV		15	10		10		7
Euphorbia labatii	LIV		150		150	80	200	116
Euphorbia leucodendron	DPL					8		1.6
Euphorbia lophogona	LIV		750			20		154
Euphorbia mahabobokensis	LIV			50				10
Euphorbia mainty	LIV			100				20
Euphorbia meridionalis	LIV						50	10
Euphorbia milii	LIV		10		10			4
Euphorbia milii var. tananarivae	LIV					20		4
Euphorbia milii var. tenuispina	LIV					10		2
Euphorbia millotii	LIV			100				20
Euphorbia multiceps	LIV		81				7	17.6
Euphorbia multifolia	LIV		129					25.8
Euphorbia neohumbertii	LIV					10		2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Euphorbia pachypodioides	LIV		65			10		15
Euphorbia paulianii	LIV				60	10		14
Euphorbia pedilanthoides	LIV		35			10		9
Euphorbia perrieri	LIV		20					4
Euphorbia polygona	LIV						5	1
Euphorbia primulifolia	LIV		292	478	310	690	485	451
Euphorbia primulifolia var. begardii	LIV		200			20	80	60
Euphorbia razafindratsirae	LIV		43	10		10		12.6
Euphorbia sakarahaensis	LIV		24			10		6.8
Euphorbia schoenlandii	LIV		75					15
Euphorbia silenifolia	LIV						25	5
Euphorbia spp.	DER	kg					1000	200
Euphorbia spp.	DPL		68	22		253	4	69.4
Euphorbia spp.	EXT					694		138.8
Euphorbia spp.	LIV		325	22		19	12	75.6
Euphorbia spp.	LVS				93			18.6
Euphorbia spp.	SEE			600				120
Euphorbia spp.	SPE			68	712	107	40	185.4
Euphorbia spp.	STE					30		6
Euphorbia spp.	WAX	kg			1000	1000		400
Euphorbia squarrosa	LIV						50	10
Euphorbia stellata	LIV						2050	410
Euphorbia stellispina	LIV		65					13
Euphorbia susannae	LIV		40					8
Euphorbia suzannae-marnierae	LIV		30	30		10		14
Euphorbia tirucalli	LVS				48			9.6
Euphorbia viguieri	LIV		300			20		64
Euphorbia waringiae	LIV		3860	10		10		776
HAEMODORACEAE								
Anigozanthos rufus	DPL		375					75
LAURACEAE								
Aniba rosaeodora	OIL	kg				97		19.4
LEGUMINOSAE								
Caesalpinia echinata	LVS					9		1.8
Pericopsis elata	CAR		15					3
Pericopsis elata	LIV					27.6		5.5
Pericopsis elata	LOG	m^3	16511.6	17186.6	11297.1	1428.7	2550.7	9795
Pericopsis elata	LOG			140.4				28.1
Pericopsis elata	SAW	m^3	10655	7199.5	5564.6	11258.5	8627	8660.9
Pericopsis elata	SAW					21.4		4.3
Pericopsis elata	TIM	m^3	799.7	76	732.3	428.9	865	580.4
Pericopsis elata	VEN	m2	3953.4					790.7
Pericopsis elata	VEN	m^3			5.2	5.2	10.5	4.2
Pterocarpus santalinus	LOG	kg	25000	177490	28600	13073		48832.6
Pterocarpus santalinus	UNS	kg					16.5	3.3
LILIACEAE								
Aloe arborescens	LIV		200					40
Aloe arborescens	LVS	kg			7000			1400
Aloe arborescens	POW	kg		10600	13260	8515	7800	8035
Aloe betsileensis	LIV				10			2
Aloe capitata var. capitata	LIV				5			1
Aloe ciliaris	LIV		200					40
Aloe compressa	LIV				5			1
Aloe deltoideodonta	LIV		510					102
Aloe ferox	DER	kg	1985.5	25523.8	20054.8	64000.2	22408.3	26794.5
Aloe ferox	DER	l	20		14400		2915	3467
Aloe ferox	DER		15047	22151	12265	14966	13990	15683.8

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Aloe ferox	DPL	kg				500		100
Aloe ferox	DPL				6820	11660	1500	3996
Aloe ferox	EXT	kg	376998.3	308465.4	320167.5	368557.6	476085.4	370054.8
Aloe ferox	EXT	l	85233.1	51050	62030.7	66788	31890	59398.4
Aloe ferox	EXT		984	626	1256	2044	970	1176
Aloe ferox	LIV		202	1				40.6
Aloe ferox	LVS	kg	24043	33115.1	10100	15890	4500	17529.6
Aloe ferox	LVS		108190	66425	60981	118300	100060	90791.2
Aloe ferox	MED	kg				189		37.8
Aloe ferox	POW	kg	40928	32299	238295	46577.2	68378	85295.4
Aloe ferox	STE					9606		1921.2
Aloe fleurentinorum	LIV		200					40
Aloe fragilis	LIV		300					60
Aloe inexpectata	LIV						50	10
Aloe itremensis	DPL			7				1.4
Aloe macroclada	LVS					5	6	2.2
Aloe perrieri	LIV		250					50
Aloe pronkii	LIV						50	10
Aloe spp.	DPL			6		4		2
Aloe spp.	LIV		384	130			100	122.8
Aloe spp.	SEE			1300				260
MELIACEAE								
Swietenia humilis	SAW	m^3	121.1	401	271	127	32.2	190.5
Swietenia macrophylla	CAR	kg			454.6			90.9
Swietenia macrophylla	CAR	m^3			390.5		3	78.7
Swietenia macrophylla	CAR				7102			1420.4
Swietenia macrophylla	DER	kg		1360.8				272.2
Swietenia macrophylla	LOG	m^3	200.9	175.5	139.9		64	116.1
Swietenia macrophylla	LVS				10			2
Swietenia macrophylla	PLY	m^3	11.3			44.9		11.2
Swietenia macrophylla	SAW	kg		65000				13000
Swietenia macrophylla	SAW	m2		2000	36.6			407.3
Swietenia macrophylla	SAW	m^3	30082.6	27898.7	9801.6	57551.3	6677	26402.2
Swietenia macrophylla	SAW			13009.9				2602
Swietenia macrophylla	SPE					5		1
Swietenia macrophylla	TIM	kg		680			35271.3	7190.3
Swietenia macrophylla	TIM	m^3	1388.7	21912.3	2911.2	25960.8	745.8	10583.8
Swietenia macrophylla	VEN	m2	14900	3340				3648
Swietenia macrophylla	VEN	m^3		66	6		17.2	17.8
Swietenia mahagoni	SAW	kg			160			32
Swietenia mahagoni	SPE				64			12.8
Swietenia mahagoni	TIM	kg	18143.7					3628.7
Swietenia mahagoni	VEN	kg		13.6	10.4		5.8	6
Swietenia spp.	LIV						9891.2	1978.2
NEPENTHACEAE								
Nepenthes ampullaria	DPL		4		10			2.8
Nepenthes ampullaria	LIV		35					7
Nepenthes ampullaria	SPE		30		10			8
Nepenthes bicalcarata	DPL				410	200		122
Nepenthes bicalcarata	LIV		5					1
Nepenthes bicalcarata	POW						40	8
Nepenthes bicalcarata	SPE				10			2
Nepenthes gracilis	DPL		3		10			2.6
Nepenthes gracilis	SPE				10			2
Nepenthes hirsuta	LIV		15					3
Nepenthes maxima	LIV		18					3.6
Nepenthes mirabilis	DPL			1	10			2.2
Nepenthes mirabilis	LIV		12					2.4

