

The one hundred tree species prioritized for planting in the tropics and subtropics as indicated by database mining

*Roeland Kindt, Ian K Dawson, Jens-Peter B Lillesø, Alice Muchugi,
Fabio Pedercini, James M Roshetko, Meine van Noordwijk,
Lars Graudal, Ramni Jamnadass*



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About the authors

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List of abbreviations and acronyms

AFD	Agroforestry Database
CIFOR	Center for International Forestry Research
CS	Conservation Scores
CTTS	Commercial Timber Tree Species
FAO	Food and Agriculture Organization of the United Nations
FCD	Food Composition Databases
GAEZ	Global Agro-ecological Zones
GISD	Global Invasive Species Database
GRIIS	Global Register of Introduced and Invasive Species
GRIN	Germplasm Resource Information Network
GSM	Global Species Matrix
GTS	Global Tree Search
ICRAF	World Agroforestry
ISC	Invasive Species Compendium
IUCN	International Union for the Conservation of Nature
OECD	Organisation for Economic Co-operation and Development
POWO	Plants of the World Online
PROSEA	Plant Resources of South East Asia
PROTA	Plant Resources of Tropical Africa online database
SRUC	Scotland's Rural College
TDWG	Biodiversity Information Standards
TFH	Tropical Forestry Handbook
USDA	United States Department of Agriculture
UTP	Useful Tropical Plants
UTSA	Useful Tree Species for Africa
UTSI	Useful Tree Species for India
UTSSEA	Useful Tree Species for South East Asia
WEP	World Economic Plants
WFO	World Flora Online

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(<https://www.oecd.org/agriculture/forest/>), who supplied an up-to-date list of the forest species.

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Abstract

A systematic approach to tree planting and management globally is hindered by the limited synthesis of information sources on tree uses and species priorities. To help address this, the authors ‘mined’ information from 23 online global and regional databases to assemble a list of the most frequent tree species deemed useful for planting according to database mentions, with a focus on tropical regions. Using a simple vote count approach for ranking species, we obtained a shortlist of 100 trees mentioned in at least 10 of our data sources (the ‘top-100’ species). A longer list of 830 trees that were mentioned at least five times was also compiled. Our ‘top-100’ list indicated that the family Fabaceae (syn. Leguminosae) was most common. The information associated with our mined data sources indicated that the ‘top-100’ list consisted of a complementary group of species of differing uses. These included the following: for wood (mostly for timber) and fuel production, human nutrition, animal fodder supply, and environmental service provision (varied services). Of these uses, wood was most frequently specified, with fuel and food use also highly important. Many of the ‘top-100’ species were assigned multiple uses. The majority of the ‘top-100’ species had weediness characteristics according to ‘attribute’ invasiveness databases that were also reviewed, thereby demonstrating potential environmental concerns associated with tree planting that need to be balanced against environmental and livelihood benefits. Less than half of the ‘top-100’ species were included in the OECD Scheme for the Certification of Forest Reproductive Material, thus supporting a view that lack of germplasm access is a common concern for trees. A comparison of the ‘top-100’ species with regionally-defined tree inventories indicated their diverse continental origins, as would be anticipated from a global analysis. However, compared to baseline expectations, some geographic regions were better represented than others. Our analysis assists in priority-setting for research and serves as a guide to practical tree planting initiatives. We stress that this ‘top-100’ list does not necessarily represent tree priorities for the future, but provides a starting point for also addressing representation gaps. Indeed, our primary concern going forward is with the latter.

Key words

Database mining; prioritized tree species; tree use databases and other datasets; tropics and subtropics

1. Introduction

Globally, the total number of tree species is high at more than 60,000 (Beech et al. [2017](#)). In forests, farms and plantations, these trees provide an enormous range of products and services (Orwa et al. 2009). These help to address a wide range of global challenges: for example, they provide greater resilience to ecosystems and food production, mitigate climate change, and conserve biodiversity, among other positive impacts (Rosenstock et al. [2019](#)). However, despite an enormous biological diversity of tree species with a myriad of potential uses, it is still difficult to obtain a systematic understanding of tree species' priorities for use and research.

In this working paper, we use a novel approach to explore which trees are currently considered to be most important by people engaged in tree promotion. The approach involves 'mining' information from a broad and representative range of online global and regional databases on tree use. Our premise is that the inclusion of a tree species in any particular 'use' database can be interpreted as an indication of its perceived usefulness and value for planting. The level of consensus across databases, measured as the frequency of overall occurrence of mentions of a tree species, can then be taken as an indication of the overall perceived importance of that particular species. Thus, for example, if a tree species is mentioned 10 times across databases then it means it is considered to be more important than a species that is mentioned five times. This systematic approach allows us to assemble a human-community-prioritized tree species list for planting that is focused on the global tropics and subtropics, and reveals other interesting and relevant features for tree use. As we will explore further later, however, it is important to mention at the outset that our listing of prioritized tree species should not be taken to indicate that it is these species that should be of highest priority for future work. In fact, one of the reasons for our synthesis is to explore gaps in prioritization, as we will explain.

In our analysis, we set out to determine a currently perceived 'top-100' list of tree species from across our mined datasets. 'Top-100' lists are quite common in the literature and have a nice 'ring' to them, allowing them to gain traction in political discourses that informs policymaking. For example, the 100 highest-ranking mammal species for conservation have been listed (Isaac et al. [2007](#)), as have the top 100 Evolutionary Distinct and Globally Endangered species of gymnosperms (Forest et al. [2018](#)). So too have the top 100 global ecoregions (Funk and Fa [2010](#)), the world's 100 worst invasive alien species (Lowe et al. [2000](#)), the top 100 species for edible forest gardens (Jacke and Toensmeier [2005](#)) and the 100 most important questions for the future of global agriculture (Pretty et al. [2010](#)).

Considering prior work on tree prioritization, tree species have been shortlisted for use in forest landscape restoration in specific geographic regions, but not across the global tropics and subtropics. For example, for Mesoamerica, IUCN prepared the 'Especies para restauración' ('species for restoration') list (Sanchun et al. [2016](#)). For the same region, the Árboles de Centroamérica ('trees of Central America') extension manual also provided a list

of useful trees (<https://restoration.elti.yale.edu/resource/arboles-de-centroamerica-un-manual-para-extensionistas-trees-central-america-manual>). For other tropical regions, manuals of useful tree species have also been prepared (e.g., Chaturvedi et al. 2017 for India, <https://www.agroforestry.net/2014-03-04-10-18-01> for the Pacific, Jensen 1999 for Southeast Asia and <http://www.worldagroforestry.org/usefultrees> for a range of African nations). Other resources have also compiled useful plants in particular geographic regions, such as the Plant Resources of South East Asia (<https://www.prota4u.org/prosea/>) and the Plant Resources of Tropical Africa (<https://www.prota4u.org/database/>) databases.

Here, we take a more comprehensive approach by combining information across multiple of these and other database sources, to provide a pantropical overview of perceived priorities. To our knowledge, no such ensemble approach to assess perceived tree priorities has been undertaken before. In part, this may be because several of the databases used for this exercise have only recently become available in a format that allows for straightforward (i.e., electronically-based) comparisons. Below, we lay out our approach in detail, summarize our initial findings on perceived priorities and their implications, and indicate some of the caveats of our mining method and the importance of not misinterpreting the findings.

2. Methods

2.1. Assembly of databases and compilation of a master list of species

We have already collated a range of geographically- and functionally-diverse online-available tree use databases and other datasets in the Agroforestry Species Switchboard (Kindt et al. [2019a](#)). For the current analysis, we used web-based searches and our peer network to find additional datasets to supplement relevant use databases already available in the Switchboard. We focused on datasets that provided information on useful tree species in tropical nations. For simplicity, all the resources we collected are referred to as ‘databases’ in the rest of this paper.

In total, we assembled 23 ‘use’ databases for the current analysis, 14 that were ‘global’ in coverage (Appendix 1) and nine that were ‘regional’ (Appendix 2). These databases complement each other both in terms of the tree functional attributes that they explore and the geographical regions that they cover. For example, among the global databases, the Global Species Matrix covers trees for climate change mitigation purposes, while the Food Composition Database provides information on food (fruit and vegetable) tree species. In turn, the Commercial Timber Tree Species database covers timber use, as does the Wood Database, while the Selection of Forages for the Tropics and Feedipedia databases cover livestock feed species. At a regional level, we created two new tree species lists to complement existing databases. These are the Useful Tree Species for India and the Useful Tree Species for South East Asia lists (Appendices 3 and 4, respectively; the latter particularly complements the Plant Resources of South East Asia database, already included in our compilation, by providing information on further tree species).

As a starting point for our comparisons, we compiled a master list of all encountered plant names in the 23 databases. We standardized nomenclature to the World Flora Online (WFO) list (May 2019 version) using the WorldFlora R package (version 1.3; Kindt [2020a](#)). As various *Acacia* species were listed in WFO as separately accepted names of the *Senegalia* or *Vachellia* genera, we treated these as synonyms according to Plants of the World Online (POWO; <http://www.plantsoftheworldonline.org/>; consulted in February and March 2020). In the main text of this paper, we sometimes retain the use of synonyms when these may be more familiar to readers (e.g., Leguminosae as a synonym for Fabaceae). Such names were placed in parentheses once the synonym status was confirmed by WFO.

In the master list we only retained taxa recorded in separate databases at least at species level. We also excluded hybrids.

2.2. Screening for woody species

Once we had compiled our initial master list, we screened entries against GlobalTreeSearch (GTS; [version 1.3](#); Beech et al. [2017](#)) to ensure that they were ‘woody species’. Any names

that did not match with GTS for apparent prioritized tree species from our database comparisons (see 2.3) were rechecked for synonyms in POWO. This analysis (excluding the *Acacia* species mentioned in 2.1) revealed alternative names in some cases that we had to manually reconcile. These included *Calliandra houstoniana* var. *calothrysus* for *Calliandra calothrysus* and *Samanea saman* for *Albizia saman*. Whereas GTS excludes shrubs, tree-like Poaceae (such as bamboos), Bromeliaceae, Musaceae and cycads, we opted to retain these in our analysis when they occurred in the following global databases: the Global Wood Density Database; the Commercial Timber Tree Species list; the Seed Leaflets; the Agroforestry Database; and the Wood Database. Conversely, we excluded *Cajanus cajan* from our prioritization procedure even though it occurred across many databases, as this short-lived perennial shrub is usually cultivated as an annual rather than as a perennial (Orwa et al. 2009).

2.3. Ranking of tree species

We used a simple vote counting approach to rank the perceived importance of species, using Microsoft Access and Microsoft Excel for the cross-tabulation of database mentions. From this, we obtained a shortlist of 100 tree species (the ‘top-100’ prioritized species) that were mentioned in at least 10 databases. A longer list of 830 species that were mentioned in five or more databases was also compiled. The broader list will not be discussed further in this paper. Instead, we will explore it in more detail in forthcoming publications.

As already noted, our premise for shortlisting is that the greater the number of mentions for a species across databases, the higher its perceived importance. There are caveats associated with such an approach to prioritization, and our approach should not be misinterpreted. We will return to these points later in this paper.

2.4. Attribute characterization of prioritized tree species

Shortlisted species were annotated with information extracted from a number of other sources, referred to as ‘attribute’ databases. These further summarize knowledge on trees’ functional uses and provide data on the invasiveness characteristics of species, as well as on the availability of certified seed sources (Appendix 5). Information was downloaded on economic impact categories for species from the World Economic Plants (WEP) in GRIN (<https://npgsweb.ars-grin.gov/gringlobal/taxon/taxonomysearcheco>; accessed on 28th February 2020). This last database had already been used in our species ranking exercise, but here we were specifically interested in its authoritative ranking and comprehensive coverage of use functions for socioeconomically and culturally valuable species (Khoury et al. 2019).

The WEP use classes we considered were ‘animal food’, ‘bee plants’, ‘environmental’, ‘food additives’, ‘fuels’, ‘human food’, ‘invertebrate food’, ‘materials’ (specifically and additionally, the subclass of ‘wood’), ‘medicines’ and ‘non-vertebrate poison’. In the WEP classification of uses, the ‘fuels’ class (with subclasses of ‘biomass for energy generation’, ‘charcoal’,

‘fuelwood’, ‘miscellaneous fuel’ and ‘petroleum/alcohol’) is distinct from the ‘materials’ class that includes economic plants that furnish ‘timber’, ‘fibre’, and ‘gums and resins’ (Wiersema and Leon [2013](#)). ‘Environmental’ uses include those for ‘erosion control’, ‘soil improvement’, ‘agroforestry’ and ‘ornamental uses’.

Information on the potential invasiveness of prioritized species was drawn from three databases: the Invasive Species Compendium; the Global Register of Introduced and Invasive Species; and the Global Invasive Species Database.

Information on the (potential) availability of certified seed (planting material) came from a list of tree species under the OECD Scheme for the Certification of Forest Reproductive Material, which is designed to support and regulate international trade in tree seed.

The shortlisted species were further annotated with their Conservation Scores based on a comprehensive study of useful plants undertaken by Khoury et al. (2019). Interested readers can familiarize themselves with the methodology in this [open access article](#).

2.5. Continental origins of prioritized tree species

GRIN (<https://npgsweb.ars-grin.gov/gringlobal/taxon/taxonomysearch>; accessed December 2019) was used to determine from which continent shortlisted species were derived. GRIN uses the World Geographical Scheme for Recording Plant Distributions (Brummitt [2001](#)) to distinguish geographic regions. It applies eight zones to define distributions: Africa, temperate Asia, tropical Asia, Europe, Australasia, the Pacific, northern America and southern America (Figure 1; this figure was created by linking the 3166-1 alpha-3 country code with its continent, as in Kindt [2020b](#)). In those cases where information on origins of prioritized species was not included in GRIN, we used POWO to assign regional designations.

Using customized R scripts, we then tested for deviations in representation across geographic regions for our shortlisted species (i.e., whether some regions were over-represented compared to others). This involved random subsampling of species sets from all woody species with documented origins. From here, a probability value that corresponded to the number of times that the actual count of species from a continent in our prioritized list was higher than the values obtained from 100,000 batched randomization runs was generated. A 95-percent confidence interval was calculated using the R quantile function.

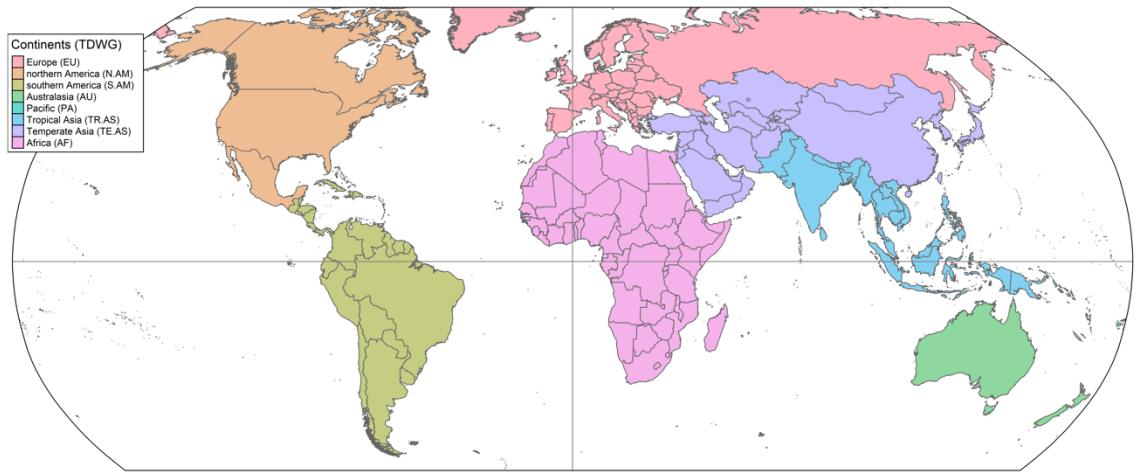


Figure 1. Distribution of continents applied by the Taxonomic Databases Working Group shown by allocating each country to one continent (Kindt 2020b).

Country distribution was obtained from a Natural Earth 1:10 million shapefile (<https://www.naturalearthdata.com/downloads/10m-cultural-vectors/10m-admin-0-countries/>; downloaded February 2020). The map was created with the *tmap* package (Tennekes 2018) and uses a Robinson projection.

3. Results

3.1. The ‘top-100’ prioritized tree species and their representation in databases

The ‘top-100’ prioritized tree species based on combined representation across 23 databases is presented in Table 1. Information on the broader list of 830 species is presented in Appendices 6 and 7; they also include further data on the ‘top-100’ species. The plant family most often represented in the ‘top-100’ list was the Fabaceae (syn. Leguminosae; 33 species). This was followed in descending order by: the Myrtaceae (9); the Arecaceae (syn. Palmae; 6); the Malvaceae and Meliaceae (both 5); the Euphorbiaceae, Moraceae and Sapotaceae (all 4); and the Anacardiaceae (3). Eight of the ‘top-100’ species occurred in at least 15 databases: *Albizia lebbeck*, *Albizia saman* (syn. *Samanea saman*), *Anacardium occidentale*, *Ceiba pentandra*, *Cocos nucifera*, *Enterolobium cyclocarpum*, *Gliricidia sepium* and *Tamarindus indica* (Appendix 6 gives number of mentions of each species). Another eight species occurred in at least 14 databases: *Acacia nilotica* (syn. *Vachellia nilotica*), *Artocarpus altilis*, *Azadirachta indica*, *Casuarina equisetifolia*, *Mangifera indica*, *Melia azedarach*, *Prosopis juliflora* and *Psidium guajava*. Two genera were mentioned at least five times in the ‘top-100’ list: *Acacia* (8 mentions) and *Eucalyptus* (6). Both these genera are important for wood-producing plantations pantropically. Among the ‘top-100’ species, some readers may be more familiar with the synonyms of *Cassia siamea* for *Senna siamea* and *Paraserianthes falcataria* for *Falcataria moluccana*.

All the ‘top-100’ prioritized species were included in WEP, while 99 were mentioned by the Useful Tropical Plants list, and 98 in both the Agroforestry Database and Ecocrop. In addition, at least half of the ‘top-100’ species were documented in the following global databases: the State of the World’s Forest Genetic Resources report (78 species represented that were listed in at least two of the Country Reports used to compile the global report); the Crop Index of the NewCROP Database (74 species); the Global Species Matrix (64); the Commercial Timber Tree Species list (62); Feedipedia (56); and the Species Files in Tropical Forestry from the Tropical Forestry Handbook (54). Compositions of the individual sub-lists of ‘top-100’ species for these databases indicated that they captured different groups of species. Considering the regional databases used in our compilation, generally less than 50 from the ‘top-100’ list of species were represented in any one database. The exceptions were the Plant Resources of Tropical Africa database (61 species represented) and the Plant Resources of South East Asia database (71).

Table 1. The ‘top-100’ tree species prioritized for planting in the tropics and subtropics as indicated by database mining

Species	Databases	Species (cont.)	Databases
<i>Acacia auriculiformis</i>	CEeHLNTu - ASZ - cgos	<i>Eucalyptus camaldulensis</i>	CEeGHNTuW - ASZ - cos
<i>Acacia catechu X</i>	EeDGTu - AISZ - cigs	<i>Eucalyptus globulus</i>	CEeGHNTuW - A - cos
<i>Acacia mangium X</i>	CEeHLNTuW - AIRZ - cigos	<i>Eucalyptus grandis</i>	CEeGHNTuW - AZ - cgos
<i>Acacia mearnsii X</i>	CEeHLNTuW - ASZ - cigos	<i>Eucalyptus robusta</i>	CEeHNTuW - AZ - cgos
<i>Acacia nilotica X</i>	CEeDFGHLNTu - AXIS - cigos	<i>Eucalyptus tereticornis</i>	CEeGHNTu - AISZ - cgos
<i>Acacia senegal</i>	EeDGHLNTu - AX - os	<i>Eucalyptus urophylla</i>	EeGHTu - ASZ - cgos
<i>Acacia seyal</i>	EeDGLNTu - AX - s	<i>Euphorbia tirucalli</i>	EeGHNTu - AXS - cg
<i>Acacia tortilis</i>	EeDGHLNTu - AX - cgs	<i>Faidherbia albida</i>	EeDGHLNTu - AXS - gs
<i>Adansonia digitata</i>	EeDGLTu - AXS - cgos	<i>Falcataria moluccana X</i>	CEeDHLNTu - ASZ - cigs
<i>Albizia lebbeck X</i>	CEeDFGHLNTuW - AISZ - cigos	<i>Genipa americana</i>	CEeLNTu - BRS - s
<i>Albizia procera</i>	CEeNTu - AISZ - cgs	<i>Gleditsia triacanthos</i>	CEeDGNTuW - S - cgos
<i>Albizia saman X</i>	CEeDGHLNTuW - ABMRPSZ - cigs	<i>Gliricidia sepium</i>	EeDFGHLNTu - IBMRPSZ - cgos
<i>Aleurites moluccanus X</i>	CEeGNTu - APSZ - cig	<i>Gmelina arborea</i>	CEeDHLNTu - IZ - cgos
<i>Alnus acuminata</i>	EeGHTu - ABR - cos	<i>Grevillea robusta X</i>	CEeHLT - ISZ - cigos
<i>Alnus nepalensis</i>	CEeGHLNTuW - AI - s	<i>Guazuma ulmifolia</i>	CEeGLTu - BRS - cgs
<i>Anacardium occidentale</i>	CEeDGHLNTuY - AXIBRSZ - cgos	<i>Hevea brasiliensis</i>	CEeDGHNTuY - ISZ - cgs
<i>Andira inermis</i>	CeHTuW - ABRS - gs	<i>Hymenaea courbaril</i>	CEeGLNTuW - BMR - cs
<i>Annona cherimola</i>	EeNTUu - AMRS - cg	<i>Jatropha curcas</i>	EeDGLNTu - IBRS - cgosz
<i>Annona muricata</i>	EeNTUu - ABMSZ - cgs	<i>Khaya senegalensis</i>	CEeHLTuW - XZ - cgos
<i>Areca catechu</i>	EeGTuY - AIPSZ - cg	<i>Leucaena leucocephala X</i>	EeDFGHNtu - IRSZ - cigs
<i>Artocarpus altilis</i>	CEeDGNTUu - ARPSZ - cgs	<i>Macadamia integrifolia</i>	EeDGNTUu - SZ - cg
<i>Artocarpus heterophyllus</i>	EeDGTUu - AIPSZ - cgs	<i>Mammea americana</i>	CEeNTUu - BRS - cg
<i>Azadirachta indica</i>	CEeDGHLNTu - AISZ - cgos	<i>Mangifera indica</i>	CEeDNTUuWY - IPSZ - cgs
<i>Bactris gasipaes</i>	EeDGNu - ABMRS -	<i>Manilkara zapota</i>	CEeNTUuW - BRSZ - cg
<i>Bertholletia excelsa</i>	CEeGNTUuY - AMS - c	<i>Melia azedarach X</i>	CEeDGHLTuW - AISZ - cigos
<i>Bixa orellana</i>	CEeDGNTu - ABRSZ - cg	<i>Moringa oleifera</i>	CEeDGLNTUu - IRZ - cgos
<i>Borassus flabellifer</i>	CEeDGuW - AISZ - cgs	<i>Morus alba X</i>	CEeDGNTu - RSZ - cis
<i>Brosimum alicastrum</i>	CEeDGTUu - ABR - c	<i>Olea europaea X</i>	CEeDGNTUuWY - X - cigosz
<i>Byrsinima crassifolia</i>	CeNTUu - ABRS - cgs	<i>Pachira quinata</i>	CEeHTu - ABMR -
<i>Calliandra calothyrsus</i>	EeDFGHLNTu - ARSZ - os	<i>Persea americana</i>	EeGNTUuY - BMRSZ - cgs
<i>Calophyllum brasiliense</i>	CEeHLTu - ABMR - s	<i>Phoenix dactylifera</i>	EeDGNTUuY - XS - cg
<i>Carica papaya</i>	EeDNTUuY - AISZ - cgs	<i>Pinus caribaea X</i>	CEeGHTu - BMZ - cios
<i>Cassia fistula</i>	EeDGNTu - ASZ - cg	<i>Pithecellobium dulce</i>	EeDGHNTu - IBSZ - cgos
<i>Casuarina equisetifolia X</i>	CEeGHLNTu - AIPSZ - cios	<i>Pongamia pinnata</i>	EeDGLNTu - IS - cg
<i>Cedrela odorata X</i>	CEeHLTuW - ABMR - cigs	<i>Pouteria sapota</i>	EeNTUu - BRSZ - c
<i>Ceiba pentandra</i>	CEeDGHLNTuY - AXIBRZ - cgs	<i>Prosopis cineraria</i>	EeDGHNTu - IS - cs
<i>Ceratonia siliqua</i>	EeDGNTUY - AX - cgos	<i>Prosopis juliflora X</i>	CEeDGHLTuW - BMRS - cis
<i>Chrysophyllum cainito</i>	EeNTu - ABRSZ - cg	<i>Psidium guajava X</i>	CEeDHNTUuY - IBSZ - cigs
<i>Cinnamomum camphora X</i>	CEeGLTuW - AS - cigos	<i>Pterocarpus indicus</i>	CEeLNTuW - PZ - c
<i>Citrus maxima</i>	EeNTUu - APSZ - cgs	<i>Senna siamea</i>	CEeDGHLTuW - ISZ - cgos
<i>Citrus sinensis</i>	EeDNTUuY - APSZ - cgsz	<i>Sesbania grandiflora</i>	EeDFGHNtu - SZ - cg
<i>Cocos nucifera</i>	CEeDGHNTUuWY - AXIPZ - cgsz	<i>Spondias mombin</i>	CEeDNTu - BRS - cgs
<i>Cordia alliodora</i>	CEeHLTuW - ABMRS - cgs	<i>Swietenia macrophylla</i>	CEeHLTuW - BMRZ - cgs
<i>Corymbia citriodora</i>	CEeGHTu - AS - cgos	<i>Syzygium cumini X</i>	CEeDHNTUu - ISZ - cigos
<i>Cupressus lusitanica</i>	CEeHTuW - ABM - cos	<i>Tamarindus indica</i>	CEeDGHLNTu - XISZ - cgos
<i>Dalbergia sissoo X</i>	CEeDHLNTu - AI - cigs	<i>Tectona grandis</i>	CEeHLNTu - IZ - cgos
<i>Elaeis guineensis X</i>	EeDGHNtuY - AXZ - cigosz	<i>Terminalia catappa X</i>	CEeGHTu - IRPSZ - cigos
<i>Enterolobium cyclocarpum</i>	CEeDGHLTuW - ABMRS - gs	<i>Theobroma cacao</i>	EeDGNTUuY - MRSZ - cz
<i>Erythrina poeppigiana</i>	EeDFGNTu - ABSZ - cg	<i>Vitellaria paradoxa</i>	EeDGLNTuY - X - cgs
<i>Erythrina variegata</i>	EeDTu - AIPSZ - cg	<i>Ziziphus jujuba X</i>	EeDLNTUu - XIRsz - cios

The list is based on a review of 23 global and regional tree use databases. Information in attribute databases is also indicated. Database notations (indicating when a species is present in that database) are separated by hyphens for global, regional and attribute databases, respectively. X after the species name indicates that the species is listed in the Global Invasive Species Database. Database codes correspond to Appendix 1 (global databases), Appendix 2 (regional databases) and Appendix 5 (attribute databases). Where there is no information after the hyphen, this means that the species was not listed in any of the relevant databases. Species are listed alphabetically (not by individual ranking).

