

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



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IMPLEMENTATION MANUAL FOR PLANT ANNOTATIONS IN THE CITES APPENDICES

This document has been submitted by Germany, in relation to working documents 83.1, 83.2 and 83.3 on Annotations.

- (1) Understanding the CITES Appendices and the plant and animal species included in Appendices I, II and III is often difficult. A particular challenge is the implementation of the various Annotations which accompany many plant species. To support implementation and enforcement of CITES plant listings the Scientific Authority of Germany has prepared an Implementation Manual presented in this Information Document.
- (2) The aim of this booklet is to be a practical guide for the implementation of these Annotations and an improved understanding of the terms used in them. Considerable effort has been made to summarize and illustrate the majority of commodities that can be found in international trade, including their transitional processing stages from raw material to finished product.
- (3) This manual will be updated in the light of changes to the Appendices and improved understanding of trade and its commodities.
- (4) Proposals to include additional relevant commodities of CITES plants in the image section are highly welcome. They can be send to Uwe Schippmann (schippmu@bfn.de).

* *The geographical designations employed in this document do not imply the expression of any opinion whatsoever on the part of the CITES Secretariat (or the United Nations Environment Programme) concerning the legal status of any country, territory, or area, or concerning the delimitation of its frontiers or boundaries. The responsibility for the contents of the document rests exclusively with its author.*

Uwe Schippmann

Plant Annotations in the CITES Appendices

– Implementation Manual –

Version 1.0



Cover pictures: BfN

Author's address:

Dr Uwe Schippmann

Bundesamt für Naturschutz (BfN)
Federal Agency for Nature Conservation
Konstantinstrasse 110, 53179 Bonn, Germany

E-Mail: schippmu@bfn.de

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Preface

Understanding the CITES Appendices and the plant and animal species included in Appendices I, II and III is often difficult. A particular challenge is the implementation of the various Annotations which accompany many plant species.

To support implementation and enforcement of CITES plant listings we have prepared this booklet. This Manual is primarily directed to the CITES enforcement community, but, we hope, will also be of use to other stakeholders in the CITES family.

The Manual describes all Annotations and defines the terms used in the text of the Annotations. The most important part of the Manual, however, is the image based guide illustrating the commodities which are or are not regulated by CITES for the given species.

The aim of this booklet is to be a practical guide for the implementation of these Annotations and an improved understanding of the terms used in them. We have made considerable effort to summarize and illustrate the majority of commodities that can be found in international trade, including their transitional processing stages from raw material to finished product.

We intend to update this manual in the light of changes to the Appendices and improved understanding of trade and its commodities.

Proposals to include additional relevant commodities of CITES plants in the image section are highly welcome.

Uwe Schippmann
CITES Scientific Authority Germany
Bundesamt für Naturschutz
Federal Agency for Nature Conservation

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Introduction

The majority of plant species listings included in the CITES Appendices II and III are accompanied by special footnotes called “Annotations”. They are preceded by the “#” sign. These Annotations define which commodities are covered by the listing or are excluded from it. A common understanding of these Annotations by enforcement officials and by exporting and importing companies is of legal as well as of economic importance.

(1) The # Annotations are an element in CITES which are only used in the Flora part of the Appendices. This goes back to Article I of the Convention text which defines the term „specimen” differently for animals and plants:

| |
|---|
| <p><i>Article I</i></p> <p>Definitions</p> <p>For the purpose of the present Convention, unless the context otherwise requires: [...]</p> <p>(b) "Specimen" means:</p> <p>(i) any animal or plant, whether alive or dead;</p> <p>(ii) in the case of an animal: for species included in Appendices I and II, any readily recognizable part or derivative thereof; and for species included in Appendix III, any readily recognizable part or derivative thereof specified in Appendix III in relation to the species; and</p> <p>(iii) in the case of a plant: for species included in Appendix I, any readily recognizable part or derivative thereof; and for species included in Appendices II and III, any readily recognizable part or derivative thereof specified in Appendices II and III in relation to the species;</p> |
|---|

This Article deals with the question whether only whole animal and plants are protected or whether the protection also includes commodities or products derived from them.

Subparagraph (b) of Article I specifies the following:

- Any individual animal or plant, whether alive or dead, is protected.
- For plant and animal species in Appendix I all parts or derivatives are protected.
- For **animal** species in Appendix II & III all parts or derivatives are protected.
- However, for **plant** species in Appendix II & III not all parts and derivatives are protected but only those which are specified as protected in the Appendix against the species. These specifications are called Annotations and they are marked with a „#” followed by a number.
- Protected are only those parts or derivatives which are readily recognizable.

So in conclusion we can state: An Annotation is a note attached to certain species in the Appendices to indicate which parts or derivatives fall under the CITES listing.

(2) **Other footnotes in the Appendices:** In addition to the # Annotations, the Flora part of the Appendices also has footnotes without preceding “#” and also text amendments. This adds up to some complexity as can be seen by the example given in Fig. 1.

| Appendices | | |
|---|--|-----|
| I | II | III |
| CACTACEAE Cacti | | |
| <p><i>Ariocarpus</i> spp. <i>Astrophytum asterias</i> <i>Aztekium ritteri</i> <i>Coryphantha werdermannii</i> <i>Discocactus</i> spp.</p> | <p>CACTACEAE spp.^{9 #4} (Except the species included in Appendix I and except <i>Pereskia</i> spp., <i>Pereskiaopsis</i> spp. and <i>Quiabentia</i> spp.)</p> | |
| <p>^{#4} All parts and derivatives, except:</p> <p>a) seeds (including seedpods of Orchidaceae), spores and pollen (including pollinia). The exemption does not apply to seeds from Cactaceae spp. exported from Mexico, and to seeds from <i>Beccariophoenix madagascariensis</i> and <i>Neodypsis decaryi</i> exported from Madagascar;</p> <p>b) seedling or tissue cultures obtained <i>in vitro</i>, in solid or liquid media, transported in sterile containers;</p> <p>c) cut flowers of artificially propagated plants;</p> <p>d) fruits, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genus <i>Vanilla</i> (Orchidaceae) and of the family Cactaceae;</p> <p>e) stems, flowers, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genera <i>Opuntia</i> subgenus <i>Opuntia</i> and <i>Selenicereus</i> (Cactaceae); and</p> <p>f) finished products of <i>Euphorbia antisyphilitica</i> packaged and ready for retail trade.</p> <p>⁹ Artificially propagated specimens of the following hybrids and/or cultivars are not subject to the provisions of the Convention:</p> <ul style="list-style-type: none"> - <i>Hatiora x graeseri</i> - <i>Schlumbergera x buckleyi</i> - <i>Schlumbergera russelliana x Schlumbergera truncata</i> - <i>Schlumbergera orssichiana x Schlumbergera truncata</i> - <i>Schlumbergera opuntioides x Schlumbergera truncata</i> - <i>Schlumbergera truncata</i> (cultivars) - Cactaceae spp. colour mutants grafted on the following grafting stocks: <i>Harrisia 'Jusbertii'</i>, <i>Hylocereus trigonus</i> or <i>Hylocereus undatus</i> - <i>Opuntia microdasys</i> (cultivars). | | |

Fig. 1: The entry for "Cactaceae spp." in Appendix II as an example for possible footnotes and annotations.

(3) **“Parts and derivatives”**. When the CITES Convention makes provisions about the # Annotations (Art I, XVI, XXIII), the standard term used is „parts or derivatives”. It is meant to circumscribe any specimen in trade which is not a live or dead specimen. „Parts and derivatives” is also used at the onset of five of the # Annotations (#1, #2, #4, #9, and #14). In plain language, the term „parts or derivative” corresponds with the term “product” or “commodity”. These can range from raw plant material, to intermediate or semi-processed commodities or final products.

(4) **General format of # Annotations:** In the existing Annotations two forms can be distinguished.

- Some Annotations start with the statement that all parts and derivatives are controlled and then list the specific exemptions (#1, #2, #4, #9, #14). In these cases, the commodities listed are those which are excluded from CITES control (exclusionary Annotation).
- Other Annotations simply state which commodities are controlled (#3, #5, #6, #7, #8, #10, #11, #12, #13). In these cases all parts and derivatives not mentioned explicitly are excluded from CITES control (inclusionary Annotation).

(5) **Plant species without Annotation:** The majority of plant species included in the CITES Appendices II and III are accompanied by a # Annotation. Of the Appendix II species, only those listed in table 1 are un-annotated. For these species all parts and

derivatives are controlled by CITES. This is clarified in Resolution Conf. 11.21 (Rev. CoP16) on *Use of annotations in Appendices I and II*, which states: "...that, for plant species included in Appendix II, the absence of an annotation relating to that species shall indicate that all readily recognizable parts and derivatives are included".

Table 1: Species in Appendix II and III with no # Annotation

| Family | Species | Appendix |
|----------------|-----------------------------------|----------|
| Agavaceae | <i>Nolina interrata</i> | II |
| | <i>Yucca queretaroensis</i> | |
| Anacardiaceae | <i>Operculicarya decaryi</i> | II |
| | <i>Operculicarya hyphaenoides</i> | |
| | <i>Operculicarya pachypus</i> | |
| Cucurbitaceae | <i>Zygosicyos pubescens</i> | II |
| | <i>Zygosicyos tripartitus</i> | |
| Leguminosae | <i>Dipteryx panamensis</i> | III |
| | <i>Senna meridionalis</i> | II |
| Palmae | <i>Lemurophoenix halleuxii</i> | II |
| | <i>Marojejya darianii</i> | |
| | <i>Ravenea louvelii</i> | |
| | <i>Ravenea rivularis</i> | |
| | <i>Satranala decussilvae</i> | |
| | <i>Voanioala gerardii</i> | |
| Passifloraceae | <i>Adenia firingalavensis</i> | II |
| | <i>Adenia olaboensis</i> | |
| | <i>Adenia subsessilifolia</i> | |
| Pedaliceae | <i>Uncarina grandidieri</i> | II |
| | <i>Uncarina stellulifera</i> | |
| Vitaceae | <i>Cyphostemma elephantopus</i> | II |
| | <i>Cyphostemma laza</i> | |
| | <i>Cyphostemma montagnacii</i> | |

(6) **Resolutions dealing with Annotations:** One CITES Resolution is specifically dedicated to provisions relating to Annotations: Res. Conf. 11.21 (Rev. CoP16) on "Use of annotations in Appendices I and II".

Other Resolutions which include specific paragraphs relating to Annotations are:

- Resolution Conf. 9.24 (Rev. CoP16) on "Criteria for amendment of Appendices I and II"
- Resolution Conf. 9.25 (Rev. CoP16) on "Inclusion of species in Appendix III"
- Resolution Conf. 5.20 (Rev. CoP16) on "Guidelines for the Secretariat when making recommendations in accordance with Article XV"
- Resolution Conf. 11.19 (Rev. CoP16) on "Identification Manual"

Annotation #1

#1 All parts and derivatives, except:

- a) seeds, spores and pollen (including pollinia);
- b) seedling or tissue cultures obtained *in vitro*, in solid or liquid media, transported in sterile containers;
- c) cut flowers of artificially propagated plants; and
- d) fruits and parts and derivatives thereof, of artificially propagated plants of the genus *Vanilla*.

Species carrying this Annotation:

Appendix III:

Gnetum montanum (Nepal), *Magnolia liliifera* var. *obovata* (Nepal), *Meconopsis regia* (Nepal), *Podocarpus neriifolius* (Nepal), *Pterocarpus erinacea* (Senegal), *Tetracentron sinense* (Nepal)

Explanation:

This Annotation is a residue of changes to the # Annotations at CoP 14 in 2007. At that time, the former Annotations #1, #4 and #8 were merged to what is now Annotation #4 in an attempt to streamline the Annotation system.

Only after CoP 14 it became apparent that the former Annotation #1 could not be changed for the five species mentioned above. They were included in Appendix III by Nepal and only Nepal has the right to change the Annotation. Several attempts by the CITES Secretariat have failed to attain the acceptance of Nepal for this change. Therefore this Annotation is still formally valid.

It does, however, not play a role in implementation since trade in these five species is negligible. This Annotation is therefore not further discussed here.

Annotation #2

- #2** All parts and derivatives except:
- a) seeds and pollen; and
 - b) finished products packaged and ready for retail trade.

Species carrying this Annotation:

Appendix II:

Adonis vernalis, *Guaiaacum* spp., *Nardostachys grandiflora*, *Osyris lanceolata*,
Picrorhiza kurrooa, *Podophyllum hexandrum*, *Rauvolfia serpentina*, *Taxus chinensis*,
Taxus cuspidata, *Taxus fuana*, *Taxus sumatrana*, *Taxus wallichiana*

Appendix III:

Dalbergia darienensis (population of Panama)

Explanation:

This Annotation is connected to a number of species in both Appendix II and III. It has 2 intentions: Firstly it makes clear that seeds and pollen in trade are not controlled for these species (this exclusion is also found in other Annotations). Secondly it makes clear that finished products in retail trade in a state fit for being sold to or used by the general public are not controlled. To clarify which commodities or products indeed fulfil this criterion, a definition (see below) has been elaborated by the Plants Committee and enacted by CoP 16.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|--|--|
| „part and derivative” | See paragraph (3) on page 8. |
| „finished product packaged and ready for retail trade” | Products, shipped singly or in bulk, requiring no further processing, packaged, labelled for final use or the retail trade in a state fit for being sold to or used by the general public. |
| „pollen” | Mass of small grains containing sperm cells of a plant. |
| „seed” | Reproductive part of a fruit. Produced by all higher plants, consisting of an embryo and usually a seed-coat, with endosperm. |

Examples of commodities in trade (**red**: covered by CITES):



Sawn wood (*Guaiacum* sp.)