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Nepenthes mirabilis	SPE				10			2
Nepenthes rafflesiana	DPL		7		115			24.4
Nepenthes rafflesiana	LIV		34					6.8
Nepenthes rafflesiana	SPE				20			4
Nepenthes spp.	FLO				40			8
Nepenthes spp.	LIV		47	704	93	2		169.2
Nepenthes sumatrana	LIV		10					2
Nepenthes truncata	LIV		20					4
Nepenthes veitchii	LIV		10			10		4
Nepenthes ventricosa	LIV		14			1		3
ORCHIDACEAE								
Aa spp.	DPL		7	2				1.8
Acriopsis spp.	FLO			6				1.2
Acriopsis spp.	LIV			6				1.2
Ada ocanensis	DPL					60		12
Ada spp.	DPL		4	2				1.2
Aerangis articulata	LIV			30				6
Aerangis citrata	LIV			2			10	2.4
Aerangis cryptodon	LIV		23					4.6
Aerangis curnowiana	LIV		20		20	20	20	16
Aerangis fastuosa	LIV		9	2	1			2.4
Aerangis fuscata	LIV		2	10		10	20	8.4
Aerangis hyaloides	LIV		18	2		20		8
Aerangis modesta	LIV			10				2
Aerangis pallidiflora	LIV						6	1.2
Aerangis punctata	LIV						6	1.2
Aerangis spp.	LIV		4		250			50.8
Aeranthes caudata	LIV		3				6	1.8
Aeranthes grandiflora	LIV		5	13				3.6
Aeranthes henrici	LIV		33	30	30	40	40	34.6
Aeranthes henrici	LVS		201					40.2
Aeranthes henrici	SEE			27				5.4
Aeranthes henrici	SPE			5				1
Aeranthes ramosa	LIV		22	46	21	20	26	27
Aeranthes spp.	DPL		5					1
Agrostophyllum spp.	FLO			55				11
Agrostophyllum spp.	LIV			15				3
Anacamptis papilionacea	DPL					400		80
Anacamptis sancta	SEE					400		80
Angraecum appendiculoides	LIV						6	1.2
Angraecum breve	LIV			10				2
Angraecum calceolus	LIV						6	1.2
Angraecum compactum	LIV		20	21	10	20	10	16.2
Angraecum drouhardii	LIV			20				4
Angraecum eburneum ssp. superbum var. longicalcar	LVS					83		16.6
Angraecum equitans	LIV			15				3
Angraecum germinyanum	LIV		3	15	1			3.8
Angraecum leonis	LIV		1	5	2			1.6
Angraecum magdalenae	LIV		2			10	10	4.4
Angraecum obesum	LIV		20	20				8
Angraecum pseudofilicornu	LIV		3	10			10	4.6
Angraecum ramosum	LIV		1	10				2.2
Angraecum rutenbergianum	LIV		2	20	1			4.6
Angraecum sedifolium	SPE				108			21.6
Angraecum sesquipedale	LIV		4	2				1.2
Angraecum sesquipedale	LVS		18	150		141		61.8
Angraecum sororium	LIV			10				2
Angraecum spp.	DPL		12	2		7		4.2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Angraecum spp.	LIV			10	650	6		133.2
Angraecum spp.	SPE	kg		6.6	0.5			1.4
Angraecum teretifolium	LIV		22	20			10	10.4
Angraecum viguieri	LIV		21	20				8.2
Appendicula spp.	FLO			20				4
Ascocentrum miniatum	LIV		5					1
Aspasia spp.	LVS						13	2.6
Beclardia macrostachya	LIV		13				10	4.6
Bletia florida	LIV		4				30	6.8
Bletia purpurea	LIV						30	6
Bletia spp.	LIV						60	12
Brachionidium spp.	SPE					10		2
Brachypeza indusiata	LVS			5				1
Brassavola cordata	LIV		1		40		40	16.2
Brassavola nodosa	LIV				400			80
Brassavola tuberculata	LIV			10				2
Brassia caudata	LIV		4				50	10.8
Brassia maculata	LIV				100			20
Broughtonia negrilensis	LIV				50			10
Broughtonia sanguinea	LIV				100		50	30
Bulbophyllum alexandrae	LIV		10	1				2.2
Bulbophyllum baronii	LIV			10				2
Bulbophyllum coriophorum	LIV			22				4.4
Bulbophyllum hamelinii	LIV		10	20	20	10	10	14
Bulbophyllum occlusum	LIV		10	11				4.2
Bulbophyllum peyrotii	SPE					35		7
Bulbophyllum sandrangatense	SPE					8		1.6
Bulbophyllum spp.	DPL		77		1055	3		227
Bulbophyllum spp.	FLO		12	295				61.4
Bulbophyllum spp.	LIV			40				8
Bulbophyllum spp.	LVS		12					2.4
Bulbophyllum spp.	SPE		180		1055			247
Bulbophyllum spp.	STE			10				2
Cadetia spp.	FLO			13				2.6
Caladenia latifolia	LIV						6	1.2
Calanthe madagascariensis	LIV			20	20		5	9
Calanthe spp.	FLO			15				3
Calanthe spp.	LIV			45				9
Campylocentrum micranthum	LIV				20			4
Campylocentrum pachyrrhizum	LIV		10		20			6
Campylocentrum spp.	LIV				40			8
Catasetum tenebrosum	SPE			7				1.4
Cattleya spp.	LIV				15			3
Cattleya spp.	ROO			9				1.8
Caularthron bilamellatum	DPL					6		1.2
Caularthron bilamellatum	LIV					10		2
Caularthron bilamellatum	SPE					50		10
Chysis bractescens	LIV				300			60
Cleisostoma spp.	FLO			6				1.2
Cleisostoma spp.	LVS			5				1
Cochleanthes flabelliformis	LIV		8					1.6
Coelogyne spp.	FLO			21				4.2
Coryanthes spp.	LIV				100			20
Corybas diemenicus	LIV						6	1.2
Corybas incurvus	LIV						6	1.2
Corybas spp.	LIV				12			2.4
Cranichis spp.	DPL		8	3				2.2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Crybe spp.	SEE				20			4
Cryptocentrum spp.	SPE					6		1.2
Cyclopogon spp.	SPE		3			2		1
Cymbidiella falcigera	LIV		5	15				4
Cymbidiella spp.	LIV		5	15				4
Cymbidium spp.	FLO			1000				200
Cynorkis gibbosa	LIV		3	15				3.6
Cynorkis spp.	DPL		11	1		6		3.6
Cynorkis spp.	LIV		3	30				6.6
Cynorkis uncinata	LIV		3	15				3.6
Cypripedium parviflorum	LIV		61					12.2
Cypripedium reginae	LIV		25		5			6
Cyrtochilum loxense	SPE			10				2
Cyrtochilum spp.	DPL		6	4				2
Cyrtochilum spp.	SPE		3			21		4.8
Dendrobium antennatum	STE			22				4.4
Dendrobium aphyllum	LIV	kg		7992				1598.4
Dendrobium aphyllum	STE	kg				1585		317
Dendrobium capillipes	ROO	kg	8000					1600
Dendrobium chrysotoxum	LIV	kg	150000					30000
Dendrobium chrysotoxum	LIV		5					1
Dendrobium chrysotoxum	ROO	kg	7000					1400
Dendrobium cochliodes	STE			10				2
Dendrobium convolutum	STE			5				1
Dendrobium cuthbertsonii	STE			10				2
Dendrobium discolor	STE			40				8
Dendrobium eriiflorum	ROO	kg			5000			1000
Dendrobium eriiflorum	STE	kg		18990				3798
Dendrobium fimbriatum	ROO	kg	8000					1600
Dendrobium gouldii	STE			22				4.4
Dendrobium hercoglossum	ROO	kg	7000					1400
Dendrobium lasianthera	STE			35				7
Dendrobium lineale	STE			52				10.4
Dendrobium macrophyllum	STE			9				1.8
Dendrobium mirbelianum	STE			10				2
Dendrobium moschatum	LIV	kg	150000					30000
Dendrobium nobile	DPL	kg	4000					800
Dendrobium nobile	LIV			6				1.2
Dendrobium nobile	STE	kg				5.9	35	8.2
Dendrobium speciosum	LIV		151	17				33.6
Dendrobium spp.	DER	kg	6.5					1.3
Dendrobium spp.	DER						30	6
Dendrobium spp.	FIB		12	2	18	15		9.4
Dendrobium spp.	FLO			548	3			110.2
Dendrobium spp.	LIV	kg	100000					20000
Dendrobium spp.	LIV		1		31			6.4
Dendrobium spp.	POW	kg				11.2		2.2
Dendrobium spp.	ROO			6				1.2
Dendrobium spp.	SPE			5				1
Dendrobium spp.	STE	kg			11.2			2.2
Dendrobium spp.	STE			40				8
Dendrobium sylvanum	STE			20				4
Dendrobium vexillarius	STE			5				1
Dendrobium williamsianum	STE			10				2
Dendrochilum spp.	LIV				100			20
Dendrophylax funalis	LIV			10	50			12
Dichaea spp.	DPL		9	2	1	9		4.2
Dichaea spp.	LVS						24	4.8

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Dilomilis montana	LIV				10			2
Dilomilis spp.	LIV				10			2
Dimerandra spp.	DPL					67		13.4
Dinema polybulbon	LIV				26		50	15.2
Diplocaulobium spp.	FLO			72				14.4
Diplocaulobium spp.	STE			5				1
Disa spp.	DPL				5			1
Diuris spp.	LIV				7			1.4
Dryadella spp.	LIV					12		2.4
Earina mucronata	LIV			20				4
Elleanthus capitatus	LIV		2		20			4.4
Elleanthus longibracteatus	LIV		7		20		20	9.4
Elleanthus spp.	DPL		28	15	1	2		9.2
Elleanthus spp.	LIV		2		40		20	12.4
Elleanthus spp.	LVS						5	1
Elleanthus spp.	SPE		18			16		6.8
Encyclia alata	LIV				200			40
Encyclia amanda	LIV				100			20
Encyclia bractescens	LIV				200			40
Encyclia caicensis	DPL				9			1.8
Encyclia fragrans	LIV		6				50	11.2
Encyclia ochracea	SPE					5		1
Encyclia radiata	LIV				300			60
Encyclia spp.	DPL			3	4			1.4
Encyclia spp.	LVS						11	2.2
Encyclia spp.	SPE				5			1
Epidendrum diffusum	LIV		6	8	100		25	27.8
Epidendrum firmum	FRU					100		20
Epidendrum firmum	LVS					900		180
Epidendrum firmum	ROO					100		20
Epidendrum inaguense	DPL				8			1.6
Epidendrum inaguense	SPE				17			3.4
Epidendrum mancum	SPE					5		1
Epidendrum nocturnum	LVS						9	1.8
Epidendrum saxicola	DPL		5					1
Epidendrum saxicola	SPE		5					1
Epidendrum spp.	DPL		119	52	1	1		34.6
Epidendrum spp.	SPE		36			69		21
Erasanthe henrici	LVS					256		51.2
Eria hyacinthoides	LIV				20			4
Eria spp.	FLO			37				7.4
Erycina pusilla	LIV			1	100			20.2
Eulophia spp.	DPL		3	5	3			2.2
Eulophiella elisabethae	LIV		1		2		2	1
Eulophiella roempleriana	LIV		2	3	2	4	2	2.6
Flickingeria spp.	FLO			16				3.2
Galeandra batemanii	LIV				100			20
Gastrochilus spp.	LIV				150			30
Gastrorchis francoisii	LIV		2	12			5	3.8
Gastrorchis humblotii	LIV		2	10			5	3.4
Gastrorchis humblotii var. schlechteri	LIV		3	12				3
Glomera spp.	FLO			16				3.2
Gomphichis spp.	SPE		2			3		1
Gongora spp.	DER					25		5
Gongora spp.	LIV		39					7.8
Gongora truncata	LIV				100			20
Gongora unicolor	LIV				100			20
Goodyera spp.	FLO			16				3.2

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Grammangis ellisii	LIV		5	2	1			1.6
Grammangis spp.	LIV		5					1
Grammatophyllum spp.	FLO			7				1.4
Habenaria spp.	DPL		10	4	8			4.4
Habenaria spp.	SPE		6			5		2.2
Heterotaxis crassifolia	LIV						20	4
Ionopsis satyrioides	LIV				30			6
Ionopsis spp.	LIV				50			10
Ionopsis utricularioides	LIV		16		250		50	63.2
Isochilus linearis	LIV		3		100			20.6
Jumellea jumelleana	LIV			20				4
Jumellea pandurata	LIV			20				4
Jumellea punctata	LIV			10				2
Jumellea spp.	DPL		1			12		2.6
Jumellea spp.	LIV			30				6
Jumellea spp.	SPE				74			14.8
Laelia spp.	LIV				6			1.2
Leochilus labiatus	LIV				120			24
Leochilus spp.	LIV				20			4
Lepanthes cochlearifolia	LIV			1			5	1.2
Lepanthes elliptica	LIV						5	1
Lepanthes ovalis	LIV						5	1
Lepanthes quadrata	LIV						5	1
Lepanthes spp.	DPL		43	7		1		10.2
Lepanthes spp.	LIV						15	3
Lepanthes spp.	SPE		26			30		11.2
Leptoceras menziesii	LIV						7	1.4
Liparis spp.	DPL		4	1		1		1.2
Liparis spp.	FLO			10				2
Luisia spp.	LVS				5			1
Lycaste aromatica	LIV				200			40
Lycaste barringtoniae	LIV		3		20		20	8.6
Lycaste spp.	LIV				20			4
Macradenia lutescens	LIV		2	12	30			8.8
Macradenia spp.	LIV				30			6
Malaxis monophyllos	SPE					13		2.6
Malaxis spp.	DPL		7			1		1.6
Malaxis spp.	FLO			8				1.6
Malaxis spp.	SPE		6					1.2
Malleola spp.	LVS			5				1
Masdevallia scandens	SPE					63		12.6
Masdevallia solomonii	SPE					144		28.8
Masdevallia spp.	DPL		11	1				2.4
Masdevallia spp.	LVS					360		72
Masdevallia spp.	SPE		4			18		4.4
Masdevallia yungasensis	SPE					153		30.6
Maxillaria conferta	LIV		3	2			20	5
Maxillaria spp.	DPL		115	37	4	7		32.6
Maxillaria spp.	LIV				1		40	8.2
Maxillaria spp.	LVS						12	2.4
Maxillaria spp.	SPE		29			38		13.4
Maxillaria tenuifolia	LIV				200			40
Maxillaria uncata	LVS						40	8
Mediocalcar spp.	FLO			8				1.6
Microcoelia gilpinae	LIV		20	20	10	10	10	14
Microcoelia macrantha	LIV			30	10	10		10
Microcoelia spp.	LIV			20				4
Mormodes spp.	LIV				100			20