3.2. Characteristics of the ‘top-100’ prioritized tree species

Considering the applications of the ‘top-100’ species, WEP indicated that 84 of them are used for materials (of which wood use, primarily for timber, was specified for 51 species), 44 as fuels, 40 for human food and 13 for animal food. For only a few species was a single use specified, with the average number of use categories specified being 3.4.

A large majority of 90 of the ‘top-100’ species were listed in the Invasive Species Compendium (ISC), 77 in the Global Register of Introduced and Invasive Species (GRIIS), and 24 in the Global Invasive Species Database (GISD; as this last database listed 553 plants in the Agroforestry Species Switchboard whereas the ISC and GRIIS list over 10,000 plants, we consider GISD to more specifically identify those species of highest global invasiveness risk and therefore opted to highlight GISD occurrence in Table 1). These listings indicate that the benefits of planting most of the ‘top-100’ species may need to be balanced against their possible ecosystem conservation threats, a common issue when dealing with trees.

Only 40 of the ‘top-100’ species were included in the OECD Scheme for the Certification of Forest Reproductive Material (Table 1). This suggests that work is required to improve seed and seedling delivery systems for the majority of species.

Combined Conservation Scores (CS, calculated on a percentage scale) from Khoury et al. (2019) were available for 81 species in the ‘top-100’ prioritized list (Table 2). For these, the average CS value was 6.0 for *ex situ* conservation and 48.6 for *in situ* conservation, resulting in an overall mean CS value of 27.3. Twenty-seven species were classified as high priority for conservation (mean CS < 25), while the remaining 54, for which scores were available, were indicated as medium priority (mean CS between 25 and 50). A significant minority of species are therefore of high conservation concern.

Table 2. High and medium priority tree species for conservation from the ‘top-100’ prioritized species

High priority for conservation	Medium priority for conservation
<i>Acacia auriculiformis</i> (0.02 - 40.74)	<i>Acacia mangium</i> (11.39 - 68.29)
<i>Adansonia digitata</i> (0.61 - 47.8)	<i>Acacia mearnsii</i> (0.03 - 58.46)
<i>Albizia procera</i> (0.1 - 49.55)	<i>Acacia senegal</i> (11.11 - 58.56)
<i>Areca catechu</i> (0.71 - 0)	<i>Albizia saman</i> (2.83 - 55.36)
<i>Artocarpus altilis</i> (2.08 - 42.59)	<i>Aleurites moluccanus</i> (0.19 - 51.48)
<i>Artocarpus heterophyllus</i> (1.12 - 17.64)	<i>Alnus acuminata</i> (0.31 - 51.26)
<i>Azadirachta indica</i> (0.11 - 23.94)	<i>Alnus nepalensis</i> (4.24 - 47.76)
<i>Borassus flabellifer</i> (1.85 - 32.24)	<i>Anacardium occidentale</i> (0.11 - 56.22)
<i>Cupressus lusitanica</i> (0.12 - 46.56)	<i>Andira inermis</i> (1.34 - 57.78)
<i>Dalbergia sissoo</i> (0.53 - 23.59)	<i>Bactris gasipaes</i> (3.54 - 62.57)
<i>Erythrina variegata</i> (0.35 - 46.86)	<i>Bertholletia excelsa</i> (0.07 - 55.8)
<i>Eucalyptus urophylla</i> (0.43 - 31.98)	<i>Bixa orellana</i> (5.71 - 55.16)
<i>Euphorbia tirucalli</i> (0.47 - 49.48)	<i>Brosimum alicastrum</i> (1.44 - 55.71)
<i>Falcataria moluccana</i> (0.28 - 29.42)	<i>Byrsonima crassifolia</i> (2.5 - 58.26)
<i>Gleditsia triacanthos</i> (2.42 - 41.17)	<i>Calliandra calothrysus</i> (38.77 - 55.02)
<i>Mammea americana</i> (2.05 - 42.57)	<i>Calophyllum brasiliense</i> (0.01 - 54.84)
<i>Mangifera indica</i> (5.67 - 32.36)	<i>Carica papaya</i> (13.6 - 56.3)
<i>Melia azedarach</i> (1.15 - 43.42)	<i>Casuarina equisetifolia</i> (0.13 - 50.83)
<i>Moringa oleifera</i> (3.38 - 22.49)	<i>Cedrela odorata</i> (0.94 - 57.64)
<i>Pongamia pinnata</i> (0.09 - 47.59)	<i>Ceiba pentandra</i> (0.06 - 51.08)
<i>Pterocarpus indicus</i> (0.13 - 49.38)	<i>Ceratonia siliqua</i> (10.77 - 48.14)
<i>Senna siamea</i> (0.2 - 26.53)	<i>Chrysophyllum cainito</i> (0.2 - 58.36)
<i>Syzygium cumini</i> (0.36 - 48.74)	<i>Cinnamomum camphora</i> (0.11 - 53.98)
<i>Tamarindus indica</i> (2.81 - 44.69)	<i>Citrus maxima</i> (53.89 - 36.66)
<i>Tectona grandis</i> (0.17 - 37.77)	<i>Cocos nucifera</i> (17.96 - 52.42)
<i>Terminalia catappa</i> (0.18 - 48.34)	<i>Cordia alliodora</i> (1.01 - 61.07)
<i>Ziziphus jujuba</i> (5.17 - 43.21)	<i>Corymbia citriodora</i> (5.44 - 51.2)
	<i>Elaeis guineensis</i> (7.68 - 45.78)
	<i>Enterolobium cyclocarpum</i> (4.93 - 54.22)
	<i>Eucalyptus camaldulensis</i> (0.02 - 53.02)
	<i>Eucalyptus globulus</i> (0.03 - 50.4)
	<i>Eucalyptus grandis</i> (0.02 - 61.75)
	<i>Eucalyptus robusta</i> (4.04 - 61.27)
	<i>Eucalyptus tereticornis</i> (4.51 - 52.42)
	<i>Faidherbia albida</i> (47.39 - 49.15)
	<i>Genipa americana</i> (0.89 - 55.76)
	<i>Grevillea robusta</i> (4.48 - 57.18)
	<i>Guazuma ulmifolia</i> (3.12 - 54.41)
	<i>Hevea brasiliensis</i> (3.39 - 51.5)
	<i>Hymenaea courbaril</i> (0.51 - 55.34)
	<i>Jatropha curcas</i> (0.27 - 52.45)
	<i>Leucaena leucocephala</i> (43.16 - 53.11)
	<i>Macadamia integrifolia</i> (2.36 - 57.62)
	<i>Manilkara zapota</i> (13.12 - 53.49)
	<i>Olea europaea</i> (13.7 - 52.76)
	<i>Persea americana</i> (20.46 - 54.3)
	<i>Pithecellobium dulce</i> (0.18 - 53.27)
	<i>Pouteria sapota</i> (12.95 - 57.82)
	<i>Prosopis cineraria</i> (49.01 - 38.24)
	<i>Prosopis juliflora</i> (7.78 - 52.69)
	<i>Psidium guajava</i> (6.31 - 54.22)
	<i>Swietenia macrophylla</i> (0.14 - 56.57)
	<i>Theobroma cacao</i> (15.98 - 54.86)
	<i>Vitellaria paradoxa</i> (0 - 50.86)

Conservation scores were drawn from Khoury et al. (2019) who listed 81 species from our ‘top-100’ list. The numbers in brackets are, respectively, the *ex situ* and *in situ* conservation scores (separated by a hyphen). Species in each column are listed alphabetically.

3.3. Origins of the ‘top-100’ prioritized tree species

Using GRIN to determine the origins of the ‘top-100’ prioritized tree species indicated diverse continental origins (Table 3), as would be expected from a global analysis of databases. Some regions were, however, more represented than others when compared to baseline expectations. The randomization procedure applied showed that the number of species in the ‘top-100’ list that originated from North America (30, $P > 0.99$), South America (40, $P = 0.99$) and tropical Asia (35, $P > 0.99$) were significantly greater than expected from random draws (Table 4). No continent was underrepresented; this is evidenced by all probability values being higher than 0.5.

Table 3. Continents where the ‘top-100’ prioritized tree species are native

Species	EU	N.AM	S.AM	TR.AS	TE.AS	AU	PA	AF
<i>Acacia auriculiformis</i>				×		×		
<i>Acacia catechu</i>				×	×			
<i>Acacia mangium</i>						×		
<i>Acacia mearnsii</i>						×		
<i>Acacia nilotica</i>				×	×			×
<i>Acacia senegal</i> * (<i>Senegalia senegal</i>)				×	×			×
<i>Acacia seyal</i>					×			×
<i>Acacia tortilis</i>					×			×
<i>Adansonia digitata</i>								×
<i>Albizia lebbeck</i> *				×				
<i>Albizia procera</i>				×	×	×		
<i>Albizia saman</i>				×				
<i>Aleurites moluccanus</i>					×	×	×	
<i>Alnus acuminata</i>	×	×						
<i>Alnus nepalensis</i>					×	×		
<i>Anacardium occidentale</i>				×				
<i>Andira inermis</i>	×	×						×
<i>Annona cherimola</i> *				×				
<i>Annona muricata</i> *				×				
<i>Areca catechu</i>				×				
<i>Artocarpus altilis</i>				×				×
<i>Artocarpus heterophyllus</i>				×				
<i>Azadirachta indica</i>				×				
<i>Bactris gasipaes</i>				×				
<i>Bertholletia excelsa</i>				×				
<i>Bixa orellana</i>	×	×						
<i>Borassus flabellifer</i>				×				
<i>Brosimum alicastrum</i>	×	×						
<i>Byrsonima crassifolia</i>	×	×						
<i>Calliandra calothrysus</i>	×	×						
<i>Calophyllum brasiliense</i>	×	×						
<i>Carica papaya</i>	×	×						
<i>Cassia fistula</i> *				×				
<i>Casuarina equisetifolia</i>				×			×	×
<i>Cedrela odorata</i>	×	×						
<i>Ceiba pentandra</i>	×	×						×
<i>Ceratonia siliqua</i>	×				×			×
<i>Chrysophyllum cainito</i>				×				
<i>Cinnamomum camphora</i>					×			
<i>Citrus maxima</i>				×				
<i>Citrus sinensis</i> (probable origin)				×				
<i>Cocos nucifera</i>				×			×	×
<i>Cordia alliodora</i>	×	×						
<i>Corymbia citriodora</i>								×
<i>Cupressus lusitanica</i>	×	×						
<i>Dalbergia sissoo</i>				×	×			
<i>Elaeis guineensis</i>								×
<i>Enterolobium cyclocarpum</i>	×	×						
<i>Erythrina poeppigiana</i>				×				
<i>Erythrina variegata</i>				×	×	×	×	×
<i>Eucalyptus camaldulensis</i>						×		
<i>Eucalyptus globulus</i>						×		
<i>Eucalyptus grandis</i>						×		
<i>Eucalyptus robusta</i>						×		
<i>Eucalyptus tereticornis</i>						×		
<i>Eucalyptus urophylla</i>				×				

Species	EU	N.AM	S.AM	TR.AS	TE.AS	AU	PA	AF
<i>Euphorbia tirucalli</i>								x
<i>Faidherbia albida</i>					x			x
<i>Falcataria moluccana</i>					x			
<i>Genipa americana</i>	x		x					
<i>Gleditsia triacanthos</i>	x							
<i>Gliricidia sepium</i>	x		x					
<i>Gmelina arborea</i>					x	x		
<i>Grevillea robusta</i>							x	
<i>Guazuma ulmifolia</i>	x		x					
<i>Hevea brasiliensis</i>			x					
<i>Hymenaea courbaril</i>	x		x					
<i>Jatropha curcas</i>	x		x					
<i>Khaya senegalensis</i>							x	
<i>Leucaena leucocephala</i>	x		x					
<i>Macadamia integrifolia</i>						x		
<i>Mammea americana</i>		x						
<i>Mangifera indica</i>			x					
<i>Manilkara zapota</i>	x		x					
<i>Melia azedarach</i>				x	x	x		
<i>Moringa oleifera</i>			x					
<i>Morus alba</i>					x			
<i>Olea europaea</i>	x				x			x
<i>Pachira quinata</i>			x					
<i>Persea americana</i>	x		x					
<i>Phoenix dactylifera</i> *				x	x			
<i>Pinus caribaea</i>	x		x					
<i>Pithecellobium dulce</i>	x		x					
<i>Pongamia pinnata</i> *				x		x		
<i>Pouteria sapota</i>	x		x					
<i>Prosopis cineraria</i>				x	x			
<i>Prosopis juliflora</i>	x		x					
<i>Psidium guajava</i>	x		x					
<i>Pterocarpus indicus</i>				x	x		x	
<i>Senna siamea</i>			x					
<i>Sesbania grandiflora</i> *			x					
<i>Spondias mombin</i>	x		x					
<i>Swietenia macrophylla</i>	x		x					
<i>Syzygium cumini</i>				x	x			x
<i>Tamarindus indica</i>					x			x
<i>Tectona grandis</i>			x			x	x	
<i>Terminalia catappa</i>			x	x	x	x	x	x
<i>Theobroma cacao</i>	x		x					
<i>Vitellaria paradoxa</i>							x	
<i>Ziziphus jujuba</i>					x			

Origins are based on GRIN unless otherwise indicated by * (where origins are according to Plants of the World Online). EU = Europe; N.AM = northern America; S.AM = southern America; TR.AS = tropical Asia; TE.AS = temperate Asia; AU = Australasia; PA = the Pacific; AF = Africa

Table 4. Comparison of observed ‘top-100’ tree species from different continents with expected species numbers

Continent	Species	Probability	LCL	UCL
Europe	2	0.53950	0	6
Northern America	30	0.99996	9	23
Southern America	40	0.98972	21	39
Australasia	19	0.96157	7	20
The Pacific	7	0.96418	1	8
Tropical Asia	35	0.99844	15	31
Temperate Asia	24	0.70844	14	31
Africa	19	0.86091	9	23

The comparison is based on 100,000 random draws. Probability corresponds to the frequency of observing a higher actual number of species than obtained by random draws. LCL = Lower 95% confidence limit; UCL = Upper 95% confidence limit

3.4. Comparison with a previous list

A previous ‘top-100’ prioritized tree species list, presented by us at the 2019 World Agroforestry Congress in Montpellier, was prepared from a smaller number of databases (Kindt et al. [2019b](#)). A comparison of our current list with the earlier one indicated that the lists had 82 species in common. Table 5 shows which species are different between the lists. The ‘turnover’ in species was typically due to marginal differences in their number of occurrences across databases, around our threshold of 10 presences for inclusion in the current list. The list presented in the current paper supersedes the 2019 list.

Table 5. Species differences between current and previous ‘top-100’ prioritized lists

Only in previous	In current list but not in previous
<i>Acacia saligna</i> (9)	<i>Acacia catechu</i> + <i>Senegalia catechu</i> (10)
<i>Cajanus cajan</i> (13)	<i>Adansonia digitata</i> (10)
<i>Castanea sativa</i> (9)	<i>Albizia procera</i> (10)
<i>Citrus aurantiifolia</i> (10 - NW)	<i>Alnus acuminata</i> (10)
<i>Citrus limon</i> (11 - NW)	<i>Brosimum alicastrum</i> (11)
<i>Citrus reticulata</i> (11 - NW)	<i>Byrsonima crassifolia</i> (10)
<i>Garcinia mangostana</i> (0 - H)	<i>Calophyllum brasiliense</i> (11)
<i>Leucaena diversifolia</i> (8)	<i>Cassia fistula</i> (10)
<i>Maesopsis eminii</i> (9)	<i>Ceratonia siliqua</i> (10)
<i>Phyllanthus emblica</i> (9)	<i>Cinnamomum camphora</i> (10)
<i>Pinus kesiya</i> (9)	<i>Corymbia citriodora</i> (10)
<i>Pinus merkusii</i> (9)	<i>Eucalyptus robusta</i> (10)
<i>Pinus oocarpa</i> (9)	<i>Genipa americana</i> (10)
<i>Pinus patula</i> (8)	<i>Gleditsia triacanthos</i> (10)
<i>Pinus radiata</i> (7)	<i>Mammea americana</i> (10)
<i>Punica granatum</i> (9)	<i>Pachira quinata</i> (10)
<i>Tabebuia rosea</i> (9)	<i>Pongamia pinnata</i> (10)
<i>Ximenia americana</i> (9)	<i>Pterocarpus indicus</i> (10)

The numbers in brackets indicate number of databases. NW = Not woody. H = hybrid. Species in each column are listed in alphabetical order.

4. Discussion

In this working paper, we have described a novel approach to obtain a list of the tree species that have been prioritized by the community of scientists and practitioners who promote tree planting in the global tropics. Our approach was based on the mining of information from multiple global and regional tree use databases. These, in many cases, have only relatively recently become available in electronic formats that are easy to search and compile.

We generated a list of the ‘top-100’ tree species conceived to be of most importance for planting purposes. We found that the Fabaceae (syn. Leguminosae) easily contributed more than any other plant family to the list and that wood was the most commonly mentioned use for trees, closely followed by fuel and food use. The Fabaceae family has applications in different areas such as food, reforestation and the wood industry. Family members are also used as ornamentals, forages and for their therapeutic properties (Benjamin et al. 2021). The large number of species from the Fabaceae that we sampled in our compilation may reflect the widespread emphasis on promotion of nitrogen-fixing trees in agroforestry practices, especially from the 1970s through to the 1990s (Roshetko 2001). It may also reflect the capacity of legume species to act as revegetation pioneers (Allen and Allen 1981, Isely 1982).

Connected with this last statement, we also found that many of the ‘top-100’ tree species have potential weediness characteristics, with the majority listed in the Invasive Species Compendium and the Global Register of Introduced and Invasive Species. This indicates the need for application of biosecurity guidelines for countries where the species have the potential to be invasive, and a careful balancing of benefits against the potential pitfalls of further planting.

Our approach to determine perceived priorities during tree promotion has important caveats and also requires proper understanding. Clearly, by focusing on global and regional databases, it favours species important across a broad range of countries, whereas there may be cases where individual species are extremely important for very specific locations only (where ‘depth’ overrides the ‘breadth’ of importance as captured in our survey). In addition, our approach is a simple vote counting one that does not consider actual economic, social, cultural and environmental data that would best inform priorities. However, to be useful, such data would need to be available across species in order to allow comparisons, and this is simply not the case. Our analysis therefore seems a valid alternative to assess perceived current priorities in the absence of such information. We consider our list a starting point against which future prioritization exercises could be compared.

Although our method does not consider hard data sources, it is notable that our ‘top-100’ list includes tropical trees considered among the most common industrial forest plantation

trees by others (in partial compilations). These are of *Eucalyptus* (31% of area established in plantations), *Pinus* (27%), *Acacia* (6%), *Tectona grandis* (6%) and *Cupressus* (1%) (according to Pancel [2015](#)). Likewise, our ‘top-100’ list includes many of the main species described in a systematic review of the worldwide socio-economic impacts of large-scale tree plantations (species of *Acacia*, *Eucalyptus*, *Pinus* and *Hevea brasiliensis*; Figure 4 in Malkamäki et al [2018](#); not included in our ‘top-100’ list were the temperate species *Picea sitchensis* and *Pseudotsuga menziesii*). Furthermore, of the major food tree crops grown on a plantation scale (Peter et al. [2003](#)), the ‘top-100’ list includes areca-nut (*Areca catechu*), cashew (*Anacardium occidentale*), cocoa (*Theobroma cacao*), coconut (*Cocos nucifera*) and oil palm (*Elaeis guineensis*), but not cardamom (*Elettaria cardamomum*, a herbaceous species), coffee (*Coffea* spp., though *C. arabica*, *C. canephora* and *C. liberica* are on the longer list of 830 species) and tea (*Camellia sinensis* syn. *Thea sinensis*, also included in our longer list).

It is important to state that our approach to prioritization should not be misunderstood to indicate that the listed species are the most important for tree planting in future. In our analysis, we have used the term ‘prioritization’ as a descriptive term, and not a normative one. Tree species not in the ‘top-100’ can be of high value and relevance in any local context, and their absence from the ‘top-100’ is not a warning sign that they will be inferior in any way. There is, however, less global documentation of the ‘non-prioritized’ species. We see our prioritized species list, which consists of trees as perceived by promoters currently as most important, as a starting point for thinking more broadly about future needs and the developing gaps in tree planting. These needs include the massive planted forest restoration targets of the Bonn Challenge and similar initiatives. In this regard, our list provides a baseline for understanding whether the current prioritized tree species are in fact adequate to address these new challenges, particularly when biodiversity concerns are considered. This last topic will be the subject of further studies.

Finally, this exercise also clearly indicates that even for perceived priority tree species, there are significant gaps in the ability to use them properly. For example, the majority of species on our compiled list require attention on systems to deliver planting material to growers.

5. Conclusion

To our knowledge, there has been no broad international prioritization of currently-considered useful tree species based on an ensemble of the global and regional tree use databases that have recently become available online. Compiled species entries from a geographically- and functionally-diverse range of these databases, with a focus on tropical nations, has allowed us to devise a perceived ‘top-100’ list of prioritized tree species. This list provides a starting point for further work to support the more effective use of these species and, at the same time, provides an entry point to indicate gaps in our current priorities that will need to be addressed in future. We reiterate that tree species not included in the ‘top-100’ can be of high value and relevance, but have less globally documented knowledge that can be consulted.

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Appendices

Appendix 1. Global databases checked for species occurrence

(next page)

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of the database for current species prioritization
C	Commercial Timber Tree Species (CTTS)	Jennifer Mark, Adrian C Newton, Sara Oldfield and Malin Rivers. 2014. The International Timber Trade: A working list of commercial timber tree species. Botanic Gardens Conservation International. Richmond, UK. https://globaltrees.org/resources/working-list-commercial-timber-tree-species/	Appendix I was copied from the source document. Appendix II was downloaded from https://globaltrees.org/wp-content/uploads/2014/11/WorkingList-Appendix2.xls . Species names were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3)	The document provides a composite working list of timber species that are harvested and traded commercially on the international timber market. The list summarizes information from 17 different sources, identifying those species with a strong consensus regarding their use for timber.
E	Ecocrop (-)	http://ecocrop.fao.org/ecocrop/srv/en/home	A list of all species was downloaded in August 2018 during the compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switcbard/). Species names were resolved sequentially by The Plant List 1.1 via the Taxonstand package version 2.1 and the Taxonomic Name Resolution Service (TNRS) on 26th December 2018 for species that could not be resolved by The Plant List. Where TNRS only had partial matches, a manual comparison of species with GlobalTreeSearch 1.2 (https://tools.bgc.org/global_tree_search.php ; 5-Apr-2018) allowed selection of species names that best matched those suggested by TNRS or GlobalTreeSearch. Further details on the process of standardization are available from http://www.worldagroforestry.org/output/agroforestry-species-switchboard-20-synthesis-information-sources-support-tree-research-and . The source of the adopted standardized species name is provided in the Agroforestry Species Switchboard, whereas the hyperlink to Ecocrop gives the original name.	This database provides descriptions, including uses, for more than 2,500 plant species from all agro-ecological settings of the world.

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of the database for current species prioritization
e	World Economic Plants (WEP) in the Germplasm Resources Information Network	https://npgsweb.ars-grin.gov/gringlobal/taxon/taxonomysearcheco.aspx	A list of all species was downloaded via a specialized query in July 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/swit/chboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The list is based on the World Economic Plants: A Standard Reference. This work documents more than 12,000 economically important vascular plants, including those used for human or animal food, materials, medicines, environmental purposes, gene sources for breeding, social purposes, as well as ones with negative impacts such as poisonous or disease-harbouring plants or weeds.
D	Feedipedia (-)	https://www.feedipedia.org/	A list of all species was downloaded in July 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/swit/chboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The main objective of Feedipedia is to provide extension and development workers, planners, project formulators, livestock farmers, science managers, policy makers, students and researchers with the latest scientific information to help them identify, characterize and properly use feed resources to sustainably develop the livestock sector. This is particularly important in emerging and developing countries where locally available feed resources are often under-utilized due to lack of information. The open access information system on animal feed resources provides information on nature, occurrence, chemical composition, nutritional value and safe use of nearly 1400 worldwide livestock feeds.
F	Selection of Forages for the Tropics (SoFT)	http://www.tropicalforages.info/	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/swit/chboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The Tropical Forages interactive selection tool was developed to allow users to identify forage species suitable for local conditions in the tropics and subtropics. The interactive tool (http://www.tropicalforages.info/forages.html) allows selection from 180 species.