Wood pieces of *Guaiacum* sp.



Root of *Rauvolfia serpentina*



Root of *Nardostachys grandiflora*



Wood chips of *Guaiacum* sp.



Cut root of *Picrorhiza kurroa*



Cut root of *Podophyllum hexandrum*



Cut root of *Rauvolfia serpentina*



Twigs & needles of *Taxus wallichiana*



Twig (*Taxus* sp.)



Cut root of *Nardostachys grandiflora*



Bearings (*Guaiacum* sp.)

Examples of commodities in trade (**red**: covered by CITES):



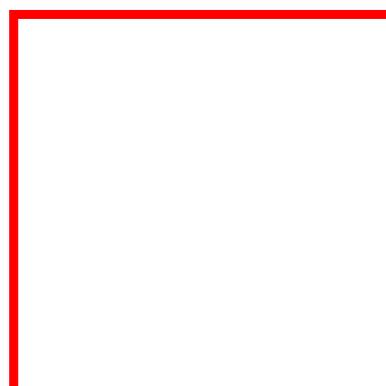
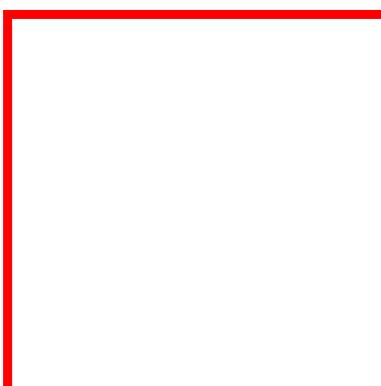
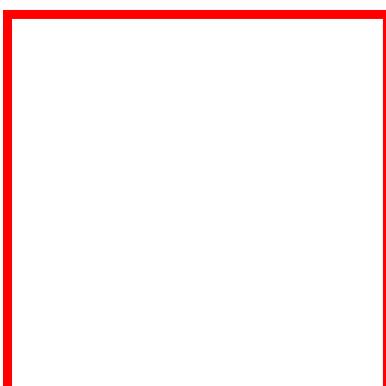
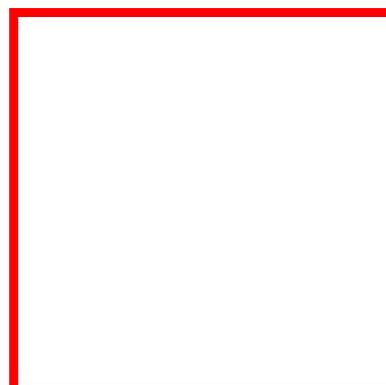
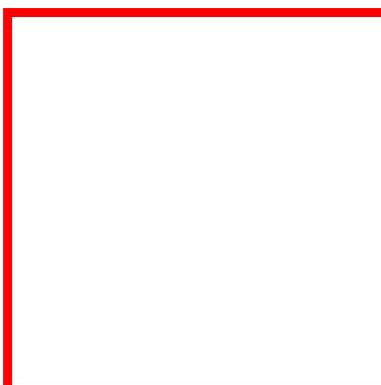
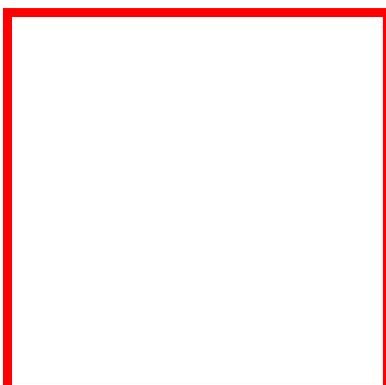
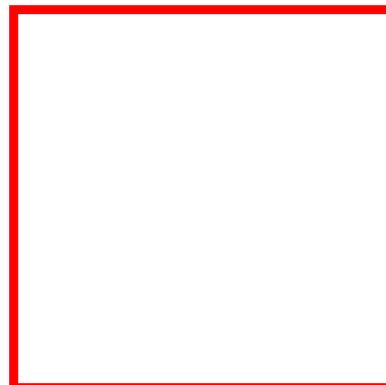
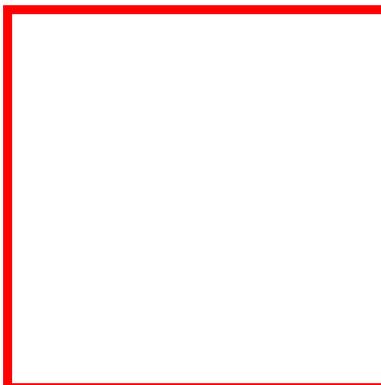
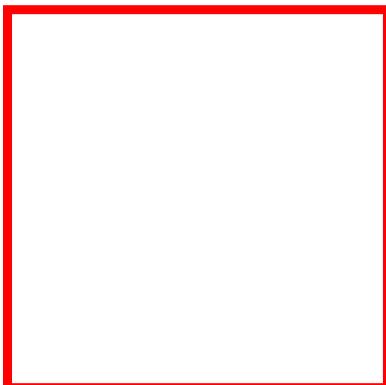
Solid extract of *Guaiacum* sp.



Oil in solid form (*Guaiacum* sp.)



Oil drum (*Guaiacum* sp.)



Examples of commodities in trade (**green**: not covered by CITES):



Powdered root of *Nardostachys grandiflora*



Capsules (*Nardostachys grandiflora*)



Capsules (*Picrorhiza kurroa*)



Capsules (*Rauwolfia serpentina*)



Tablets (*Rauwolfia serpentina*)



Oil of *Nardostachys grandiflora*



Tincture (*Picrorhiza kurroa*)



Tonic (*Picrorhiza kurroa*)



Eau de Toilette (*Osyris lanceolata*)



Guitar picks made of *Guaiacum* sp.



Finished product of *Taxus* sp.



Finished product of *Taxus* sp.

Annotation #3

#3 Whole and sliced roots and parts of roots, excluding manufactured parts or derivatives, such as powders, pills, extracts, tonics, teas and confectionery.

Species carrying this Annotation:

Appendix II: *Panax ginseng*, *Panax quinquefolius*

Explanation:

This Annotation is only used against the two species of *Panax* in Appendix II. The substance of this Annotation lies in its first part, stating that whole and sliced roots and parts of roots are controlled. All other commodities are not covered by CITES. This is explained in the second part of the Annotation text, after the first comma. Please note that the products listed after "such as" are examples only; this is not an inclusive enumeration.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|-----------------|--|
| "confectionary" | Class of products including candy and other sugar-based sweets. |
| "extract" | Any substance obtained directly from plant material by physical or chemical means regardless of the manufacturing process. An extract may be solid (e.g. crystals, resin, fine or coarse particles), semisolid (e.g. gums, waxes) or liquid (e.g. solutions, tinctures, oil and essential oils). |
| "part" | Any part of an animal or plant (e.g. skin, shell, root) whether raw or processed in a simple way (e.g. preserved, polished, etc.). Parts are usually readily identifiable. |
| "pill" | Small round mass of solid medicine for swallowing whole. |
| "powder" | A dry, solid substance in the form of fine or coarse particles. |
| „root" | All underground organs or parts of a plant including bulbs, rhizomes, corms, caudices, and tubers. |
| "tea" | Dried leaves of a plant used to prepare drink by soaking the in hot water. |
| "tonic" | Medicinal preparation that invigorates or strengthens. |

Examples of commodities in trade (**red**: covered by CITES):



Roots of *Panax ginseng* (W; RU)



Roots of *Panax quinquefolius* (W)



Roots of *Panax quinquefolius* (A)



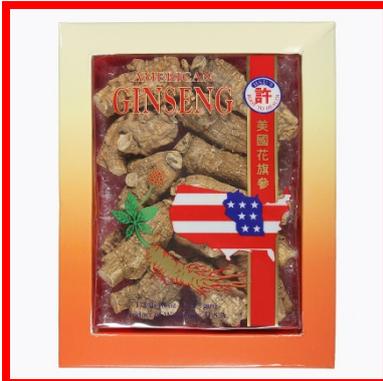
Roots of *Panax quinquefolius* (A)



Cut roots of *Panax quinquefolius* (A)



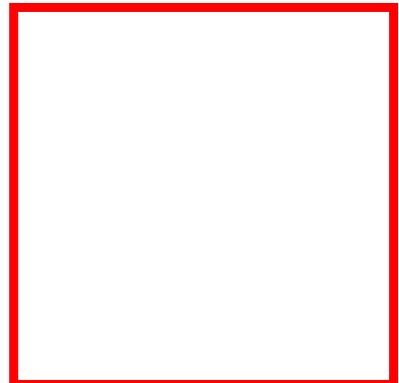
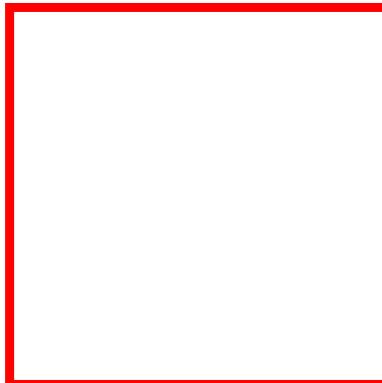
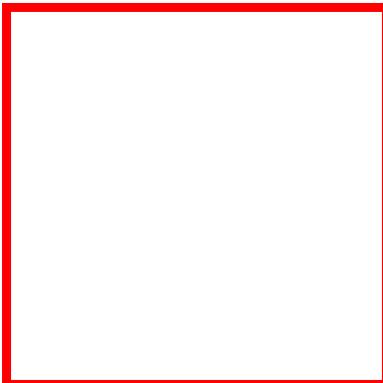
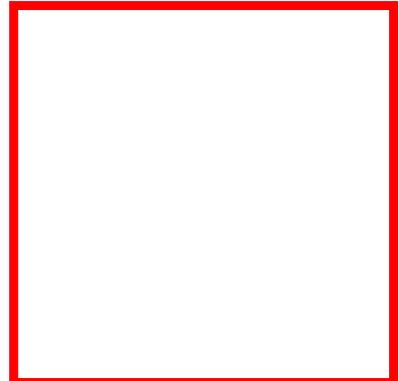
Roots of *Panax quinquefolius* (A)



Roots of *Panax quinquefolius* (A)



Roots of *Panax quinquefolius* (A)



Examples of commodities in trade (**green**: not covered by CITES):



Capsules (*Panax quinquefolius*)



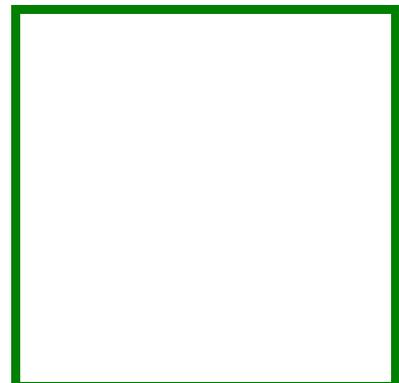
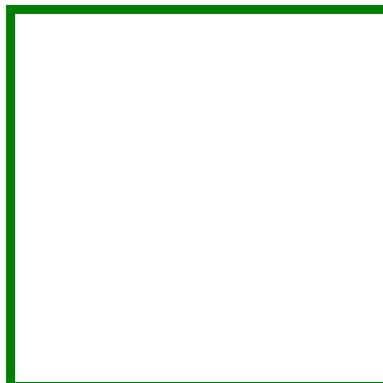
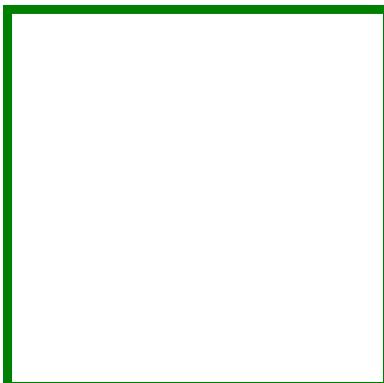
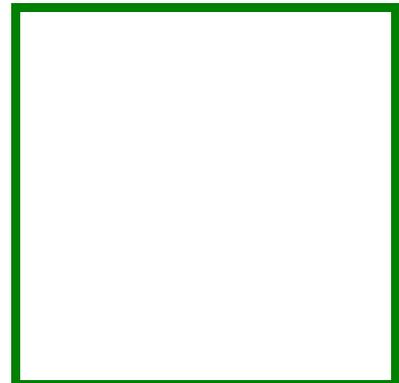
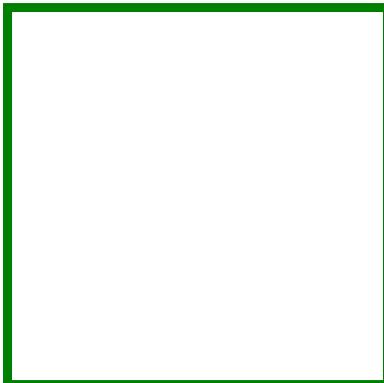
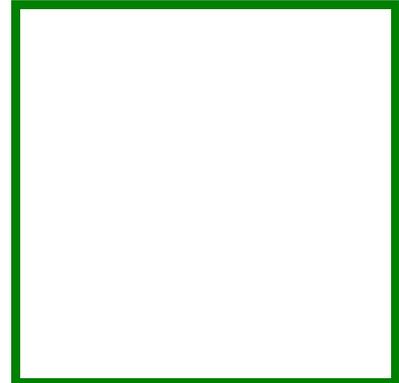
Tea bags (*Panax quinquefolius*)



Tea bags (*Panax quinquefolius*)



Tonic (*Panax quinquefolius*)



Annotation #4

- #4** All parts and derivatives, except:
- a) seeds, (including seedpods of Orchidaceae), spores and pollen (including pollinia). The exemption does not apply to seeds from Cactaceae spp. exported from Mexico, and to seeds from *Beccariophoenix madagascariensis* and *Neodypsis decaryi* exported from Madagascar;
 - b) seedling or tissue cultures obtained *in vitro*, in solid or liquid media, transported in sterile containers;
 - c) cut flowers of artificially propagated plants;
 - d) fruits, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genus *Vanilla* (Orchidaceae) and of the family Cactaceae;
 - e) stems, flowers, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genera *Opuntia* subgenus *Opuntia* and *Selenicereus* (Cactaceae); and
 - f) finished products of *Euphorbia antisiphilitica* packaged and ready for retail trade.