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Myoxanthus spp.	DPL		5	1				1.2
Myoxanthus spp.	SPE		3			9		2.4
Myrmecophila tibicinis	LIV				600			120
Neobathiea grandidierana	LIV			1			10	2.2
Neocogniauxia monophylla	LIV				80		40	24
Neodryas spp.	DPL		5	2				1.4
Neolehmannia difformis	LIV		10				25	7
Neolehmannia difformis	LVS						12	2.4
Neuwiedia spp.	LVS			5				1
Neuwiedia veratrifolia	FLO			20				4
Neuwiedia veratrifolia	LVS			5				1
Nidema ottonis	LIV		5					1
Notylia barkeri	LEA						5	1
Notylia spp.	LIV				200			40
Oberonia spp.	FLO			40				8
Odontoglossum spp.	DPL		5	4				1.8
Odontoglossum spp.	SPE		3			4		1.4
Odontoglossum subuligerum	DPL		7					1.4
Odontoglossum subuligerum	SPE		6					1.2
Oeceoclades boinensis	LIV				5			1
Oeceoclades calcarata	LIV					10		2
Oeceoclades decaryana	LIV		50		25	30		21
Oeceoclades perrieri	LIV		30			10		8
Oeceoclades peyrotii	LIV						5	1
Oeceoclades roseovariegata	LIV		40			10	5	11
Oeceoclades spathulifera	LIV		80			10		18
Oeceoclades spp.	LIV		10			1		2.2
Oeonia rosea	LIV		3				10	2.6
Oeoniella polystachys	LIV		6	2				1.6
Oncidium pulchellum	LIV			8	50			11.6
Oncidium spp.	DPL		4	3				1.4
Oncidium spp.	LIV			1	50		130	36.2
Oncidium spp.	SPE		1			11		2.4
Oncidium tetrapetalum	LIV		10		50			12
Oncidium triquetrum	LIV				50			10
Orchidaceae hybrid	LIV			1	8	8		3.4
Orchidaceae hybrid	LVS				58			11.6
Orchidaceae hybrid	SPE				164			32.8
Orchidaceae hybrid	STE			80				16
Orchidaceae spp.	DER						15	3
Orchidaceae spp.	DPL	kg	106					21.2
Orchidaceae spp.	DPL		1160	353	169	1097	888	733.4
Orchidaceae spp.	EXT				5		30	7
Orchidaceae spp.	FIB						5	1
Orchidaceae spp.	FLO		22	6		33		12.2
Orchidaceae spp.	FRU						428	85.6
Orchidaceae spp.	LIV		374	206	2007	204	2135	985.2
Orchidaceae spp.	LVS		61		2	45	100	41.6
Orchidaceae spp.	ROO						60	12
Orchidaceae spp.	SEE						50	10
Orchidaceae spp.	SPE		62	437	687	188	591	393
Ornithocephalus spp.	SPE			2		3		1
Pachyphyllum spp.	DPL		30	7		3		8
Pachyphyllum spp.	SPE		22			7		5.8
Paphiopedilum spp.	STE			5				1
Pedilochilus spp.	FLO			12				2.4
Phaius spp.	FLO			6				1.2
Phaius tankervilleae	LIV						30	6

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Phalaenopsis amabilis	LIV						80	16
Phalaenopsis spp.	EXT					60		12
Phalaenopsis spp.	LIV		1000		25		25	210
Pholidota spp.	FLO			9				1.8
Phreatia spp.	FLO			59				11.8
Platanthera bifolia	LVS		200					40
Platanthera chlorantha	LVS		200					40
Platystele spp.	LIV			1		18		3.8
Platystele spp.	SPE		3			6		1.8
Pleurothallis acanthodes	LIV					5		1
Pleurothallis bivalvis	SPE					18		3.6
Pleurothallis corniculata	LIV		10				5	3
Pleurothallis grobyi	LIV				100	9		21.8
Pleurothallis lilijae	SPE					6		1.2
Pleurothallis pruinosa	LIV		10	11				4.2
Pleurothallis quadrifida	LIV			4			5	1.8
Pleurothallis sertularioides	LIV			5			5	2
Pleurothallis spp.	DPL		92	33	3	29		31.4
Pleurothallis spp.	LIV		2			36	5	8.6
Pleurothallis spp.	LVS						38	7.6
Pleurothallis spp.	SPE		31			122		30.6
Pleurothallis tribuloides	LIV			5			5	2
Polystachya concreta	LVS						20	4
Polystachya spp.	DPL		13	1	4	10		5.6
Pomatocalpa kunstleri	LVS			5				1
Pomatocalpa spp.	FLO			12				2.4
Ponthieva brittoniae	DPL				5			1
Ponthieva brittoniae	SPE				7			1.4
Ponthieva spp.	DPL		4	1				1
Prosthechea cochleata	LIV			5				1
Prosthechea spp.	DPL		5	3				1.6
Prosthechea spp.	SPE		4			2		1.2
Prosthechea vespa	SPE					5		1
Pseuderia spp.	FLO			6				1.2
Rhyncholaelia glauca	LIV				100			20
Rhynchostylis gigantea	LIV		5					1
Rhynchostylis retusa	LIV		5					1
Robiquetia spp.	FLO			69				13.8
Rusbyella spp.	DPL		4	3				1.4
Sarcanthopsis spp.	FLO			8				1.6
Sarcophyton spp.	LIV				35	18		10.6
Scaphosepalum dalstroemii	LIV			1		17		3.6
Scaphosepalum spp.	LIV			3		5		1.6
Scaphyglottis prolifera	LVS						15	3
Scaphyglottis spp.	DPL		8	1		31		8
Scaphyglottis spp.	LVS						70	14
Scaphyglottis spp.	SPE		4			3		1.4
Scelochilus spp.	DPL			6				1.2
Schomburgkia lyonsii	LIV		1	1	30		30	12.4
Schomburgkia spp.	LIV				30		30	12
Sobennikoffia humbertiana	LIV		22			20		8.4
Sobennikoffia robusta	LIV		20		15	10	10	11
Sobennikoffia spp.	LIV		20					4
Sobralia fragrans	LVS						17	3.4
Sobralia spp.	DPL		13	4		3		4
Sobralia spp.	LVS						6	1.2
Sobralia spp.	SPE		7			1		1.6
Specklinia spp.	LIV						5	1

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Specklinia spp.	SPE					6		1.2
Stanhopea oculata	LIV				100			20
Stanhopea spp.	LIV				100			20
Stelis ophioglossoides	LIV		5	4				1.8
Stelis spp.	DPL		168	31		3		40.4
Stelis spp.	LIV			2			5	1.4
Stelis spp.	LVS						7	1.4
Stelis spp.	SPE		31			135		33.2
Stelis superbiens	SPE			5		31		7.2
Stellilabium spp.	DPL		5	1				1.2
Telipogon machupicchuensis	DPL		5					1
Telipogon spp.	DPL		44	8				10.4
Telipogon spp.	SPE		25			3		5.6
Thelasis spp.	FLO			8				1.6
Thelymitra frenchii	LIV						6	1.2
Thelymitra spp.	LIV			4	16			4
Thrixspermum spp.	FLO			10				2
Tolumnia guttata	LIV						50	10
Tolumnia triquetra	LIV						40	8
Trichocentrum carthagenense	LIV				100			20
Trichocentrum microchilum	LIV		3	6	250		50	61.8
Trichoglottis spp.	FLO			6				1.2
Trichopilia spp.	DPL			1		4		1
Trichopilia spp.	LVS						8	1.6
Trichosalpinx spp.	DPL		3	2				1
Trichosalpinx spp.	LVS						21	4.2
Trichosalpinx spp.	SPE		2			12		2.8
Tridactyle spp.	DPL				5			1
Trigonidium spp.	LVS						16	3.2
Vanda coerulea	LIV				7			1.4
Vanda spp.	LIV				700			140
Vanda spp.	STE			30				6
Vanilla claviculata	LIV				40		30	14
Vanilla humblotii	SPE	kg			5			1
Vanilla humblotii	SPE				150	150		60
Vanilla planifolia	LIV				100			20
Vanilla spp.	DPL		2			23		5
Vanilla spp.	LIV		3				2600	520.6
Vanilla spp.	SEE		70					14
Vanilla spp.	SPE		8					1.6
Zygostates spp.	SPE			2		3		1
OROBANCHACEAE								
Cistanche deserticola	DER	kg	3.6	200.9	0.7			41.1
Cistanche deserticola	MED	kg					36.4	7.3
Cistanche deserticola	ROO	kg				31.1		6.2
PALMAE								
Beccariophoenix madagascariensis	SEE	kg	30.2	40				14
Lemurophoenix halleuxii	SEE	kg	100	0.1	0.1		1.8	20.4
Lemurophoenix halleuxii	SPE				161		3	32.8
Marojejya darianii	DPL		4	2				1.2
Neodypsis decaryi	LIV		3	2				1
Neodypsis decaryi	SEE	kg		320				64
Ravenea rivularis	LIV		541	1200	12			350.6
Ravenea rivularis	SEE	kg	8925	3675	4350	5825	7250	6005
Satranala decussilvae	SEE	kg	94	1.8	1.8			19.5
Voanioala gerardii	SPE				75			15
PORTULACACEAE								