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of the database for current species prioritization
G	Global Species Matrix (GSM)	http://carbonfarmingsolution.com/plant-species-lists	A searchable Microsoft Excel file was downloaded from the website in July 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/swit chboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The Global Species Matrix corresponds to Appendix A of Eric Toensmeier. 2016. The Carbon Farming Solution: A Global Toolkit of Perennial Crops and Regenerative Agriculture Practices for Climate Change Mitigation and Food Security. Chelsea Green Publishing. 670 species are provided for the categories of perennial staple crops, perennial industrial crops and agroforestry services for different regions. The list does not include perennial fruits, vegetables, timber, pasture and other important categories. The Excel document was developed to guide selection of useful species for different climates, including tropical and subtropical climates.
H	Species Files in Tropical Forestry, available from the Tropical Forestry Handbook (TFH)	Pancel L. 2016. Species Files in Tropical Forestry. In: Pancel L., Köhl M. (eds) Tropical Forestry Handbook. Springer, Berlin, Heidelberg. URL https://link.springer.com/referenceworkentry/10.1007/978-3-642-54601-3_112#citeas	Names of the 215 most frequently used taxa for plantations in the tropics that were listed in the chapter were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3). Three taxa were removed as these were at infraspecific level, whereas the species was listed separately: <i>Eucalyptus globulus</i> subsp. <i>maidenii</i> , <i>Pinus caribaea</i> var. <i>bahamensis</i> and <i>Pinus caribaea</i> var. <i>hondurensis</i> . Taxon <i>Calophyllum brasiliense</i> var. <i>antillanum</i> was included as <i>Calophyllum brasiliense</i> .	This list of the 215 most frequently used species for plantations in the tropics account for 98% of the total plantations in the tropics (tropical Africa, Asia, Latin America and Oceania)
L	Seed Leaflets (SL)	https://sl.ku.dk/rapporter/seed-leaflets	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (<a href="http://www.worldagroforestry.org/products/swit
chboard/">http://www.worldagroforestry.org/products/swit chboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The Seed Leaflets series was started by the Danida Forest Seed Centre. It provides descriptions of a number of tropical tree species with particular emphasis on seed issues.

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of the database for current species prioritization
N	Crop Index of NewCROP Database (NewCROP)	https://www.hort.purdue.edu/newcrop/Indices/index_ab.html	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	Online since 1995, NewCROP (New Crops Resource Online Program) is an information-rich site related to crop plants. It is a project of the Purdue University Center for New Crops and Plant Products and is associated with the New Crop Diversification project and the Jefferson Institute.
T	Agroforetree Database (AFD)	http://www.worldagroforestry.org/output/agroforetree-database	A searchable Microsoft Excel file was downloaded from the website in July 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The Agroforetree (AFT) Database is a species reference and selection guide for trees that are deliberately grown or kept in integrated land-use systems and are often managed for more than one output. The database provides information on native and exotic trees globally. Currently, the database holds information on 600+ tree species useful in agroforestry systems.
U	USDA Food Composition Databases (FCD)	https://fdc.nal.usda.gov/download-datasets.html	A Microsoft Access database (Composition of Foods: Raw, Processed, Prepared. USDA National Nutrient Database for Standard Reference. Slightly Revised July 2018) was downloaded from a precursor of the current website (https://ndb.nal.usda.gov/ndb/) in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The database contains information on 7793 food items.
u	Useful Tropical Plants (UTP)	http://tropical.theferns.info/	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The Useful Tropical Plants Database contains information on edible, medicinal and many other uses of over 10,000 plant species that can be grown in tropical regions.

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of the database for current species prioritization
W	The Wood Database (Wood)	https://www.wood-database.com/	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.	The Wood Finder (https://www.wood-database.com/wood-finder/) allows users to select hardwood, softwood and monocot species from different regions, including Africa, South America, Asia and the Pacific Islands. One of the key sources of the database are Wood Properties (Techsheets) of Tropical Hardwoods that are available on: https://www.fpl.fs.fed.us/research/centers/wood_anatomy/techsheets_display.php?geo_category_id=4&genus_commonname_criteria=c&sorting_rule=1a
Y	FAO Crop Statistics (FAO)	http://www.fao.org/faostat/en/#data/QC	World Yield Data for 2018 for all items were obtained in March 2020. Botanical names of crops were obtained by matching the common names in Ecocrop. Species names were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3).	The database includes crop statistics for 173 products, covering all countries in the world. The main categories are: Crops Primary, Fibre Crops Primary, Cereals, Coarse Grain, Citrus Fruit, Fruit, Jute Jute-like Fibres, Oilcakes Equivalent, Oil crops Primary, Pulses, Roots and Tubers, Treenuts and Vegetables and Melons.

Appendix 2. Regional databases checked for species occurrence

(next page)

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of selecting the database while compiling a global list of useful tree species for planting in tropical and subtropical regions
A	Plant Resources of Tropical Africa online database (PROTA4U)	https://www.prota4u.org/database/	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop (Appendix 1).	PROTA stands for Plant Resources of Tropical Africa. It is an international documentation programme on the useful plants of Tropical Africa. PROTA4U is a dynamic and interactive web-based bilingual system providing comprehensive information on the useful plants of tropical Africa.
X	Useful Tree Species for Africa map (UTSA)	http://www.worldagroforestry.org/output/useful-tree-species-africa	The list corresponds to all the useful tree species with information on their various uses available from the Useful Trees for Africa. Species names were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3).	The list details useful tree species that are part of natural vegetation assemblages of Africa.
I	Useful Tree Species for India (UTSI)	Various sources, see Appendix 3	See Appendix 3.	The list represents a selection of useful tree species in India.
B	Árboles de Centroamérica = Trees of Central America (AdC)	http://www.arbolesdecentroamerica.info/index.php/en/species	A list of all species was downloaded in July 2018 during the compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop (Appendix 1). During an extra verification, we confirmed that various synonyms of the same species had a different data sheet (<i>Pachira quinata</i> and <i>Bombacopsis quinata</i> ; <i>Perymenium grande</i> and <i>Perymenium strigulosum</i>)	The list represents a selection of useful tree species for Central America.
M	Atlas for the conservation of Forest Genetic Resources (MAPFORGEN)	http://www.mapforgen.org/	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop (Appendix 1).	The species were selected by experts from the Latin American Forest Genetic Resources Network and by FAO's forest genetic resources panels. The species were selected based on their socioeconomic value for industrial wood, fuel wood, poles, posts and/or edible fruit.

Code	Database name (short name or acronym)	Source	Compilation of species list	Relevance of selecting the database while compiling a global list of useful tree species for planting in tropical and subtropical regions
R	Especies para restauración = Species for restoration (EpR)	http://www.especiesrestauracion-iucn.org/especies.php	A list of all species was downloaded from the website in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The list of species is also available (as Annex) from: Andrés Sanchún, Raúl Botero, Albert Morera Beita, Germán Obando, Ricardo O. Russo, Carola Scholz y Manuel Spinola (2016). Restauración funcional del paisaje rural: manual de técnicas. IUCN, San José, Costa Rica. XIV + 436p. The same procedure for standardization of plant names was used as described for Ecocrop (Appendix 1).	The species were selected for forest restoration or agroforestry systems in Central America
P	Species Profiles for Pacific Island Agroforestry: ecological, economic, and cultural renewal (UTSP)	https://www.agroforestry.net/2014-03-04-10-18-01	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop (Appendix 1).	The list represents a selection of useful tree species for the Pacific.
S	Plant Resources of South East Asia (PROSEA)	https://www.prota4u.org/prosea/	A list of all species was downloaded in April 2013 during compilation of the Agroforestry Species Switchboard version 1.4 from the previous website for E-PROSEA (http://proseanet.org/prosea/eprosea.php ; this website was offline during compilation of Switchboard version 2.0, but identities of species had not changed). The same procedure for standardization of plant names was used as described for Ecocrop (Appendix 1).	The list represents a selection of useful plant species for Southeast Asia.
Z	Useful Tree Species for South East Asia (UTSSEA)	Various sources, see Appendix 4.	See Appendix 4.	This list represents a list of useful tree species for Southeast Asia.

Appendix 3. A list of useful tree species for India

The list was compiled from five sources on useful tree species: (i) Common Trees of India (Mukherjee P. 1988. Common trees of India. Oxford University Press); (ii) 40 species with the highest number of stems and highest volumes (in agroforestry in India as documented in the 2013 India State of Forest Report (http://fsi.nic.in/cover_2013/treesinggroforestry.pdf) (Note that the most recent 2019 India State of Forest Report only gives the top 10 Trees On Farms species [Table 7.3]); (iii) nationally important agroforestry species as identified by the Indian Council of Agricultural Research (document shared with Javed Rizvi, ICRAF's regional coordinator for South Asia); (iv) species listed by the GROW-TREES project website (URL <https://www.grow-trees.com/our-trees.php>; accessed in January 2017); and (v) species listed among 25 promising agroforestry tree species for India (Chaturvedi et al. 2017. Promising Agroforestry Tree Species In India. Central Agroforestry Research Institute and World Agroforestry).

Ranking	Species
top-100	<i>Acacia catechu</i> (+ <i>Senegalia catechu</i>)
top-100	<i>Acacia mangium</i>
top-100	<i>Acacia nilotica</i> (+ <i>Vachellia nilotica</i>)
top-100	<i>Albizia lebbeck</i>
top-100	<i>Albizia procera</i>
top-100	<i>Albizia saman</i>
top-100	<i>Alnus nepalensis</i>
top-100	<i>Anacardium occidentale</i>
top-100	<i>Areca catechu</i>
top-100	<i>Artocarpus heterophyllus</i>
top-100	<i>Azadirachta indica</i>
top-100	<i>Borassus flabellifer</i>
top-100	<i>Carica papaya</i>
top-100	<i>Casuarina equisetifolia</i>
top-100	<i>Ceiba pentandra</i>
top-100	<i>Cocos nucifera</i>
top-100	<i>Dalbergia sissoo</i>
top-100	<i>Erythrina variegata</i>
top-100	<i>Eucalyptus tereticornis</i>
top-100	<i>Gliricidia sepium</i>
top-100	<i>Gmelina arborea</i>
top-100	<i>Grevillea robusta</i>
top-100	<i>Hevea brasiliensis</i>
top-100	<i>Jatropha curcas</i>
top-100	<i>Leucaena leucocephala</i>
top-100	<i>Mangifera indica</i>
top-100	<i>Melia azedarach</i>
top-100	<i>Moringa oleifera</i>
top-100	<i>Pithecellobium dulce</i>
top-100	<i>Pongamia pinnata</i>
top-100	<i>Prosopis cineraria</i>
top-100	<i>Psidium guajava</i>
top-100	<i>Senna siamea</i>
top-100	<i>Syzygium cumini</i>
top-100	<i>Tamarindus indica</i>

Ranking	Species
top-100	<i>Tectona grandis</i>
top-100	<i>Terminalia catappa</i>
top-100	<i>Ziziphus jujuba</i>
top-830	<i>Adenanthera pavonina</i>
top-830	<i>Ailanthus excelsa</i>
top-830	<i>Bambusa vulgaris</i>
top-830	<i>Barringtonia asiatica</i>
top-830	<i>Bombax ceiba</i>
top-830	<i>Butea monosperma</i>
top-830	<i>Couroupita guianensis</i>
top-830	<i>Delonix regia</i>
top-830	<i>Ficus benghalensis</i>
top-830	<i>Ficus racemosa</i>
top-830	<i>Ficus religiosa</i>
top-830	<i>Hardwickia binata</i>
top-830	<i>Lagerstroemia speciosa</i>
top-830	<i>Madhuca longifolia</i>
top-830	<i>Neolamarckia cadamba</i>
top-830	<i>Peltophorum pterocarpum</i>
top-830	<i>Phoenix sylvestris</i>
top-830	<i>Phyllanthus emblica</i>
top-830	<i>Pinus kesiya</i>
top-830	<i>Pinus palustris</i>
top-830	<i>Pinus roxburghii</i>
top-830	<i>Populus deltoides</i>
top-830	<i>Pterocarpus santalinus</i>
top-830	<i>Shorea robusta</i>
top-830	<i>Spathodea campanulata</i>
top-830	<i>Terminalia arjuna</i>
top-830	<i>Terminalia bellirica</i>
top-830	<i>Terminalia chebula</i>
top-830	<i>Thespesia populnea</i>
top-830	<i>Toona ciliata</i>
outside top-830	<i>Acacia lenticularis</i>
outside top-830	<i>Grewia oppositifolia</i>
outside top-830	<i>Grewia optiva</i>
outside top-830	<i>Holoptelea integrifolia</i>
outside top-830	<i>Millingtonia hortensis</i>
outside top-830	<i>Plumeria rubra</i>
outside top-830	<i>Polyalthia longifolia</i>
outside top-830	<i>Quercus incana</i>
outside top-830	<i>Quercus oblongata</i>
outside top-830	<i>Salix alba</i>
outside top-830	<i>Terminalia crenulata</i>

Appendix 4. Useful tree species for South East Asia

The list was compiled from two source materials on useful tree species: (i) Jensen M. 1999. Trees Commonly Cultivated in Southeast Asia. FAO Regional Office for Asia and the Pacific. <http://www.fao.org/3/ac775e/AC775E00.htm>; and (ii) Gunasena HPM and Roshetko JM. 2000. Tree Domestication in Southeast Asia. Results of a regional study on institutional capacity for tree domestication in national programmes. Annex V: Focal species for region by institution. ICRAF and Winrock International. Species names were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3).

Ranking	Species
top-100	<i>Acacia auriculiformis</i>
top-100	<i>Acacia catechu</i> (+ <i>Senegalia catechu</i>)
top-100	<i>Acacia mangium</i>
top-100	<i>Acacia mearnsii</i>
top-100	<i>Albizia lebbeck</i>
top-100	<i>Albizia procera</i>
top-100	<i>Albizia saman</i>
top-100	<i>Aleurites moluccanus</i>
top-100	<i>Anacardium occidentale</i>
top-100	<i>Annona muricata</i>
top-100	<i>Areca catechu</i>
top-100	<i>Artocarpus altilis</i>
top-100	<i>Artocarpus heterophyllus</i>
top-100	<i>Azadirachta indica</i>
top-100	<i>Bixa Orellana</i>
top-100	<i>Borassus flabellifer</i>
top-100	<i>Calliandra calothrysus</i>
top-100	<i>Carica papaya</i>
top-100	<i>Cassia fistula</i>
top-100	<i>Casuarina equisetifolia</i>
top-100	<i>Ceiba pentandra</i>
top-100	<i>Chrysophyllum cainito</i>
top-100	<i>Citrus maxima</i>
top-100	<i>Citrus sinensis</i>
top-100	<i>Cocos nucifera</i>
top-100	<i>Elaeis guineensis</i>
top-100	<i>Erythrina poeppigiana</i>
top-100	<i>Erythrina variegata</i>
top-100	<i>Eucalyptus camaldulensis</i>
top-100	<i>Eucalyptus grandis</i>
top-100	<i>Eucalyptus robusta</i>
top-100	<i>Eucalyptus tereticornis</i>
top-100	<i>Eucalyptus urophylla</i>
top-100	<i>Falcataria moluccana</i>
top-100	<i>Gliricidia sepium</i>
top-100	<i>Gmelina arborea</i>
top-100	<i>Grevillea robusta</i>
top-100	<i>Hevea brasiliensis</i>
top-100	<i>Khaya senegalensis</i>
top-100	<i>Leucaena leucocephala</i>
top-100	<i>Macadamia integrifolia</i>

Ranking	Species
top-100	<i>Mangifera indica</i>
top-100	<i>Manilkara zapota</i>
top-100	<i>Melia azedarach</i>
top-100	<i>Moringa oleifera</i>
top-100	<i>Morus alba</i>
top-100	<i>Persea americana</i>
top-100	<i>Pinus caribaea</i>
top-100	<i>Pithecellobium dulce</i>
top-100	<i>Pouteria sapota</i>
top-100	<i>Psidium guajava</i>
top-100	<i>Pterocarpus indicus</i>
top-100	<i>Senna siamea</i>
top-100	<i>Sesbania grandiflora</i>
top-100	<i>Swietenia macrophylla</i>
top-100	<i>Syzygium cumini</i>
top-100	<i>Tamarindus indica</i>
top-100	<i>Tectona grandis</i>
top-100	<i>Terminalia catappa</i>
top-100	<i>Theobroma cacao</i>
top-100	<i>Ziziphus jujube</i>
top-830	<i>Acacia aulacocarpa</i>
top-830	<i>Acacia crassicarpa</i>
top-830	<i>Acacia difficilis</i>
top-830	<i>Acacia polyacantha</i>
top-830	<i>Aegle marmelos</i>
top-830	<i>Afzelia xylocarpa</i>
top-830	<i>Agathis dammara</i>
top-830	<i>Allophylus cobbe</i>
top-830	<i>Alstonia scholaris</i>
top-830	<i>Anisoptera costata</i>
top-830	<i>Annona squamosa</i>
top-830	<i>Antidesma bunius</i>
top-830	<i>Aquilaria crassna</i>
top-830	<i>Aquilaria malaccensis</i>
top-830	<i>Araucaria cunninghamii</i>
top-830	<i>Arenga pinnata</i>
top-830	<i>Artocarpus camansi</i>
top-830	<i>Artocarpus integer</i>
top-830	<i>Artocarpus odoratissimus</i>
top-830	<i>Averrhoa bilimbi</i>
top-830	<i>Averrhoa carambola</i>
top-830	<i>Azadirachta excelsa</i>
top-830	<i>Baccaurea racemosa</i>
top-830	<i>Baccaurea ramiflora</i>
top-830	<i>Bombax ceiba</i>
top-830	<i>Bouea macrophylla</i>
top-830	<i>Cajanus cajan</i>
top-830	<i>Calophyllum inophyllum</i>
top-830	<i>Camellia sinensis</i>
top-830	<i>Canarium album</i>
top-830	<i>Castanopsis javanica</i>
top-830	<i>Casuarina junghuhniana</i>
top-830	<i>Chukrasia tabularis</i>
top-830	<i>Cinnamomum burmanni</i>

Ranking	Species
top-830	<i>Cinnamomum cassia</i>
top-830	<i>Citrus hystrix</i>
top-830	<i>Coffea arabica</i>
top-830	<i>Coffea canephora</i>
top-830	<i>Corymbia torelliana</i>
top-830	<i>Cunninghamia lanceolata</i>
top-830	<i>Dalbergia latifolia</i>
top-830	<i>Delonix regia</i>
top-830	<i>Dillenia philippinensis</i>
top-830	<i>Dimocarpus longan</i>
top-830	<i>Dipterocarpus alatus</i>
top-830	<i>Durio zibethinus</i>
top-830	<i>Dyera costulata</i>
top-830	<i>Eucalyptus deglupta</i>
top-830	<i>Eucalyptus pellita</i>
top-830	<i>Eurycoma longifolia</i>
top-830	<i>Eusideroxylon zwageri</i>
top-830	<i>Ficus deltoidei</i>
top-830	<i>Gnetum gnemon</i>
top-830	<i>Hopea odorata</i>
top-830	<i>Illicium verum</i>
top-830	<i>Intsia bijuga</i>
top-830	<i>Lagerstroemia speciosa</i>
top-830	<i>Lansium parasiticum</i>
top-830	<i>Leucaena diversifolia</i>
top-830	<i>Litchi chinensis</i>
top-830	<i>Maesopsis eminii</i>
top-830	<i>Mangifera altissima</i>
top-830	<i>Mangifera foetida</i>
top-830	<i>Manilkara kauki</i>
top-830	<i>Melaleuca cajuputi</i>
top-830	<i>Melaleuca leucadendra</i>
top-830	<i>Muntingia calabura</i>
top-830	<i>Myristica fragrans</i>
top-830	<i>Nephelium lappaceum</i>
top-830	<i>Nypa fruticans</i>
top-830	<i>Parkia speciosa</i>
top-830	<i>Peltophorum pterocarpum</i>
top-830	<i>Pericopsis mooniana</i>
top-830	<i>Phyllanthus acidus</i>
top-830	<i>Phyllanthus emblica</i>
top-830	<i>Pinus kesiya</i>
top-830	<i>Pinus merkusii</i>
top-830	<i>Pterocarpus macrocarpus</i>
top-830	<i>Punica granatum</i>
top-830	<i>Sandoricum koetjape</i>
top-830	<i>Santalum album</i>
top-830	<i>Sapindus saponaria</i>
top-830	<i>Shorea javanica</i>
top-830	<i>Spondias dulcis</i>
top-830	<i>Styrax tonkinensis</i>
top-830	<i>Swietenia mahagoni</i>
top-830	<i>Syzygium aqueum</i>
top-830	<i>Syzygium aromaticum</i>

Ranking	Species
top-830	<i>Syzygium jambos</i>
top-830	<i>Syzygium malaccense</i>
top-830	<i>Syzygium samarangense</i>
top-830	<i>Taxus baccata</i>
top-830	<i>Tephrosia vogelii</i>
top-830	<i>Toona sureni</i>
top-830	<i>Trema orientalis</i>
top-830	<i>Vernicia montana</i>
top-830	<i>Vitex parviflora</i>
top-830	<i>Wrightia arborea</i>
top-830	<i>Xylia xylocarpa</i>
top-830	<i>Zanthoxylum rhetsa</i>
outside top-830	<i>Allocasuarina littoralis</i>
outside top-830	<i>Camellia sasanqua</i>
outside top-830	<i>Canarium acutifolium</i>
outside top-830	<i>Castanopsis boisii</i>
outside top-830	<i>Castanopsis philipensis</i>
outside top-830	<i>Cinnamomum mercadoi</i>
outside top-830	<i>Corypha lecomtei</i>
outside top-830	<i>Dalbergia bariensis</i>
outside top-830	<i>Discocalyx cybiantoides</i>
outside top-830	<i>Duabanga moluccana</i>
outside top-830	<i>Endospermum chinense</i>
outside top-830	<i>Erythrophleum fordii</i>
outside top-830	<i>Eucalyptus exserta</i>
outside top-830	<i>Garcinia gummi-gutta</i>
outside top-830	<i>Gleditsia fera</i>
outside top-830	<i>Gliricidia maculata</i>
outside top-830	<i>Homalium bhamoense</i>
outside top-830	<i>Indigofera zollingeriana</i>
outside top-830	<i>Lagerstroemia floribunda</i>
outside top-830	<i>Litchi philippinensis</i>
outside top-830	<i>Lithocarpus celebicus</i>
outside top-830	<i>Macadamia ternifolia</i>
outside top-830	<i>Madhuca pasquieri</i>
outside top-830	<i>Magnolia hypolempira</i>
outside top-830	<i>Mangifera minor</i>
outside top-830	<i>Markhamia stipulata</i>
outside top-830	<i>Mimusops elengi</i>
outside top-830	<i>Nephelium chrysanthemum</i>
outside top-830	<i>Nephelium glabrum</i>
outside top-830	<i>Oroxylum indicum</i>
outside top-830	<i>Parashorea chinensis</i>
outside top-830	<i>Parkia javanica</i>
outside top-830	<i>Parkia timoriensis</i>
outside top-830	<i>Peronema canescens</i>
outside top-830	<i>Pinus massoniana</i>
outside top-830	<i>Podocarpus rumphii</i>
outside top-830	<i>Sapindus mukorossi</i>
outside top-830	<i>Sapium sebiferum</i>
outside top-830	<i>Scaphium affine</i>
outside top-830	<i>Sesbania formosa</i>
outside top-830	<i>Sindora siamensis</i>
outside top-830	<i>Spondias pinnata</i>

Ranking	Species
outside top-830	<i>Strychnos nux-vomica</i>
outside top-830	<i>Syzygium nitidum</i>
outside top-830	<i>Tarrietia javanica</i>
outside top-830	<i>Zapoteca tetragona</i>

Appendix 5. Attribute databases to characterize prioritized species

This list was not used to determine prioritized tree species, but, once prioritized species had been determined, it was used to annotate them.

Code	Database name (short name or acronym)	Source	Compilation of species list
c	Invasive Species Compendium (ISC)	https://www.cabi.org/isc	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.
i	Global Invasive Species Database (GISD)	http://www.iucngisd.org/gis/d/	A list of all species was downloaded in August 2018 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.
g	Global Register of Introduced and Invasive Species (GRIIS)	http://www.griis.org/	A list of all species was downloaded in March 2019 during compilation of the Agroforestry Species Switchboard version 2.0 (http://www.worldagroforestry.org/products/switchboard/). The same procedure for standardization of plant names was used as described for Ecocrop above.
o	OECD Scheme for the Certification of Forest Reproductive Material (OECD)	https://www.oecd.org/agriculture/forest/	A list of species for the forthcoming new edition of the online database was obtained via email from the Programme Manager of the OECD Seed Schemes & OECD Forest Seed and Plant Scheme. Species names were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3)
s	First report on The State of the World's Forest Genetic Resources (SoWFGR)	">http://www.fao.org/forest-genetic-resources/en/-> http://www.fao.org/3/a-i3825e.pdf	The first report on The State of the World's Forest Genetic Resources constitutes a major milestone in building the information and knowledge base on forest genetic resources at national, regional and international levels. The report was prepared by the Food and Agriculture Organization of the UN (FAO) based on information provided by 86 countries, outcomes from regional consultations and findings of thematic studies. In preparation of the report, an unpublished crosstabulation was made showing the distribution of tree species in countries. This crosstabulation was shared by the FAO co-author of this manuscript. A subset was selected of species that were listed for more than one country. Species names were standardized with World Flora Online (May 2019 version) via the WorldFlora package (version 1.3)
z	Global Agro-ecological Zones (GAEZ)	https://webarchive.iiasa.ac.at/Research/LUC/GAEZv3.0/	A species list was compiled from Table A4-3 Crops of the user guide (starting from page 36; https://webarchive.iiasa.ac.at/Research/LUC/GAEZv3.0/docs/GAEZ_User_Guide.pdf)

Appendix 6. ‘Top-100’ and ‘top-830’ lists of tree species

Species are sorted by total number of global and regional database mentions (counts), then alphabetically. The exception is *Cajanus cajan*, as explained under methods (Sec. 2.2). Database codes correspond to Appendix 1 (global databases), Appendix 2 (regional databases) and Appendix 5 (attribute databases). A hyphen separates the global codes from the regional codes and the regional codes from the attribute codes.