Species carrying this Annotation:

Appendix II:

Agave victoriae-reginae, *Aloe* spp., *Anacampseros* spp., *Avonia* spp., *Beccariophoenix madagascariensis*, *Bowenia* spp., CACTACEAE spp., *Caryocar costaricense*, *Cibotium barometz*, *Cistanche deserticola*, *Cyathea* spp., CYCADACEAE spp., *Cyclamen* spp., *Dicksonia* spp., DIDIEREACEAE spp., *Dionaea muscipula*, *Dioscorea deltoidea*, *Euphorbia* spp., *Fouquieria columnaris*, *Galanthus* spp., *Gonystylus* spp., *Hedychium philippinense*, *Lewisia serrata*, *Neodypsis decaryi*, *Nepenthes* spp., ORCHIDACEAE spp., *Oreomunnea pterocarpa*, *Pachypodium* spp., *Platymiscium pleiostachyum*, *Prunus africana*, *Sarracenia* spp., *Sternbergia* spp., *Swietenia humilis*, *Tillandsia harrisii*, *Tillandsia kammii*, *Tillandsia sucrei*, *Tillandsia xerographica*, *Welwitschia mirabilis*, ZAMIACEAE spp.

Explanation:

This is the Annotation which is most frequently used in the CITES Appendices. And, as you can see, it is the most complex one. The subparagraphs (a) to (f) specify which commodities are excluded from controls.

While the first three subparagraphs (a) - (c) apply to all of the taxa listed above, the latter three subparagraphs (d) - (f) only apply to the plants mentioned in them. This means, e.g., that the finished product exemption "f" only applies to *Euphorbia antisiphilitica*.

Care has also to be taken in subparagraph (a): Here, some commodities are counter-exempted: cacti seeds originating in MX are controlled and so are seed of some palm species from Madagascar.

Another source of confusion in the past in applying this Annotation relates to (d) and (e): Please note that in (d) the parts and derivatives are only exempt if they are produced from the fruits of *Vanilla* or the Cactaceae species, not from other parts of the plants. The same applies to (e).

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|--|--|
| „artificially propagated” | Cultivated under controlled conditions and fulfilling the specifications of Resolution Conf. 11.11 (Rev. CoP15) (http://www.cites.org/eng/res/11/11-11R15.php). |
| „cut flower” | Flowers or flower buds, often with some stem and leaf that have been cut from the plant bearing it. |
| „finished product packaged and ready for retail trade” | Products, shipped singly or in bulk, requiring no further processing, packaged, labelled for final use or the retail trade in a state fit for being sold to or used by the general public. |
| „flower” | Reproductive structure found in flowering plants, often having showy or colourful parts. |
| „fruit” | Seed-bearing organ of a plant. |
| „ <i>in vitro</i> ” | Direct translation: "in glass"; meaning in an artificial environment. |
| „naturalized” | Non-native, introduced species that has become established and reproduces freely. |
| „part and derivative” | See paragraph (3) on page 8. |
| „pollen” | Mass of small grains containing sperm cells of a plant. |
| „pollinia” | Mass of minute pollen grains held together by a sticky substance. |
| „seed” | Reproductive part of a fruit. Produced by all higher plants, consisting of an embryo and usually a seed-coat, with endosperm. |
| „seedling or tissue culture” | Method for growing cells, tissues or seedlings on an artificial nutrient medium. |
| „seedpod” | Plant structure that surrounds multiple seeds. |
| „spore” | Small grain capable of developing into a new individual. |
| „stem” | Main axis of a plant, bearing roots, leaves and/or flowers. |

„sterile“

Free of living organisms like microorganisms or bacteria.

Examples of commodities in trade (**red**: covered by CITES):



Stem of *Cistanche deserticola*



Bark pieces of *Prunus africana*



Root of *Gastrodia elata*



Roots of Orchidaceae (salep)



Roots of Orchidaceae (salep)



Stem hairs of *Cibotium barometz*



Stem pieces of *Cibotium barometz*



Stem pieces of *Cibotium barometz*



Cut stem of *Cistanche deserticola*



Stem pieces of *Dendrobium* sp.



Cut stem pieces of *Dendrobium* sp.



Sliced root of *Gastrodia elata*

Examples of commodities in trade (**red**: covered by CITES):



Cut roots of *Bletilla striata*



Cut root of *Gastrodia elata*



Bark chips of *Prunus africana*



Tea of *Aloe ferox*



Extract of *Aloe ferox*



Powdered extract of *Aloe ferox*



Powdered extract of *Dendrobium* sp.



Powdered bark of *Prunus africana*



Soft extract of *Prunus africana*



Solid extract of *Aloe barbadensis*



Paint brushes (*Gonystylus* sp.)



Kitchenware (*Gonystylus* sp.)

Examples of commodities in trade (**red**: covered by CITES):



Garden tools (*Gonystylus* sp.)



Mouldings (*Gonystylus* sp.)



Picture frames (*Gonystylus* sp.)



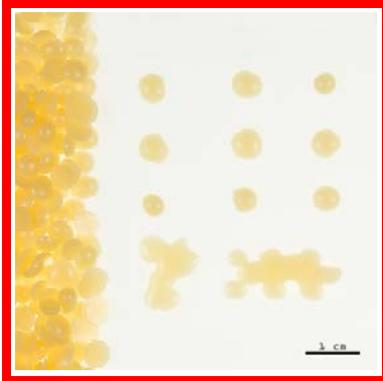
Flooring (*Gonystylus* sp.)



Plywood (*Gonystylus* sp.)



Wax blocks (*Euphorbia antisiphilitica*)



Wax pellets (*Euphorbia antisiphilitica*)



Extract (*Dendrobium* sp.)



Extract (*Aloe ferox*)



Extract (*Dendrobium* sp.)



Capsules (*Aloe ferox*)



Tablets (*Bletilla striata*)

Examples of commodities in trade (**red**: covered by CITES):



Capsules (*Cistanche deserticola*)



Granules (*Cistanche deserticola*)



Tablets (*Dionaea muscipula*)



Capsules (*Gastrodia elata*)



Capsules (*Gastrodia elata*)



Capsules (*Gastrodia elata*)



Capsules (*Prunus africana*)



Tincture (*Dionaea muscipula*)



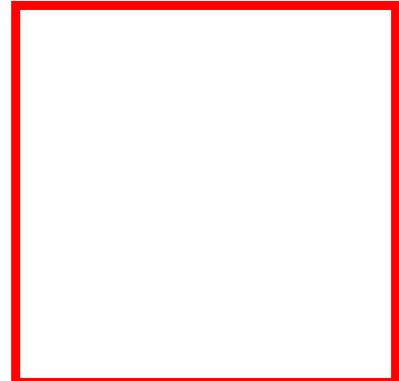
Ointment (*Aloe ferox*)



Creme (*Prunus africana*)



Shampoo (*Prunus africana*)



Examples of commodities in trade (**green**: not covered by CITES):



Fruit of *Hylocereus* sp. (pitaya)



Cacti fruits (*Opuntia* sp.)



Fruit of *Opuntia* sp.



Cacti fruits (*Opuntia* sp.)



Stem pads of *Opuntia* sp.



Pickled stem pads of *Opuntia* sp.



Fruit of *Vanilla* sp.



Cut flowers (orchids)



Cut flowers (orchids)



Orchids in sterile container



Orchids in sterile container



Orchids in sterile container

Examples of commodities in trade (green: not covered by CITES):



Orchids in sterile container



Orchids in sterile container



Orchids in sterile container



Orchids in sterile container



Orchids in sterile container



Nepenthes in sterile container



Wax pellets (*Euphorbia antisiphilitica*)



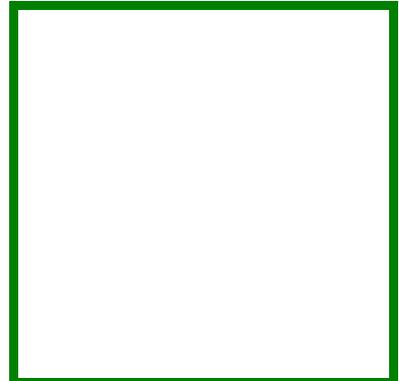
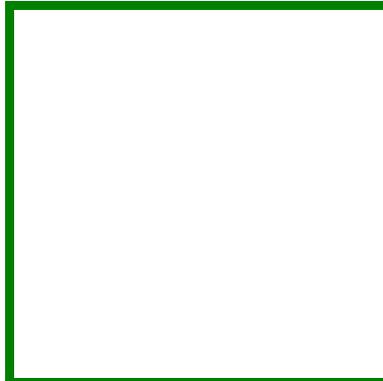
Wax pellets (*Euphorbia antisiphilitica*)



Balm (*Euphorbia antisiphilitica*)



Lip balm (*Euphorbia antisiphilitica*)



Annotation #5

#5 Logs, sawn wood and veneer sheets.

Species carrying this Annotation:

Appendix II:

Dalbergia cochinchinensis, *Dalbergia spp.*, *Diospyros spp.*, *Pericopsis elata*,
Swietenia mahagoni

Appendix III:

Cedrela fissilis (Bolivia, Brazil), *Cedrela lilloi* (Bolivia, Brazil), *Cedrela odorata*
(Bolivia, Brazil), *Fraxinus mandshurica* (Russian Federation), *Pinus koraiensis*
(Russian Federation), *Quercus mongolica* (Russian Federation)

Explanation:

This Annotation was designed for species which are in trade for their timber. The Annotations determines that no other commodities than logs, sawn wood and veneer sheets are controlled under CITES. All other commodities are excluded from CITES control.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|----------------|--|
| „log“ | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.03). |
| „sawn wood“ | Wood simply sawn lengthwise or produced by a profile-chipping process. Sawn wood normally exceeds 6 mm in thickness. (HS code 44.06, HS code 44.07). |
| „veneer sheet“ | Thin layers or sheets of wood of uniform thickness, usually 6 mm or less, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. (HS code 44.08). |

For this Annotation, no pictures of commodities exempt from CITES control have yet been identified.

Examples of commodities in trade (**red**: covered by CITES)¹:



Logs



Logs



Logs



Sawn wood



Sawn wood



Sawn wood



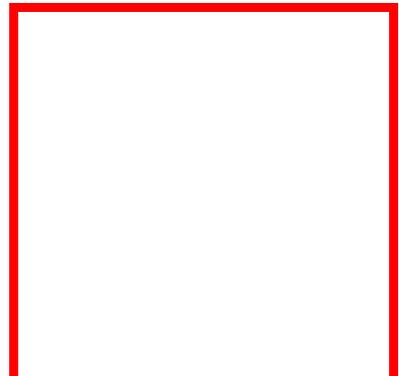
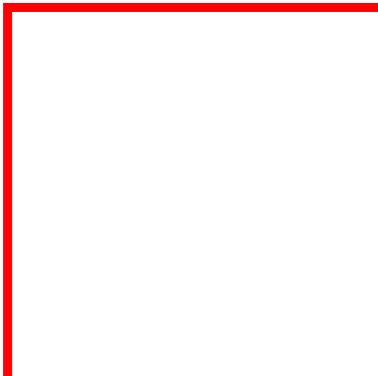
Veneer



Veneer



Veneer



¹ The photos on this page to illustrate logs, sawn wood, and veneer are generic and not species-specific.

Annotation #6

#6 Logs, sawn wood, veneer sheets and plywood.

Species carrying this Annotation:

Appendix II:

Dalbergia granadillo, *Dalbergia retusa*, *Dalbergia stevensonii*, *Swietenia macrophylla*

Appendix III:

Dalbergia calycina (Guatemala), *Dalbergia cubilquitzensis* (Guatemala),
Dalbergia glomerata (Guatemala), *Dalbergia tucurensis* (Guatemala, Nicaragua)

Explanation:

This Annotation was designed for species which are in trade for their timber. The Annotations determines that no other commodities than logs, sawn wood, veneer sheets, and plywood are controlled under CITES. All other commodities are excluded from CITES control.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms

| | |
|----------------|--|
| „log" | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.03). |
| „plywood" | Consisting of three or more sheets of wood glued and pressed one on the other and generally disposed so that the grains of successive layers are at an angle (HS code 44.12.13, HS code 44.12.14, and HS code 44.12.22). |
| „sawn wood" | Wood simply sawn lengthwise or produced by a profile-chipping process. Sawn wood normally exceeds 6 mm in thickness. (HS code 44.06, HS code 44.07). |
| „veneer sheet" | Thin layers or sheets of wood of uniform thickness, usually 6 mm or less, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. (HS code 44.08). |

For this Annotation, no pictures of commodities exempt from CITES control have yet been identified.