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Avonia quinaria ssp. alstonii	LIV						635	127
PRIMULACEAE								
Cyclamen cilicium	DPL			80	100			36
Cyclamen cilicium	LIV		250000	207843	74945	68800	40380	128393.6
Cyclamen cilicium	ROO			63	108995		14020	24615.6
Cyclamen coum	LIV	kg		6636				1327.2
Cyclamen coum	LIV		500070	415560	258610	331400	300795	361287
Cyclamen coum	ROO				402515		233195	127142
Cyclamen graecum	DPL			80	100			36
Cyclamen graecum	LIV			5				1
Cyclamen graecum	ROO			5	75			16
Cyclamen hederifolium	LIV	kg		1370				274
Cyclamen hederifolium	LIV		800120	729160	173640	261350	30	392860
Cyclamen hederifolium	ROO				373550			74710
Cyclamen spp.	ROO					20		4
ROSACEAE								
Prunus africana	BAR	kg	1009300	641800.4	604725	129600	635886	604262.3
Prunus africana	BAR			10	132			28.4
Prunus africana	CAR	kg			12	30		8.4
Prunus africana	DER			20				4
Prunus africana	EXT	kg	46.8	668.5	639	20		274.9
Prunus africana	LVS	kg		0.2	31			6.2
Prunus africana	LVS		130	60				38
Prunus africana	POW	kg	706500					141300
Prunus africana	SPE			450				90
Prunus africana	TIP			240				48
SARRACENIACEAE								
Sarracenia purpurea	DPL	kg	36					7.2
Sarracenia spp.	LIV					23		4.6
Bowenia serrulata	DPL				440	124		112.8
Bowenia serrulata	FLO				160	44		40.8
Bowenia serrulata	LIV		132					26.4
Bowenia serrulata	LVS				80			16
Bowenia serrulata	STE				480			96
TAXACEAE								
Taxus cuspidata	EXT	kg	36			60	60	31.2
Taxus cuspidata	LIV		7	17				4.8
Taxus cuspidata	LOG	m^3	50					10
Taxus cuspidata	TIM	m^3					15000	3000
Taxus wallichiana	EXT	kg	6					1.2
THYMELAEACEAE								
Aquilaria beccariana	TIP	m^3			300			60
Aquilaria crassna	CHP	kg	180	277	392	118	343	262
Aquilaria crassna	DER	kg			100			20
Aquilaria crassna	LIV						1500	300
Aquilaria crassna	LOG	kg				3556		711.2
Aquilaria crassna	MED	kg			97			19.4
Aquilaria crassna	OIL	kg	0.1	47.3	2.5	0.6	33	16.7
Aquilaria filaria	CAR	kg					2000	400
Aquilaria filaria	CHP	kg	356556.5	228839.9	391997	336869.1	449389.5	352730.4
Aquilaria filaria	CHP				150	500	1495.5	429.1
Aquilaria filaria	DER	kg			803			160.6
Aquilaria filaria	MED	kg					10505	2101
Aquilaria filaria	OIL	kg			13	14	12	7.8
Aquilaria filaria	POW	kg	59328.6	200460	135171	304282.1	606226	261093.5
Aquilaria filaria	SPE	kg					1215	243
Aquilaria filaria	TIM	kg			4550	30452.5	39407	14881.9
Aquilaria filaria	TIP	kg	9890	6710	26450	133810.5	1945	35761.1

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Aquilaria malaccensis	CAR	kg				50	1530.6	316.1
Aquilaria malaccensis	CHP	kg	251938.5	189793.4	177615.3	174516.5	231711.5	205115
Aquilaria malaccensis	CHP				590	200	218	201.6
Aquilaria malaccensis	DER	kg	2.3	3.8	574.3	11	0.1	118.3
Aquilaria malaccensis	LIV	kg				25		5
Aquilaria malaccensis	LIV					10	2800	562
Aquilaria malaccensis	MED	kg			944.5		206773	41543.5
Aquilaria malaccensis	OIL	kg	28.6	6	1270	71	245.5	324.2
Aquilaria malaccensis	OIL	l	388.6	114.6	86.3	68	120.8	155.7
Aquilaria malaccensis	OIL				7.9			1.6
Aquilaria malaccensis	POW	kg	49100	70786	35901	37873	79800	54692
Aquilaria malaccensis	SAW	kg			400		20000	4080
Aquilaria malaccensis	SPE					232		46.4
Aquilaria malaccensis	STE	kg			8.1	1	3.6	2.5
Aquilaria malaccensis	TIM	kg			3929	21159	22647.1	9547
Aquilaria malaccensis	TIP	kg	10259	14868	4553	73645	5875	21840
Aquilaria microcarpa	TIM	kg					7	1.4
Aquilaria sinensis	DER	kg	126.6	24.6	14.2			33.1
Aquilaria spp.	CHP	kg	5450.8	33200.3	205987.7	142439.6	162790.2	109973.7
Aquilaria spp.	DER	kg				6.8	23.9	6.1
Aquilaria spp.	EXT	kg				6.8		1.4
Aquilaria spp.	LIV		5	30000	50000			16001
Aquilaria spp.	MED	kg					18	3.6
Aquilaria spp.	OIL	kg	3.8	5.4	0.9			2
Aquilaria spp.	OIL	l	37.9	179.8	252.5	187.1	129.5	157.4
Aquilaria spp.	POW	kg		7500		81220	103500	38444
Aquilaria spp.	SAW	kg				10000		2000
Aquilaria spp.	STE	kg	89.2	21.2	12.8			24.6
Aquilaria spp.	TIM	kg				17982	11367.1	5869.8
Aquilaria spp.	TIP	kg		3954				790.8
Aquilaria subintegra	LIV						96050	19210
Gonystylus bancanus	CAR	kg		6683.9	5783.4		1276	2748.7
Gonystylus bancanus	CAR	m^3	740	865.8	561.2	16644.8	352.4	3832.8
Gonystylus bancanus	DER	m^3				16.8		3.4
Gonystylus bancanus	LIV	m^3		20.3				4.1
Gonystylus bancanus	LOG	m^3	188	287.9	60.1			107.2
Gonystylus bancanus	PLY	m^3					962.7	192.5
Gonystylus bancanus	SAW	kg	1173337					234667.4
Gonystylus bancanus	SAW	m^3	5761.5	929761.1	1806976.7	37553.9	173	556045.2
Gonystylus bancanus	SAW			10332				2066.4
Gonystylus bancanus	TIM	m^3	1026.4	475	1478.4	1553.8	1168.4	1140.4
Gonystylus bancanus	TIP	m^3	5747.4	3792.5	1166.3	1968.5	1624	2859.7
Gonystylus bancanus	TIP		2		2166.1			433.6
Gonystylus bancanus	VEN	m^3					17.5	3.5
Gonystylus forbesii	SAW	m^3	31.8					6.4
Gonystylus forbesii	TIP	m^3	36					7.2
Gonystylus spp.	CAR	m^3	113.3	0.8	94.8	864.7	507	316.1
Gonystylus spp.	CHP	kg					3700	740
Gonystylus spp.	FRN	m^3	37.8					7.6
Gonystylus spp.	LIV	m^3		9				1.8
Gonystylus spp.	OIL	l					10	2
Gonystylus spp.	PLY	m^3	5.4					1.1
Gonystylus spp.	SAW	m^3	3726.9	4431.8	159626.9	2032.1	2706.8	34504.9
Gonystylus spp.	TIM	m^3	3369.6	1428.8	1456.1	1257.9	835.8	1669.6
Gonystylus spp.	TIP	m^3	2639.4	2104.4		16.2		952
Gyrinops audate	CHP	kg					8160	1632
Gyrinops ledermanii	CHP	kg					7017	1403.4
Gyrinops ledermanii	SPE	kg					7017	1403.4

Taxon	Term	Unit	2007	2008	2009	2010	2011	Yearly Average
Gyrinops spp.	CHP	kg	72463.6	25990	3857	500.5	233.7	20609
Gyrinops spp.	POW	kg	9000	17000				5200
Gyrinops spp.	SPE	kg					19125	3825
Gyrinops spp.	TIP	kg		1090				218
Gyrinops versteegii	CHP	kg		10000	9920	127		4009.4
VALERIANACEAE								
Nardostachys grandiflora	DER	kg		64501	74398	45026	41557	45096.4
Nardostachys grandiflora	OIL	kg		220.5	51	713	947.6	386.4
Nardostachys grandiflora	ROO	kg					77380	15476
WELWITSCHIACEAE								
Welwitschia mirabilis	DPL				55			11
Welwitschia mirabilis	SPE				55	50		21
ZAMIACEAE								
Macrozamia communis	LIV		375					75
Macrozamia communis	LVS		70000					14000
Macrozamia riedlei	LIV		119	55	48	5		45.4
Zamia acuminata	LIV						10	2
Zamia debilis	LIV				400			80
Zamia debilis	SPE				520			104
Zamia dressleri	LIV						15	3
Zamia furfuracea	LIV			120				24
Zamia furfuracea	SPE			280				56
Zamia integrifolia	SPE				27			5.4
Zamia lucayana	SPE				176			35.2
Zamia polymorpha	LIV			40				8
Zamia polymorpha	SPE			266				53.2
Zamia spp.	LIV			80			40	24
Zamia spp.	SPE			270				54
Zamia variegata	LIV			10				2
Zamia variegata	SPE			125				25
ZYGOPHYLLACEAE								
Bulnesia sarmientoi	DER	kg				18952		3790.4
Bulnesia sarmientoi	EXT	kg				3990	347220	70242
Bulnesia sarmientoi	EXT						18299	3659.8
Bulnesia sarmientoi	LOG	kg				1079153	13285287	2872888
Bulnesia sarmientoi	LOG	m^3				70.2	602.9	134.6
Bulnesia sarmientoi	OIL	kg				23560	80960	20904
Bulnesia sarmientoi	SAW	kg				2316900	2832337.5	1029847.5
Bulnesia sarmientoi	SAW	m^3				180.2	314.3	98.9
Bulnesia sarmientoi	TIM	kg				7654509.5	500822	1631066.3
Bulnesia sarmientoi	TIM	m^3				440.5	128327.9	25753.7
Guaiacum coulteri	TIM	m^3	18.2					3.6
Guaiacum officinale	DPL			50	6			11.2
Guaiacum officinale	SPE				7			1.4
Guaiacum officinale	TIP	kg		48				9.6
Guaiacum sanctum	EXT	kg				2500		500
Guaiacum sanctum	LOG	kg			50000	100		10020
Guaiacum sanctum	LOG	m^3	15.1		85.7			20.2
Guaiacum sanctum	SAW	kg	1076					215.2
Guaiacum sanctum	SAW	m^3	75.1	7	165.7	271.4	175.1	138.8
Guaiacum sanctum	SPE				80			16
Guaiacum sanctum	TIM	m^3	1769.2	59.1	56.6	58.9	28.4	394.4
Guaiacum sanctum	TIP	m^3	12.8					2.6

Selection of species for inclusion in the Review of Significant Trade following CoP16: Extended analysis

UNEP-WCMC has undertaken an extended analysis of the Appendix-II trade data with the aim of assisting the CITES Plants Committee with the task of species selection for the Review of Significant Trade. Species that may merit further consideration by the Parties on the basis of this analysis (methodology detailed below) are provided in Table 1.