TOP	Database count	scientificName	Databases
100	19	<i>Albizia saman</i>	CEeDGHLNTuW-AIBMRPSZ-cigs
100	19	<i>Anacardium occidentale</i>	CEeDGHLNTuY-AXIBRSZ-cgos
100	17	<i>Ceiba pentandra</i>	CEeDGHLNTuY-AXIBRZ-cgs
100	17	<i>Cocos nucifera</i>	CEeDGHNTuWY-AXIPZ-cgsz
100	16	<i>Gliricidia sepium</i>	EeDFGHLNTu-IBMRPSZ-cgos
100	15	<i>Albizia lebbeck</i>	CEeDFGHLNTuW-AISZ-cigos
100	15	<i>Enterolobium cyclocarpum</i>	CEeDGHLTuW-ABMRS-gs
100	15	<i>Tamarindus indica</i>	CEeDGHLNTu-XISZ-cgos
100	14	<i>Acacia nilotica</i> + <i>Vachellia nilotica</i>	CEeDFGHLNTu-AXIS-cigos
100	14	<i>Artocarpus altilis</i>	CEeDGNTuU-ARPSZ-cgs
100	14	<i>Azadirachta indica</i>	CEeDGHLNTu-AISZ-cgos
100	14	<i>Casuarina equisetifolia</i>	CEeGHLNTu-AIPSZ-cios
100	14	<i>Mangifera indica</i>	CEeDNTuWY-IPSZ-cgs
100	14	<i>Melia azedarach</i>	CEeDGHLTuW-AISZ-cigos
100	14	<i>Prosopis juliflora</i>	CEeDGHLTuW-BMRS-cis
100	14	<i>Psidium guajava</i>	CEeDHNTuY-IBSZ-cigs
100	13	<i>Acacia mangium</i>	CEeHLNTuW-AIRZ-cigos
100	13	<i>Bixa orellana</i>	CEeDGNTu-ABRSZ-cg
100	13	<i>Calliandra calothyrsus</i>	EeDFGHLNTu-ARSZ-os
100	13	<i>Cordia alliodora</i>	CEeHTuW-ABMRS-cgs
100	13	<i>Hevea brasiliensis</i>	CEeDGHNTuY-ISZ-cgs
100	13	<i>Moringa oleifera</i>	CEeDGLNTuU-IRZ-cgos
100	13	<i>Persea americana</i>	EeGNTuU-Y-BMRSZ-cgs
100	13	<i>Senna siamea</i>	CEeDGHLTuW-ISZ-cgos
100	13	<i>Ziziphus jujuba</i>	EeDLNTuU-XIRSZ-cios
100	12	<i>Acacia mearnsii</i>	CEeHLNTuW-ASZ-cigos
100	12	<i>Alnus nepalensis</i>	CEeGHLNTuW-AI-s
100	12	<i>Artocarpus heterophyllus</i>	EeDGTuU-AIPSZ-cgs
100	12	<i>Bertholletia excelsa</i>	CEeGNTuU-Y-AMS-c
100	12	<i>Carica papaya</i>	EeDNTuU-Y-AISZ-cgs
100	12	<i>Cedrela odorata</i>	CEeHTuW-ABMR-cigs
100	12	<i>Citrus sinensis</i>	EeDNTuU-Y-APSZ-cgsz
100	12	<i>Elaeis guineensis</i>	EeDGHNTuY-AXZ-cigosz
100	12	<i>Eucalyptus camaldulensis</i>	CEeGHLNTuW-ASZ-cos
100	12	<i>Eucalyptus tereticornis</i>	CEeGHLNTu-AISZ-cgos
100	12	<i>Faidherbia albida</i>	EeDGHNLtu-AXS-gs
100	12	<i>Falcataria moluccana</i>	CEeDHLNTu-ASZ-cigs
100	12	<i>Hymenaea courbaril</i>	CEeGLNTuW-BMR-cs
100	12	<i>Jatropha curcas</i>	EeDGLNTu-IBRS-cgosz
100	12	<i>Leucaena leucocephala</i>	EeDFGHLNTu-IRSZ-cigs
100	12	<i>Manilkara zapota</i>	CEeNTuUW-BRSZ-cg

TOP	Database count	scientificName	Databases
100	12	<i>Olea europaea</i>	CEeDGNTUuWY-X-cigosz
100	12	<i>Pithecellobium dulce</i>	EeDGHNTu-IBSZ-cgos
100	12	<i>Swietenia macrophylla</i>	CEeHTuW-BMRZ-cgs
100	12	<i>Syzygium cumini</i>	CEeDHNTu-ISZ-cigos
100	12	<i>Terminalia catappa</i>	CEeGHTu-IRPSZ-cigos
100	12	<i>Theobroma cacao</i>	EeDGNTuY-MRSZ-cz
100	11	<i>Acacia auriculiformis</i>	CEeHLNTu-ASZ-cgos
100	11	<i>Acacia senegal</i>	EeDGHLNTu-AX-os
100	11	<i>Acacia tortilis</i> + <i>Vachellia tortilis</i>	EeDGHLNTu-AX-cgos
100	11	<i>Aleurites moluccanus</i>	CEeGNTu-APSZ-cig
100	11	<i>Annona muricata</i>	EeNTUu-ABMSZ-cgos
100	11	<i>Areca catechu</i>	EeGTuY-AIPSZ-cg
100	11	<i>Bactris gasipaes</i>	EeDGNu-ABMRS-
100	11	<i>Borassus flabellifer</i>	CEeDGuW-AISZ-cgs
100	11	<i>Brosimum alicastrum</i>	CEeDGTuU-ABR-c
100	11	<i>Calophyllum brasiliense</i>	CEeHTu-ABMR-s
100	11	<i>Dalbergia sissoo</i>	CEeDHLNTu-Al-cigs
100	11	<i>Erythrina poeppigiana</i>	EeDFGNTu-ABSZ-cg
100	11	<i>Eucalyptus grandis</i>	CEeGHNTuW-AZ-cgos
100	11	<i>Gmelina arborea</i>	CEeDHLNTu-IZ-cgos
100	11	<i>Morus alba</i>	CEeDGNTu-RSZ-cis
100	11	<i>Phoenix dactylifera</i>	EeDGNTUuY-XS-cg
100	11	<i>Pinus caribaea</i>	CEeGHTu-BMZ-cios
100	10	<i>Acacia catechu</i> + <i>Senegalia catechu</i>	EeDGTu-AISZ-cigs
100	10	<i>Acacia seyal</i> + <i>Vachellia seyal</i>	EeDGLNTu-AX-s
100	10	<i>Adansonia digitata</i>	EeDGLTu-AXS-cgos
100	10	<i>Albizia procera</i>	CEeNTu-AISZ-cgs
100	10	<i>Alnus acuminata</i>	EeGHTu-ABR-cos
100	10	<i>Andira inermis</i>	CeHTuW-ABRS-gs
100	10	<i>Annona cherimola</i>	EeNTUu-AMRS-cg
100	10	<i>Byrsonima crassifolia</i>	CeNTUu-ABRS-cgs
100	10	<i>Cassia fistula</i>	EeDGNTu-ASZ-cg
100	10	<i>Ceratonia siliqua</i>	EeDGNTUY-AX-cgos
100	10	<i>Chrysophyllum cainito</i>	EeNTu-ABRSZ-cg
100	10	<i>Cinnamomum camphora</i>	CEeGLTuW-AS-cgos
100	10	<i>Citrus maxima</i>	EeNTUu-APSZ-cgs
100	10	<i>Corymbia citriodora</i>	CEeGHNTu-AS-cgos
100	10	<i>Cupressus lusitanica</i>	CEeHTuW-ABM-cos
100	10	<i>Erythrina variegata</i>	EeDTu-AIPSZ-cg
100	10	<i>Eucalyptus globulus</i>	CEeGHNTuW-A-cos
100	10	<i>Eucalyptus robusta</i>	CEeHNTuW-AZ-cgos
100	10	<i>Eucalyptus urophylla</i>	EeGHTu-ASZ-cgos
100	10	<i>Euphorbia tirucalli</i>	EeGHNTu-AXS-cg
100	10	<i>Genipa americana</i>	CEeLNTu-BRS-s
100	10	<i>Gleditsia triacanthos</i>	CEeDGNTuW-S-cgos
100	10	<i>Grevillea robusta</i>	CEeHTu-ISZ-cigos
100	10	<i>Guazuma ulmifolia</i>	CEeGLTu-BRS-cgs
100	10	<i>Khaya senegalensis</i>	CEeHTuW-XZ-cgos
100	10	<i>Macadamia integrifolia</i>	EeDGNTUu-SZ-cg
100	10	<i>Mammea americana</i>	CEeNTUu-BRS-cg
100	10	<i>Pachira quinata</i>	CEeHTu-ABMR-
100	10	<i>Pongamia pinnata</i>	EeDGLNTu-IS-cg
100	10	<i>Pouteria sapota</i>	EeNTUu-BRSZ-c

TOP	Database count	scientificName	Databases
100	10	<i>Prosopis cineraria</i>	EeDGHNTu-IS-cs
100	10	<i>Pterocarpus indicus</i>	CEeLNTuW-PZ-c
100	10	<i>Sesbania grandiflora</i>	EeDFGHNTu-SZ-cg
100	10	<i>Spondias mombin</i>	CEeDNTu-BRS-cgs
100	10	<i>Tectona grandis</i>	CEeHLNTu-IZ-cgos
100	10	<i>Vitellaria paradoxa</i>	EeDGLNTuY-X-cgs
830	13	<i>Cajanus cajan</i>	EeDFGNTUuY-ARSZ-cgoz
830	9	<i>Acacia crassicarpa</i>	CEeHTu-ASZ-cgs
830	9	<i>Acacia farnesiana</i>	EeDNu-ABRS-cigs
830	9	<i>Acacia koa</i>	CEeGTuW-AP-c
830	9	<i>Acacia melanoxylon</i>	CEeHTuW-AX-cigos
830	9	<i>Acacia saligna</i>	EeGHNTu-AX-cigos
830	9	<i>Adenanthera pavonina</i>	CEeDTu-AI-cigs
830	9	<i>Albizia guachapele</i>	CeHTu-ABMR-
830	9	<i>Alstonia scholaris</i>	CEeLTu-ASZ-cgs
830	9	<i>Annona reticulata</i>	EeNTUu-ABS-cgs
830	9	<i>Annona squamosa</i>	EeNTUu-ARZ-cig
830	9	<i>Araucaria angustifolia</i>	CEeGHuW-AM-cgos
830	9	<i>Artocarpus integer</i>	CEeGTu-ASZ-cg
830	9	<i>Astronium graveolens</i>	CeLuW-ABMR-s
830	9	<i>Aucoumea klaineana</i>	CEeHTuW-AX-cs
830	9	<i>Balanites aegyptiaca</i>	EeDGLTu-AX-cs
830	9	<i>Bombax ceiba</i>	CEeDGu-AIZ-cgs
830	9	<i>Bruguiera gymnorhiza</i>	EeNTu-AXPS-cg
830	9	<i>Bursera simaruba</i>	CEeGTu-ABR-cg
830	9	<i>Calophyllum inophyllum</i>	CEeLTu-APZ-cgos
830	9	<i>Calotropis procera</i>	EeDGTu-AXS-cg
830	9	<i>Calycophyllum candidissimum</i>	CeHuW-ABMR-
830	9	<i>Canarium indicum</i>	CEeGTu-APS-g
830	9	<i>Canarium ovatum</i>	EeGNTUu-AS-
830	9	<i>Carapa guianensis</i>	CEeTu-ABMR-gs
830	9	<i>Castanea sativa</i>	CEeGUWY-AS-cgos
830	9	<i>Casuarina cunninghamiana</i>	CEeNTu-APS-cgos
830	9	<i>Coffea arabica</i>	EeDNTuY-AZ-cgsz
830	9	<i>Cunninghamia lanceolata</i>	CEeHTu-AZ-cg
830	9	<i>Delonix regia</i>	EeDHTu-AIZ-cgos
830	9	<i>Dimocarpus longan</i>	CeNTUu-ASZ-c
830	9	<i>Diospyros kaki</i>	EeNTUuY-AS-cg
830	9	<i>Durio zibethinus</i>	CeNTUu-ASZ-cg
830	9	<i>Eriobotrya japonica</i>	EeNTUu-ARS-cigs
830	9	<i>Erythrina fusca</i>	EeNTu-ABRS-cg
830	9	<i>Eucalyptus deglupta</i>	CEeHTuW-AZ-cgs
830	9	<i>Inga vera</i>	EeGNTu-ABR-c
830	9	<i>Madhuca longifolia</i>	CEeDGLTu-I-cs
830	9	<i>Maesopsis eminii</i>	CEeHTu-SZ-cgo
830	9	<i>Milicia excelsa</i>	CEeHTuW-X-cgs
830	9	<i>Myristica fragrans</i>	EeNTUuY-SZ-cg
830	9	<i>Myroxylon balsamum</i>	CEeTuW-BMR-cs
830	9	<i>Nephelium lappaceum</i>	CEeNTUu-SZ-cg
830	9	<i>Ochroma pyramidale</i>	CEeHuW-BMR-cgs
830	9	<i>Parinari curatellifolia</i>	CEeDGLTu-X-g
830	9	<i>Parkia biglobosa</i>	EeDGHTu-X-gos
830	9	<i>Phyllanthus emblica</i>	EeLNTu-ISZ-cgs
830	9	<i>Pinus kesiya</i>	CEeHTu-IZ-cos

TOP	Database count	scientificName	Databases
830	9	<i>Pinus merkusii</i>	CEeGHTu-Z-cgs
830	9	<i>Pinus oocarpa</i>	CEeGHLu-BM-cgs
830	9	<i>Populus deltoides</i>	CEeGHNTW-I-cos
830	9	<i>Prunus armeniaca</i>	EeGNUWY-AS-cs
830	9	<i>Punica granatum</i>	EeNTUu-RSZ-cg
830	9	<i>Rhizophora mangle</i>	CEeNu-BMRP-ci
830	9	<i>Santalum album</i>	CEeDLTu-SZ-cgs
830	9	<i>Shorea javanica</i>	CEeGLTu-SZ-
830	9	<i>Simarouba amara</i>	CEeGHTu-BR-cgs
830	9	<i>Swietenia mahagoni</i>	CEeHTu-MZ-cgs
830	9	<i>Syzygium aromaticum</i>	EeNTUuY-SZ-cg
830	9	<i>Tabebuia rosea</i>	CEeHTu-BMR-cgs
830	9	<i>Terminalia arjuna</i>	CEeLNTu-IS-cg
830	9	<i>Terminalia bellirica</i>	CEeDTu-IS-cg
830	9	<i>Thespesia populnea</i>	CEeTu-IRPS-cgs
830	9	<i>Toona ciliata</i>	CEeHTuW-AI-cos
830	9	<i>Trema orientalis</i>	CEeGTu-XSZ-g
830	9	<i>Ximenia americana</i>	EeLTuY-XRS-cs
830	8	<i>Acacia angustissima</i>	EeFGTu-AB-c
830	8	<i>Acacia erioloba + Vachellia erioloba</i>	EeDTuW-AX-g
830	8	<i>Aegle marmelos</i>	EeNTu-ASZ-cg
830	8	<i>Afzelia africana</i>	CEeLTu-AX-
830	8	<i>Agathis dammara</i>	CEeHLu-AZ-g
830	8	<i>Ailanthus altissima</i>	CEeNTW-AS-cigos
830	8	<i>Anacardium excelsum</i>	CeHLu-ABR-
830	8	<i>Antidesma bunius</i>	EeNTu-ASZ-cig
830	8	<i>Aquilaria malaccensis</i>	CEeLu-ASZ-cs
830	8	<i>Araucaria cunninghamii</i>	CEeHTu-AZ-cos
830	8	<i>Arenga pinnata</i>	EeGTu-ASZ-cg
830	8	<i>Argania spinosa</i>	EeDGtu-AX-cs
830	8	<i>Averrhoa bilimbi</i>	EeNTu-ARZ-cg
830	8	<i>Averrhoa carambola</i>	EeNTUu-AZ-cg
830	8	<i>Bambusa vulgaris</i>	EeDGu-AIS-cig
830	8	<i>Blighia sapida</i>	EeGNTu-AR-cg
830	8	<i>Borassus aethiopum</i>	EeGLTu-AX-gs
830	8	<i>Camellia sinensis</i>	EeNuY-ASZ-csz
830	8	<i>Cananga odorata</i>	CEeTu-APS-c
830	8	<i>Carya illinoiensis</i>	CEeGNUW-A-cg
830	8	<i>Cassia grandis</i>	eGTu-ABRS-cg
830	8	<i>Casuarina junghuhniana</i>	EeNTu-ASZ-go
830	8	<i>Chukrasia tabularis</i>	CEeLTu-AZ-cgs
830	8	<i>Cinnamomum verum</i>	EeNTUuY-AS-cigo
830	8	<i>Citrus medica</i>	EeDNu-APS-cg
830	8	<i>Colophospermum mopane</i>	CEeGTW-AX-
830	8	<i>Conocarpus erectus</i>	CEeNu-ABR-cg
830	8	<i>Copaifera langsdorffii</i>	CEeGNTu-A-
830	8	<i>Crotalaria juncea</i>	EeDFNTu-AS-cg
830	8	<i>Dalbergia latifolia</i>	CEeLTu-AZ-cs
830	8	<i>Dalbergia melanoxylon</i>	CEeLTu-AX-cgs
830	8	<i>Diospyros virginiana</i>	CEeNTUW-A-cg
830	8	<i>Dipterocarpus alatus</i>	CeGLTu-AZ-
830	8	<i>Dipteryx odorata</i>	CEeNuW-AS-cgs
830	8	<i>Dovyalis caffra</i>	EeLNTu-AS-cg

TOP	Database count	scientificName	Databases
830	8	<i>Dyera costulata</i>	CeGLuW-AZ-cg
830	8	<i>Eucalyptus saligna</i>	EeDHNTu-A-cgos
830	8	<i>Ficus benghalensis</i>	EeDNU-AIS-cg
830	8	<i>Ficus carica</i>	EeDNUuY-A-cgs
830	8	<i>Ficus elastica</i>	EeDGuY-AS-cg
830	8	<i>Flacourtie indica</i>	EeNTu-AXS-cigs
830	8	<i>Flemingia macrophylla</i>	EeDFGTu-AS-cg
830	8	<i>Hardwickia binata</i>	CEeLTuW-I-
830	8	<i>Hibiscus sabdariffa</i>	EeDNTUu-S-cg
830	8	<i>Hieronyma alchorneoides</i>	CEHLT-BR-c
830	8	<i>Inga edulis</i>	EeGNTu-BR-cg
830	8	<i>Intsia bijuga</i>	CEeTu-PSZ-os
830	8	<i>Juglans regia</i>	CEeDGNUY-cgos
830	8	<i>Kigelia africana</i>	CEeDLTu-X-c
830	8	<i>Leucaena diversifolia</i>	EeFGTu-SZ-cgo
830	8	<i>Liquidambar styraciflua</i>	CEeHTuW-B-cg
830	8	<i>Litchi chinensis</i>	EeNTUu-SZ-cgs
830	8	<i>Malus domestica</i>	CEeDUWY-S-c
830	8	<i>Morus nigra</i>	CEeDTUu-S-cgs
830	8	<i>Muntingia calabura</i>	EeHNu-RSZ-cg
830	8	<i>Peltophorum pterocarpum</i>	EeHTu-ISZ-cg
830	8	<i>Pimenta dioica</i>	EeNUu-BRS-cig
830	8	<i>Pinus patula</i>	CEeHLT-M-cos
830	8	<i>Prosopis africana</i>	CEeGLTu-X-s
830	8	<i>Prosopis alba</i>	EeGLNTu-M-
830	8	<i>Prosopis chilensis</i>	EeDGNTu-M-cgs
830	8	<i>Prosopis tamarugo</i>	EeDGHNTu--
830	8	<i>Prunus dulcis</i>	EeDGNUY-A-cgos
830	8	<i>Pterocarpus angolensis</i>	CEeLTuW-X-s
830	8	<i>Pueraria montana</i>	EeDGNTu-S-cig
830	8	<i>Pyrus communis</i>	CEeNTUWY-cos
830	8	<i>Ricinus communis</i>	EeDGNuY-R-cig
830	8	<i>Roseodendron donnell-smithii</i>	CEeHTuW-B-
830	8	<i>Schinziophyton rautanenii</i>	CEeGLTu-X-s
830	8	<i>Schizolobium parahyba</i>	CEeHTu-BR-cgos
830	8	<i>Sclerocarya birrea</i>	EeGLNTu-X-cs
830	8	<i>Sesbania sesban</i>	EeDFGTu-XS-co
830	8	<i>Simmondsia chinensis</i>	EeDGNTuY-cgo
830	8	<i>Spathodea campanulata</i>	CEeHTu-XI-cigos
830	8	<i>Spondias purpurea</i>	EeNTu-BRS-cg
830	8	<i>Swietenia humilis</i>	CeLTu-BMR-
830	8	<i>Syzygium jambos</i>	EeNTUu-SZ-cig
830	8	<i>Tithonia diversifolia</i>	EeDGTu-RS-cig
830	8	<i>Triplochiton scleroxyylon</i>	CEeHTuW-X-c
830	7	<i>Abelmoschus moschatus</i>	EeNTu-AS-cig
830	7	<i>Acacia aneura</i>	EeDLTu-A-g
830	7	<i>Acacia aulacocarpa</i>	EeTu-ASZ-g
830	7	<i>Acacia leucophloea</i>	EeGTu-AS-s
830	7	<i>Acacia mellifera</i>	EeDLT-AX-c
830	7	<i>Acacia sieberiana</i>	EeDTu-AX-os
830	7	<i>Acca sellowiana</i>	EeNTUu-A-cg
830	7	<i>Acer saccharum</i>	CEeGNW-A-c
830	7	<i>Acrocarpus fraxinifolius</i>	CEeHTu-A-cgos
830	7	<i>Acrocomia aculeata</i>	EeGu-AMR-g

TOP	Database count	scientificName	Databases
830	7	<i>Afrocarpus falcatus</i>	CEeLTu-A-gos
830	7	<i>Afzelia quanzensis</i>	CEeLTu-A-s
830	7	<i>Agathis macrophylla</i>	CEeTu-AP-s
830	7	<i>Ailanthus excelsa</i>	EeTu-AIS-cg
830	7	<i>Albizia adianthifolia</i>	CEeTu-AX-
830	7	<i>Albizia chinensis</i>	EeDTu-AS-cgo
830	7	<i>Albizia ferruginea</i>	CeDTuW-A-
830	7	<i>Allanblackia stuhlmannii</i>	eGLTu-AX-
830	7	<i>Allophylus cobbe</i>	CeTu-APZ-cgs
830	7	<i>Alnus glutinosa</i>	CEeGNW-A-cios
830	7	<i>Alnus rubra</i>	CEeGTW-A-cgo
830	7	<i>Altingia excelsa</i>	CEeLTu-A-c
830	7	<i>Annona purpurea</i>	EeNu-ARS-g
830	7	<i>Anogeissus latifolia</i>	CEeDTu-A-
830	7	<i>Antiaris toxicaria</i>	CeTu-AXS-s
830	7	<i>Araucaria bidwillii</i>	CEeGTu-A-cg
830	7	<i>Artocarpus camansi</i>	eGTu-APZ-
830	7	<i>Artocarpus lacucha</i>	EeLNTu-A-c
830	7	<i>Attalea speciosa</i>	EeDGTu-A-g
830	7	<i>Avicennia germinans</i>	EeNu-ABR-c
830	7	<i>Azadirachta excelsa</i>	CLTu-ASZ-c
830	7	<i>Baikiaea plurijuga</i>	CEeLu-AX-s
830	7	<i>Barringtonia racemosa</i>	EeTu-AXS-
830	7	<i>Brachylaena huillensis</i>	CEeTu-AX-s
830	7	<i>Bridelia micrantha</i>	CEeLTu-A-
830	7	<i>Broussonetia papyrifera</i>	EeGTu-AP-cg
830	7	<i>Buchanania cochinchinensis</i>	CEeGu-AS-c
830	7	<i>Butea monosperma</i>	EeTu-AIS-c
830	7	<i>Caesalpinia coriaria</i>	Eeu-ABRS-g
830	7	<i>Caesalpinia sappan</i>	EeGTu-AS-g
830	7	<i>Callitris columellaris</i>	CEeHuW-A-g
830	7	<i>Carissa macrocarpa</i>	EeNUu-AS-cg
830	7	<i>Carissa spinarum</i>	EeNTu-AX-c
830	7	<i>Caryocar nuciferum</i>	CEeGu-AS-
830	7	<i>Caryota urens</i>	CEeGTu-A-cg
830	7	<i>Casimiroa edulis</i>	EeNTu-AS-cg
830	7	<i>Castanospermum australe</i>	CEeGTu-A-g
830	7	<i>Castilla elastica</i>	EeGu-ABR-ci
830	7	<i>Casuarina glauca</i>	EeNTu-AS-cg
830	7	<i>Chrysophyllum albidum</i>	CEeTu-AX-c
830	7	<i>Cinchona pubescens</i>	EeGTu-AS-cig
830	7	<i>Coccoloba uvifera</i>	EeNu-ARS-cg
830	7	<i>Cola nitida</i>	EeLTuY-A-cg
830	7	<i>Combretum aculeatum</i>	EDLTu-AX-
830	7	<i>Commiphora africana</i>	EeLTu-AX-s
830	7	<i>Cordeauxia edulis</i>	EeDGTu-A-
830	7	<i>Cordia africana</i>	CEeLTu-A-cgs
830	7	<i>Corylus avellana</i>	CEeGNY-A-cgos
830	7	<i>Corymbia maculata</i>	CEeHTu-A-cgo
830	7	<i>Coula edulis</i>	CEGTu-AX-
830	7	<i>Crescentia alata</i>	eGu-ABRS-cg
830	7	<i>Crescentia cujete</i>	eGu-ABRS-g
830	7	<i>Cupressus macrocarpa</i>	CEeHuW-A-cg
830	7	<i>Cupressus torulosa</i>	CEeHTu-A-cgs