Examples of commodities in trade (**red**: covered by CITES)²:



Logs



Logs



Logs



Sawn wood



Sawn wood



Sawn wood



Veneer



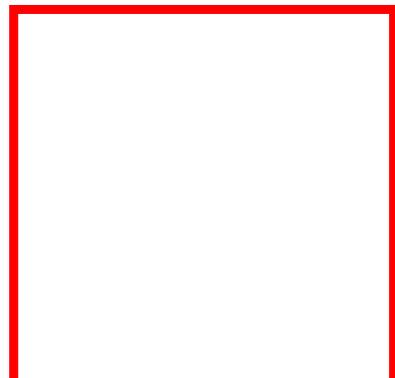
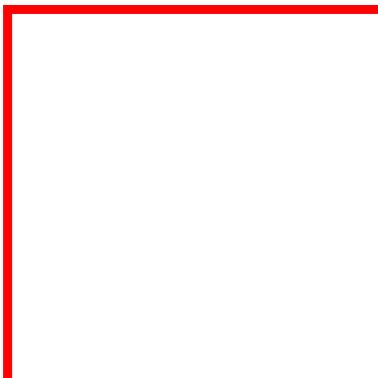
Veneer



Veneer



Plywood



² The photos on this page to illustrate logs, sawn wood, veneer, and plywood are generic and not species-specific.

Annotation #7

#7 Logs, wood-chips, powder and extracts.

Species carrying this Annotation:

Appendix II:

Pterocarpus santalinus

Explanation:

This Annotation was designed and is used for only one species, Red Sanders, a species endemic to India which is both traded for its valuable timber but also for its use as a dye and medicinal plant. This is why the Annotations lists commodities from both of these market sectors.

The Annotations determines that no other commodities than logs, wood-chips, powder and extracts are controlled under CITES. All other commodities are excluded from CITES control.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|-------------|--|
| „extract” | Any substance obtained directly from plant material by physical or chemical means regardless of the manufacturing process. An extract may be solid (e.g. crystals, resin, fine or coarse particles), semisolid (e.g. gums, waxes) or liquid (e.g. solutions, tinctures, oil and essential oils). |
| „log” | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.03). |
| „powder” | A dry, solid substance in the form of fine or coarse particles. |
| „wood-chip” | Wood that has been reduced to small pieces. |

Examples of commodities in trade (**red**: covered by CITES)³:



Logs



Logs



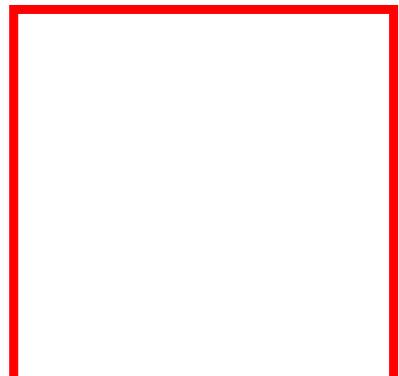
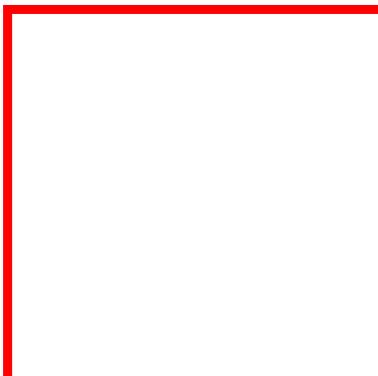
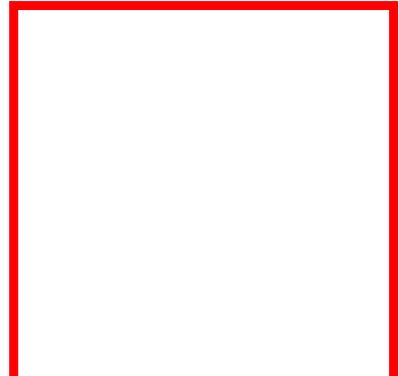
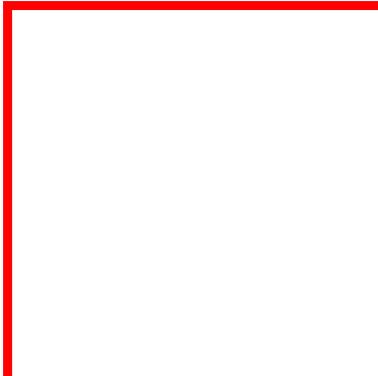
Logs



Wood pieces of *Pterocarpus santalinus*



Wood chips of *Pterocarpus santalinus*



³ The photos on this page to illustrate logs are generic and not species-specific.

Examples of commodities in trade (**green**: not covered by CITES):



Chopsticks (*Pterocarpus santalinus*)



Beads (*Pterocarpus santalinus*)



Body powder (*Pterocarpus santalinus*)



Incense sticks (*Pterocarpus santalinus*)



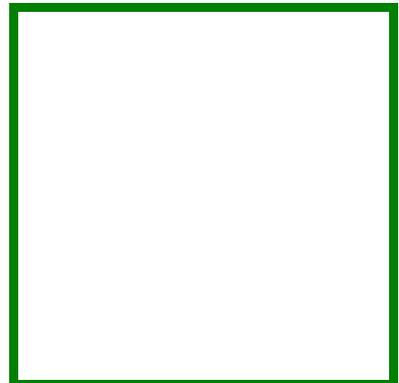
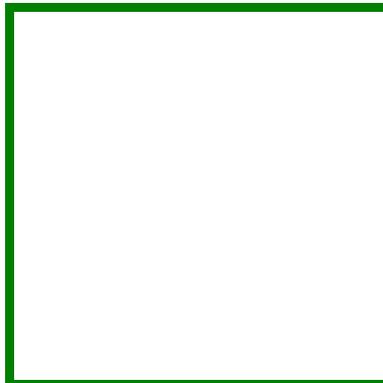
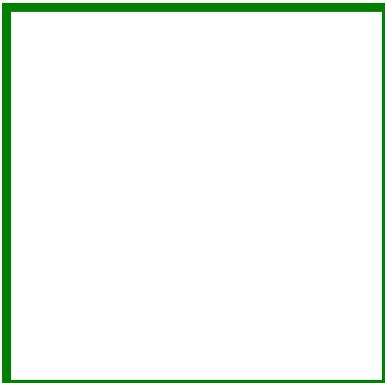
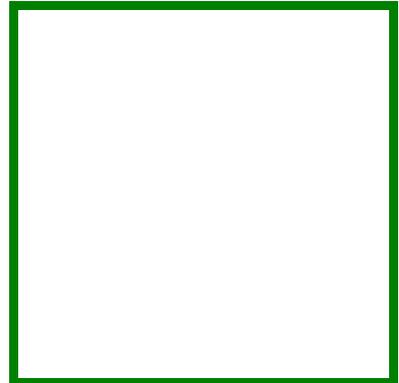
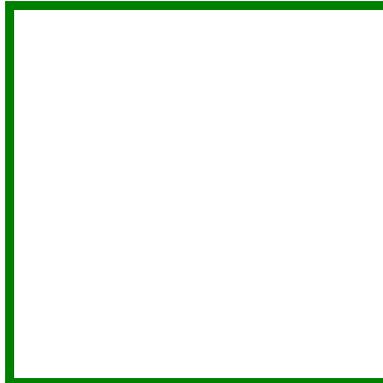
Incense containing *Pterocarpus santalinus*



Incense containing *Pterocarpus santalinus*



Incense containing *Pterocarpus santalinus*



Annotation #8

#8 Underground parts (i.e. roots, rhizomes): whole, parts and powdered.

Species carrying this Annotation:

Appendix II:

Hydrastis canadensis

Explanation:

This Annotation was designed and is used for only one species, Goldenseal, a species from North America which is in trade as a medicinal plant.

The Annotation determines that no other commodities than the underground parts of the plant are controlled by CITES. In brackets it explains that roots and rhizomes are the two underground plant organs that this species develops.

Then the range of commodities controlled is further narrowed down by text after the colon: The underground parts are only controlled if they are traded as whole roots or rhizomes, if they are cut into pieces or if they are in powdered form. No other processing state of the underground parts is controlled.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|--------------------------|---|
| „powdered” → „powder” | A dry, solid substance in the form of fine or coarse particles. |
| “powder” | A dry, solid substance in the form of fine or coarse particles. |
| „rhizome” | Underground stem, distinguished from root by its nodes, buds or scale-like leaves. |
| „root” | All underground organs or parts of a plant including bulbs, rhizomes, corms, caudices, and tubers |
| „underground part” | Any subterranean plant part, e.g. root, rhizome, bulb, tuber, corm or caudice. |

Examples of commodities in trade (**red**: covered, **green**: not covered by CITES):



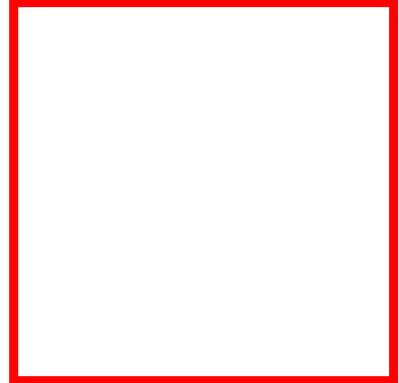
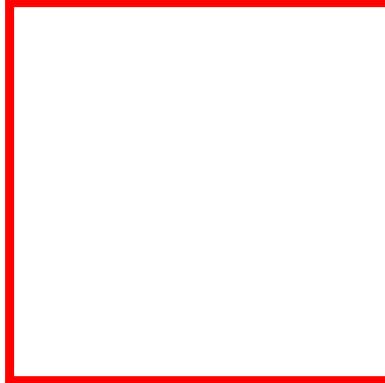
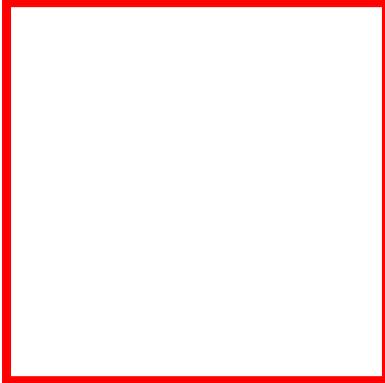
Roots of *Hydrastis canadensis*



Cut roots of *Hydrastis canadensis*



Powdered root of *Hydrastis canadensis*



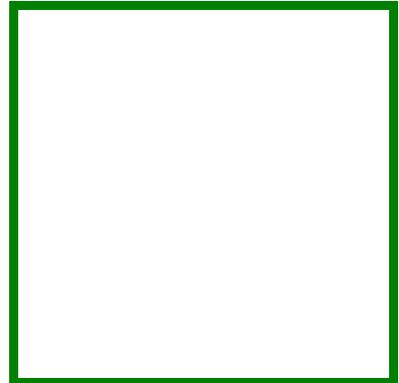
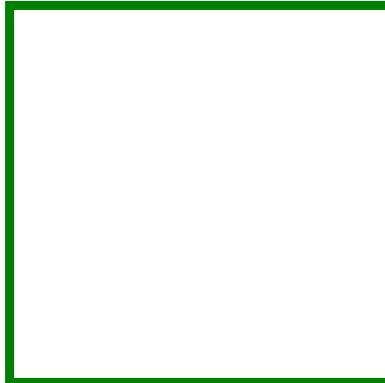
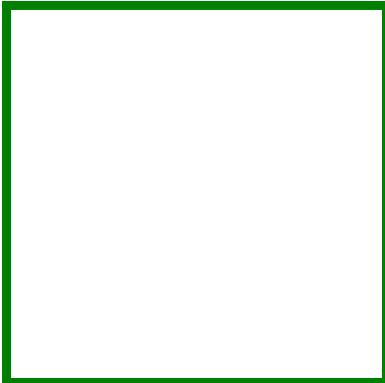
Capsules (*Hydrastis canadensis*)



Tincture (*Hydrastis canadensis*)



Ointment (*Hydrastis canadensis*)



Annotation #9

#9 All parts and derivatives except those bearing a label: „Produced from *Hoodia* spp. material obtained through controlled harvesting and production under the terms of an agreement with the relevant CITES Management Authority of [Botswana under agreement No. BW/xxxxxx] [Namibia under agreement No. NA/xxxxxx] [South Africa under agreement No. ZA/xxxxxx]”.

Species carrying this Annotation:

Appendix II:

Hoodia spp.

Explanation:

This Annotation is only used for the *Hoodia* species included in Appendix II. It has been proposed by the three major range states of these species, Botswana, Namibia and South Africa and was then adopted by the CITES CoP. Its purpose is to exclude certain products from CITES controls if they have been approved by these governments under a certification scheme and if they carry a label to that end.