Methodology

Data used

This more detailed analysis of gross exports in Appendix-II plant species covers trade data over the most recent ten-year period for which near-complete data is available (2002-2011). A longer time-period was deemed more appropriate to enable the identification of slopes and dispersion of trade levels, used for the analysis. As with the initial data output produced (see Annex 1 of the present document), terms traded at levels averaging less than one over the most recent five year period were excluded. Similarly, only trade data where the reported source was wild-collected, ranched, unknown or where there was no reported source were included. Trade at the genus level is included; however, trade reported at higher taxonomic levels (e.g. at the Family level) has been excluded.

As re-export data was not deemed to add relevant information to the analysis of the number of specimens taken for trade, only the data concerning direct exports was used in the analysis.

Since less than half of annual reports for 2012 had been received by UNEP-WCMC and included in the CITES Trade Database by the time of the data extraction (2 December 2013), data for 2012 were excluded from the extended analysis when temporal trends were analysed (e.g. sharp increase or overall increases/decreases over time) and have not been provided in Table 1. However, data for 2012 were analysed separately to determine if the trade reported to date meets the high volume thresholds. This process is described in more detail under “Criterion 6”.The resulting dataset was subsequently filtered to include only the following Terms of trade:

- bark, carvings, chips, cultures, derivatives, dried plants, extract, flowers, flower pots, fruit, furniture, leaves, live, logs, plywood, powder, roots, sawn wood, seeds, stems, timber, timber carvings, timber pieces, veneer, and wax.

A full list of terms used is available in the CITES Trade Database interpretation guide[1]. Conversion factors were applied to enable a more meaningful analysis of the different units in which trade was originally reported. Units of trade were converted in order to standardise the data and facilitate the analysis as follows.

Converted from	Converted to
grams or milligrams	kilograms
millilitres	litres
centimetres	metres
cm^2 or ft^2	m^2
cm^3	m^3

[1] A guide to using the CITES Trade Database: http://www.unep-wcmc-apps.org/citestrade/docs/EN-CITES_Trade_Database_Guide.pdf

Parties often report timber in either kilograms or cubic metres. Therefore, prior to the creation of the gross export tables, timber reported in kilograms was converted to cubic metres where a conversion factor for the species was available from the CITES Identification Manual – see below:

Species	Mean specific weight
Gonystylus spp.	0.66 g/cm^3
Guaiacum sanctum	1.23 g/cm^3
Guaiacum officinale	1.23 g/cm^3
Pericopsis elata	0.725 g/cm^3
Prunus africana	0.74 g/cm^3
Swietenia humilis	0.61 g/cm^3
Swietenia macrophyllia	0.60 g/cm^3
Swietenia mahogani	0.75 g/cm^3

Species selection

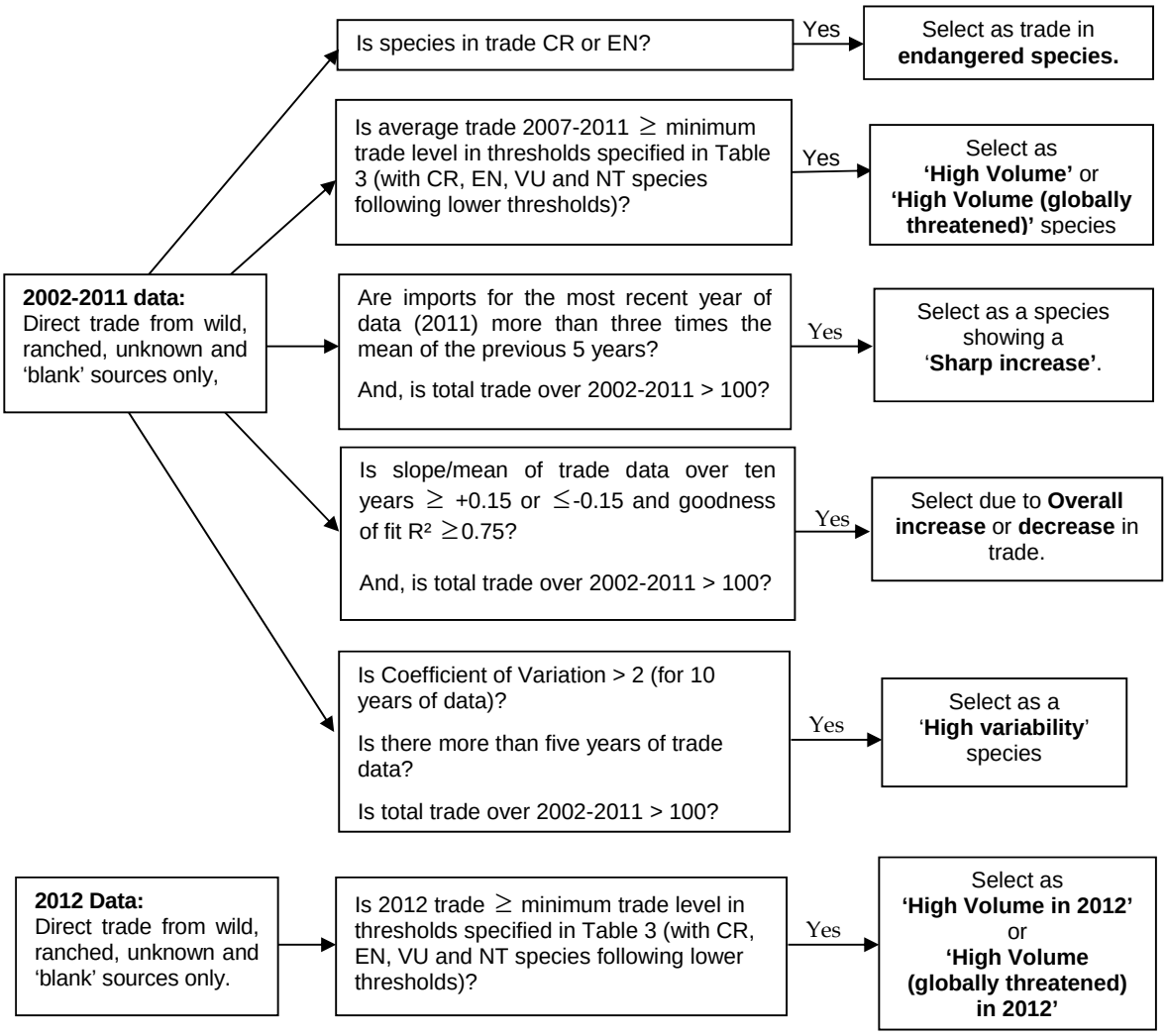
The resulting dataset was then filtered using a set of criteria to extract the species showing noteworthy patterns of trade. The selection of species highlighted in this detailed analysis was derived using the analysis protocol depicted in Figure 1. Trade levels were analysed and selected as noteworthy according to six criteria designed to identify:

- **Trade in endangered species:** Species categorized in the *IUCN Red List of Threatened Species* as Critically Endangered (CR) or Endangered (EN) were automatically selected for inclusion in Annex 1.
- **High volume and high volume (globally threatened):** trade exceeding a set of minimum thresholds over the most recent five year period with near-complete data (2007-2011). Globally threatened and near-threatened species were assessed on the basis of lower thresholds.
- **Sharp increase** in trade in 2011 in comparison to the average over preceding five-year period (2006-2010);
- **Overall increase/decrease:** General long-term increases or decreases in trade over a ten-year period (2002-2011);
- **High variability:** Long-term variability in trade between 2002 and 2011; and
- **High volume (2012):** Preliminary assessment of species traded at high volumes in 2012.

Further details on these criteria are summarised in Figure 1, followed by a detailed description of each criterion.

Species that met at least one of the criteria are included in Table 1, along with the details of which criterion or criteria they met. To assist the CITES Plants Committee with the task of species selection for the Review of Significant Trade, UNEP-WCMC has provided additional information on species selected as part of this extended analysis in the Notes column. For instance, annotations are provided for species that were previously selected for review as part of the Review of Significant Trade following the 12th, 13th and 14th meetings of the Conference of the Parties and species that were newly listed on the CITES Appendices since 2002.

Figure 1: Flow chart for selection of candidate species for consideration in the Review of Significant Trade



Criterion 1: Trade in endangered species

Species threatened with extinction are assumed to be more adversely affected by high trade volumes and more susceptible to changes in trade patterns than non-threatened species. For this reason, species in trade that have been classified as Critically Endangered and Endangered on the IUCN Red List of Threatened Species were automatically selected for inclusion.[2] The standard selection criteria have also been applied to these species and when other criteria are met this is highlighted.

The global threat status was taken into consideration when applying the 'high volume' criterion (see Criterion 2).

It should be noted that not all species have been assessed in the IUCN Red List. Therefore, the higher trade thresholds will apply to these species by default as it cannot easily be determined whether or not these species are threatened.

[2] IUCN Red List of Threatened Species, www.iucnredlist.org. Data downloaded on 12 December 2013.

Criterion 2: High volume and High volume (globally threatened)

Species qualified for inclusion in Table 1 on the basis of 'high volume trade' or 'high volume (globally threatened)' if the average level of gross direct exports during the five year period 2007-2011 exceeded pre-determined thresholds (see below). Terms with the same unit (e.g. number, m^3) were combined in order to assess the high volume criterion. For instance, a species might meet the high volume criterion on the combination of trade in live, dried plants and stems.

Average minimum number of specimens from sources wild, ranched and unknown reported directly exported per year over the period 2007-2011 needed to qualify for selection on the basis of high trade volume.

Taxonomic group	High volume	High volume (*globally threatened)
Plants (non-tree)	5000	250
Plants (trees)	500 m³	250 m³

**Applies to species that are classified as Critically Endangered (CR), Endangered (EN), Vulnerable (VU) or Near Threatened (NT) according to the IUCN Red List.*

Thresholds used to determine high volume trade were lower for globally threatened species than for non-threatened species. The minimum trade level required to meet the high volume criteria was also adjusted for all species categorised as Critically Endangered ('CR'), Endangered ('EN'), Vulnerable ('VU') or Near Threatened ('NT') in the *IUCN Red List of Threatened Species*.

Criterion 3: Sharp increase in trade volume in 2011

Species qualified on the basis of a sharp increase in trade if the volume of direct exports during 2011 was more than three times the average trade volume of the preceding five-year period (2006-2010) (see graphic below). Species that, despite a sharp increase in trade in 2011, were still only traded in very low volumes (i.e. totalling less than 100 over the entire period), were not selected on the basis of this criterion.