TOP	Database count	scientificName	Databases
830	7	<i>Dacryodes edulis</i>	EeGTu-AX-cg
830	7	<i>Dendrocalamus giganteus</i>	EeGHu-AS-cg
830	7	<i>Dialium guianense</i>	Ceu-AXBR-
830	7	<i>Dichrostachys cinerea</i>	EeDTu-AX-ci
830	7	<i>Diospyros mespiliformis</i>	CEeTu-AX-cs
830	7	<i>Dodonaea viscosa</i>	EeTu-AXS-c
830	7	<i>Dracontomelon dao</i>	CeTuW-AS-c
830	7	<i>Ekebergia capensis</i>	CEeTu-AX-c
830	7	<i>Elaeagnus angustifolia</i>	CEeGHW-A-cigos
830	7	<i>Entandrophragma utile</i>	CeHTu-AX-cs
830	7	<i>Erythrina berteroana</i>	eNTu-ABR-cg
830	7	<i>Eugenia brasiliensis</i>	EeNTu-AS-cg
830	7	<i>Eugenia uniflora</i>	EeNUu-AS-cig
830	7	<i>Ficus racemosa</i>	eDGu-AIS-c
830	7	<i>Ficus religiosa</i>	eDTu-AIS-cg
830	7	<i>Gnetum gnemon</i>	eGTu-PSZ-
830	7	<i>Guaiacum officinale</i>	CEeHTuW-cg
830	7	<i>Hopea odorata</i>	CEeLTu-Z-cs
830	7	<i>Hyphaene thebaica</i>	EeDGTu-X-cgs
830	7	<i>Juglans olanchana</i>	CeGu-BMR-
830	7	<i>Lagerstroemia speciosa</i>	CEeTu-IZ-cg
830	7	<i>Lansium parasiticum</i>	EeNTu-SZ-cg
830	7	<i>Lawsonia inermis</i>	EeGNTu-S-cg
830	7	<i>Maclura tinctoria</i>	CeuW-BMR-s
830	7	<i>Malpighia glabra</i>	EeNTu-RS-cg
830	7	<i>Manihot esculenta</i>	EeDNUuY-cgz
830	7	<i>Melaleuca quinquenervia</i>	CEeNTu-S-cig
830	7	<i>Melicoccus bijugatus</i>	EeDNu-BR-cg
830	7	<i>Mesua ferrea</i>	CEeDGTu--c
830	7	<i>Metroxylon sagu</i>	EeDGTu-P-cg
830	7	<i>Musanga cecropioides</i>	CEeHTu-X-c
830	7	<i>Nauclea diderrichii</i>	CEeHTu-X-
830	7	<i>Parkinsonia aculeata</i>	EeGHTu-R-cg
830	7	<i>Pentaclethra macrophylla</i>	CEeGTu-X-
830	7	<i>Pinus elliottii</i>	CeGHNuW--cos
830	7	<i>Pinus radiata</i>	CEeGHuW--cgos
830	7	<i>Pinus strobus</i>	CEeHNW-M-co
830	7	<i>Pistacia vera</i>	EeGNUWY--cgos
830	7	<i>Pouteria campechiana</i>	EeNTu-BS-cg
830	7	<i>Prunus africana</i>	CEeLTu-X-s
830	7	<i>Psidium friedrichsthalianum</i>	EeNu-BRS-cg
830	7	<i>Pterocarpus macrocarpus</i>	CEeLuW-Z-g
830	7	<i>Rhizophora mucronata</i>	EeNTu-PS-cgs
830	7	<i>Ricinodendron heudelotii</i>	CEeGTu-X-
830	7	<i>Robinia pseudoacacia</i>	CEeGNTW--cigos
830	7	<i>Sandoricum koetjape</i>	CeNTu-SZ-cg
830	7	<i>Schefflera morototoni</i>	CEHTu-AR-c
830	7	<i>Schinus molle</i>	CEeHTu--cgs
830	7	<i>Schleichera oleosa</i>	EeDGLu-S-cs
830	7	<i>Sesbania bispinosa</i>	EeDHNTu--g
830	7	<i>Shorea robusta</i>	EeDHTu-I-cs
830	7	<i>Solanum betaceum</i>	EeNTu-AS-cg
830	7	<i>Syzygium malaccense</i>	EeNTu-PZ-cg
830	7	<i>Taxus baccata</i>	CEeGT-XZ-cgos

TOP	Database count	scientificName	Databases
830	7	<i>Tephrosia purpurea</i>	EeDNTu-S-c
830	7	<i>Tephrosia vogelii</i>	EeGTu-SZ-cgo
830	7	<i>Terminalia amazonia</i>	CeHuW-BR-cs
830	7	<i>Terminalia chebula</i>	CEeLu-IS-cs
830	7	<i>Terminalia ivorensis</i>	CEeHTuW-cg
830	7	<i>Terminalia superba</i>	CEeHTuW-gos
830	7	<i>Tipuana tipu</i>	CEeDLTu--cg
830	7	<i>Toona sureni</i>	CeLTu-AZ-s
830	7	<i>Vernicia fordii</i>	EeDGNuY--cg
830	7	<i>Vernicia montana</i>	EeGNU-AZ-cg
830	7	<i>Xylia xylocarpa</i>	CEeLu-AZ-cs
830	6	<i>Abies balsamea</i>	CEeNW-A-co
830	6	<i>Acacia decurrens</i>	CEeHu-A-cgs
830	6	<i>Acacia polyacantha</i>	EeT-AXZ-
830	6	<i>Acacia xanthophloea + Vachellia xanthophloea</i>	eLTu-AX-
830	6	<i>Aesculus hippocastanum</i>	CEeNW-A-cgo
830	6	<i>Agathis australis</i>	CEeGW-A-
830	6	<i>Ailanthes triphysa</i>	CeTu-AS-
830	6	<i>Albizia amara</i>	EDTu-AX-c
830	6	<i>Albizia gummifera</i>	CeTu-AX-go
830	6	<i>Albizia julibrissin</i>	eGTuW-A-cis
830	6	<i>Albizia odoratissima</i>	EeTu-AS-gs
830	6	<i>Alphitonia zizyphoides</i>	CeTu-AP-s
830	6	<i>Alstonia boonei</i>	CeTu-AX-
830	6	<i>Alstonia congensis</i>	CeTu-AX-
830	6	<i>Anisoptera costata</i>	CeLu-AZ-
830	6	<i>Annona senegalensis</i>	ENTu-AX-cs
830	6	<i>Anogeissus leiocarpa</i>	eDLu-AX-s
830	6	<i>Aquilaria crassna</i>	eLu-ASZ-
830	6	<i>Araucaria araucana</i>	CeGW-AM-cg
830	6	<i>Araucaria hunsteinii</i>	CEeHu-A-c
830	6	<i>Artemisia annua</i>	EeNT-AS-cg
830	6	<i>Artocarpus mariannensis</i>	eGTu-AP-
830	6	<i>Aspidosperma polyneuron</i>	CeuW-AM-
830	6	<i>Avicennia marina</i>	ELNu-AX-cs
830	6	<i>Azanza garckeana</i>	ELTu-AX-
830	6	<i>Baphia nitida</i>	CEeu-AS-g
830	6	<i>Barringtonia procera</i>	eGTu-AP-
830	6	<i>Bauhinia petersiana</i>	EeGu-AX-
830	6	<i>Bauhinia thonningii</i>	EDGTu-X-
830	6	<i>Bauhinia variegata</i>	EeDTu-A-cs
830	6	<i>Bischofia javanica</i>	CeLTu-A-cg
830	6	<i>Boscia angustifolia</i>	EDTu-AX-
830	6	<i>Boswellia serrata</i>	EeLTu-A-c
830	6	<i>Brachystegia spiciformis</i>	CEeTu-A-s
830	6	<i>Brosimum guianense</i>	CeuW-AR-
830	6	<i>Burkea africana</i>	CEeu-AX-s
830	6	<i>Cadaba farinosa</i>	eDTu-AX-
830	6	<i>Caesalpinia spinosa</i>	eDTu-AM-gs
830	6	<i>Campnosperma brevipetiolatum</i>	CEeHu-A-
830	6	<i>Canarium schweinfurtii</i>	CeGTu-A-g
830	6	<i>Capparis decidua</i>	EeTu-AX-c
830	6	<i>Caryocar villosum</i>	CeGu-AM-

TOP	Database count	scientificName	Databases
830	6	<i>Cassia javanica</i>	CeTu-AS-c
830	6	<i>Castanea crenata</i>	CEeGU-A-cg
830	6	<i>Castanea dentata</i>	CEeGW-A-cg
830	6	<i>Casuarina oligodon</i>	EGTu-AS-c
830	6	<i>Cedrus deodara</i>	CEeHT-A-cgos
830	6	<i>Ceriops tagal</i>	CENu-AS-
830	6	<i>Chamaedorea tepejilote</i>	Eeu-ABR-
830	6	<i>Chrysobalanus icaco</i>	eGu-ARS-cig
830	6	<i>Cinnamomum cassia</i>	eNUu-AZ-g
830	6	<i>Citrus hystrix</i>	eu-APSZ-cg
830	6	<i>Clausena lansium</i>	EeNu-AS-cg
830	6	<i>Cnidoscolus aconitifolius</i>	EeGu-AR-g
830	6	<i>Coffea canephora</i>	EeuY-AZ-cg
830	6	<i>Coffea liberica</i>	EeuY-AS-c
830	6	<i>Cola acuminata</i>	EeNuY-A-cg
830	6	<i>Combretum micranthum</i>	EeLu-AX-
830	6	<i>Cordia dichotoma</i>	CeTu-AS-cg
830	6	<i>Couma macrocarpa</i>	CeGu-AR-
830	6	<i>Crotalaria micans</i>	eDTu-AS-cg
830	6	<i>Croton tiglium</i>	eGNu-AS-cg
830	6	<i>Cryptomeria japonica</i>	CEeHT-A-cgos
830	6	<i>Cydonia oblonga</i>	EeNUY-A-cg
830	6	<i>Cytisus proliferus</i>	EeDGT-A-
830	6	<i>Dalbergia nigra</i>	CeHu-AM-
830	6	<i>Dalbergia retusa</i>	Ceu-ABR-
830	6	<i>Dendrocalamus asper</i>	EeGu-AS-g
830	6	<i>Desmodium oojeinense</i>	CeLTu-A-
830	6	<i>Diospyros celebica</i>	CeLuW-A-
830	6	<i>Diospyros discolor</i>	CeNu-AS-cg
830	6	<i>Diospyros ebenum</i>	CeTuW-A-cg
830	6	<i>Diospyros malabarica</i>	EeLuW-A-c
830	6	<i>Diospyros melanoxylon</i>	CEeTu-A-c
830	6	<i>Diospyros nigra</i>	EeNu-AS-g
830	6	<i>Dipterocarpus grandiflorus</i>	CeGTu-A-c
830	6	<i>Dipterocarpus retusus</i>	CEeLu-A-
830	6	<i>Dovyalis hebecarpa</i>	EeNu-AS-cg
830	6	<i>Elaeagnus rhamnoides</i>	EeGNT-A-cgs
830	6	<i>Endiandra palmerstonii</i>	CEeuW-A-
830	6	<i>Erythrina abyssinica</i>	EeTu-AX-c
830	6	<i>Erythrina caffra</i>	EeTu-AX-
830	6	<i>Erythrina edulis</i>	EeGTu-A-
830	6	<i>Erythrophleum chlorostachys</i>	EeDHu-A-
830	6	<i>Eucalyptus cloeziana</i>	CEeHu-A-cgos
830	6	<i>Eucalyptus gomphocephala</i>	EeGHN-A-cgo
830	6	<i>Eucalyptus melliodora</i>	CEeHW-A-cg
830	6	<i>Eucalyptus microtheca</i>	EeGNu-A-g
830	6	<i>Eucalyptus obliqua</i>	CEeuW-A-cg
830	6	<i>Eucalyptus regnans</i>	CEeHW-A-cg
830	6	<i>Eucalyptus viminalis</i>	EeHNu-A-c
830	6	<i>Eugenia stipitata</i>	EeNTu-A-cg
830	6	<i>Eurycoma longifolia</i>	Eeu-ASZ-
830	6	<i>Eusideroxylon zwageri</i>	CEeu-AZ-c
830	6	<i>Euterpe oleracea</i>	Eeu-AMS-
830	6	<i>Excoecaria agallocha</i>	CEeu-AS-c

TOP	Database count	scientificName	Databases
830	6	<i>Fagraea fragrans</i>	CEeLu-A-c
830	6	<i>Fagus grandifolia</i>	CEeNW-A-cos
830	6	<i>Fagus sylvatica</i>	CEeNW-A-cgos
830	6	<i>Ficus auriculata</i>	EeDu-AS-cg
830	6	<i>Ficus subcordata</i>	EeTu-AS-
830	6	<i>Ficus sycomorus</i>	EeTu-AX-c
830	6	<i>Firmiana simplex</i>	EeGTu-A-cg
830	6	<i>Flindersia brayleyana</i>	CEeuW-A-cg
830	6	<i>Fraxinus excelsior</i>	CEeTW-A-cos
830	6	<i>Funtumia africana</i>	CeTu-AX-g
830	6	<i>Grewia asiatica</i>	EeNTu-S-cg
830	6	<i>Guaiacum sanctum</i>	CEeu-BR-
830	6	<i>Haematoxylum campechianum</i>	CeTu-BS-cig
830	6	<i>Handroanthus serratifolius</i>	CEeTu-M-cg
830	6	<i>Harungana madagascariensis</i>	CEeTu-X-gos
830	6	<i>Hibiscus tilliaceus</i>	CEeG-PS-c
830	6	<i>Ilex paraguariensis</i>	EeNu-MS-gz
830	6	<i>Illicium verum</i>	eLTu-SZ-c
830	6	<i>Irvingia gabonensis</i>	CEeGTu--cs
830	6	<i>Jacaranda mimosifolia</i>	CEeHTu--cgo
830	6	<i>Juglans cinerea</i>	CeGNUW--cg
830	6	<i>Juniperus procera</i>	CEeTu-X-cgs
830	6	<i>Khaya anthotheca</i>	CEeLu-X-s
830	6	<i>Laurus nobilis</i>	EeNUu-S-cgos
830	6	<i>Lysiloma latisiliquum</i>	CeHu-BR-g
830	6	<i>Mallotus philippensis</i>	EeNTu-S-g
830	6	<i>Mangifera foetida</i>	CeTu-SZ-c
830	6	<i>Markhamia lutea</i>	EeLTu-X-cgo
830	6	<i>Melaleuca cajuputi</i>	EeLu-SZ-
830	6	<i>Morinda citrifolia</i>	EeTu-PS-cg
830	6	<i>Neolamarckia cadamba</i>	CeLTu-I-c
830	6	<i>Nypa fruticans</i>	EeGu-SZ-cig
830	6	<i>Ocotea usambarensis</i>	CEeTu-X-s
830	6	<i>Oenocarpus bataua</i>	CEeDGu--c
830	6	<i>Olea capensis</i>	CEeTu-X-
830	6	<i>Opuntia ficus-indica</i>	EeDGTu--cig
830	6	<i>Palaquium gutta</i>	CEeGu-S-cg
830	6	<i>Paullinia cupana</i>	EeNTu-S-c
830	6	<i>Paulownia tomentosa</i>	CEeHTW--ci
830	6	<i>Pentaclethra macroloba</i>	CLTu-BR-
830	6	<i>Pericopsis elata</i>	CEeHuW--s
830	6	<i>Phyllanthus acidus</i>	eNTu-SZ-cg
830	6	<i>Pinus edulis</i>	CeGNUW--c
830	6	<i>Pinus palustris</i>	CEeGW-I-cg
830	6	<i>Prosopis nigra</i>	CEeuW-M-s
830	6	<i>Prosopis pallida</i>	EeGNu-M-cg
830	6	<i>Prunus avium</i>	CEeNUW--cgos
830	6	<i>Prunus domestica</i>	EeNUW-S-cg
830	6	<i>Prunus serotina</i>	CEeNuW--cs
830	6	<i>Psidium cattleianum</i>	EeNUu-S-cigs
830	6	<i>Pterocarpus dalbergioides</i>	CEeHuW--gs
830	6	<i>Pycnanthus angolensis</i>	CEeTu-X-
830	6	<i>Salvadora persica</i>	EeDGTu--s
830	6	<i>Sapindus saponaria</i>	eGu-BRZ-gs

TOP	Database count	scientificName	Databases
830	6	<i>Schima wallichii</i>	CEeLTu--cs
830	6	<i>Spondias dulcis</i>	EeNu-SZ-cg
830	6	<i>Strychnos cocculoides</i>	EeNTu-X-s
830	6	<i>Sympmania globulifera</i>	Ceu-XBR-
830	6	<i>Tarchonanthus camphoratus</i>	EeDTu-X-
830	6	<i>Tecoma stans</i>	EeHTu-R-cig
830	6	<i>Terminalia brownii</i>	EDLTu-X-
830	6	<i>Trichanthera gigantea</i>	EeDFGu-R-
830	6	<i>Vasconcellea pubescens</i>	EeNu-AS-g
830	6	<i>Vitex parviflora</i>	CEeTu-Z-cg
830	6	<i>Vochysia guatemalensis</i>	CLTu-BR-s
830	6	<i>Warburgia ugandensis</i>	CEeTu-X-
830	5	<i>Abies amabilis</i>	CEeW-A-cos
830	5	<i>Abies concolor</i>	CEeW-A-cg
830	5	<i>Abies guatemalensis</i>	Ceu-AB-
830	5	<i>Abroma augusta</i>	EeGu-A-g
830	5	<i>Acacia cambagei</i>	EeuW-A-
830	5	<i>Acacia cyclops</i>	EeHN-A-cg
830	5	<i>Acacia difficilis</i>	Eeu-AZ-
830	5	<i>Acacia victoriae</i>	EeGu-A-g
830	5	<i>Acer campestre</i>	CEeW-A-cos
830	5	<i>Acer saccharinum</i>	CeGW-A-cg
830	5	<i>Acokanthera schimperi</i>	Eeu-AX-c
830	5	<i>Afzelia rhomboidea</i>	Ceu-AS-
830	5	<i>Afzelia xylocarpa</i>	CeLu-Z-c
830	5	<i>Agathis philippinensis</i>	CeTu-A-
830	5	<i>Agathis robusta</i>	CEeu-A-g
830	5	<i>Albizia carbonaria</i>	eu-ARS-c
830	5	<i>Albizia niopoides</i>	eu-ABR-g
830	5	<i>Albizia versicolor</i>	CeTu-A-cs
830	5	<i>Albizia zygia</i>	CeTu-A-c
830	5	<i>Allanblackia floribunda</i>	eGTu-A-
830	5	<i>Alnus japonica</i>	EeTu-A-cg
830	5	<i>Aloe ferox</i>	Eeu-AS-cg
830	5	<i>Alstonia angustiloba</i>	Ceu-AS-
830	5	<i>Alstonia macrophylla</i>	Ceu-AS-g
830	5	<i>Alstonia spatulata</i>	Ceu-AS-
830	5	<i>Alstonia spectabilis</i>	eHu-AS-
830	5	<i>Amburana cearensis</i>	Ceu-AM-
830	5	<i>Amphimas pterocarpoides</i>	CeuW-A-
830	5	<i>Aniba rosaedora</i>	Ceu-AM-cs
830	5	<i>Annona macrophyllata</i>	EeNu-A-cg
830	5	<i>Annona montana</i>	Eeu-AS-cg
830	5	<i>Anogeissus acuminata</i>	CEeu-A-
830	5	<i>Apuleia leiocarpa</i>	CeuW-A-
830	5	<i>Arbutus unedo</i>	CEeT-A-cgos
830	5	<i>Artocarpus chama</i>	CEeu-A-
830	5	<i>Artocarpus hirsutus</i>	CEeu-A-cg
830	5	<i>Artocarpus odoratissimus</i>	eu-ASZ-cg
830	5	<i>Asimina triloba</i>	EeNT-A-cg
830	5	<i>Astrocaryum vulgare</i>	EeGu-A-
830	5	<i>Astronium urundeuva</i>	Ceu-AM-
830	5	<i>Attalea cohune</i>	EeDu-A-g
830	5	<i>Attalea funifera</i>	EeGu-A-

TOP	Database count	scientificName	Databases
830	5	<i>Baccaurea motleyana</i>	EeNu-A-c
830	5	<i>Baccaurea racemosa</i>	Eeu-AZ-c
830	5	<i>Baccaurea ramiflora</i>	Eeu-AZ-c
830	5	<i>Baillonella toxisperma</i>	CeuW-A-
830	5	<i>Balfourodendron riedelianum</i>	Ceu-AM-
830	5	<i>Barringtonia acutangula</i>	Ceu-AS-
830	5	<i>Barringtonia asiatica</i>	eu-AIS-cg
830	5	<i>Bauhinia rufescens</i>	ETu-AX-gs
830	5	<i>Bauhinia tomentosa</i>	EeTu-A-cg
830	5	<i>Berchemia discolor</i>	ETu-AX-
830	5	<i>Betula lenta</i>	CeNW-A-c
830	5	<i>Betula pendula</i>	CEeW-A-cgos
830	5	<i>Blumea balsamifera</i>	Eeu-AS-g
830	5	<i>Bobgunnia madagascariensis</i>	CeW-AX-
830	5	<i>Boscia senegalensis</i>	eTu-AX-c
830	5	<i>Bouea macrophylla</i>	eu-ASZ-c
830	5	<i>Bowdichia virgilioides</i>	Ceu-AM-
830	5	<i>Brachychiton populneus</i>	EeHu-A-g
830	5	<i>Brosimum parinarioides</i>	CeGu-A-
830	5	<i>Brosimum rubescens</i>	CeuW-A-
830	5	<i>Brosimum utile</i>	CeGu-A-
830	5	<i>Bulnesia sarmientoi</i>	CeuW-A-c
830	5	<i>Buxus sempervirens</i>	CEeW-A-cgs
830	5	<i>Caesalpinia pulcherrima</i>	eu-ARS-cg
830	5	<i>Callitris endlicheri</i>	CEeu-A-cg
830	5	<i>Calodendrum capense</i>	ETu-AX-c
830	5	<i>Canarium album</i>	eu-ASZ-
830	5	<i>Canarium luzonicum</i>	CeGu-A-
830	5	<i>Capparis tomentosa</i>	EeTu-A-
830	5	<i>Caragana arborescens</i>	EeGN-A-cg
830	5	<i>Carapa procera</i>	CLu-AX-c
830	5	<i>Cariniana legalis</i>	Ceu-AM-
830	5	<i>Cariniana pyriformis</i>	CEHu-A-
830	5	<i>Carissa carandas</i>	Eeu-AS-c
830	5	<i>Carpinus betulus</i>	CEeW-A-cgos
830	5	<i>Carya laciniosa</i>	CeGW-A-
830	5	<i>Carya ovata</i>	CeGW-A-c
830	5	<i>Caryocar brasiliense</i>	eGu-AM-
830	5	<i>Caryodendron orinocense</i>	EeGu-A-
830	5	<i>Cassia sieberiana</i>	EDu-AX-c
830	5	<i>Castanea mollissima</i>	EeGU-A-cg
830	5	<i>Castanopsis javanica</i>	CGu-AZ-c
830	5	<i>Cecropia peltata</i>	Ceu-AR-cigs
830	5	<i>Cedrela fissilis</i>	Ceu-AM-cs
830	5	<i>Cedrelinga cateniformis</i>	Ceu-AM-s
830	5	<i>Celtis australis</i>	EeDT-A-cos
830	5	<i>Cerbera odollam</i>	Ceu-AS-
830	5	<i>Cereus repandus</i>	eGNu-A-cg
830	5	<i>Chlorocardium rodiei</i>	CeuW-A-c
830	5	<i>Chloroxylon swietenia</i>	CEeu-A-c
830	5	<i>Cinchona officinalis</i>	EGu-AS-cg
830	5	<i>Cinnamomum burmanni</i>	Eeu-AZ-cg
830	5	<i>Citrus japonica</i>	EeNu-A-c
830	5	<i>Clausena anisata</i>	eu-AXS-cg

TOP	Database count	scientificName	Databases
830	5	<i>Cleistopholis glauca</i>	CEHu-A-
830	5	<i>Cojoba arborea</i>	Cu-ABR-
830	5	<i>Colubrina arborescens</i>	HTu-AR-
830	5	<i>Combretum molle</i>	ETu-AX-
830	5	<i>Copaifera multijuga</i>	CeGu-A-
830	5	<i>Copaifera officinalis</i>	CeGu-A-c
830	5	<i>Cordia collococca</i>	Ceu-AB-c
830	5	<i>Cordia dodecandra</i>	Ceu-AB-
830	5	<i>Cordia gerascanthus</i>	Cu-ABR-
830	5	<i>Cordia megalantha</i>	uW-ABR-
830	5	<i>Cordia millenii</i>	Ceu-AX-
830	5	<i>Cordia subcordata</i>	Ceu-AP-gs
830	5	<i>Cordyline fruticosa</i>	eDNu-A-cg
830	5	<i>Cornus florida</i>	CeNW-A-cg
830	5	<i>Corymbia papuana</i>	CEeu-A-
830	5	<i>Corymbia torelliana</i>	Eeu-AZ-cg
830	5	<i>Cotylelobium burckii</i>	CEeu-A-
830	5	<i>Cotylelobium lanceolatum</i>	CEeu-A-
830	5	<i>Cotylelobium melanoxylon</i>	CEeu-A-
830	5	<i>Couroupita guianensis</i>	Ceu-Al-g
830	5	<i>Crateva religiosa</i>	eUu-AS-cg
830	5	<i>Cratylia argentea</i>	EeDF-AR-
830	5	<i>Crotalaria trichotoma</i>	eTu-AS-g
830	5	<i>Croton megalocarpus</i>	CeTu-A-o
830	5	<i>Cupressus sempervirens</i>	CEeu-A-cgos
830	5	<i>Cynometra cauliflora</i>	Eeu-AS-g
830	5	<i>Dacrycarpus imbricatus</i>	CeLu-A-s
830	5	<i>Dactyladenia barteri</i>	eTu-AS-
830	5	<i>Dalbergia cearensis</i>	CeuW-A-
830	5	<i>Dalbergia cochinchinensis</i>	CeLu-A-s
830	5	<i>Daniellia ogea</i>	CeGu-A-
830	5	<i>Daniellia oliveri</i>	eGu-AX-s
830	5	<i>Derris elliptica</i>	EeT-AS-cg
830	5	<i>Derris trifoliata</i>	eTu-AS-g
830	5	<i>Detarium microcarpum</i>	eLu-AX-s
830	5	<i>Detarium senegalense</i>	Ceu-AX-
830	5	<i>Dialium cochinchinense</i>	CeLu-A-
830	5	<i>Dialium guineense</i>	EeTu-A-s
830	5	<i>Dillenia indica</i>	CEeu-A-cg
830	5	<i>Dillenia philippinensis</i>	Ceu-AZ-
830	5	<i>Diospyros crassiflora</i>	CeuW-A-s
830	5	<i>Dipterocarpus gracilis</i>	EeGu-A-
830	5	<i>Dipterocarpus kerrii</i>	CeGu-A-
830	5	<i>Dipteryx oleifera</i>	Ceu-AB-
830	5	<i>Distemonanthus benthamianus</i>	CeuW-A-
830	5	<i>Dobera glabra</i>	ETu-AX-
830	5	<i>Duboisia myoporoides</i>	EeGu-A-g
830	5	<i>Dysoxylum fraserianum</i>	CEeu-A-
830	5	<i>Elaeis oleifera</i>	EeGu-A-
830	5	<i>Endospermum diadenum</i>	CeTu-A-c
830	5	<i>Endospermum medullosum</i>	Ceu-AP-c
830	5	<i>Entada abyssinica</i>	ETu-AX-g
830	5	<i>Entada africana</i>	ETu-AX-
830	5	<i>Entandrophragma angolense</i>	Ceu-AX-