However, since none of the countries have so far issued such labels, this possible exemption has never come into being. This means that currently all parts and derivatives of *Hoodia* spp. are controlled by CITES.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

„part and derivative” See paragraph (3) on page 8.

For this Annotation, no pictures of commodities exempt from CITES control have yet been identified.

Examples of commodities in trade (**red**: covered by CITES):



Stem pieces of *Hoodia* sp.



Powdered stem *Hoodia* sp.



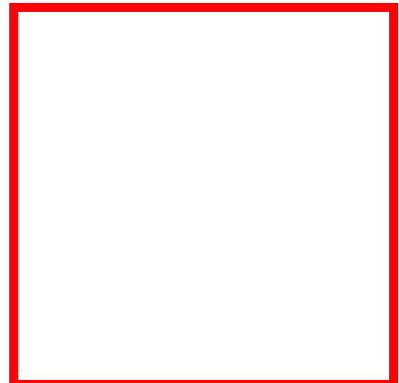
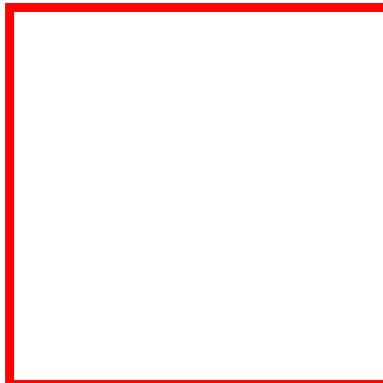
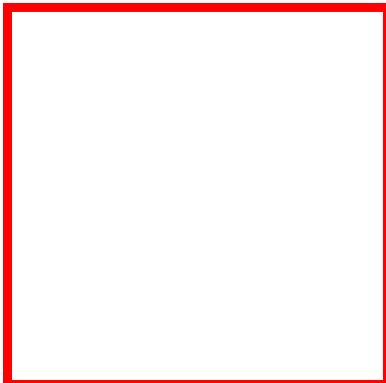
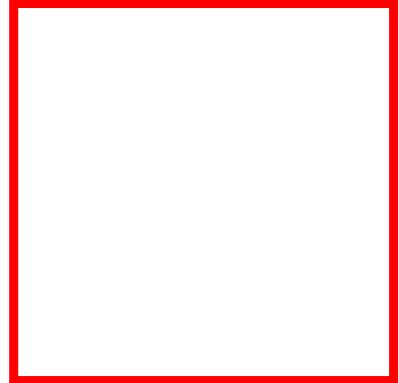
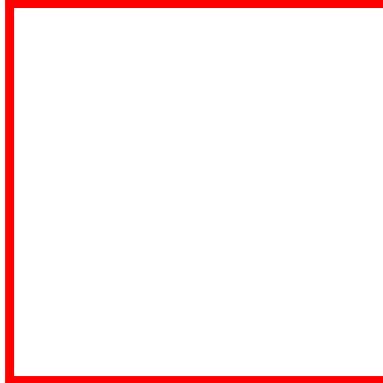
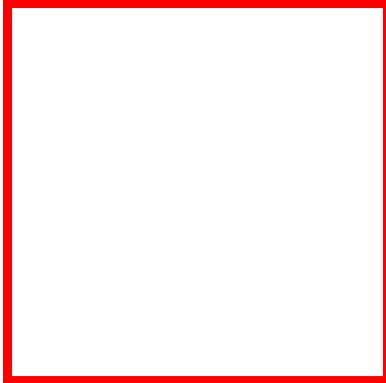
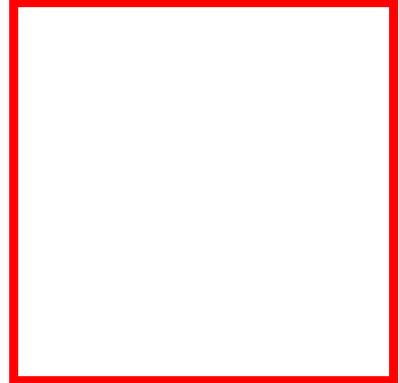
Capsules (*Hoodia* sp.)



Chewing gum (*Hoodia* sp.)



Plaster (*Hoodia* sp.)



Annotation #10

#10 Logs, sawn wood, veneer sheets, including unfinished wood articles used for the fabrication of bows for stringed musical instruments.

Species carrying this Annotation:

Appendix II:

Caesalpinia echinata

Explanation:

This Annotation was designed and is used for only one species, Pao Brazil, a species endemic to Brazil which is in trade for its valuable timber.

The Annotations determines that no other commodities than logs, sawn wood, veneer sheets are controlled under CITES. It then goes on to say that also “unfinished wood articles used for the fabrication of bows for stringed musical instruments” are controlled. This relates to the fact that the timber is mainly used for making high-end violin bows. Semi-processed blocks of this hardwood are in trade and are controlled by CITES under this Annotation. All other commodities are excluded from CITES control.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|----------------|--|
| „log“ | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.03). |
| „sawn wood“ | Wood simply sawn lengthwise or produced by a profile-chipping process. Sawn wood normally exceeds 6 mm in thickness. (HS code 44.06, HS code 44.07). |
| „veneer sheet“ | Thin layers or sheets of wood of uniform thickness, usually 6 mm or less, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. (HS code 44.08). |

Examples of commodities in trade (**red**: covered, **green**: not covered by CITES)⁴:



Logs



Sawn wood



Veneer



Unfinished bows (*Caesalpinia echinata*)



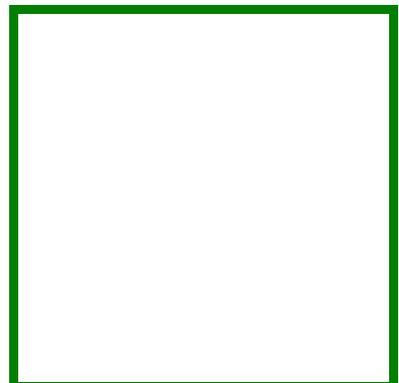
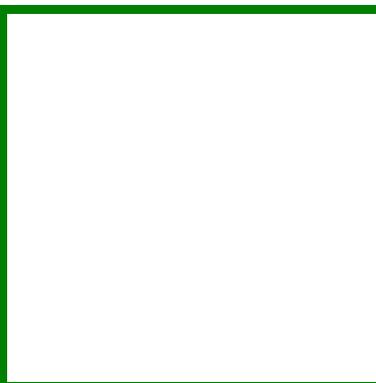
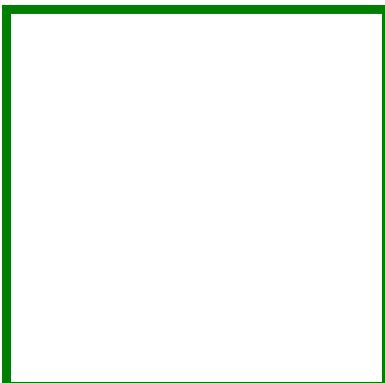
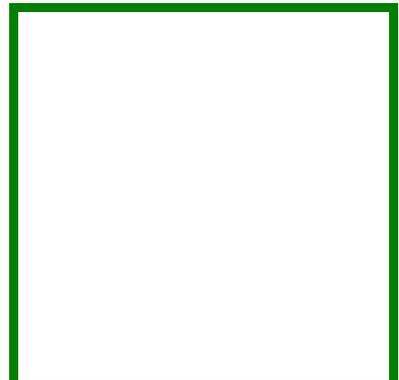
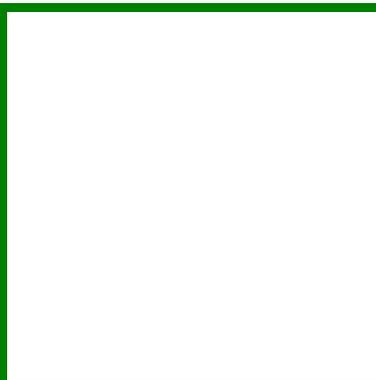
Unfinished bows (*Caesalpinia echinata*)



Unfinished bows (*Caesalpinia echinata*)



Finished bows (*Caesalpinia echinata*)



⁴ The photos on this page to illustrate logs, sawn wood, and veneer are generic and not species-specific.

Annotation #11

#11 Logs, sawn wood, veneer sheets, plywood, powder and extracts.

Species carrying this Annotation:

Appendix II:

Bulnesia sarmientoi

Explanation:

This Annotation was designed and is used for only one species, *Bulnesia sarmientoi*, a species from Latin America which is both traded for its timber but also for its use as a medicinal plant. This is why the Annotations lists commodities from both of these market sectors.

The Annotations determines that no other commodities than logs, sawn wood, veneer sheets, plywood, powder and extracts are controlled under CITES. All other commodities are excluded from CITES control.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|----------------|--|
| „extract“ | Any substance obtained directly from plant material by physical or chemical means regardless of the manufacturing process. An extract may be solid (e.g. crystals, resin, fine or coarse particles), semisolid (e.g. gums, waxes) or liquid (e.g. solutions, tinctures, oil and essential oils). |
| „log“ | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.03). |
| „plywood“ | Consisting of three or more sheets of wood glued and pressed one on the other and generally disposed so that the grains of successive layers are at an angle (HS code 44.12.13, HS code 44.12.14, and HS code 44.12.22). |
| „powder“ | A dry, solid substance in the form of fine or coarse particles. |
| „sawn wood“ | Wood simply sawn lengthwise or produced by a profile-chipping process. Sawn wood normally exceeds 6 mm in thickness. (HS code 44.06, HS code 44.07). |
| „veneer sheet“ | Thin layers or sheets of wood of uniform thickness, usually 6 mm or less, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. (HS code 44.08). |

Examples of commodities in trade (**red**: covered by CITES)⁵:



Logs



Logs



Logs



Sawn wood



Sawn wood



Sawn wood



Veneer



Veneer



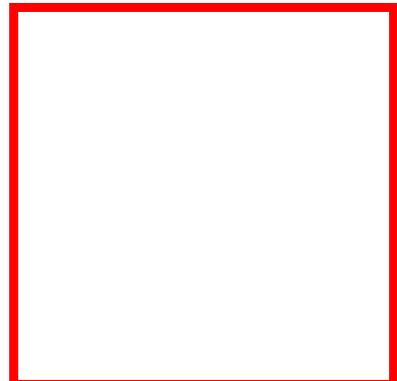
Veneer



Plywood



Essential oil (*Bulnesia sarmientoi*)



⁵ The photos on this page to illustrate logs, sawn wood, veneer, and plywood are generic and not species-specific.

Examples of commodities in trade (**green**: not covered by CITES):



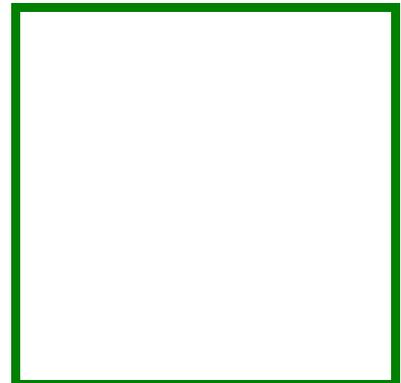
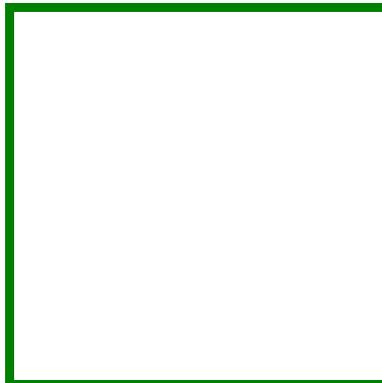
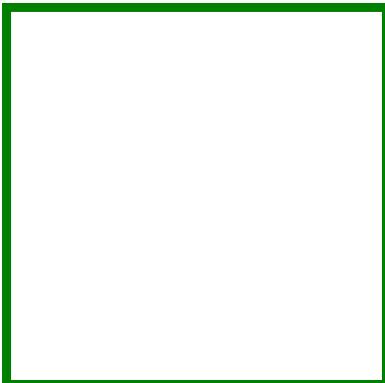
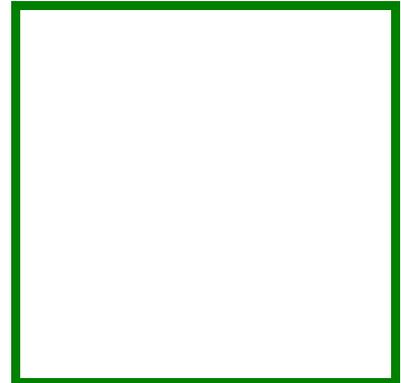
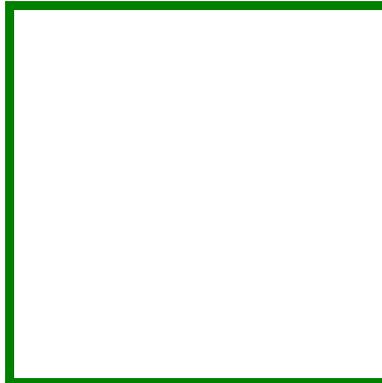
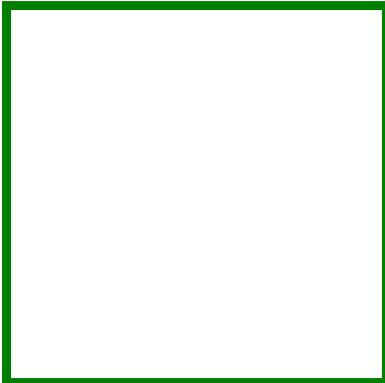
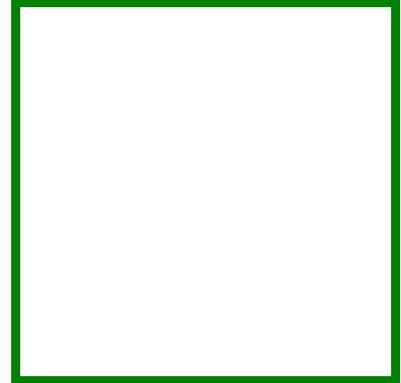
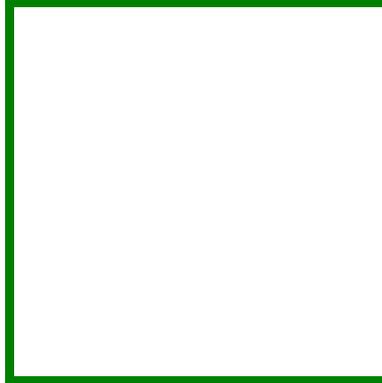
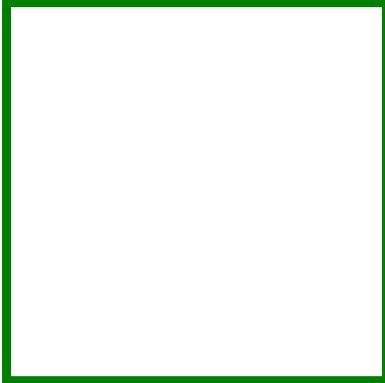
Creme (*Bulnesia sarmiento*)



Mosquito coil (*Bulnesia sarmiento*)



Kitchenware (*Bulnesia sarmiento*)



Annotation #12

#12 Logs, sawn wood, veneer sheets, plywood and extracts. Finished products containing such extracts as ingredients, including fragrances, are not considered to be covered by this annotation.