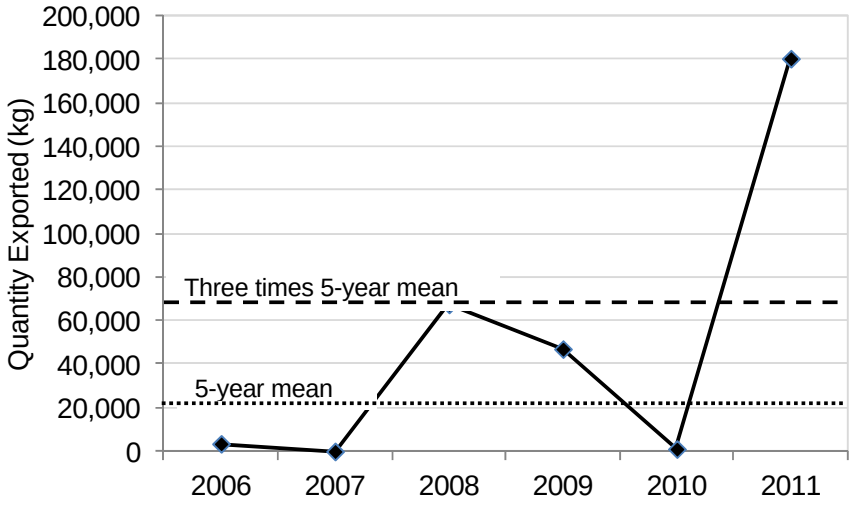


Illustration of the application of the 'sharp increase' criterion (direct gross exports).

Criterion 4: Overall increase or decrease in trade levels 2002-2011

This criterion was included to take into account more general trends over the ten-year period 2002-2011 ('overall increase' and 'overall decrease'). General trends in trade for each taxon were identified by calculating the slopes of a best-fit linear function to the trade data, a large slope (positive or negative) indicating a notable change in trade levels over time (see graphic below).

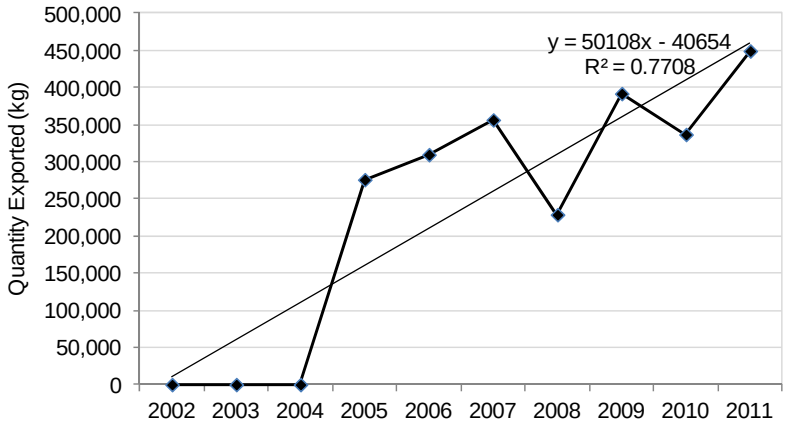


Illustration of the application of the 'overall increase' criterion (direct gross exports).

For the purpose of comparison between taxa, the value of the slope was divided by the mean level of trade (for the ten-year period in question) for each taxon. Following examination of the slope/mean values for all species, a cut-off threshold of ± 0.15 was chosen. That is to say, values below +0.15 and above –0.15 were considered small slopes, while higher values than +0.15 and lower than –0.15 were considered large slopes. The goodness of fit of the trend-line was also considered with only species with R^2 values of greater than 0.75 retained in the final selection for overall increase or decrease (R^2 is a commonly used criterion for goodness of fit with R^2=10 being best fit).

Species that, despite a gradual increase or decrease in trade over this period, were still only traded in very low volumes (i.e. totalling less than 100 over the entire period), were not selected on the basis of this criterion. The date of CITES listing was also taken into consideration for this criterion.

Criterion 5: Highly variable trade levels 2002-2011

Trade levels in some species can be highly variable, with relatively high volumes being traded in some years and little or no trade reported in other years. Most trade patterns do not fit the linear slope pattern, as described in the section on 'overall increase or decrease' above. Therefore, it was considered that a species showing high variation in levels of trade over the period of analysis might need more attention than those showing fairly constant trade levels. For the purpose of this analysis, a ten-year period (2002-2011) was examined. In the case of species added to the CITES appendices within the period of analysis, only the years since its listing were analysed provided that at least five years of trade data were available.

A number of measures of spread exist but the most appropriate when comparing across groups with different means was considered to be the coefficient of variation (CV). The CV is calculated as the standard deviation divided by the mean. This coefficient can therefore be used to make comparisons among taxa, as division of the standard deviation by the mean removes the effect of differences in scale of the trade volumes to which different taxa are subject.

Following examination of the coefficients of variation shown by all species within the period of analysis, a cut-off value of +2 was used to select candidate taxa. Thus, taxa whose levels of trade showed a coefficient of variation higher than +2 (i.e. highly variable trade levels) were considered as potential candidates for selection.

As with the previous criterion, species that were traded in low numbers (totalling less than 100 units during 2002-2011) were not selected for further consideration. In addition, species that had five or less data-points were excluded as zero-trade volumes are confounded with no-data due to lack of reporting, so many species would be selected as showing artificially high variability.

Criterion 6: Preliminary analysis of 2012 data to detect high volume trade

As 2012 data was incomplete at the time of analysis (December 2013), it could not be subjected to the same analysis as other years of data (as the incompleteness of the data would affect the criteria that detect increases/decreases over time). However, on the basis of the existing data, a preliminary analysis was conducted to detect high volume trade in 2012. The high volume criterion applied differed slightly from the criterion applied to the main dataset. Instead of comparing the average of five years of data with the thresholds mentioned above, the 2012 data was assessed on its own to determine if the thresholds had been exceeded on the basis of trade reported to date. Individual terms traded at levels in excess of the high volume threshold in 2012 are provided in the Notes column when this criterion was met.

Table 1: Flora taxa selected for consideration through the flowchart process. Quantities rounded to the nearest whole number, when applicable. Data extracted from the CITES Trade Database 2 December 2013.

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
Amaryllidaceae													
Galanthus elwesii	live	5976530	5650000	5623600	5700000	5600000	5700000	5104120	5600000	4235840	5250000		High volume. Also met high volume criterion for 2012 (3,589,246 live).
Galanthus woronowii	live	14000285	20000000	20000000	19879750	20000000	17000020	16817942	17999195	10106242	18000000		High volume. Also met high volume criterion for 2012 (15,000,060 live). Selected at PC14 following CoP12 and reviewed at PC16 (PC16 Doc. 10.2).
Anacardiaceae													
Operculicarya hyphaenoides	live	0	0	0	0	0	0	0	0	0	275		Sharp increase. Listed in the CITES Appendices in 2010.
Apocynaceae													
Hoodia gordonii	derivatives	0	0	0	0	21057	366	12	0	150	0		High volume and sharp increase. Also met high volume criterion for 2012 (6019 powder (kg)). Listed in the CITES Appendices in 2005.
	derivatives (kg)	0	0	0	124	1248	66	299	66	68	1941		
	dried plants (kg)	0	0	0	941	4065	454	30031	0	0	0		
	extract	0	0	0	0	0	0	0	0	0	300		
	powder	0	0	0	0	0	0	0	0	3000	0		
	powder (kg)	0	0	0	14712	55694	23385	32485	2275	14815	6050		
	seeds	0	0	0	0	0	30010000	15000000	0	0	0		
	stems (kg)	0	0	0	1479	630	0	0	200	0	0		
Pachypodium makayense	live	0	0	0	0	0	0	62	50	30	148		Sharp increase.
Pachypodium spp.	live	5	219	1929	1499	1159	884	777	220	351	497		High volume.
	seeds	3400	0	0	0	200	0	52000	0	0	0		
Pachypodium succulentum	live	500	458	362	40	0	40	0	0	0	30		Sharp increase. Selected at PC15 for trade review following CoP13.
Araliaceae													
Panax quinquefolius	roots (kg)	34807	34145	28345	24512	28043	25256	12993	46720	30890	22741		High volume. Also met high volume criterion for 2012 (21,273 roots (kg)).
Bromeliaceae													
Tillandsia xerographica	live	0	0	0	0	0	0	0	0	0	135		Sharp increase.
Cactaceae													
Carnegiea gigantea	stems (kg)	19560	0	0	0	0	0	0	0	0	5600		High volume and sharp increase. Reviewed for PC14.
	timber (kg)	2060	3350	0	0	0	0	0	0	0	2800		
	timber pieces	0	0	0	0	80000	40000	0	0	0	0		

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
Copiapoa serpentisulcata	live	0	0	0	0	0	0	0	30	0	0	EN	Selected as trade in an endangered species.
Corryocactus pulquinensis	stems	0	0	0	300	0	750	400	0	0	0	EN	Selected as trade in an endangered species.
Echinopsis chamaecereus	live	0	0	0	2	0	0	0	0	0	400		Sharp increase.
Echinopsis chiloensis	carvings	0	0	0	742	0	0	13299	9622	3722	440		High volume, sharp increase and overall decrease.
	dried plants	0	0	1	0	0	0	900	0	0	0		
	stems	39185	67432	51577	35312	36665	28180	3225	4925	500	300		
	stems (m)	0	0	0	0	0	15093	13703	10882	11684	5337		
	timber	0	0	0	0	0	0	0	0	2050	4825		
Echinopsis hertrichiana	live	0	0	0	0	0	10	0	0	0	0	EN	Selected as trade in an endangered species.
Echinopsis pachanoi	powder (kg)	0	0	0	2	0	137	0	0	190	237		Sharp increase.
Eulychnia acida	carvings	0	0	0	2204	0	0	23163	22846	31115	12650		High volume and overall decrease. Also met high volume criterion for 2012 (12,865 carvings; 22,683 carvings (m); 6644 stems; 1402 stems (kg); 400 timber).
	derivatives	0	0	0	0	0	160	695	665	731	15		
	dried plants	0	0	0	0	0	0	0	1948	800	565		
	stems	152171	147616	136904	96958	101599	72911	12101	13810	2029	0		
	stems (m)	0	0	0	0	0	44612	38662	30269	32071	22112		
	timber	0	0	0	0	0	0	0	0	3712	1720		
Mammillaria plumosa	live	0	0	0	0	0	0	0	0	0	600	NT	Sharp increase.
Obregonia denegrii	seeds (kg)	0	0	0	0	0	200	0	0	0	0	EN	Selected as trade in an endangered species.
Opuntia ficus-indica	dried plants (kg)	2950	0	3000	3000	0	2000	2000	2500	6000	0		High volume.
	flowers (kg)	1000	5255	3000	7020	9000	2000	9020	0	13828	13860		
Opuntia imbricata	stems (kg)	16000	0	0	0	0	0	0	0	0	6000		Sharp increase.
Opuntia spp.	stems (kg)	0	0	0	0	0	0	30000	45000	0	10678		High volume. Also met high volume criterion for 2012 (42,488 stems (kg)).
	timber (kg)	0	0	0	10723	0	54727	0	0	0	0		
	timber pieces (kg)	0	0	5000	13552	82100	75000	0	0	0	0		
Opuntia streptacantha	derivatives (kg)	0	0	0	0	0	0	0	0	0	500		Sharp increase.
Oroya peruviana	live	0	0	0	0	0	20	0	0	0	0	EN	Selected as trade in an endangered species.
Pachycereus marginatus	stems	0	0	0	0	0	0	0	0	0	1000		Sharp increase.
Selenicereus grandiflorus	flowers (kg)	0	0	4000	0	0	0	0	0	0	6000		Sharp increase.
Cyatheaceae													
Cyathea arborea	fibres (m^3)	118	189	139	0	0	26	0	0	0	117		Sharp increase.
Cyathea concinna	stems (kg)	0	0	23200	0	0	0	0	0	0	6677		Sharp increase.
Cyathea contaminans	carvings	0	0	0	0	0	0	0	160	0	0		High volume. Also met high volume criterion for 2012 (11,000 timber (kg)). Selected at PC14 following CoP12 and reviewed at PC16 (PC16 Doc. 10.2).
	chips (kg)	0	0	0	0	0	0	56700	43560	0	0		
	derivatives	0	0	0	0	0	1250	0	183898	0	0		
	stems	0	48726	0	0	0	42700	0	0	0	0		