TOP	Database count	scientificName	Databases
830	5	<i>Entandrophragma cylindricum</i>	Ceu-AX-cs
830	5	<i>Erythrina subumbrans</i>	eGu-AS-cg
830	5	<i>Erythrophleum suaveolens</i>	Ceu-AX-
830	5	<i>Eucalyptus crebra</i>	EeHu-A-g
830	5	<i>Eucalyptus delegatensis</i>	CEeH-A-c
830	5	<i>Eucalyptus diversicolor</i>	CEeW-A-cg
830	5	<i>Eucalyptus marginata</i>	CEeW-A-cg
830	5	<i>Eucalyptus microcorys</i>	EeHu-A-cgo
830	5	<i>Eucalyptus nitens</i>	CEeT-A-cgos
830	5	<i>Eucalyptus paniculata</i>	CEeH-A-cg
830	5	<i>Eucalyptus pellita</i>	ETu-AZ-cs
830	5	<i>Eucalyptus pilularis</i>	CEeu-A-cgs
830	5	<i>Eucalyptus resinifera</i>	CEeu-A-cg
830	5	<i>Euonymus japonicus</i>	EeTu-A-cg
830	5	<i>Euphorbia abyssinica</i>	eGu-AX-c
830	5	<i>Euphorbia neriiifolia</i>	eGu-AS-g
830	5	<i>Euterpe edulis</i>	Eeu-AM-cg
830	5	<i>Euterpe precatoria</i>	eu-AMR-
830	5	<i>Faurea saligna</i>	ETu-AX-s
830	5	<i>Ficus deltoidea</i>	eu-ASZ-
830	5	<i>Ficus insipida</i>	Ceu-AR-
830	5	<i>Ficus lutea</i>	Eeu-AX-
830	5	<i>Ficus thonningii</i>	EeTu-A-
830	5	<i>Fleroya ledermannii</i>	CeuW-A-
830	5	<i>Fleroya stipulosa</i>	Ceu-AX-
830	5	<i>Flindersia pimenteliana</i>	CEeu-A-
830	5	<i>Flueggea flexuosa</i>	eTu-AP-gs
830	5	<i>Fraxinus americana</i>	CeNW-A-cgo
830	5	<i>Garcinia hanburyi</i>	eGTu-S-
830	5	<i>Garcinia livingstonei</i>	eNTu-X-cg
830	5	<i>Ginkgo biloba</i>	eGNTU--cg
830	5	<i>Gonystylus bancanus</i>	CeLTu--c
830	5	<i>Grewia damine</i>	EDTu-X-
830	5	<i>Guarea guidonia</i>	Ceu-BR-
830	5	<i>Guibourtia copallifera</i>	eGu-AX-
830	5	<i>Haldina cordifolia</i>	CEeLu--cs
830	5	<i>Handroanthus chrysanthus</i>	eu-BMR-s
830	5	<i>Hura crepitans</i>	Ceu-BR-cg
830	5	<i>Ilex mitis</i>	CTuW-X-
830	5	<i>Inocarpus fagifer</i>	eGu-PS-cg
830	5	<i>Iriartea deltoidea</i>	eu-BMR-
830	5	<i>Jacaranda copaia</i>	CEHu-R-
830	5	<i>Juglans neotropica</i>	CeGu-M-cgs
830	5	<i>Juglans nigra</i>	CEeGU--cgo
830	5	<i>Khaya ivorensis</i>	CeHTu--c
830	5	<i>Laguncularia racemosa</i>	ENu-BR-cg
830	5	<i>Lecythis pisonis</i>	eDGu-M-
830	5	<i>Leucaena collinsii</i>	EFTu-B-
830	5	<i>Leucaena trichandra</i>	EFTu-B-
830	5	<i>Licania platypus</i>	CNu-BR-g
830	5	<i>Lophira alata</i>	CeuW-X-s
830	5	<i>Lovoa swynnertonii</i>	CeTu-X-
830	5	<i>Macadamia tetraphylla</i>	EeTUu--cg
830	5	<i>Magnolia champaca</i>	CEeu-A-cgs

TOP	Database count	scientificName	Databases
830	5	<i>Mangifera altissima</i>	Ceu-SZ-
830	5	<i>Manihot carthagenensis</i>	eDGTu--cg
830	5	<i>Manilkara bidentata</i>	CeGuW--
830	5	<i>Manilkara kauki</i>	CeLu-Z-cg
830	5	<i>Mauritia flexuosa</i>	EeGu-M-
830	5	<i>Melaleuca alternifolia</i>	eGTu-S-g
830	5	<i>Melaleuca leucadendra</i>	CeHu-Z-gos
830	5	<i>Melia volkensii</i>	ELTu-X-c
830	5	<i>Mimosa pigra</i>	EeTu-R-cig
830	5	<i>Mimosa scabrella</i>	EeNTu--o
830	5	<i>Minquartia guianensis</i>	Ceu-BR-
830	5	<i>Mora excelsa</i>	CeuW-A-
830	5	<i>Nauclea orientalis</i>	CEeTu--cg
830	5	<i>Neobalanocarpus heimii</i>	CeLTu--c
830	5	<i>Newtonia buchananii</i>	CGTu-X-
830	5	<i>Nothofagus cunninghamii</i>	CEeW-A-cg
830	5	<i>Ocotea porosa</i>	CeuW-M-s
830	5	<i>Octomeles sumatrana</i>	CEHLu--c
830	5	<i>Pangium edule</i>	EeUu-S-g
830	5	<i>Paraserianthes lophantha</i>	Eeu-AS-g
830	5	<i>Parkia speciosa</i>	EeTu-Z-c
830	5	<i>Peltophorum africanum</i>	EeTu-X-g
830	5	<i>Pericopsis mooniana</i>	CEeu-Z-
830	5	<i>Phoenix reclinata</i>	EeTu-X-cg
830	5	<i>Phoenix sylvestris</i>	EeDu-I-cg
830	5	<i>Pinus ayacahuite</i>	CEeHu--c
830	5	<i>Pinus montezumae</i>	CEeHu--cs
830	5	<i>Pinus pinaster</i>	CEeGH--cios
830	5	<i>Pinus ponderosa</i>	CEeGW--cos
830	5	<i>Pinus pseudostrobus</i>	CEeH-M-cs
830	5	<i>Pinus roxburghii</i>	EeGH-I-cgs
830	5	<i>Pinus sylvestris</i>	CEeGW--cos
830	5	<i>Pinus taeda</i>	CEeGW--cgos
830	5	<i>Pinus tecunumanii</i>	eHu-BM-cs
830	5	<i>Piper methysticum</i>	EeTu-S-c
830	5	<i>Pittosporum resiniferum</i>	EeNTu--
830	5	<i>Platymiscium pinnatum</i>	Ceu-BR-
830	5	<i>Populus euphratica</i>	EeGT-X-cgs
830	5	<i>Pouteria alnifolia</i>	Ceu-AX-
830	5	<i>Prioria copaifera</i>	Ceu-BR-s
830	5	<i>Prosopis glandulosa</i>	EeGTW--cig
830	5	<i>Prunus cerasoides</i>	eHu-AS-c
830	5	<i>Prunus persica</i>	EeNUY--cs
830	5	<i>Pterocarpus erinaceus</i>	CEeTu--s
830	5	<i>Pterocarpus lucens</i>	ELTu-X-
830	5	<i>Pterocarpus marsupium</i>	CEeLu--cs
830	5	<i>Pterocarpus officinalis</i>	Ceu-BR-
830	5	<i>Pterocarpus santalinus</i>	CEeu-I-
830	5	<i>Pterocarpus soyauxii</i>	CeTuW--s
830	5	<i>Pterogyne nitens</i>	CeTuW--
830	5	<i>Pyrus pyrifolia</i>	EeUu-S-c
830	5	<i>Quassia amara</i>	eu-BRS-g
830	5	<i>Quercus alba</i>	CEeNW--c
830	5	<i>Quercus virginiana</i>	CEeDW--c

TOP	Database count	scientificName	Databases
830	5	<i>Rauvolfia caffra</i>	EeTu-X-cg
830	5	<i>Rauvolfia serpentina</i>	EeNu-S-g
830	5	<i>Rollinia mucosa</i>	eNu-AS-cg
830	5	<i>Santalum spicatum</i>	EeTu-S-
830	5	<i>Senna alata</i>	Eeu-AS-cg
830	5	<i>Senna auriculata</i>	EeGu-S-g
830	5	<i>Senna septemtrionalis</i>	eDu-AS-cg
830	5	<i>Senna spectabilis</i>	EeTu-R-cos
830	5	<i>Sesbania rostrata</i>	EFTu-S-c
830	5	<i>Shirakiopsis elliptica</i>	CETu-X-
830	5	<i>Sterculia apetala</i>	Ceu-BR-cg
830	5	<i>Strychnos spinosa</i>	EeTu-X-
830	5	<i>Styrax tonkinensis</i>	eLTu-Z-
830	5	<i>Syzygium aqueum</i>	eNu-SZ-cg
830	5	<i>Syzygium samarangense</i>	eNTu-Z-cg
830	5	<i>Tamarix aphylla</i>	EeHTu--cig
830	5	<i>Taxodium distichum</i>	CEeHW--co
830	5	<i>Telfairia pedata</i>	EeGTu--g
830	5	<i>Tephrosia candida</i>	EeTu-S-cgo
830	5	<i>Terminalia brassii</i>	CEeHu--
830	5	<i>Tetrapleura tetrapтера</i>	CETu-X-c
830	5	<i>Theobroma grandiflorum</i>	EeGNu--c
830	5	<i>Thuja occidentalis</i>	CEeNW--cgos
830	5	<i>Treculia africana</i>	eGTu-X-
830	5	<i>Trichilia emetica</i>	eGLTu--
830	5	<i>Ulmus rubra</i>	CeGNW--c
830	5	<i>Vangueria madagascariensis</i>	EeTu-S-g
830	5	<i>Virola koschnyi</i>	Ceu-BR-
830	5	<i>Vitex cofassus</i>	CeLTu--s
830	5	<i>Vitex doniana</i>	CEeTu--g
830	5	<i>Vitex negundo</i>	EeTu-S-c
830	5	<i>Warburgia salutaris</i>	EeTu-X-s
830	5	<i>Wrightia arborea</i>	CEu-SZ-c
830	5	<i>Xylopia aethiopica</i>	eNTu-X-s
830	5	<i>Yucca gigantea</i>	EeGu-R-cg
830	5	<i>Zanthoxylum rhetsa</i>	Ceu-SZ-s

Entries in the Databases column are blank after the second or third hyphen in instances when a species is not listed in any of the relevant databases

Appendix 7. Taxonomic information from World Flora Online

Names of columns correspond to names of fields in the World Flora Online. Species are sorted by listing ('top-100' prioritized species and then 'top-830' prioritized species) alphabetically.

TOP	scientificName	taxonID	scientificNameAuthors hip	Family
100	<i>Acacia auriculiformis</i>	wfo-0000173754	Benth.	Fabaceae
100	<i>Acacia catechu</i>	wfo-0000186808	(L.f.) Willd.	Fabaceae
100	<i>Acacia mangium</i>	wfo-0000202567	Willd.	Fabaceae
100	<i>Acacia mearnsii</i>	wfo-0000203882	De Wild.	Fabaceae
100	<i>Acacia nilotica</i>	wfo-0000205536	(L.) Delile	Fabaceae
100	<i>Acacia senegal</i>	wfo-0000210855	(L.) Willd.	Fabaceae
100	<i>Acacia seyal</i>	wfo-0000210994	Delile	Fabaceae
100	<i>Acacia tortilis</i>	wfo-0000211235	(Forssk.) Hayne	Fabaceae
100	<i>Adansonia digitata</i>	wfo-0000519672	L.	Malvaceae
100	<i>Albizia lebbeck</i>	wfo-0000184271	(L.) Benth.	Fabaceae
100	<i>Albizia procera</i>	wfo-0000186098	(Roxb.) Benth.	Fabaceae
100	<i>Albizia saman</i>	wfo-0000185958	(Jacq.) Merr.	Fabaceae
100	<i>Aleurites moluccanus</i>	wfo-0000940858	(L.) Willd.	Euphorbiaceae
100	<i>Alnus acuminata</i>	wfo-0000944034	Kunth	Betulaceae
100	<i>Alnus nepalensis</i>	wfo-0000946943	D.Don	Betulaceae
100	<i>Anacardium occidentale</i>	wfo-0000533072	L.	Anacardiaceae
100	<i>Andira inermis</i>	wfo-0000171592	(Wright) DC.	Fabaceae
100	<i>Annona cherimola</i>	wfo-0000537707	Mill.	Annonaceae
100	<i>Annona muricata</i>	wfo-0000537848	L.	Annonaceae
100	<i>Areca catechu</i>	wfo-0000262000	L.	Arecaceae
100	<i>Artocarpus altilis</i>	wfo-0000550425	(Parkinson ex F.A.Zorn) Fosberg	Moraceae
100	<i>Artocarpus heterophyllus</i>	wfo-0000550491	Lam.	Moraceae
100	<i>Azadirachta indica</i>	wfo-0000557668	A.Juss.	Meliaceae
100	<i>Bactris gasipaes</i>	wfo-0000307252	Kunth	Arecaceae
100	<i>Bertholletia excelsa</i>	wfo-0000775013	Bonpl.	Lecythidaceae
100	<i>Bixa orellana</i>	wfo-0000342565	L.	Bixaceae
100	<i>Borassus flabellifer</i>	wfo-0000350367	L.	Arecaceae
100	<i>Brosimum alicastrum</i>	wfo-0000572378	Sw.	Moraceae
100	<i>Byrsonima crassifolia</i>	wfo-0000576794	(L.) Kunth	Malpighiaceae
100	<i>Calliandra calothyrsus</i>	wfo-0001050431	Meisn.	Fabaceae
100	<i>Calophyllum brasiliense</i>	wfo-0000581058	Cambess.	Calophyllaceae
100	<i>Carica papaya</i>	wfo-0000588009	L.	Caricaceae
100	<i>Cassia fistula</i>	wfo-0000163802	L.	Fabaceae
100	<i>Casuarina equisetifolia</i>	wfo-0000590663	L.	Casuarinaceae
100	<i>Cedrela odorata</i>	wfo-0000592446	L.	Meliaceae
100	<i>Ceiba pentandra</i>	wfo-0000592594	(L.) Gaertn.	Malvaceae
100	<i>Ceratonia siliqua</i>	wfo-0000165151	L.	Fabaceae
100	<i>Chrysophyllum cainito</i>	wfo-0000854556	L.	Sapotaceae
100	<i>Cinnamomum camphora</i>	wfo-0000604955	(L.) J.Presl	Lauraceae
100	<i>Citrus maxima</i>	wfo-0000608138	(Burm.) Merr.	Rutaceae
100	<i>Citrus sinensis</i>	wfo-0001249323	(L.) Osbeck	Rutaceae
100	<i>Cocos nucifera</i>	wfo-0000903570	L.	Arecaceae
100	<i>Cordia alliodora</i>	wfo-0000620227	(Ruiz & Pav.) Oken	Boraginaceae
100	<i>Corymbia citriodora</i>	wfo-0000925431	(Hook.) K.D.Hill & L.A.S.Johnson	Myrtaceae
100	<i>Cupressus lusitanica</i>	wfo-0000630722	Mill.	Cupressaceae
100	<i>Dalbergia sissoo</i>	wfo-0000172499	DC.	Fabaceae
100	<i>Elaeis guineensis</i>	wfo-0000947985	Jacq.	Arecaceae
100	<i>Enterolobium cyclocarpum</i>	wfo-0000194821	(Jacq.) Griseb.	Fabaceae

TOP	scientificName	taxonID	scientificNameAuthors hip	Family
100	<i>Erythrina poeppigiana</i>	wfo-0000165906	(Walp.) O.F.Cook	Fabaceae
100	<i>Erythrina variegata</i>	wfo-0000181193	L.	Fabaceae
100	<i>Eucalyptus camaldulensis</i>	wfo-0000954597	Dehnh.	Myrtaceae
100	<i>Eucalyptus globulus</i>	wfo-0000954998	Labill.	Myrtaceae
100	<i>Eucalyptus grandis</i>	wfo-0000955035	W.Hill	Myrtaceae
100	<i>Eucalyptus robusta</i>	wfo-0000955809	Sm.	Myrtaceae
100	<i>Eucalyptus tereticornis</i>	wfo-0000956012	Sm.	Myrtaceae
100	<i>Eucalyptus urophylla</i>	wfo-0000956096	S.T.Blake	Myrtaceae
100	<i>Euphorbia tirucalli</i>	wfo-0000965116	L.	Euphorbiaceae
100	<i>Faidherbia albida</i>	wfo-0000186081	(Delile) A.Chev.	Fabaceae
100	<i>Falcataria moluccana</i>	wfo-0000196113	(Miq.) Barneby & J.W.Grimes	Fabaceae
100	<i>Genipa americana</i>	wfo-0000971808	L.	Rubiaceae
100	<i>Gleditsia triacanthos</i>	wfo-0000168133	L.	Fabaceae
100	<i>Gliricidia sepium</i>	wfo-0000178022	(Jacq.) Walp.	Fabaceae
100	<i>Gmelina arborea</i>	wfo-0000974016	Roxb.	Lamiaceae
100	<i>Grevillea robusta</i>	wfo-0000709544	A.Cunn. ex R.Br.	Proteaceae
100	<i>Guazuma ulmifolia</i>	wfo-0000711645	Lam.	Malvaceae
100	<i>Hevea brasiliensis</i>	wfo-0000982080	(Willd. ex A.Juss.) Müll.Arg.	Euphorbiaceae
100	<i>Hymenaea courbaril</i>	wfo-0000168642	L.	Fabaceae
100	<i>Jatropha curcas</i>	wfo-0000219580	L.	Euphorbiaceae
100	<i>Khaya senegalensis</i>	wfo-0000356989	(Desv.) A.Juss.	Meliaceae
100	<i>Leucaena leucocephala</i>	wfo-0000164084	(Lam.) de Wit	Fabaceae
100	<i>Macadamia integrifolia</i>	wfo-0000452329	Maiden & Betche	Proteaceae
100	<i>Mammea americana</i>	wfo-0000375040	L.	Calophyllaceae
100	<i>Mangifera indica</i>	wfo-0000371248	L.	Anacardiaceae
100	<i>Manilkara zapota</i>	wfo-0000235995	(L.) P.Royen	Sapotaceae
100	<i>Melia azedarach</i>	wfo-0000450150	L.	Meliaceae
100	<i>Moringa oleifera</i>	wfo-0001085051	Lam.	Moringaceae
100	<i>Morus alba</i>	wfo-0000447905	L.	Moraceae
100	<i>Olea europaea</i>	wfo-0000817273	L.	Oleaceae
100	<i>Pachira quinata</i>	wfo-0000397384	(Jacq.) W.S.Alverson	Malvaceae
100	<i>Persea americana</i>	wfo-0000465160	Mill.	Lauraceae
100	<i>Phoenix dactylifera</i>	wfo-0000269752	L.	Arecaceae
100	<i>Pinus caribaea</i>	wfo-0000482235	Morelet	Pinaceae
100	<i>Pithecellobium dulce</i>	wfo-0000178252	(Roxb.) Benth.	Fabaceae
100	<i>Pongamia pinnata</i>	wfo-0000201168	(L.) Pierre	Fabaceae
100	<i>Pouteria sapota</i>	wfo-0000282077	(Jacq.) H.E.Moore & Stearn	Sapotaceae
100	<i>Prosopis cineraria</i>	wfo-0000185047	(L.) Druce	Fabaceae
100	<i>Prosopis juliflora</i>	wfo-0000172293	(Sw.) DC.	Fabaceae
100	<i>Psidium guava</i>	wfo-0000284421	L.	Myrtaceae
100	<i>Pterocarpus indicus</i>	wfo-0000172738	Willd.	Fabaceae
100	<i>Senna siamea</i>	wfo-0000164745	(Lam.) H.S.Irwin & Barneby	Fabaceae
100	<i>Sesbania grandiflora</i>	wfo-0000178509	(L.) Pers.	Fabaceae
100	<i>Spondias mombin</i>	wfo-0000435470	L.	Anacardiaceae
100	<i>Swietenia macrophylla</i>	wfo-0000505131	King	Meliaceae
100	<i>Syzygium cumini</i>	wfo-0000318521	(L.) Skeels	Myrtaceae
100	<i>Tamarindus indica</i>	wfo-0000170926	L.	Fabaceae
100	<i>Tectona grandis</i>	wfo-0000321229	L.f.	Lamiaceae
100	<i>Terminalia catappa</i>	wfo-0000406800	L.	Combretaceae
100	<i>Theobroma cacao</i>	wfo-0000458440	L.	Malvaceae
100	<i>Vitellaria paradoxa</i>	wfo-0000332885	C.F.Gaertn.	Sapotaceae
100	<i>Ziziphus jujuba</i>	wfo-0000430303	Mill.	Rhamnaceae
830	<i>Abelmoschus moschatus</i>	wfo-0000510888	Medik.	Malvaceae
830	<i>Abies amabilis</i>	wfo-0000510989	(Douglas ex Loudon) J.Forbes	Pinaceae
830	<i>Abies balsamea</i>	wfo-0000511004	(L.) Mill.	Pinaceae

TOP	scientificName	taxonID	scientificNameAuthors hip	Family
830	<i>Abies concolor</i>	wfo-0000511077	(Gordon) Lindl. ex Hildebr.	Pinaceae
830	<i>Abies guatemalensis</i>	wfo-0000511185	Rehder	Pinaceae
830	<i>Abroma augusta</i>	wfo-0000511487	(L.) L.f.	Malvaceae
830	<i>Acacia aneura</i>	wfo-0000186688	Benth.	Fabaceae
830	<i>Acacia angustissima</i>	wfo-0000182075	(Mill.) Kuntze	Fabaceae
830	<i>Acacia aulacocarpa</i>	wfo-0000202547	Benth.	Fabaceae
830	<i>Acacia cambagei</i>	wfo-0000202385	R.T.Baker	Fabaceae
830	<i>Acacia crassicarpa</i>	wfo-0000202545	Benth.	Fabaceae
830	<i>Acacia cyclops</i>	wfo-0000192127	G.Don	Fabaceae
830	<i>Acacia decurrens</i>	wfo-0000192434	Willd.	Fabaceae
830	<i>Acacia difficilis</i>	wfo-0000202611	Maiden	Fabaceae
830	<i>Acacia erioloba</i>	wfo-0000194374	E.Mey.	Fabaceae
830	<i>Acacia farnesiana</i>	wfo-0000195712	(L.) Willd.	Fabaceae
830	<i>Acacia koa</i>	wfo-0000173762	A.Gray	Fabaceae
830	<i>Acacia leucophloea</i>	wfo-0000186118	(Roxb.) Willd.	Fabaceae
830	<i>Acacia melanoxylon</i>	wfo-0000204086	R.Br.	Fabaceae
830	<i>Acacia mellifera</i>	wfo-0000186859	(M.Vahl) Benth.	Fabaceae
830	<i>Acacia polyacantha</i>	wfo-0000209605	Willd.	Fabaceae
830	<i>Acacia saligna</i>	wfo-0000210801	(Labill.) Wendl.	Fabaceae
830	<i>Acacia sieberiana</i>	wfo-0000211037	DC.	Fabaceae
830	<i>Acacia victoriae</i>	wfo-0000185334	Benth.	Fabaceae
830	<i>Acacia xanthophloea</i>	wfo-0000211448	Benth.	Fabaceae
830	<i>Acca sellowiana</i>	wfo-0000281732	(O.Berg) Burret	Myrtaceae
830	<i>Acer campestre</i>	wfo-0000514040	L.	Sapindaceae
830	<i>Acer saccharinum</i>	wfo-0000515004	L.	Sapindaceae
830	<i>Acer saccharum</i>	wfo-0000515026	Marshall	Sapindaceae
830	<i>Acokanthera schimperi</i>	wfo-0000336741	(A.DC.) Schweinf.	Apocynaceae
830	<i>Acrocarpus fraxinifolius</i>	wfo-0000211685	Arn.	Fabaceae
830	<i>Acrocomia aculeata</i>	wfo-0000486739	(Jacq.) Lodd. ex Mart.	Arecaceae
830	<i>Adenanthera pavonina</i>	wfo-0000173869	L.	Fabaceae
830	<i>Aegle marmelos</i>	wfo-0000521533	(L.) Corrêa	Rutaceae
830	<i>Aesculus hippocastanum</i>	wfo-0000522287	L.	Sapindaceae
830	<i>Afrocarpus falcatus</i>	wfo-0000522640	(Thunb.) C.N.Page	Podocarpaceae
830	<i>Afzelia africana</i>	wfo-0000213207	Pers.	Fabaceae
830	<i>Afzelia quanzensis</i>	wfo-0000211863	Welw.	Fabaceae
830	<i>Afzelia rhomboidea</i>	wfo-0000206081	(Blanco) S.Vidal	Fabaceae
830	<i>Afzelia xylocarpa</i>	wfo-0000186209	(Kurz) Craib	Fabaceae
830	<i>Agathis australis</i>	wfo-0000907999	(D.Don) Lindl.	Araucariaceae
830	<i>Agathis dammara</i>	wfo-0000908436	(Lamb.) Rich. & A.Rich.	Araucariaceae
830	<i>Agathis macrophylla</i>	wfo-0000909190	(Lindl.) Mast.	Araucariaceae
830	<i>Agathis philippinensis</i>	wfo-0001087375	Warb.	Araucariaceae
830	<i>Agathis robusta</i>	wfo-0000910187	(C.Moore ex F.Muell.) F.M.Bailey	Araucariaceae
830	<i>Ailanthus altissima</i>	wfo-0000524599	(Mill.) Swingle	Simaroubaceae
830	<i>Ailanthus excelsa</i>	wfo-0000524612	Roxb.	Simaroubaceae
830	<i>Ailanthus triphysa</i>	wfo-0001140390	(Dennst.) Alston	Simaroubaceae
830	<i>Albizia adianthifolia</i>	wfo-0000179990	(Schum.) W.Wight	Fabaceae
830	<i>Albizia amara</i>	wfo-0000180283	(Roxb.) B.Boivin	Fabaceae
830	<i>Albizia carbonaria</i>	wfo-0000181675	Britton	Fabaceae
830	<i>Albizia chinensis</i>	wfo-0000182103	(Osbeck) Merr.	Fabaceae
830	<i>Albizia ferruginea</i>	wfo-0000182621	(Guill. & Perr.) Benth.	Fabaceae
830	<i>Albizia guachapele</i>	wfo-0000185989	(Kunth) Dugand	Fabaceae
830	<i>Albizia gummifera</i>	wfo-0000183535	(J.F.Gmel.) C.A.Sm.	Fabaceae
830	<i>Albizia julibrissin</i>	wfo-0000173835	Durazz.	Fabaceae
830	<i>Albizia niopoides</i>	wfo-0000187194	(Benth.) Burkart	Fabaceae
830	<i>Albizia odoratissima</i>	wfo-0000185541	(L.f.) Benth.	Fabaceae
830	<i>Albizia versicolor</i>	wfo-0000187086	Oliv.	Fabaceae
830	<i>Albizia zygia</i>	wfo-0000173024	(DC.) J.F.Macbr.	Fabaceae