Species carrying this Annotation:

Appendix II:

Aniba rosaeodora

Explanation:

This Annotation was designed and is used for only one species, Brazilian Rosewood, a species endemic to Brazil which is mainly traded as high-quality oil used in the cosmetics sector.

The Annotations determines that no other commodities than logs, sawn wood, veneer sheets, plywood, and extracts are controlled under CITES. All other commodities are excluded from CITES control.

It is, however, still a matter of debate among CITES parties to what extent or percentage mixtures and fragrances containing extracts are covered by this Annotation.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|--|--|
| „extract” | Any substance obtained directly from plant material by physical or chemical means regardless of the manufacturing process. An extract may be solid (e.g. crystals, resin, fine or coarse particles), semisolid (e.g. gums, waxes) or liquid (e.g. solutions, tinctures, oil and essential oils). |
| „finished product packaged and ready for retail trade” | Products, shipped singly or in bulk, requiring no further processing, packaged, labelled for final use or the retail trade in a state fit for being sold to or used by the general public. |
| „fragrance” | Compound that has a smell or an odour. |
| „log” | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.03). |

| | |
|----------------|--|
| „plywood” | Consisting of three or more sheets of wood glued and pressed one on the other and generally disposed so that the grains of successive layers are at an angle (HS code 44.12.13, HS code 44.12.14, and HS code 44.12.22). |
| „sawn wood” | Wood simply sawn lengthwise or produced by a profile-chipping process. Sawn wood normally exceeds 6 mm in thickness. (HS code 44.06, HS code 44.07). |
| „veneer sheet” | Thin layers or sheets of wood of uniform thickness, usually 6 mm or less, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. (HS code 44.08). |

Examples of commodities in trade (**red**: covered, **green**: not covered by CITES)⁶:



Logs



Sawn wood



Veneer



Plywood



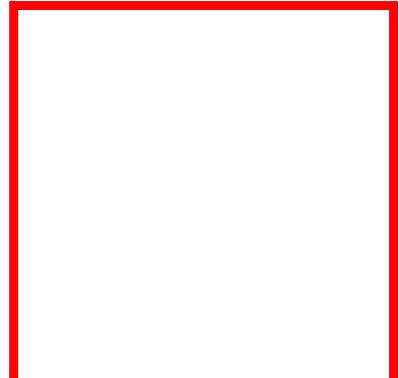
Oil drums (*Aniba rosaeodora*)



Rosewood oil (*Aniba rosaeodora*)



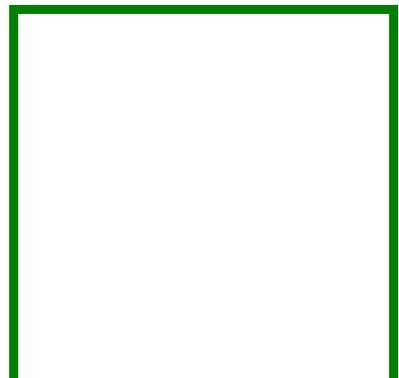
Oil of *Aniba rosaeodora*



Shower gel (*Aniba rosaeodora*)



Soap (*Aniba rosaeodora*)



⁶ The photos on this page to illustrate logs, sawn wood, veneer, and plywood are generic and not species-specific.

Annotation #13

#13 The kernel (also known as 'endosperm', 'pulp' or 'copra') and any derivative thereof.

Species carrying this Annotation:

Appendix III:

Lodoicea maldivica (Seychelles)

Explanation:

This Annotation was designed and is used for only one species, Coco de Mer, a palm species endemic to some islands of the Seychelles. This species has been included in Appendix III upon request of the government of the Seychelles.

This palm species is famous for producing the largest and heaviest seeds of the plant kingdom. The hard outer shells of the fruits are in trade as a curio. Also traded is the endosperm, i.e. the tissue inside of the fruit which is used for cosmetics and medicinal purposes.

The Annotations determines that beyond live and dead specimens, the only commodities controlled by CITES are the “kernel” and its derivatives. In brackets several other names for the kernel are given. By including the phrase “and any derivative thereof”, the Annotation makes clear that only products derived from the kernel are controlled by CITES. It is hence clear that the outer hard shell of the fruit is not covered by CITES, only the endosperm is controlled.

We interpret the phrase “and any derivate thereof” as to include all finished products in the controls of CITES.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|--------------|---|
| „derivative” | Any processed part of an animal or plant (e.g. medicine, perfume, etc.). |
| „endosperm” | Starchy or oil rich material produced inside the plant seed which nourishes the embryo. |
| „kernel” | The nutritive tissue of a seed. |
| „pulp” | Inner, soft or juicy part of a fruit or vegetable. |

Examples of commodities in trade (**red**: covered, **green**: not covered by CITES):



Kernel (*Lodoicea maldivica*)



Kopra, endosperm of *Lodoicea maldivica*



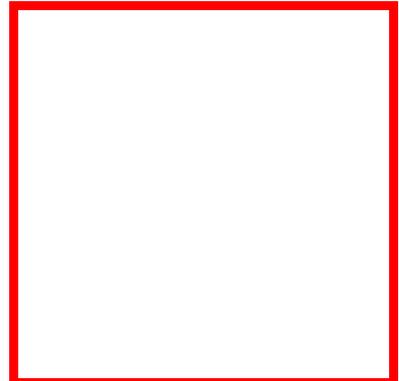
Kopra, endosperm of *Lodoicea maldivica*



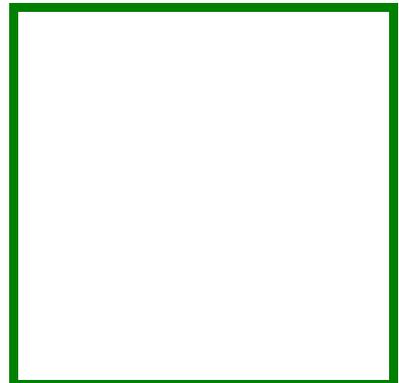
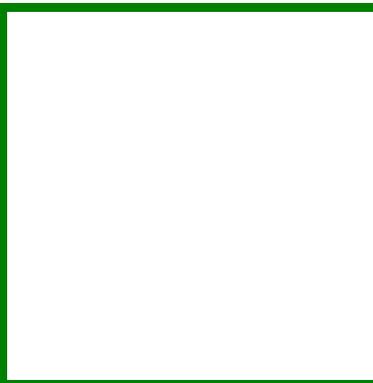
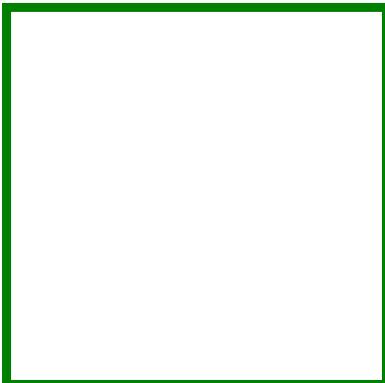
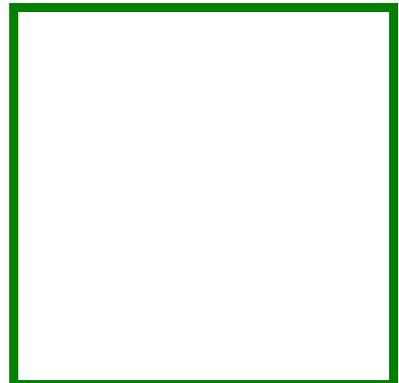
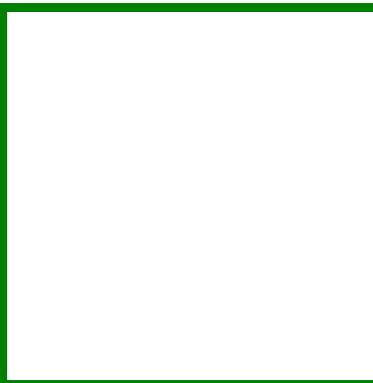
Cough syrup (*Lodoicea maldivica*)



Finished product of *Lodoicea maldivica*



Seed (*Lodoicea maldivica*)



Annotation #14

#14 All parts and derivatives except: a) seeds and pollen; b) seedling or tissue cultures obtained in vitro, in solid or liquid media, transported in sterile containers; c) fruits; d) leaves; e) exhausted agarwood powder, including compressed powder in all shapes; and f) finished products packaged and ready for retail trade, this exemption does not apply to beads, prayer beads and carvings.

Species carrying this Annotation:

Appendix II:

Aquilaria spp., *Gyrinops* spp.

Explanation:

This is another complex Annotation which is divided in a number of subparagraphs specifying which commodities are excluded from CITES controls. This Annotation has been elaborated specifically for the 'agarwood' trade. A number of tree species from the plant genera *Aquilaria* and *Gyrinops* produce a special type of hardwood called 'agarwood' which is a valuable raw material for the cosmetics sector.

Subparagraphs (a) and (b) are the same as in Annotation #4. Subparagraphs (c) and (d) exclude fruits and leaves of these species from CITES controls.

Subparagraph (e) excludes "exhausted agarwood powder. This is the residue of powdered wood after the extraction of agarwood oil. Powder before extraction is therefore under CITES control. It is, however, difficult to distinguish the two states. Colour and smell of the powder have been claimed to be distinguishing characters but identification material is yet to be produced.

The exhausted powder is sometimes compressed and molded and turned into figurines; these are also excluded from controls.

Subparagraph (f) excluded finished products in retail trade for the end-user from CITES controls. This applies to the significant trade in perfumery products. However, some finished products are counter-exempted: Beads, prayer beads and carvings do need CITES permits. They are produced from high-value agarwood.

Please note that live and complete dead specimens (as specified Article I of the Convention text; see box on page 7) are of course always controlled by CITES.