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
	stems (kg)	195984	172668	53500	0	69986	77150	0	0	28000	0		
	timber (kg)	866780	978965	400000	0	0	505142	299550	0	241469	187927		
Cyathea cunninghamii	live	3074	3601	1127	10	25	23	0	0	5	156		Sharp increase. Reviewed for PC14.
Cyathea smithii	live	4115	535	603	211	153	0	95	130	0	243		Sharp increase and high variability.
Cyathea spp.	carvings	0	166	12	4	1	181	0	0	2	0		High volume and high variability.
	dried plants	0	0	163	38	109	218	25074	25011	10	91		
	dried plants (kg)	1826	14400	11400	6720	17624	14308	5990	4000	0	1950		
	live	0	53	8	8000	0	260	0	0	246	0		
	timber	0	0	0	0	0	150	0	0	0	0		
Cycadaceae													
Cycas revoluta	leaves	0	0	0	0	0	0	0	0	0	22100		
	live	0	0	0	0	0	7	295	8946	48000	78690		High volume, sharp increase and high variability. Also met high volume criterion for 2012 (291,260 live).
	live (kg)	0	0	0	0	0	0	0	0	0	1253430		
	stems	0	0	0	0	0	0	0	0	0	600		
Dicksoniaceae													
Cibotium barometz	dried plants	0	0	0	0	0	0	0	0	1796500	0		
	dried plants (kg)	97000	66000	56500	136000	3500	0	67500	47000	1100	180300		
	live (kg)	0	0	0	0	0	0	0	0	1000	0		High volume and sharp increase. Selected at PC14 following CoP12 and reviewed at PC16 (PC16 Doc. 10.2).
	roots (kg)	151809	4000	10000	0	75522	61000	68500	87196	146976	0		
	timber	0	0	0	0	0	0	0	0	500	0		
	timber (kg)	0	0	0	0	0	500	0	0	0	0		
Dicksonia spp.	live	0	0	0	5	350	133832	0	0	0	0		High volume.
Euphorbiaceae													
Euphorbia abdelkuri	dried plants (kg)	0	0	0	0	0	0	0	70	0	0	EN	Selected as trade in an endangered species.
Euphorbia ankarensis	live	0	52	159	275	95	82	0	0	10	0	EN	Selected as trade in an endangered species.
Euphorbia antiquorum	wax (kg)	0	0	0	0	0	0	0	34000	0	15000		High volume.
Euphorbia antisyphilitica	dried plants (kg)	0	0	0	0	0	0	15000	0	0	0		
	extract	0	0	0	0	0	0	0	1422	3257	0		
	extract (kg)	0	0	0	0	19500	0	0	10061	40	1000		High volume, sharp increase and overall increase. Also met high volume criterion for 2012 (23,000 extract (kg); 1,700,315 wax (kg) and 19,500 wax).
	wax	0	0	0	0	0	0	0	10368	3732	20000		
	wax (kg)	208000	191525	417151	423000	393525	689200	1005865	1625521	1777703	1572474		
Euphorbia bupleurifolia	live	0	0	0	0	0	5	0	0	0	755		Sharp increase.
Euphorbia croizatii	live	0	5	3	50	102	200	0	0	0	0	EN	Selected as trade in an endangered species.
Euphorbia geroldii	live	0	1	0	0	7	2120	0	0	0	0	CR	High volume (globally threatened).Selected as trade in an endangered species.

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
Euphorbia globosa	live	0	15	0	0	0	0	0	0	0	526		Sharp increase.
Euphorbia gorgonis	live	120	0	0	0	0	15	0	0	0	1130		Sharp increase.
Euphorbia guillauminiana	extract	0	0	0	0	0	0	0	0	0	10	EN	Selected as trade in an endangered species.
	live	0	24	739	188	118	218	120	0	45	180		
Euphorbia hedyotoides	live	0	50	179	234	99	75	60	20	0	0	EN	Selected as trade in an endangered species.
Euphorbia horombensis	live	0	0	39	60	126	0	0	50	50	0	EN	Selected as trade in an endangered species. Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
Euphorbia iharanae	live	0	0	0	15	0	200	0	0	0	0	CR	Selected as trade in an endangered species.
Euphorbia kondoi	live	0	0	386	0	110	15	10	0	10	0	CR	Selected as high variability trade in an endangered species.
Euphorbia labatii	live	0	0	0	295	268	150	0	150	80	200	CR	Selected as trade in an endangered species. Also met high volume criterion for 2012 (450 live).
Euphorbia millotii	live	0	0	0	0	0	0	100	0	0	0	CR	Selected as trade in an endangered species.
Euphorbia neohumbertii	live	0	0	5	195	20	0	0	0	10	0	EN	Selected as trade in an endangered species.
Euphorbia pachypodioides	live	0	0	31	333	205	65	0	0	10	0	CR	Selected as trade in an endangered species. Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
Euphorbia primulifolia	live	0	417	3322	1260	386	292	478	310	690	485	VU	Meets high volume (globally threatened) criterion in 2012 (690 live). Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
Euphorbia razafindratsirae	live	0	31	147	10	8	43	10	0	10	0	CR	Selected as trade in an endangered species.
Euphorbia silenifolia	live	300	200	150	0	0	0	0	0	0	25		Sharp increase.
Euphorbia stellata	live	150	2988	1080	0	0	0	0	0	0	2050		Sharp increase.
Leguminosae													
Caesalpinia echinata	leaves	0	0	0	0	0	0	0	0	9	0	EN	Selected as trade in an endangered species. Listed in the CITES Appendices in 2007.
Pericopsis elata	carvings	0	0	0	0	0	15	0	0	0	0	EN	High volume (globally threatened) and as trade in an endangered species. Also met
	live	0	0	0	0	0	0	0	0	28	0		

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
	timber	0	0	0	0	0	0	140	0	21	0		high volume criterion for 2012 (63367 timber (m^3); 136 timber). Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
	timber (m^3)	11639	15445	11553	16111	20726	27153	22694	13473	12687	12043		
	veneer (m2)	0	0	0	0	4099	3953	0	0	0	0		
	veneer (m^3)	0	0	0	0	0	0	0	5	5	10		
Pterocarpus santalinus	timber (kg)	0	96000	0	0	0	25000	177490	28600	13073	0	EN	High volume (globally threatened) and as trade in an endangered species. Selected at PC15 for trade review following CoP13.
Liliaceae													
Aloe arborescens	extract (kg)	0	79438	13400	6000	0	0	10600	13260	8515	7800		High volume.
	leaves (kg)	0	0	0	0	0	0	0	7000	0	0		
	live	0	0	0	3000	0	200	0	0	0	0		
Aloe ferox	dried plants	7000	13050	20735	1500	0	0	0	6820	11660	1500		High volume and overall decrease. Also met high volume criterion for 2012 (135,892 extract (kg); 43,455 leaves).
	dried plants (kg)	80	2	0	0	0	0	0	0	500	0		
	extract	43140	42314	17587	24205	55312	16031	22154	12265	15466	14670		
	extract (kg)	342713	444094	381137	439412	618114	419912	366288	390441	479135	566872		
	extract (l)	149688	130294	119442	102641	55884	85253	51050	62031	66788	34805		
	leaves	12950	120377	85590	74856	71900	108190	66425	60981	118300	100060		
	leaves (kg)	0	5000	0	3000	6882	24043	33115	10100	15890	4500		
	live	0	0	0	25	0	202	1	0	0	0		
	stems	83349	0	0	3692	0	0	0	0	9606	0		
Meliaceae													
Swietenia macrophylla	carvings	0	19	50	2	1	0	0	7102	0	0		High volume and high variability. Also met high volume criterion for 2012 (6928 timber (m^3)). Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
	carvings (kg)	0	0	0	0	0	0	0	455	0	0		
	carvings (m^3)	0	0	0	0	2	0	0	391	0	3		
	derivatives (kg)	0	0	0	0	0	0	1361	0	0	0		
	leaves	0	0	100	0	0	0	0	10	0	0		
	timber	0	0	54	9	0	0	13010	0	0	0		
	timber (m2)	0	0	0	0	0	0	2000	37	0	0		
	timber (m^3)	0	12737	342364	47431	39149	30309	33982	12713	57656	7487		
	veneer (m2)	0	0	0	0	0	14900	3340	0	0	0		
	veneer (m^3)	0	0	30	16	14	0	66	6	0	17		
Swietenia mahagoni	timber (m^3)	0	64	0	0	0	24	0	0	0	0	EN	Selected as trade in an endangered species.
	veneer (kg)	0	0	7	0	0	0	14	10	0	6		
Swietenia spp.	live	0	0	0	0	0	0	0	0	0	9891		High volume and sharp increase.
Nepenthaceae													
Nepenthes truncata	live	0	0	0	1	0	20	0	0	0	0	EN	Selected as trade in an endangered species.