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830	<i>Allanblackia floribunda</i>	wfo-0000525979	Oliv.	Clusiaceae
830	<i>Allanblackia stuhlmannii</i>	wfo-0000525993	(Engl.) Engl.	Clusiaceae
830	<i>Allophylus cobbe</i>	wfo-0000526604	(L.) Raeusch.	Sapindaceae
830	<i>Alnus glutinosa</i>	wfo-0000945215	(L.) Gaertn.	Betulaceae
830	<i>Alnus japonica</i>	wfo-0000946310	(Thunb.) Steud.	Betulaceae
830	<i>Alnus rubra</i>	wfo-0000947467	Bong.	Betulaceae
830	<i>Aloe ferox</i>	wfo-0000758186	Mill.	Asphodelaceae
830	<i>Alphitonia zizyphoides</i>	wfo-0000527332	(Sol. ex Spreng.) A.Gray	Rhamnaceae
830	<i>Alstonia angustiloba</i>	wfo-0000951882	Miq.	Apocynaceae
830	<i>Alstonia boonei</i>	wfo-0000951936	De Wild.	Apocynaceae
830	<i>Alstonia congensis</i>	wfo-0000952011	Engl.	Apocynaceae
830	<i>Alstonia macrophylla</i>	wfo-0000952530	Wall. ex G.Don	Apocynaceae
830	<i>Alstonia scholaris</i>	wfo-0001257712	(L.) R.Br.	Apocynaceae
830	<i>Alstonia spatulata</i>	wfo-0000953059	Blume	Apocynaceae
830	<i>Alstonia spectabilis</i>	wfo-0000953070	R.Br.	Apocynaceae
830	<i>Altingia excelsa</i>	wfo-0000529089	Noronha	Altingiaceae
830	<i>Amburana cearensis</i>	wfo-0000182165	(Allemao) A.C.Sm.	Fabaceae
830	<i>Amphimas pterocarpoides</i>	wfo-0000211895	Harms	Fabaceae
830	<i>Anacardium excelsum</i>	wfo-0000533054	(Bertero ex Kunth) Skeels	Anacardiaceae
830	<i>Aniba rosaeodora</i>	wfo-0000536890	Ducke	Lauraceae
830	<i>Anisoptera costata</i>	wfo-0000537347	Korth.	Dipterocarpaceae
830	<i>Annona macroprophyllata</i>	wfo-0000537829	Donn.Sm.	Annonaceae
830	<i>Annona montana</i>	wfo-0000537842	Macfad.	Annonaceae
830	<i>Annona purpurea</i>	wfo-0000537901	Moc. & Sessé ex Dunal	Annonaceae
830	<i>Annona reticulata</i>	wfo-0000537905	L.	Annonaceae
830	<i>Annona senegalensis</i>	wfo-0000537928	Pers.	Annonaceae
830	<i>Annona squamosa</i>	wfo-0000537947	L.	Annonaceae
830	<i>Anogeissus acuminata</i>	wfo-0000538080	(Roxb. ex DC.) Wall. ex Guillem. & Perr.	Combretaceae
830	<i>Anogeissus latifolia</i>	wfo-0000538092	(Roxb. ex DC.) Wall. ex Guillem. & Perr.	Combretaceae
830	<i>Anogeissus leiocarpa</i>	wfo-0000538097	(DC.) Guill. & Perr.	Combretaceae
830	<i>Antiaris toxicaria</i>	wfo-0000538857	Lesch.	Moraceae
830	<i>Antidesma bunius</i>	wfo-0000235333	(L.) Spreng.	Phyllanthaceae
830	<i>Apuleia leiocarpa</i>	wfo-0000186778	(Vogel) J.F.Macbr.	Fabaceae
830	<i>Aquilaria crassna</i>	wfo-0000541072	Pierre ex Lecomte	Thymelaeaceae
830	<i>Aquilaria malaccensis</i>	wfo-0001142510	Lam.	Thymelaeaceae
830	<i>Araucaria angustifolia</i>	wfo-0000260143	(Bertol.) Kuntze	Araucariaceae
830	<i>Araucaria araucana</i>	wfo-0000260165	(Molina) K.Koch	Araucariaceae
830	<i>Araucaria bidwillii</i>	wfo-0000260208	Hook.	Araucariaceae
830	<i>Araucaria cunninghamii</i>	wfo-0000260301	Mudie	Araucariaceae
830	<i>Araucaria hunsteinii</i>	wfo-0000260411	K.Schum.	Araucariaceae
830	<i>Arbutus unedo</i>	wfo-0000543204	L.	Ericaceae
830	<i>Arenga pinnata</i>	wfo-0000263731	(Wurmb) Merr.	Arecaceae
830	<i>Argania spinosa</i>	wfo-0000264280	(L.) Skeels	Sapotaceae
830	<i>Artemisia annua</i>	wfo-0000083255	L.	Asteraceae
830	<i>Artocarpus camansi</i>	wfo-0000550450	Blanco	Moraceae
830	<i>Artocarpus chama</i>	wfo-0000550454	Buch.-Ham.	Moraceae
830	<i>Artocarpus hirsutus</i>	wfo-0000550493	Lam.	Moraceae
830	<i>Artocarpus integer</i>	wfo-0000550504	(Thunb.) Merr.	Moraceae
830	<i>Artocarpus lacucha</i>	wfo-0000550516	Buch.-Ham.	Moraceae
830	<i>Artocarpus mariannensis</i>	wfo-0000550534	Trécul	Moraceae
830	<i>Artocarpus odoratissimus</i>	wfo-0000550556	Blanco	Moraceae
830	<i>Asimina triloba</i>	wfo-0000552025	(L.) Dunal	Annonaceae
830	<i>Aspidosperma polyneuron</i>	wfo-0000291421	Müll.Arg.	Apocynaceae
830	<i>Astrocaryum vulgare</i>	wfo-0000294026	Mart.	Arecaceae
830	<i>Astronium graveolens</i>	wfo-0000554996	Jacq.	Anacardiaceae
830	<i>Astronium urundeuva</i>	wfo-0000555015	Engl.	Anacardiaceae

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830	<i>Attalea cohune</i>	wfo-0000295975	Mart.	Arecaceae
830	<i>Attalea funifera</i>	wfo-0000296146	Mart.	Arecaceae
830	<i>Attalea speciosa</i>	wfo-0000296598	Mart.	Arecaceae
830	<i>Aucoumea klaineana</i>	wfo-0000556878	Pierre	Burseraceae
830	<i>Averrhoa bilimbi</i>	wfo-0000557404	L.	Oxalidaceae
830	<i>Averrhoa carambola</i>	wfo-0000557405	L.	Oxalidaceae
830	<i>Avicennia germinans</i>	wfo-0000302902	(L.) L.	Acanthaceae
830	<i>Avicennia marina</i>	wfo-0000303022	(Forssk.) Vierh.	Acanthaceae
830	<i>Azadirachta excelsa</i>	wfo-0000557667	(Jack) Jacobs	Meliaceae
830	<i>Azanza garckeana</i>	wfo-0000557987	(F.Hoffm.) Exell & Hillc.	Malvaceae
830	<i>Baccaurea motleyana</i>	wfo-0000305017	(Müll.Arg.) Müll.Arg.	Phyllanthaceae
830	<i>Baccaurea racemosa</i>	wfo-0000305368	(Reinw. ex Blume) Müll.Arg.	Phyllanthaceae
830	<i>Baccaurea ramiflora</i>	wfo-0000305379	Lour.	Phyllanthaceae
830	<i>Baikiaea plurijuga</i>	wfo-0000212823	Harms	Fabaceae
830	<i>Baillonella toxisperma</i>	wfo-0000311990	Pierre	Sapotaceae
830	<i>Balanites aegyptiaca</i>	wfo-0000313273	(L.) Delile	Zygophyllaceae
830	<i>Balfourodendron riedelianum</i>	wfo-0000558784	(Engl.) Engl.	Rutaceae
830	<i>Bambusa vulgaris</i>	wfo-0000853559	Schrad.	Poaceae
830	<i>Baphia nitida</i>	wfo-0000212016	Lodd.	Fabaceae
830	<i>Barringtonia acutangula</i>	wfo-0000774811	(L.) Gaertn.	Lecythidaceae
830	<i>Barringtonia asiatica</i>	wfo-0000774825	(L.) Kurz	Lecythidaceae
830	<i>Barringtonia procera</i>	wfo-0000774956	(Miers) R.Knuth	Lecythidaceae
830	<i>Barringtonia racemosa</i>	wfo-0000774962	(L.) Spreng.	Lecythidaceae
830	<i>Bauhinia pettersiana</i>	wfo-0000213067	Bolle	Fabaceae
830	<i>Bauhinia rufescens</i>	wfo-0000213186	Lam.	Fabaceae
830	<i>Bauhinia thonningii</i>	wfo-0000170425	Schum.	Fabaceae
830	<i>Bauhinia tomentosa</i>	wfo-0000213258	L.	Fabaceae
830	<i>Bauhinia variegata</i>	wfo-0000213330	L.	Fabaceae
830	<i>Berchemia discolor</i>	wfo-0000564133	(Klotzsch) Hemsl.	Rhamnaceae
830	<i>Betula lenta</i>	wfo-0000334091	L.	Betulaceae
830	<i>Betula pendula</i>	wfo-0000335449	Roth	Betulaceae
830	<i>Bischofia javanica</i>	wfo-0000342237	Blume	Phyllanthaceae
830	<i>Blighia sapida</i>	wfo-0000566873	K.D.Koenig	Sapindaceae
830	<i>Blumea balsamifera</i>	wfo-0000002804	(L.) DC.	Asteraceae
830	<i>Bobgunnia madagascariensis</i>	wfo-0000192568	(Desv.) J.H.Kirkbr. & Wiersema	Fabaceae
830	<i>Bombax ceiba</i>	wfo-0000568369	L.	Malvaceae
830	<i>Borassus aethiopum</i>	wfo-0000350303	Mart.	Arecaceae
830	<i>Boscia angustifolia</i>	wfo-0000569495	A.Rich.	Capparaceae
830	<i>Boscia senegalensis</i>	wfo-0000569567	Lam.	Capparaceae
830	<i>Boswellia serrata</i>	wfo-0000569726	Roxb. ex Colebr.	Burseraceae
830	<i>Bouea macrophylla</i>	wfo-0000569871	Griff.	Anacardiaceae
830	<i>Bowdichia virgilioides</i>	wfo-0000164496	Kunth	Fabaceae
830	<i>Brachychiton populneus</i>	wfo-0000570276	(Schott & Endl.) R.Br.	Malvaceae
830	<i>Brachylaena huillensis</i>	wfo-0000024237	O.Hoffm.	Asteraceae
830	<i>Brachystegia spiciformis</i>	wfo-0000213969	Benth.	Fabaceae
830	<i>Bridelia micrantha</i>	wfo-0000421441	(Hochst.) Baill.	Phyllanthaceae
830	<i>Brosimum guianense</i>	wfo-0000572409	(Aubl.) Huber ex Ducke	Moraceae
830	<i>Brosimum parinarioides</i>	wfo-0000572433	Ducke	Moraceae
830	<i>Brosimum rubescens</i>	wfo-0000572443	Taub.	Moraceae
830	<i>Brosimum utile</i>	wfo-0000572451	(Kunth) Oken	Moraceae
830	<i>Broussonetia papyrifera</i>	wfo-0000572577	(L.) L'Hér. ex Vent.	Moraceae
830	<i>Bruguiera gymnorhiza</i>	wfo-0000572747	(L.) Lam.	Rhizophoraceae
830	<i>Buchanania cochinchinensis</i>	wfo-0000573381	(Lour.) M.R.Almeida	Anacardiaceae
830	<i>Bulnesia sarmientoi</i>	wfo-0000574548	Lorentz ex Griseb.	Zygophyllaceae
830	<i>Burkea africana</i>	wfo-0000214110	Hook.	Fabaceae
830	<i>Bursera simaruba</i>	wfo-0000576316	(L.) Sarg.	Burseraceae

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830	<i>Butea monosperma</i>	wfo-0000184561	(Lam.) Taub.	Fabaceae
830	<i>Buxus sempervirens</i>	wfo-0000576626	L.	Buxaceae
830	<i>Cadaba farinosa</i>	wfo-0000578357	Forssk.	Capparaceae
830	<i>Caesalpinia coriaria</i>	wfo-0000214204	(Jacq.) Willd.	Fabaceae
830	<i>Caesalpinia pulcherrima</i>	wfo-0000214363	(L.) Sw.	Fabaceae
830	<i>Caesalpinia sappan</i>	wfo-0000214430	L.	Fabaceae
830	<i>Caesalpinia spinosa</i>	wfo-0000184439	(Molina) Kuntze	Fabaceae
830	<i>Cajanus cajan</i>	wfo-0000179103	(L.) Millsp.	Fabaceae
830	<i>Callitris columellaris</i>	wfo-0000580726	F.Muell.	Cupressaceae
830	<i>Callitris endlicheri</i>	wfo-0000580741	(Parl.) F.M.Bailey	Cupressaceae
830	<i>Calodendrum capense</i>	wfo-0000580859	(L.f.) Thunb.	Rutaceae
830	<i>Calophyllum inophyllum</i>	wfo-0000581184	L.	Calophyllaceae
830	<i>Calotropis procera</i>	wfo-0000581500	(Aiton) Dryand.	Apocynaceae
830	<i>Calycophyllum candidissimum</i>	wfo-0000782062	(Vahl) DC.	Rubiaceae
830	<i>Camellia sinensis</i>	wfo-0000582676	(L.) Kuntze	Theaceae
830	<i>Campnosperma brevipetiolatum</i>	wfo-0000583057	Volkens	Anacardiaceae
830	<i>Cananga odorata</i>	wfo-0000583386	(Lam.) Hook.f. & Thomson	Annonaceae
830	<i>Canarium album</i>	wfo-0000583426	(Lour.) DC.	Burseraceae
830	<i>Canarium indicum</i>	wfo-0000583554	L.	Burseraceae
830	<i>Canarium luzonicum</i>	wfo-0000583598	(Blume) A.Gray	Burseraceae
830	<i>Canarium ovatum</i>	wfo-0000583658	Engl.	Burseraceae
830	<i>Canarium schweinfurtii</i>	wfo-0000583735	Engl.	Burseraceae
830	<i>Capparis decidua</i>	wfo-0000584647	(Forssk.) Edgew.	Capparaceae
830	<i>Capparis tomentosa</i>	wfo-0000585223	Lam.	Capparaceae
830	<i>Caragana arborescens</i>	wfo-0000213639	Lam.	Fabaceae
830	<i>Carapa guianensis</i>	wfo-0000586378	Aubl.	Meliaceae
830	<i>Carapa procera</i>	wfo-0001083560	DC.	Meliaceae
830	<i>Cariniana legalis</i>	wfo-0000775066	(Mart.) Kuntze	Lecythidaceae
830	<i>Cariniana pyriformis</i>	wfo-0000775074	Miers	Lecythidaceae
830	<i>Carissa carandas</i>	wfo-0000803077	L.	Apocynaceae
830	<i>Carissa macrocarpa</i>	wfo-0000803551	(Eckl.) A.DC.	Apocynaceae
830	<i>Carissa spinarum</i>	wfo-0000803913	L.	Apocynaceae
830	<i>Carpinus betulus</i>	wfo-0000804581	L.	Betulaceae
830	<i>Carya illinoensis</i>	wfo-0000588763	(Wangenh.) K.Koch	Juglandaceae
830	<i>Carya laciniosa</i>	wfo-0000588768	(F.Michx.) G.Don	Juglandaceae
830	<i>Carya ovata</i>	wfo-0000588816	(Mill.) K.Koch	Juglandaceae
830	<i>Caryocar brasiliense</i>	wfo-0000808012	A.St.-Hil.	Caryocaraceae
830	<i>Caryocar nuciferum</i>	wfo-0000808268	L.	Caryocaraceae
830	<i>Caryocar villosum</i>	wfo-0000808353	(Aubl.) Pers.	Caryocaraceae
830	<i>Caryodendron orinocense</i>	wfo-0000808457	H.Karst.	Euphorbiaceae
830	<i>Caryota urens</i>	wfo-0000809839	L.	Arecaceae
830	<i>Casimiroa edulis</i>	wfo-0000589005	La Llave	Rutaceae
830	<i>Cassia grandis</i>	wfo-0000163908	L.f.	Fabaceae
830	<i>Cassia javanica</i>	wfo-0000164126	L.	Fabaceae
830	<i>Cassia sieberiana</i>	wfo-0000164753	DC.	Fabaceae
830	<i>Castanea crenata</i>	wfo-0000811268	Siebold & Zucc.	Fagaceae
830	<i>Castanea dentata</i>	wfo-0000811441	(Marshall) Borkh.	Fagaceae
830	<i>Castanea mollissima</i>	wfo-0000811992	Blume	Fagaceae
830	<i>Castanea sativa</i>	wfo-0000812271	Mill.	Fagaceae
830	<i>Castanopsis javanica</i>	wfo-0000814107	(Blume) A.DC.	Fagaceae
830	<i>Castanospermum australe</i>	wfo-0000212067	A.Cunn. & C.Fraser	Fabaceae
830	<i>Castilla elastica</i>	wfo-0000589992	Cerv.	Moraceae
830	<i>Casuarina cunninghamiana</i>	wfo-0000590647	Miq.	Casuarinaceae
830	<i>Casuarina glauca</i>	wfo-0000590675	Sieber ex Spreng.	Casuarinaceae
830	<i>Casuarina junghuhniana</i>	wfo-0000590691	Miq.	Casuarinaceae

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830	<i>Casuarina oligodon</i>	wfo-0000590724	L.A.S.Johnson	Casuarinaceae
830	<i>Cecropia peltata</i>	wfo-0000592298	L.	Urticaceae
830	<i>Cedrela fissilis</i>	wfo-0000592409	Vell.	Meliaceae
830	<i>Cedrelinga cateniformis</i>	wfo-0000186555	(Ducke) Ducke	Fabaceae
830	<i>Cedrus deodara</i>	wfo-0000592532	(Roxb. ex D.Don) G.Don	Pinaceae
830	<i>Celtis australis</i>	wfo-0000593422	L.	Cannabaceae
830	<i>Cerbera odollam</i>	wfo-0000834592	Gaertn.	Apocynaceae
830	<i>Cereus repandus</i>	wfo-0000597593	(L.) Mill.	Cactaceae
830	<i>Ceriops tagal</i>	wfo-0000597945	(Perr.) C.B.Rob.	Rhizophoraceae
830	<i>Chamaedorea tepejilote</i>	wfo-0000839378	Liebm.	Arecaceae
830	<i>Chlorocardium rodiei</i>	wfo-0000603136	(Schomb.) Rohwer, H.G.Richt. & van der Werff	Lauraceae
830	<i>Chloroxylon swietenia</i>	wfo-0000603186	DC.	Rutaceae
830	<i>Chrysobalanus icaco</i>	wfo-0000830291	L.	Chrysobalanaceae
830	<i>Chrysophyllum albidum</i>	wfo-0000853909	G.Don	Sapotaceae
830	<i>Chukrasia tabularis</i>	wfo-0000604169	A.Juss.	Meliaceae
830	<i>Cinchona officinalis</i>	wfo-0001132044	L.	Rubiaceae
830	<i>Cinchona pubescens</i>	wfo-0000862489	Vahl	Rubiaceae
830	<i>Cinnamomum burmanni</i>	wfo-0000604944	(Nees & T.Nees) Blume	Lauraceae
830	<i>Cinnamomum cassia</i>	wfo-0000604975	(L.) J.Presl	Lauraceae
830	<i>Cinnamomum verum</i>	wfo-0000605512	J.Presl	Lauraceae
830	<i>Citrus hystrix</i>	wfo-0000608056	DC.	Rutaceae
830	<i>Citrus japonica</i>	wfo-0000608080	Thunb.	Rutaceae
830	<i>Citrus medica</i>	wfo-0000608140	L.	Rutaceae
830	<i>Clausena anisata</i>	wfo-0000608620	(Willd.) Hook.f. ex Benth.	Rutaceae
830	<i>Clausena lansium</i>	wfo-0000608677	(Lour.) Skeels	Rutaceae
830	<i>Cleistopholis glauca</i>	wfo-0000609404	Pierre ex Engl. & Diels	Annonaceae
830	<i>Cnidoscolus aconitifolius</i>	wfo-0000898356	(Mill.) I.M.Johnst.	Euphorbiaceae
830	<i>Coccocloba uvifera</i>	wfo-0000613437	(L.) L.	Polygonaceae
830	<i>Coffea arabica</i>	wfo-0000910097	L.	Rubiaceae
830	<i>Coffea canephora</i>	wfo-0000910571	Pierre ex A.Froehner	Rubiaceae
830	<i>Coffea liberica</i>	wfo-0000911201	Hiern	Rubiaceae
830	<i>Cojoba arborea</i>	wfo-0000171255	(L.) Britton & Rose	Fabaceae
830	<i>Cola acuminata</i>	wfo-0000614368	(P.Beauv.) Schott & Endl.	Malvaceae
830	<i>Cola nitida</i>	wfo-0000614491	(Vent.) Schott & Endl.	Malvaceae
830	<i>Colophospermum mopane</i>	wfo-0000165169	(Benth.) Leonard	Fabaceae
830	<i>Colubrina arborescens</i>	wfo-0000615210	(Mill.) Sarg.	Rhamnaceae
830	<i>Combretum aculeatum</i>	wfo-0000616040	Vent.	Combretaceae
830	<i>Combretum micranthum</i>	wfo-0000616538	G.Don	Combretaceae
830	<i>Combretum molle</i>	wfo-0000616553	R.Br. ex G.Don	Combretaceae
830	<i>Commiphora africana</i>	wfo-0000617158	(A.Rich.) Endl.	Burseraceae
830	<i>Conocarpus erectus</i>	wfo-0000618338	L.	Combretaceae
830	<i>Copaifera langsdorffii</i>	wfo-0000165642	Desf.	Fabaceae
830	<i>Copaifera multijuga</i>	wfo-0000165650	Hayne	Fabaceae
830	<i>Copaifera officinalis</i>	wfo-0000165230	L.	Fabaceae
830	<i>Cordeauxia edulis</i>	wfo-0000165271	Hemsl.	Fabaceae
830	<i>Cordia africana</i>	wfo-0000620224	Lam.	Boraginaceae
830	<i>Cordia colluccia</i>	wfo-0000620368	L.	Boraginaceae
830	<i>Cordia dichotoma</i>	wfo-0000620417	G.Forst.	Boraginaceae
830	<i>Cordia dodecandra</i>	wfo-0000620429	A.DC.	Boraginaceae
830	<i>Cordia gerascanthus</i>	wfo-0000620498	L.	Boraginaceae
830	<i>Cordia megalantha</i>	wfo-0000620725	S.F.Blake	Boraginaceae
830	<i>Cordia millenii</i>	wfo-0000620742	Baker	Boraginaceae
830	<i>Cordia subcordata</i>	wfo-0000621005	Lam.	Boraginaceae
830	<i>Cordyline fruticosa</i>	wfo-0000764243	(L.) A.Chev.	Asparagaceae
830	<i>Cornus florida</i>	wfo-0000924674	L.	Cornaceae
830	<i>Corylus avellana</i>	wfo-0000925259	L.	Betulaceae