Definition of terms:

| | |
|--|--|
| „artificially propagated" | Cultivated under controlled conditions and fulfilling the specifications of Resolution Conf. 11.11 (Rev. CoP15) (http://www.cites.org/eng/res/11/11-11R15.php). |
| „bead" | Small, usually round piece of material pierced for stringing. |
| "carving" | Sculpture created by removing wood in order to create a desired shape. |
| "compressed powder" | Wood powder compressed into various compact shapes by pressure and maintained by chemical or natural binder. |
| „cut flower" | Flowers or flower buds, often with some stem and leaf that have been cut from the plant bearing it. |
| "exhausted powder" | Wood powder from which the fragrant oil or other content has been exhausted or nearly exhausted through chemical or physical methods. |
| „finished product packaged and ready for retail trade" | Products, shipped singly or in bulk, requiring no further processing, packaged, labelled for final use or the retail trade in a state fit for being sold to or used by the general public. |
| „flower" | Reproductive structure found in flowering plants, often having showy or colourful parts. |
| „fruit" | Seed-bearing organ of a plant. |
| „ <i>in vitro</i> " | Direct translation: "in glass"; meaning in an artificial environment. |
| "leaf" | Chlorophyll-bearing lateral outgrowth from the stem of a plant. |
| „naturalized" | Non-native, introduced species that has become established and reproduces freely. |
| „part and derivative" | See paragraph (3) on page 8. |
| „pollen" | Mass of small grains containing sperm cells of a plant. |
| „pollinia" | Mass of minute pollen grains held together by a sticky substance. |
| "prayer bead" | String of beads used in counting prayers. |
| „seed" | Reproductive part of a fruit. Produced by all higher plants, consisting of an embryo and usually a seed-coat, with endosperm. |
| „seedling or tissue culture" | Method for growing cells, tissues or seedlings on an artificial nutrient medium. |
| „seedpod" | Plant structure that surrounds multiple seeds. |

| | |
|-----------|---|
| „spore” | Small grain capable of developing into a new individual. |
| „stem” | Main axis of a plant, bearing roots, leaves and/or flowers. |
| „sterile” | Free of living organisms like microorganisms or bacteria. |

Examples of commodities in trade (**red**: covered by CITES):



Wood pieces



Wood chips



Wood chips



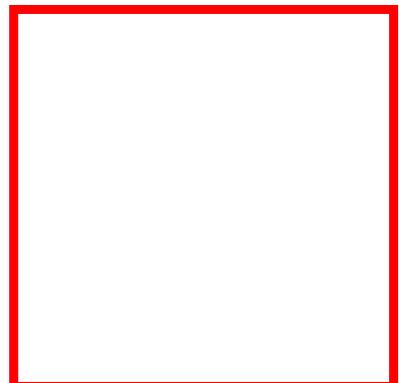
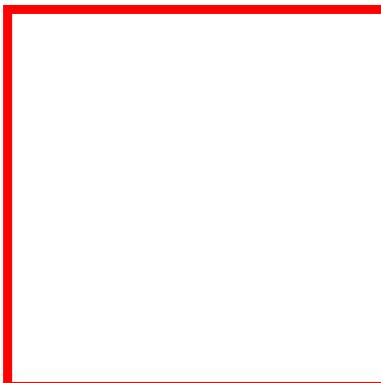
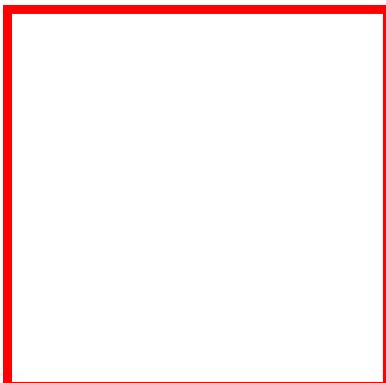
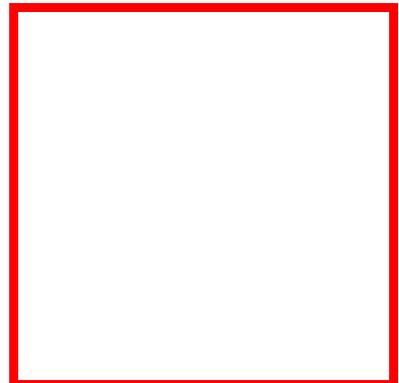
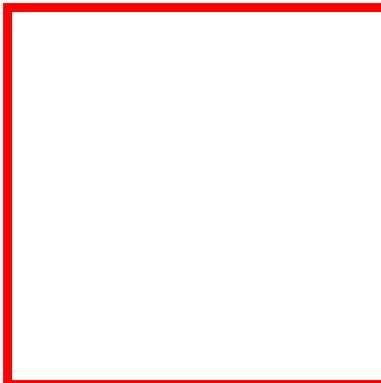
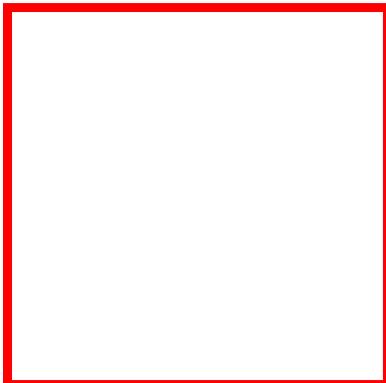
Powder



Beads



Beads



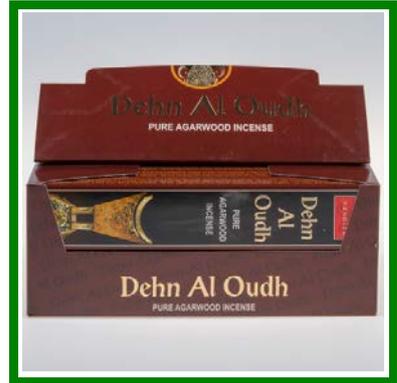
Examples of commodities in trade (**green**: not covered by CITES):



Finished product



Finished product



Finished product



Finished product



Compressed Powder



Finished product



Compressed powder



Compressed powder

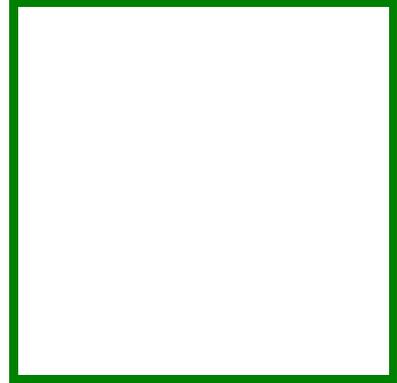
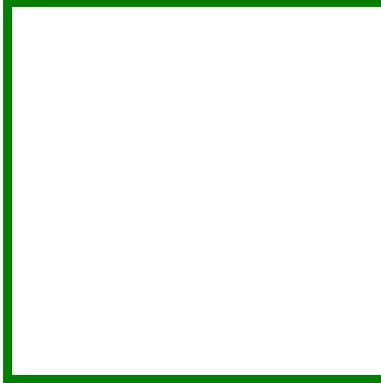
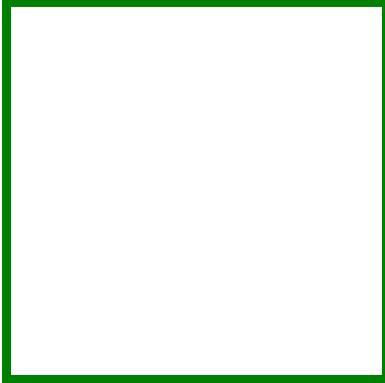
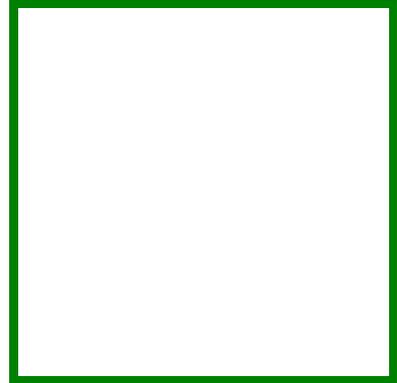


Photo credits

Explanation: Author credits are referenced to photos by stating page, line and position of photo from left.

Example: “14-2-3” identifies the 3rd photo from left in the 2nd line of page 14

12-1-1: Transforester SA de CV; 12-1-2: BfN; 12-1-3: BfN; 12-2-1: BfN; 12-2-2: BfN;
 12-2-3: BfN; 12-3-1: BfN; 12-3-2: BfN; 12-3-3: BfN; 12-4-1: C. Rutherford; 12-4-2: BfN;
 12-4-3: Transforester SA de CV; 13-1-1: BfN; 13-1-2: M. Groves; 13-1-3: UK Border Force;
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 14-3-2: BfN; 14-3-3: BfN; 14-4-1: BfN; 14-4-2: Jiangsu Yew Pharmaceutical Co.;
 14-4-3: Tri-Lion Pharmaceutical Co. Harbin;

16-1-1: BfN; 16-1-2: BfN; 16-1-3: BfN; 16-2-1: BfN; 16-2-2: BfN; 16-2-3: BfN; 16-3-1: BfN;
 16-3-2: BfN; 17-1-1: BfN; 17-1-2: BfN; 17-1-3: BfN; 17-2-1: BfN;

21-1-1: BfN; 21-1-2: BfN; 21-1-3: BfN; 21-2-1: BfN; 21-2-2: BfN; 21-2-3: BfN; 21-3-1: BfN;
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 25-2-2: A. Rios, Conabio; 25-2-3: BfN; 25-3-1: BfN; 25-3-2: M. Groves; 25-3-3: M. Groves;
 25-4-1: RGB Kew; 25-4-2: RGB Kew; 25-4-3: RGB Kew; 26-1-1: M. Groves;
 26-1-2: W. Bongers; 26-1-3: M. Groves; 26-2-1: M. Groves; 26-2-2: M. Groves;
 26-2-3: Borneo Exotics; 26-3-1: BfN; 26-3-2: BfN; 26-3-3: BfN; 26-4-1: BfN;

28-1-1: A.I. Fiona Ruiz; 28-1-2: ITTO; 28-1-3: CITES MA Belgium; 28-2-1: RGB Kew;
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 28-3-3: ITTO;

30-1-1: A.I. Fiona Ruiz; 30-1-2: ITTO; 30-1-3: CITES MA Belgium; 30-2-1: RGB Kew; 30-2-2:
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 30-3-3: ITTO; 30-4-1: Wiki Creative Commons;

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Inspectorate; 33-2-3: Czech Environmental Inspectorate; 33-3-1: Czech Environmental Inspectorate;

35-1-1: BfN; 35-1-2: BfN; 35-1-3: BfN; 35-3-1: BfN; 35-3-2: BfN; 35-3-3: BfN;

37-1-1: BfN; 37-1-2: BfN; 37-1-3: BfN; 37-2-1: BfN; 37-2-2: BfN;

39-1-1: A.I. Fiona Ruiz; 39-1-2: RGB Kew; 39-1-3: ITTO; 39-2-1: R. Grünke; 39-2-2: J. Wang; 39-2-3: J. Wang; 39-3-1: P. Beare;

41-1-1: A.I. Fiona Ruiz; 41-1-2: ITTO; 41-1-3: CITES MA Belgium; 41-2-1: RGB Kew; 41-2-2: Transforester SA de CV; 41-2-3: Transforester SA de CV; 41-3-1: ITTO; 41-3-2: ITTO; 41-3-3: ITTO; 41-4-1: Wiki Creative Commons; 41-4-2: BfN; 42-1-1: BfN; 42-1-2: C. Rutherford; 42-1-3: RGB Kew;

45-1-1: A.I. Fiona Ruiz; 45-1-2: RGB Kew; 45-1-3: ITTO; 45-2-1: Wiki Creative Commons; 45-2-2: C. Magaldi; 45-2-3: C. Rutherford; 45-3-1: BfN; 45-4-1: BfN; 45-4-2: C. Rutherford;

47-1-1: M. Gisiger; 47-1-2: R. Fanchette, CITES Seychelles; 47-1-3: R. Fanchette, CITES Seychelles; 47-2-1: Mike Gray, PACSOA; 47-2-2: BfN; 47-3-1: Wiki Creative Commons;

51-1-1: BfN; 51-1-2: BfN; 51-1-3: BfN; 51-2-1: BfN; 51-2-2: BfN; 51-2-3: BfN; 52-1-1: BfN; 52-1-2: BfN; 52-1-3: BfN; 52-2-1: BfN; 52-2-2: BfN; 52-2-3: BfN; 52-3-1: BfN; 52-3-2: BfN.

Annexes

Current # Annotations

- #1** All parts and derivatives, except:
- a) seeds, spores and pollen (including pollinia);
 - b) seedling or tissue cultures obtained *in vitro*, in solid or liquid media, transported in sterile containers;
 - c) cut flowers of artificially propagated plants; and
 - d) fruits and parts and derivatives thereof, of artificially propagated plants of the genus *Vanilla*.
- #2** All parts and derivatives except:
- a) seeds and pollen; and
 - b) finished products packaged and ready for retail trade.
- #3** Whole and sliced roots and parts of roots, excluding manufactured parts or derivatives, such as powders, pills, extracts, tonics, teas and confectionery.
- #4** All parts and derivatives, except:
- a) seeds, (including seedpods of Orchidaceae), spores and pollen (including pollinia). The exemption does not apply to seeds from Cactaceae spp. exported from Mexico, and to seeds from *Beccariophoenix madagascariensis* and *Neodypsis decaryi* exported from Madagascar;
 - b) seedling or tissue cultures obtained *in vitro*, in solid or liquid media, transported in sterile containers;
 - c) cut flowers of artificially propagated plants;
 - d) fruits, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genus *Vanilla* (Orchidaceae) and of the family Cactaceae;
 - e) stems, flowers, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genera *Opuntia* subgenus *Opuntia* and *Selenicereus* (Cactaceae); and
 - f) finished products of *Euphorbia antisyphilitica* packaged and ready for retail trade.
- #5** Logs, sawn wood and veneer sheets.
- #6** Logs, sawn wood, veneer sheets and plywood.
- #7** Logs, wood-chips, powder and extracts.
- #8** Underground parts (i.e. roots, rhizomes): whole, parts and powdered.
- #9** All parts and derivatives except those bearing a label: „Produced from Hoodia spp. material obtained through controlled harvesting and production under the terms of an agreement with the relevant CITES Management Authority of [Botswana under agreement No. BW/xxxxxx] [Namibia under agreement No. NA/xxxxxx] [South Africa under agreement No. ZA/xxxxxx]”.
- #10** Logs, sawn wood, veneer sheets, including unfinished wood articles used for the fabrication of bows for stringed musical instruments.

- #11** Logs, sawn wood, veneer sheets, plywood, powder and extracts.
- #12** Logs, sawn wood, veneer sheets, plywood and extracts. Finished products containing such extracts as ingredients, including fragrances, are not considered to be covered by this annotation
- #13** The kernel (also known as 'endosperm', 'pulp' or 'copra') and any derivative thereof.
- #14** All parts and derivatives except:
- a) seeds and pollen;
 - b) seedling or tissue cultures obtained in vitro, in solid or liquid media, transported in sterile containers;
 - c) fruits;
 - d) leaves;
 - e) exhausted agarwood powder, including compressed powder in all shapes; and
 - f) finished products packaged and ready for retail trade, this exemption does not apply to beads, prayer beads and carvings.