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
Orchidaceae													
Brassia caudata	live	2	109	62	6	10	4	0	0	0	50		Sharp increase.
Dendrobium chrysotoxum	live (kg)	0	0	0	0	80000	150000	0	0	0	0		High volume.
	roots (kg)	0	0	0	0	0	7000	0	0	0	0		
Dendrobium moschatum	live (kg)	0	0	0	0	91000	150000	0	0	0	0		High volume.
Dendrobium spp.	live (kg)	0	0	0	0	0	100000	0	0	0	0		High volume. Selected as part of the review of medicinal plants following PC9.
Dinema polybulbon	live	0	118	131	38	2	0	0	26	0	50		Sharp increase.
Encyclia bractescens	live	695	941	703	680	200	0	0	200	0	0		Overall decrease.
Encyclia caicensis	dried plants	0	0	0	0	0	0	0	9	0	0	EN	Selected as trade in an endangered species.
Encyclia fragrans	live	34	25	4	100	6	6	0	0	0	50		Sharp increase.
Lepanthes spp.	live	18	30	0	100	1	0	0	0	0	15		Sharp increase.
Maxillaria spp.	live	1	9	1	104	4	0	0	1	0	40		Sharp increase and high variability.
Neobathiea grandidierana	live	3	9	0	80	1	0	1	0	0	10		Sharp increase and high variability.
Neolehmannia difformis	live	2	241	100	2	4	10	0	0	0	25		Sharp increase and high variability.
Oncidium spp.	live	1000	31	20	1	2	0	1	50	0	130		Sharp increase and high variability.
Phalaenopsis amabilis	live	0	0	0	0	30	0	0	0	0	80		Sharp increase.
Schomburgkia spp.	live	300	0	0	200	0	0	0	30	0	30		Sharp increase.
Vanilla spp.	live	4	6	4	3	0	3	0	0	0	2600		Sharp increase and high variability.
Palmae													
Lemurophoenix halleuxii	seeds (kg)	0	0	0	0	3800	100	0	0	0	2	EN	Selected as trade in an endangered species and high variability. Listed in the CITES Appendices in 2003. Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
Ravenea rivularis	live	0	15448	28579	19342	2974	541	1200	12	0	0		High volume (globally threatened) and as trade in an endangered species. Also met high volume criterion for 2012 (2000 seeds (kg)). Listed in the CITES Appendices in 2003. Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
	seeds (kg)	0	1500	4058	3475	4570	8925	3675	4350	5825	7250	EN	
Satranala decussilvae	seeds (kg)	0	0	0	0	205	94	2	2	0	0	EN	Selected as trade in an endangered species and high variability. Listed in the CITES Appendices in 2003. Selected at PC17 following CoP14 and reviewed for PC19 (PC19 Doc. 12.3).
Portulacaceae													
Avonia quinaria alstonii	live	0	0	0	0	0	0	0	0	0	635		Sharp increase.
Primulaceae													

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
Cyclamen cilicium	live	250000	250000	250500	250075	250000	250000	207843	108995	68800	40380		High volume. Also met high volume criterion for 2012 (36010 live).
Cyclamen coum	live	600160	500000	530000	500000	600000	500070	415560	402515	331400	300795		High volume. Also met high volume criterion for 2012 (119595 live). Listed in the CITES Appendices in 2007. Reviewed for PC14.
Cyclamen hederifolium	live	1275000	1250050	1001430	1000000	900000	800120	729160	373550	261350	30		High volume and overall decrease. Reviewed for PC14.
Rosaceae													
Prunus africana	bark	0	0	0	0	0	0	10	132	0	0		High volume. Also met high volume criterion for 2012 (525521 bark (kg); 51,750 derivatives). Selected at PC11 following CoP11 and reviewed at PC16 (PC16 Doc. 10.2).
	bark (kg)	464565	799253	2099399	2752627	1877504	1009300	641800	604725	129600	635886		
	extract (kg)	800	758	738	606	722	47	669	639	20	0		
	leaves	0	0	0	0	0	130	60	0	0	0		
	powder (kg)	208300	234000	0	59000	595000	706500	0	0	0	0		
	timber	0	0	0	0	0	0	240	0	0	0		
Taxaceae													
Taxus cuspidata	extract (kg)	0	0	0	0	0	36	0	0	60	60		Sharp increase. Listed in the CITES Appendices in 2005.
	timber (m^3)	0	0	0	0	0	50	0	0	0	15000		
Taxus wallichiana	extract (kg)	3	50000	0	0	180	6	0	0	0	0	EN	Selected as trade in an endangered species. Selected at PC15 for trade review following CoP13.
Thymelaeaceae													
Aquilaria crassna	chips (kg)	0	0	0	78	86	180	277	392	118	343		High volume (globally threatened), sharp increase in trade and as trade in an endangered species. Also met high volume criterion for 2012 (1000 live). Listed in the CITES Appendices in 2005.
	derivatives (kg)	0	0	0	0	0	0	0	100	0	0		
	live	0	0	0	0	0	0	0	0	0	1500	CR	
	timber (kg)	0	0	0	40	9	0	0	0	3556	0		
Aquilaria filaria	carvings (kg)	0	0	0	0	0	0	0	0	0	2000		High volume, sharp increase and overall increase. Also met high volume criterion for 2012 (14818 chips (kg); 1500 powder (kg) and 32,815 timber (kg)). Listed in the CITES Appendices in 2005.
	chips	0	0	0	0	0	0	0	150	500	1496		
	chips (kg)	0	0	0	276015	309744	356557	228840	391997	336869	449390		
	derivatives (kg)	0	0	0	0	0	0	0	803	0	0		
	powder (kg)	0	0	0	91765	206051	59329	200460	135171	304282	606226		
	timber (kg)	0	0	0	0	0	9890	6710	26450	133811	41352		
Aquilaria malaccensis	carvings (kg)	0	0	0	0	0	0	0	0	50	1531		High volume (globally threatened), sharp increase and high variability. Also met high volume criterion for 2012 (25,654 timber (kg); 41,515 chips (kg)).
	chips	0	0	0	0	0	0	0	590	200	218		
	chips (kg)	205388	387669	263746	181489	205471	251938	189793	177615	174517	231712		
	derivatives (kg)	0	0	0	5	5	2	4	574	11	0	VU	
	live	0	6	0	0	0	0	0	0	10	2800		
	powder (kg)	0	19801	5000	27000	19619	49100	70786	35901	37873	79800		
	timber (kg)	0	0	0	0	411	10259	14868	4553	73645	28522		
Aquilaria spp.	chips (kg)	0	170	1409	239184	253988	5451	33200	205988	142440	162790		High volume and sharp increase. Sharp increase (in powder) may relate to
	live	0	0	0	0	0	5	30000	50000	0	0		

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
	powder (kg)	0	0	0	21000	30985	0	7500	0	81220	103500		variation in reporting powder and chips (kg). Listed in the CITES Appendices in 2005.
	stems (kg)	0	0	0	0	189	89	21	13	0	0		
	timber (kg)	0	0	0	0	75	0	3954	0	27982	11367		
Aquilaria subintegra	live	0	0	0	0	0	0	0	0	0	96050		High volume and sharp increase. Also met high volume criterion for 2012 (3210 live; 4301 chips). Listed in the CITES Appendices in 2005.
Gonystylus bancanus	carvings (kg)	0	0	0	0	0	0	6684	5783	0	1276		High volume and high variability. Also met high volume criterion for 2012 (764 timber (m^3); 231 carvings (m^3)).
	carvings (m^3)	0	0	0	34	6085	740	866	561	16645	352		
	timber	0	0	0	0	0	2	10332	2166	0	0		
	timber (m^3)	0	0	0	3623	8195	11509	930633	1808597	39108	2648		
Gonystylus spp.	carvings (m^3)	0	0	0	12368	3702	151	1	95	865	507		High volume, sharp increase (in chips (kg)) and high variability. Also met high volume criterion for 2012 (14,770 m^3 timber).
	chips (kg)	0	0	0	0	0	0	0	0	0	3700		
	timber (m^3)	0	0	0	38704	7934	6366	6251	161083	2398	2707		
Gyrinops audate	chips (kg)	0	0	0	0	0	0	0	0	0	8160		Sharp increase. Listed in the CITES Appendices in 2005.
Gyrinops ledermanii	chips (kg)	0	0	0	0	0	0	0	0	0	7017		Sharp increase. Listed in the CITES Appendices in 2005.
Gyrinops spp.	chips (kg)	0	0	0	22700	64543	72464	25990	3857	501	234		High volume. Listed in the CITES Appendices in 2005.
	powder (kg)	0	0	0	0	33250	9000	17000	0	0	0		
	timber (kg)	0	0	0	0	0	0	1090	0	0	0		
Valerianaceae													
Nardostachys grandiflora	derivatives (kg)	0	0	0	0	0	0	64501	74398	45026	41557		High volume and sharp increase.
	roots (kg)	0	0	0	0	0	0	0	0	0	77380		
Zamiaceae													
Macrozamia communis	leaves	0	0	0	0	0	70000	0	0	0	0		High volume. Review of Significant Trade in cycads published in 2003.
	live	0	0	70	150	121	375	0	0	0	0		
Zamia dressleri	live	0	0	0	2	0	0	0	0	0	15	EN	Selected as trade in an endangered species. Selected at PC10.
Zamia furfuracea	live	3500	0	28000	1000	0	0	120	0	0	0	EN	Selected as trade in an endangered species. Selected at PC10.
Zamia variegata	live	0	0	0	0	0	0	10	0	0	0	EN	Selected as trade in an endangered species. Selected at PC10.
Zygophyllaceae													
Bulnesia sarmientoi	derivatives (kg)	0	0	0	0	0	0	0	0	18952	0	NT	High volume (globally threatened) and

Taxon	Term	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	*IUCN	Notes
	extract	0	0	0	0	0	0	0	0	0	18299		sharp increase. Also met high volume criterion for 2012 (12,655,292 timber (kg); 19000 extract (kg)). Listed in the CITES Appendices in 2008.
	extract (kg)	0	0	0	0	0	0	0	0	3990	347220		
	timber (kg)	0	0	0	0	0	0	0	0	10113909	16618447		
	timber (m^3)	0	0	0	0	0	0	0	0	621	129245		
Guaiacum officinale	dried plants	0	0	0	0	0	0	50	6	0	0	EN	Selected as trade in an endangered species. Discussed as part of review of medicinal plants following PC9.
Guaiacum sanctum	extract (m^3)	0	0	0	0	0	0	0	0	2500	0	EN	High volume (globally threatened).Selected as trade in an endangered species. Discussed as part of review of medicinal plants following PC9.
	timber (m^3)	232	162	149	100	137	1769	59	251	271	175		

* Only IUCN classifications applicable to the selection process are provided: Critically Endangered ('CR'), Endangered ('EN'), Vulnerable ('VU') or Near Threatened ('NT'). IUCN data downloaded from www.iucnredlist.org on 12 December 2013.