Annotations and their CITES plant taxa

| Annot | Species | Appendix |
|-----------|---|----------|
| #1 | | |
| | <i>Gnetum montanum</i> | III |
| | <i>Magnolia liliifera</i> var. <i>obovata</i> | III |
| | <i>Meconopsis regia</i> | III |
| | <i>Podocarpus neriifolius</i> | III |
| | <i>Pterocarpus erinacea</i> | III |
| | <i>Tetracentron sinense</i> | III |
| #2 | | |
| | <i>Adonis vernalis</i> | II |
| | <i>Dalbergia darienensis</i> | III |
| | <i>Guaiacum</i> spp. | II |
| | <i>Nardostachys grandiflora</i> | II |
| | <i>Osyris lanceolata</i> | II |
| | <i>Picrorhiza kurrooa</i> | II |
| | <i>Podophyllum hexandrum</i> | II |
| | <i>Rauvolfia serpentina</i> | II |
| | <i>Taxus chinensis</i> | II |
| | <i>Taxus cuspidata</i> | II |
| | <i>Taxus fuana</i> | II |
| | <i>Taxus sumatrana</i> | II |
| | <i>Taxus wallichiana</i> | II |
| #3 | | |
| | <i>Panax ginseng</i> | II |
| | <i>Panax quinquefolius</i> | II |
| #4 | | |
| | <i>Agave victoriae-reginae</i> | II |
| | <i>Aloe</i> spp. | II |
| | <i>Anacampseros</i> spp. | II |
| | <i>Avonia</i> spp. | II |
| | <i>Beccariophoenix madagascariensis</i> | II |
| | <i>Bowenia</i> spp. | II |
| | CACTACEAE spp. | II |
| | <i>Caryocar costaricense</i> | II |
| | <i>Cibotium barometz</i> | II |
| | <i>Cistanche deserticola</i> | II |
| | <i>Cyathea</i> spp. | II |

| | |
|-----------------------------------|----|
| <i>CYCADACEAE</i> spp. | II |
| <i>Cyclamen</i> spp. | II |
| <i>Dicksonia</i> spp. | II |
| <i>DIDIEREACEAE</i> spp. | II |
| <i>Dionaea muscipula</i> | II |
| <i>Dioscorea deltoidea</i> | II |
| <i>Euphorbia</i> spp. | II |
| <i>Fouquieria columnaris</i> | II |
| <i>Galanthus</i> spp. | II |
| <i>Gonystylus</i> spp. | II |
| <i>Hedychium philippinense</i> | II |
| <i>Lewisia serrata</i> | II |
| <i>Neodypsis decaryi</i> | II |
| <i>Nepenthes</i> spp. | II |
| <i>ORCHIDACEAE</i> spp. | II |
| <i>Oreomunnea pterocarpa</i> | II |
| <i>Pachypodium</i> spp. | II |
| <i>Platymiscium pleiostachyum</i> | II |
| <i>Prunus africana</i> | II |
| <i>Sarracenia</i> spp. | II |
| <i>Sternbergia</i> spp. | II |
| <i>Swietenia humilis</i> | II |
| <i>Tillandsia harrisii</i> | II |
| <i>Tillandsia kammii</i> | II |
| <i>Tillandsia sucrei</i> | II |
| <i>Tillandsia xerographica</i> | II |
| <i>Welwitschia mirabilis</i> | II |
| <i>ZAMIACEAE</i> spp. | II |

#5

| | |
|----------------------------------|-----|
| <i>Cedrela fissilis</i> | III |
| <i>Cedrela lilloi</i> | III |
| <i>Cedrela odorata</i> | III |
| <i>Dalbergia cochinchinensis</i> | II |
| <i>Dalbergia</i> spp. | II |
| <i>Diospyros</i> spp. | II |
| <i>Fraxinus mandshurica</i> | III |
| <i>Pericopsis elata</i> | II |
| <i>Pinus koraiensis</i> | III |
| <i>Quercus mongolica</i> | III |
| <i>Swietenia mahagoni</i> | II |

#6

| | |
|----------------------------------|-----|
| <i>Dalbergia calycina</i> | III |
| <i>Dalbergia cubilquitzensis</i> | III |
| <i>Dalbergia glomerata</i> | III |
| <i>Dalbergia granadillo</i> | II |
| <i>Dalbergia retusa</i> | II |
| <i>Dalbergia stevensonii</i> | II |
| <i>Dalbergia tucurensis</i> | III |
| <i>Swietenia macrophylla</i> | II |

#7

| | |
|-------------------------------|----|
| <i>Pterocarpus santalinus</i> | II |
|-------------------------------|----|

#8

| | |
|-----------------------------|----|
| <i>Hydrastis canadensis</i> | II |
|-----------------------------|----|

#9

| | |
|--------------------|----|
| <i>Hoodia</i> spp. | II |
|--------------------|----|

#10

| | |
|-----------------------------|----|
| <i>Caesalpinia echinata</i> | II |
|-----------------------------|----|

#11

| | |
|----------------------------|----|
| <i>Bulnesia sarmientoi</i> | II |
|----------------------------|----|

#12

| | |
|-------------------------|----|
| <i>Aniba rosaeodora</i> | II |
|-------------------------|----|

#13

| | |
|---------------------------|----|
| <i>Lodoicea maldivica</i> | II |
|---------------------------|----|

#14

| | |
|-----------------------|----|
| <i>Aquilaria</i> spp. | II |
| <i>Gyrinops</i> spp. | II |

Terms used in CITES Annotations

| | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #12 | #13 | #14 |
|--|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| artificially propagated | | | #4 | | | | | | | | | | #14 |
| bead | | | | | | | | | | | | | #14 |
| carving | | | | | | | | | | | | | #14 |
| compressed powder | | | | | | | | | | | | | #14 |
| confectionary | | #3 | | | | | | | | | | | |
| cut flower | | | #4 | | | | | | | | | | #14 |
| endosperm | | | | | | | | | | | | #13 | |
| exhausted powder | | | | | | | | | | | | | #14 |
| extract | | #3 | | | | #7 | | | | #11 | #12 | | |
| finished product packaged and ready for retail trade | #2 | | #4 | | | | | | | | #12 | | #14 |
| flower | | | #4 | | | | | | | | | | |
| fragrance | | | | | | | | | | | #12 | | |
| fruit | | | #4 | | | | | | | | | | #14 |
| in vitro | | | #4 | | | | | | | | | | #14 |
| kernel | | | | | | | | | | | | #13 | |
| leaf | | | | | | | | | | | | | #14 |
| log | | | | #5 | #6 | #7 | | | #10 | #11 | #12 | | |
| naturalized | | | #4 | | | | | | | | | | |
| part | | #3 | | | | | | | | | | | |
| part and derivative | #2 | | #4 | | | | | #9 | | | | #13 | #14 |
| pill | | #3 | | | | | | | | | | | |
| plywood | | | | | #6 | | | | | #11 | #12 | | |
| pollen | #2 | | #4 | | | | | | | | | | #14 |
| pollinium (pl.: pollinia) | | | #4 | | | #7 | | | | | | | |
| powder | | #3 | | | | | #8 | | | #11 | | | |
| prayer bead | | | | | | | | | | | | | #14 |
| pulp | | | | | | | | | | | | #13 | |
| rhizome | | | | | | | #8 | | | | | | |
| root | | #3 | | | | | #8 | | | | | | |
| sawn wood | | | | #5 | #6 | | | | #10 | #11 | #12 | | |
| seed | #2 | | #4 | | | | | | | | | | #14 |
| seedling or tissue culture | | | #4 | | | | | | | | | | #14 |
| seedpod | | | #4 | | | | | | | | | | |
| spore | | | #4 | | | | | | | | | | |
| stem | | | #4 | | | | | | | | | | |
| sterile | | | #4 | | | | | | | | | | #14 |
| tea | | #3 | | | | | | | | | | | |
| tonic | | #3 | | | | | | | | | | | |
| underground part | | | | | | | #8 | | | | | | |
| unfinished wood article | | | | | | | | | #10 | | | | |
| veneer sheet | | | | #5 | #6 | | | | #10 | #11 | #12 | | |
| wood-chip | | | | | | #7 | | | | | | | |

Definitions of Terms used in the CITES Appendices

| Term | Sou | Definition |
|--|-----|--|
| „artificially propagated“ | | Cultivated under controlled conditions and fulfilling the specifications of Resolution Conf. 11.11 (Rev. CoP15) (http://www.cites.org/eng/res/11/11-11R15.php). |
| „bead“ | | Small, usually round piece of material pierced for stringing. |
| „carving“ | | Sculpture created by removing wood in order to create a desired shape. |
| „compressed powder“ | | Wood powder compressed into various compact shapes by pressure and maintained by chemical or natural binder. |
| „confectionary“ | | Class of products including candy and other sugar-based sweets. |
| „cut flower“ | | Flowers or flower buds, often with some stem and leaf that have been cut from the plant bearing it. |
| “derivative” | 1 | Any processed part of an animal or plant (e.g. medicine, perfume, watch strap). |
| „endosperm“ | | Starchy or oil rich material produced inside the plant seed which nourishes the embryo. |
| „exhausted powder“ | | Wood powder from which the fragrant oil or other content has been exhausted or nearly exhausted through chemical or physical methods. |
| „extract“ | 2 | Any substance obtained directly from plant material by physical or chemical means regardless of the manufacturing process. An extract may be solid (e.g. crystals, resin, fine or coarse particles), semisolid (e.g. gums, waxes) or liquid (e.g. solutions, tinctures, oil and essential oils). |
| „finished product packaged and ready for retail trade“ | 2 | Products, shipped singly or in bulk, requiring no further processing, packaged, labelled for final use or the retail trade in a state fit for being sold to or used by the general public. |
| „flower“ | | Reproductive structure found in flowering plants, often having showy or colourful parts. |
| „fragrance“ | | Compound that has a smell or an odour. |
| „fruit“ | | Seed-bearing organ of a plant. |
| „ <i>in vitro</i> “ | | Direct translation: "in glass"; meaning in an artificial environment. |
| „kernel“ | | The nutritive tissue of a seed. |
| „leaf“ | | Chlorophyll-bearing lateral outgrowth from the stem of a plant. |
| „log“ | 3 | All wood in the rough, whether or not stripped of bark or sapwood, or roughly squared, for processing, notably into sawn wood, pulpwood or veneer sheets (HS code 44.031). |
| „naturalized“ | | Non-native, introduced species that has become established and reproduces freely. |
| „part and derivative“ | | See paragraph 3 of Introduction on page 8. |
| „part“ | 1 | [as used in #3]: Any part of an animal or plant (e.g. skin, shell, root) whether raw or processed in a simple way (e.g. preserved, polished, etc.). Parts are usually readily identifiable. |
| „pill“ | | Small round mass of solid medicine for swallowing whole. |

| Term | Sou | Definition |
|------------------------------|-----|--|
| „plywood” | 3 | Consisting of three or more sheets of wood glued and pressed one on the other and generally disposed so that the grains of successive layers are at an angle (HS code 44.12.13, HS code 44.12.14, and HS code 44.12.22). |
| „pollen” | | Mass of small grains containing sperm cells of a plant. |
| „pollinia” | | Mass of pollen grains held together by a sticky substance. |
| „powder” | 2 | A dry, solid substance in the form of fine or coarse particles. |
| „prayer bead” | | String of beads used in counting prayers. |
| „pulp” | | Inner, soft or juicy part of a fruit or vegetable. |
| „rhizome” | | Underground stem, distinguished from root by its nodes, buds or scale-like leaves. |
| „root” | | Underground portion of a plant. It is usually branching and does not bear leaves or buds. |
| „sawn wood” | 3 | Wood simply sawn lengthwise or produced by a profile-chipping process. Sawn wood normally exceeds 6 mm in thickness (HS code 44.06, HS code 44.07). |
| „seed” | | Reproductive part of a fruit. Produced by all higher plants, consisting of an embryo and usually a seed-coat, with endosperm. |
| „seedling or tissue culture” | | Method for growing cells, tissues or seedlings on an artificial nutrient medium. |
| „seedpod” | | Plant structure that surrounds multiple seeds. |
| „spore” | | Small grain capable of developing into a new individual. |
| „stem” | | Main axis of a plant, bearing roots, leaves and/or flowers. |
| „sterile” | | Free of living organisms like microorganisms or bacteria. |
| „tea” | | Dried leaves of a plant used to prepare drink by soaking the in hot water. |
| „tonic” | | Medicinal preparation that invigorates or strengthens. |
| „underground part” | | Any subterranean plant part, e.g. root, rhizome, bulb, tuber, corm or caudice. |
| „veneer sheet” | 3 | Thin layers or sheets of wood of uniform thickness, usually 6 mm or less, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. (HS code 44.08). |
| „wood-chip” | 2 | Wood that has been reduced to small pieces. |

Sources:

- (1) Definition included in CITES Glossary
- (2) Definition included in CITES Appendices, Interpretation
- (3) Definition included in CITES Resolution