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830	<i>Corymbia maculata</i>	wfo-0000925549	(Hook.) K.D.Hill & L.A.S.Johnson	Myrtaceae
830	<i>Corymbia papuana</i>	wfo-0000925562	(F.Muell.) K.D.Hill & L.A.S.Johnson	Myrtaceae
830	<i>Corymbia torelliana</i>	wfo-0000925593	(F.Muell.) K.D.Hill & L.A.S.Johnson	Myrtaceae
830	<i>Cotylelobium burckii</i>	wfo-0000624075	(Heim) Heim	Dipterocarpaceae
830	<i>Cotylelobium lanceolatum</i>	wfo-0000624079	Craib	Dipterocarpaceae
830	<i>Cotylelobium melanoxylon</i>	wfo-0000624083	(Hook.f.) Pierre	Dipterocarpaceae
830	<i>Coula edulis</i>	wfo-0000624101	Baill.	Olacaceae
830	<i>Couma macrocarpa</i>	wfo-0000926016	Barb.Rodr.	Apocynaceae
830	<i>Couroupita guianensis</i>	wfo-0000775148	Aubl.	Lecythidaceae
830	<i>Crateva religiosa</i>	wfo-0000625724	G.Forst.	Capparaceae
830	<i>Cratylia argentea</i>	wfo-0000165676	(Desv.) Kuntze	Fabaceae
830	<i>Crescentia alata</i>	wfo-0000782020	Kunth	Bignoniaceae
830	<i>Crescentia cujete</i>	wfo-0000782030	L.	Bignoniaceae
830	<i>Crotalaria juncea</i>	wfo-0000210925	L.	Fabaceae
830	<i>Crotalaria micans</i>	wfo-0000210917	Link	Fabaceae
830	<i>Crotalaria trichotoma</i>	wfo-0000186157	Bojer	Fabaceae
830	<i>Croton megalocarpus</i>	wfo-0000931666	Hutch.	Euphorbiaceae
830	<i>Croton tiglium</i>	wfo-0000932555	L.	Euphorbiaceae
830	<i>Cryptomeria japonica</i>	wfo-0000628423	(Thunb. ex L.f.) D.Don	Cupressaceae
830	<i>Cunninghamia lanceolata</i>	wfo-0000629338	(Lamb.) Hook.	Cupressaceae
830	<i>Cupressus macrocarpa</i>	wfo-0000630740	Hartw.	Cupressaceae
830	<i>Cupressus sempervirens</i>	wfo-0000630789	L.	Cupressaceae
830	<i>Cupressus torulosa</i>	wfo-0000630822	D.Don	Cupressaceae
830	<i>Cydonia oblonga</i>	wfo-0001011708	Mill.	Rosaceae
830	<i>Cynometra cauliflora</i>	wfo-0000165841	L.	Fabaceae
830	<i>Cytisus proliferus</i>	wfo-0000185459	L.f.	Fabaceae
830	<i>Dacrycarpus imbricatus</i>	wfo-0000636636	(Blume) de Laub.	Podocarpaceae
830	<i>Dacryodes edulis</i>	wfo-0000636726	(G.Don) H.J.Lam	Burseraceae
830	<i>Dactyladenia barteri</i>	wfo-0000831241	(Hook.f. ex Oliv.) Prance & F.White	Chrysobalanaceae
830	<i>Dalbergia cearensis</i>	wfo-0000168991	Ducke	Fabaceae
830	<i>Dalbergia cochinchinensis</i>	wfo-0000199943	Pierre	Fabaceae
830	<i>Dalbergia latifolia</i>	wfo-0000172240	Roxb.	Fabaceae
830	<i>Dalbergia melanoxylon</i>	wfo-0000172325	Guill. & Perr.	Fabaceae
830	<i>Dalbergia nigra</i>	wfo-0000170463	(Vell.) Benth.	Fabaceae
830	<i>Dalbergia retusa</i>	wfo-0000169025	Hemsl.	Fabaceae
830	<i>Daniellia ogea</i>	wfo-0000166238	(Harms) Holland	Fabaceae
830	<i>Daniellia oliveri</i>	wfo-0000166281	(Rolfe) Hutch. & Dalziel	Fabaceae
830	<i>Delonix regia</i>	wfo-0000166389	(Hook.) Raf.	Fabaceae
830	<i>Dendrocalamus asper</i>	wfo-0000862301	(Schult.) Backer	Poaceae
830	<i>Dendrocalamus giganteus</i>	wfo-0000862329	Munro	Poaceae
830	<i>Derris elliptica</i>	wfo-0000186905	(Wall.) Benth.	Fabaceae
830	<i>Derris trifoliata</i>	wfo-0000198908	Lour.	Fabaceae
830	<i>Desmodium oojeinense</i>	wfo-0000186601	(Roxb.) H.Ohashi	Fabaceae
830	<i>Detarium microcarpum</i>	wfo-0000166421	Guill. & Perr.	Fabaceae
830	<i>Detarium senegalense</i>	wfo-0000166443	J.F.Gmel.	Fabaceae
830	<i>Dialium cochinchinense</i>	wfo-0000199436	Pierre	Fabaceae
830	<i>Dialium guianense</i>	wfo-0000170401	(Aubl.) Sandwith	Fabaceae
830	<i>Dialium guineense</i>	wfo-0000166689	Willd.	Fabaceae
830	<i>Dichrostachys cinerea</i>	wfo-0000176871	(L.) Wight & Arn.	Fabaceae
830	<i>Dillenia indica</i>	wfo-0000647564	L.	Dilleniaceae
830	<i>Dillenia philippinensis</i>	wfo-0000647616	Rolfe	Dilleniaceae
830	<i>Dimocarpus longan</i>	wfo-0000647787	Lour.	Sapindaceae
830	<i>Diospyros celebica</i>	wfo-0000648666	Bakh.	Ebenaceae
830	<i>Diospyros crassiflora</i>	wfo-0000648727	Hiern	Ebenaceae

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830	<i>Diospyros discolor</i>	wfo-0000648780	Willd.	Ebenaceae
830	<i>Diospyros ebenum</i>	wfo-0000648800	J.Koenig ex Retz.	Ebenaceae
830	<i>Diospyros kaki</i>	wfo-0000649136	L.f.	Ebenaceae
830	<i>Diospyros malabarica</i>	wfo-0000649282	(Desr.) Kostel.	Ebenaceae
830	<i>Diospyros melanoxylon</i>	wfo-0000649324	Roxb.	Ebenaceae
830	<i>Diospyros mespiliformis</i>	wfo-0000649333	Hochst. ex A.DC.	Ebenaceae
830	<i>Diospyros nigra</i>	wfo-0000649408	(J.F.Gmel.) Perrier	Ebenaceae
830	<i>Diospyros virginiana</i>	wfo-0000649953	L.	Ebenaceae
830	<i>Dipterocarpus alatus</i>	wfo-0000651281	Roxb. ex G.Don	Dipterocarpaceae
830	<i>Dipterocarpus gracilis</i>	wfo-0000651337	Blume	Dipterocarpaceae
830	<i>Dipterocarpus grandiflorus</i>	wfo-0000651338	(Blanco) Blanco	Dipterocarpaceae
830	<i>Dipterocarpus kerrii</i>	wfo-0000651356	King	Dipterocarpaceae
830	<i>Dipterocarpus retusus</i>	wfo-0000651415	Blume	Dipterocarpaceae
830	<i>Dipteryx odorata</i>	wfo-0000170550	(Aubl.) Willd.	Fabaceae
830	<i>Dipteryx oleifera</i>	wfo-0000163870	Benth.	Fabaceae
830	<i>Distemonanthus benthamianus</i>	wfo-0000167098	Baill.	Fabaceae
830	<i>Dobera glabra</i>	wfo-0000652723	(Forssk.) Juss. ex Poir.	Salvadoraceae
830	<i>Dodonaea viscosa</i>	wfo-0000653170	(L.) Jacq.	Sapindaceae
830	<i>Dovyalis caffra</i>	wfo-0000925143	(Hook.f. & Harv.) Sim	Salicaceae
830	<i>Dovyalis hebecarpa</i>	wfo-0000925151	(Gardner) Warb.	Salicaceae
830	<i>Dracontomelon dao</i>	wfo-0000656361	(Blanco) Merr. & Rolfe	Anacardiaceae
830	<i>Duboisia myoporoides</i>	wfo-0001021493	R.Br.	Solanaceae
830	<i>Durio zibethinus</i>	wfo-0000658098	L.	Malvaceae
830	<i>Dyera costulata</i>	wfo-0000946993	(Miq.) Hook.f.	Apocynaceae
830	<i>Dysoxylum fraserianum</i>	wfo-0000658585	(A.Juss.) Benth.	Meliaceae
830	<i>Ekebergia capensis</i>	wfo-0000663623	Sparrm.	Meliaceae
830	<i>Elaeagnus angustifolia</i>	wfo-0000663664	L.	Elaeagnaceae
830	<i>Elaeagnus rhamnoides</i>	wfo-0000663909	(L.) A.Nelson	Elaeagnaceae
830	<i>Elaeis oleifera</i>	wfo-0000947994	(Kunth) Cortés	Arecaceae
830	<i>Endiandra palmerstonii</i>	wfo-0000667680	(F.M.Bailey) C.T.White	Lauraceae
830	<i>Endospermum diadenum</i>	wfo-0000949016	(Miq.) Airy Shaw	Euphorbiaceae
830	<i>Endospermum medullosum</i>	wfo-0000949026	L.S.Sm.	Euphorbiaceae
830	<i>Entada abyssinica</i>	wfo-0000205748	A.Rich.	Fabaceae
830	<i>Entada africana</i>	wfo-0000207886	Guill. & Perr.	Fabaceae
830	<i>Entandrophragma angolense</i>	wfo-0000668205	(Welw.) C.DC.	Meliaceae
830	<i>Entandrophragma cylindricum</i>	wfo-0000668215	(Sprague) Sprague	Meliaceae
830	<i>Entandrophragma utile</i>	wfo-0000668244	(Dawe & Sprague) Sprague	Meliaceae
830	<i>Eriobotrya japonica</i>	wfo-0000986002	(Thunb.) Lindl.	Rosaceae
830	<i>Erythrina abyssinica</i>	wfo-0000180423	DC.	Fabaceae
830	<i>Erythrina berteroana</i>	wfo-0000180543	Urb.	Fabaceae
830	<i>Erythrina caffra</i>	wfo-0000180608	Thunb.	Fabaceae
830	<i>Erythrina edulis</i>	wfo-0000182129	Micheli	Fabaceae
830	<i>Erythrina fusca</i>	wfo-0000180759	Lour.	Fabaceae
830	<i>Erythrina subumbrans</i>	wfo-0000185021	(Hassk.) Merr.	Fabaceae
830	<i>Erythrophleum chlorostachys</i>	wfo-0000194822	(F.Muell.) Baill.	Fabaceae
830	<i>Erythrophleum suaveolens</i>	wfo-0000194829	(Guill. & Perr.) Brenan	Fabaceae
830	<i>Eucalyptus cloeziana</i>	wfo-0000954668	F.Muell.	Myrtaceae
830	<i>Eucalyptus crebra</i>	wfo-0000954740	F.Muell.	Myrtaceae
830	<i>Eucalyptus deglupta</i>	wfo-0000954796	Blume	Myrtaceae
830	<i>Eucalyptus delegatensis</i>	wfo-0000954798	F.Muell. ex R.T.Baker	Myrtaceae
830	<i>Eucalyptus diversicolor</i>	wfo-0000954826	F.Muell.	Myrtaceae

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830	<i>Eucalyptus gomphocephala</i>	wfo-0000955009	A.Cunn. ex DC.	Myrtaceae
830	<i>Eucalyptus marginata</i>	wfo-0000955329	Donn ex Sm.	Myrtaceae
830	<i>Eucalyptus melliodora</i>	wfo-0000955352	A.Cunn. ex Schauer	Myrtaceae
830	<i>Eucalyptus microcorys</i>	wfo-0000955365	F.Muell.	Myrtaceae
830	<i>Eucalyptus microtheca</i>	wfo-0000955371	F.Muell.	Myrtaceae
830	<i>Eucalyptus nitens</i>	wfo-0000955429	(H.Deane & Maiden) Maiden	Myrtaceae
830	<i>Eucalyptus obliqua</i>	wfo-0000955448	L'Hér.	Myrtaceae
830	<i>Eucalyptus paniculata</i>	wfo-0000955553	Sm.	Myrtaceae
830	<i>Eucalyptus pellita</i>	wfo-0000955588	F.Muell.	Myrtaceae
830	<i>Eucalyptus pilularis</i>	wfo-0000955625	Sm.	Myrtaceae
830	<i>Eucalyptus regnans</i>	wfo-0000955775	F.Muell.	Myrtaceae
830	<i>Eucalyptus resinifera</i>	wfo-0000955779	Sm.	Myrtaceae
830	<i>Eucalyptus saligna</i>	wfo-0000955842	Sm.	Myrtaceae
830	<i>Eucalyptus viminalis</i>	wfo-0000956115	Labill.	Myrtaceae
830	<i>Eugenia brasiliensis</i>	wfo-0000956594	Lam.	Myrtaceae
830	<i>Eugenia stipitata</i>	wfo-0000959150	McVaugh	Myrtaceae
830	<i>Eugenia uniflora</i>	wfo-0000959411	L.	Myrtaceae
830	<i>Euonymus japonicus</i>	wfo-0000681831	Thunb.	Celastraceae
830	<i>Euphorbia abyssinica</i>	wfo-0000960520	J.F.Gmel.	Euphorbiaceae
830	<i>Euphorbia nerifolia</i>	wfo-0000963554	L.	Euphorbiaceae
830	<i>Eurycoma longifolia</i>	wfo-0000683346	Jack	Simaroubaceae
830	<i>Eusideroxylon zwageri</i>	wfo-0000683479	Teijsm. & Binn.	Lauraceae
830	<i>Euterpe edulis</i>	wfo-0000965652	Mart.	Arecaceae
830	<i>Euterpe oleracea</i>	wfo-0000965687	Mart.	Arecaceae
830	<i>Euterpe precatoria</i>	wfo-0000965698	Mart.	Arecaceae
830	<i>Excoecaria agallocha</i>	wfo-0000965883	L.	Euphorbiaceae
830	<i>Fagraea fragrans</i>	wfo-0000685577	Roxb.	Gentianaceae
830	<i>Fagus grandifolia</i>	wfo-0000966434	Ehrh.	Fagaceae
830	<i>Fagus sylvatica</i>	wfo-0000966507	L.	Fagaceae
830	<i>Faurea saligna</i>	wfo-0000686024	Harv.	Proteaceae
830	<i>Ficus auriculata</i>	wfo-0000687425	Lour.	Moraceae
830	<i>Ficus benghalensis</i>	wfo-0000687501	L.	Moraceae
830	<i>Ficus carica</i>	wfo-0000687690	L.	Moraceae
830	<i>Ficus deltoidea</i>	wfo-0000688065	Jack	Moraceae
830	<i>Ficus elastica</i>	wfo-0000688216	Roxb. ex Hornem.	Moraceae
830	<i>Ficus insipida</i>	wfo-0000688819	Willd.	Moraceae
830	<i>Ficus lutea</i>	wfo-0000689147	Vahl	Moraceae
830	<i>Ficus racemosa</i>	wfo-0000689977	L.	Moraceae
830	<i>Ficus religiosa</i>	wfo-0000690026	L.	Moraceae
830	<i>Ficus subcordata</i>	wfo-0000690449	Blume	Moraceae
830	<i>Ficus sycomorus</i>	wfo-0000690537	L.	Moraceae
830	<i>Ficus thonningii</i>	wfo-0000690599	Blume	Moraceae
830	<i>Firmiana simplex</i>	wfo-0000691059	(L.) W.Wight	Malvaceae
830	<i>Flacourtie indica</i>	wfo-0000925655	(Burm.f.) Merr.	Salicaceae
830	<i>Flemingia macrophylla</i>	wfo-0000194840	(Willd.) Merr.	Fabaceae
830	<i>Fleroya ledermannii</i>	wfo-0000808678	(K.Krause) Y.F.Deng	Rubiaceae
830	<i>Fleroya stipulosa</i>	wfo-0000808680	(DC.) Y.F.Deng	Rubiaceae
830	<i>Flindersia brayleyana</i>	wfo-0000691376	F.Muell.	Rutaceae
830	<i>Flindersia pimenteliana</i>	wfo-0000691398	F.Muell.	Rutaceae
830	<i>Flueggea flexuosa</i>	wfo-0000967220	Müll.Arg.	Phyllanthaceae
830	<i>Fraxinus americana</i>	wfo-0000832243	L.	Oleaceae
830	<i>Fraxinus excelsior</i>	wfo-0000832453	L.	Oleaceae
830	<i>Funtumia africana</i>	wfo-0000967500	(Benth.) Stapf	Apocynaceae
830	<i>Garcinia hanburyi</i>	wfo-0000694351	Hook.f.	Clusiaceae
830	<i>Garcinia livingstonei</i>	wfo-0000694422	T.Anderson	Clusiaceae
830	<i>Ginkgo biloba</i>	wfo-0000795526	L.	Ginkgoaceae
830	<i>Gnetum gnemon</i>	wfo-0000795591	L.	Gnetaceae

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830	<i>Gonystylus bancanus</i>	wfo-0000707215	(Miq.) Kurz	Thymelaeaceae
830	<i>Grewia asiatica</i>	wfo-0000709742	L.	Malvaceae
830	<i>Grewia damine</i>	wfo-0000709875	Gaertn.	Malvaceae
830	<i>Guaiacum officinale</i>	wfo-0000710677	L.	Zygophyllaceae
830	<i>Guaiacum sanctum</i>	wfo-0000710683	L.	Zygophyllaceae
830	<i>Guarea guidonia</i>	wfo-0000710909	(L.) Sleumer	Meliaceae
830	<i>Guibourtia copallifera</i>	wfo-0000168339	Benn.	Fabaceae
830	<i>Haematoxylum campechianum</i>	wfo-0000168536	L.	Fabaceae
830	<i>Haldina cordifolia</i>	wfo-0000979047	(Roxb.) Ridsdale	Rubiaceae
830	<i>Handroanthus chrysanthus</i>	wfo-0000808824	(Jacq.) S.O.Grose	Bignoniaceae
830	<i>Handroanthus serratifolius</i>	wfo-0000808837	(Vahl) S.O.Grose	Bignoniaceae
830	<i>Hardwickia binata</i>	wfo-0000203549	Roxb.	Fabaceae
830	<i>Harungana madagascariensis</i>	wfo-0000716096	Lam. ex Poir.	Hypericaceae
830	<i>Hibiscus sabdariffa</i>	wfo-0000723020	L.	Malvaceae
830	<i>Hibiscus tiliaceus</i>	wfo-0001077669	L.	Malvaceae
830	<i>Hieronyma alchorneoides</i>	wfo-0000982272	Allemão	Phyllanthaceae
830	<i>Hopea odorata</i>	wfo-0000724618	Roxb.	Dipterocarpaceae
830	<i>Hura crepitans</i>	wfo-0000215711	L.	Euphorbiaceae
830	<i>Hyphaene thebaica</i>	wfo-0000216304	(L.) Mart.	Arecaceae
830	<i>Ilex mitis</i>	wfo-0000729632	(L.) Radlk.	Aquifoliaceae
830	<i>Ilex paraguariensis</i>	wfo-0000729719	A.St.-Hil.	Aquifoliaceae
830	<i>Illicium verum</i>	wfo-0000730107	Hook.f.	Schisandraceae
830	<i>Inga edulis</i>	wfo-0000175962	Mart.	Fabaceae
830	<i>Inga vera</i>	wfo-0000173675	Willd.	Fabaceae
830	<i>Inocarpus fagifer</i>	wfo-0000188199	(Parkinson) Fosberg	Fabaceae
830	<i>Intsia bijuga</i>	wfo-0000168901	(Colebr.) Kuntze	Fabaceae
830	<i>Iriartea deltoidea</i>	wfo-0000217575	Ruiz & Pav.	Arecaceae
830	<i>Irvingia gabonensis</i>	wfo-0000732297	(Aubry-Lecomte ex O'Rorke) Baill.	Irvingiaceae
830	<i>Jacaranda copaia</i>	wfo-0000778869	(Aubl.) D.Don	Bignoniaceae
830	<i>Jacaranda mimosifolia</i>	wfo-0000778761	D.Don	Bignoniaceae
830	<i>Juglans cinerea</i>	wfo-0000355096	L.	Juglandaceae
830	<i>Juglans neotropica</i>	wfo-0000355125	Diels	Juglandaceae
830	<i>Juglans nigra</i>	wfo-0000355126	L.	Juglandaceae
830	<i>Juglans olanchana</i>	wfo-0000355121	Standl. & L.O.Williams	Juglandaceae
830	<i>Juglans regia</i>	wfo-0000355051	L.	Juglandaceae
830	<i>Juniperus procera</i>	wfo-0000355729	Hochst. ex Endl.	Cupressaceae
830	<i>Khaya anthotheca</i>	wfo-0000357006	(Welw.) C.DC.	Meliaceae
830	<i>Khaya ivorensis</i>	wfo-0000356998	A.Chev.	Meliaceae
830	<i>Kigelia africana</i>	wfo-0000778884	(Lam.) Benth.	Bignoniaceae
830	<i>Lagerstroemia speciosa</i>	wfo-0000366693	(L.) Pers.	Lythraceae
830	<i>Laguncularia racemosa</i>	wfo-0000358854	(L.) C.F.Gaertn.	Combretaceae
830	<i>Lansium parasiticum</i>	wfo-0000443560	(Osbeck) K.C.Sahni & Bennet	Meliaceae
830	<i>Laurus nobilis</i>	wfo-0000364153	L.	Lauraceae
830	<i>Lawsonia inermis</i>	wfo-0000366658	L.	Lythraceae
830	<i>Lecythis pisonis</i>	wfo-0000774428	Cambess.	Lecythidaceae
830	<i>Leucaena collinsii</i>	wfo-0000164453	Britton & Rose	Fabaceae
830	<i>Leucaena diversifolia</i>	wfo-0000173706	(Schltdl.) Benth.	Fabaceae
830	<i>Leucaena trichandra</i>	wfo-0000192519	(Zucc.) Urb.	Fabaceae
830	<i>Licania platypus</i>	wfo-0000816148	(Hemsl.) Fritsch	Chrysobalanaceae
830	<i>Liquidambar styraciflua</i>	wfo-0000364015	L.	Altingiaceae
830	<i>Litchi chinensis</i>	wfo-0000446283	Sonn.	Sapindaceae
830	<i>Lophostoma alata</i>	wfo-0000443232	Banks ex C.F.Gaertn.	Ochnaceae
830	<i>Lovoa swynnertonii</i>	wfo-0001083761	Baker f.	Meliaceae
830	<i>Lysiloma latisiliquum</i>	wfo-0000183523	(L.) Benth.	Fabaceae

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830	<i>Macadamia tetraphylla</i>	wfo-0000452229	L.A.S.Johnson	Proteaceae
830	<i>Maclura tinctoria</i>	wfo-0000447821	(L.) D.Don ex Steud.	Moraceae
830	<i>Madhuca longifolia</i>	wfo-0000232785	(J.Koenig ex L.) J.F.Macbr.	Sapotaceae
830	<i>Maesopsis eminii</i>	wfo-0000452431	Engl.	Rhamnaceae
830	<i>Magnolia champaca</i>	wfo-0000233054	(L.) Baill. ex Pierre	Magnoliaceae
830	<i>Mallotus philippensis</i>	wfo-0000234691	(Lam.) Müll.Arg.	Euphorbiaceae
830	<i>Malpighia glabra</i>	wfo-0000449751	L.	Malpighiaceae
830	<i>Malus domestica</i>	wfo-0001008355	Borkh.	Rosaceae
830	<i>Mangifera altissima</i>	wfo-0000372708	Blanco	Anacardiaceae
830	<i>Mangifera foetida</i>	wfo-0000371219	Lour.	Anacardiaceae
830	<i>Manihot carthaginensis</i>	wfo-0000235453	(Jacq.) Müll.Arg.	Euphorbiaceae
830	<i>Manihot esculenta</i>	wfo-0000235507	Crantz	Euphorbiaceae
830	<i>Manilkara bidentata</i>	wfo-0000235825	(A.DC.) A.Chev.	Sapotaceae
830	<i>Manilkara kauki</i>	wfo-0000235898	(L.) Dubard	Sapotaceae
830	<i>Markhamia lutea</i>	wfo-0000779039	(Benth.) K.Schum.	Bignoniaceae
830	<i>Mauritia flexuosa</i>	wfo-0000238075	L.f.	Arecaceae
830	<i>Melaleuca alternifolia</i>	wfo-0000239396	(Maiden & Betche) Cheel	Myrtaceae
830	<i>Melaleuca cajuputi</i>	wfo-0000239449	Powell	Myrtaceae
830	<i>Melaleuca leucadendra</i>	wfo-0000239679	(L.) L.	Myrtaceae
830	<i>Melaleuca quinquenervia</i>	wfo-0000239797	(Cav.) S.T.Blake	Myrtaceae
830	<i>Melia volkensii</i>	wfo-0001083775	Gürke	Meliaceae
830	<i>Melicoccus bijugatus</i>	wfo-0000452919	Jacq.	Sapindaceae
830	<i>Mesua ferrea</i>	wfo-0001296121	L.	Calophyllaceae
830	<i>Metroxylon sagu</i>	wfo-0000242653	Rottb.	Arecaceae
830	<i>Milicia excelsa</i>	wfo-0000447908	(Welw.) C.C.Berg	Moraceae
830	<i>Mimosa pigra</i>	wfo-0000165078	L.	Fabaceae
830	<i>Mimosa scabrella</i>	wfo-0000165568	Benth.	Fabaceae
830	<i>Minquartia guianensis</i>	wfo-0000448413	Aubl.	Olacaceae
830	<i>Mora excelsa</i>	wfo-0000174438	Benth.	Fabaceae
830	<i>Morinda citrifolia</i>	wfo-0000245941	L.	Rubiaceae
830	<i>Morus nigra</i>	wfo-0000447931	L.	Moraceae
830	<i>Muntingia calabura</i>	wfo-0000451606	L.	Muntingiaceae
830	<i>Musanga cecropioides</i>	wfo-0000374733	R.Br. ex Tedlie	Urticaceae
830	<i>Myristica fragrans</i>	wfo-0000447317	Houtt.	Myristicaceae
830	<i>Myroxylon balsamum</i>	wfo-0000212074	(L.) Harms	Fabaceae
830	<i>Nauclea diderrichii</i>	wfo-0000249515	(De Wild.) Merr.	Rubiaceae
830	<i>Nauclea orientalis</i>	wfo-0000249611	(L.) L.	Rubiaceae
830	<i>Neobalanocarpus heimii</i>	wfo-0001273293	(King) P.S.Ashton	Dipterocarpaceae
830	<i>Neolamarckia cadamba</i>	wfo-0000250146	(Roxb.) Bosser	Rubiaceae
830	<i>Nephelium lappaceum</i>	wfo-0000381268	L.	Sapindaceae
830	<i>Newtonia buchananii</i>	wfo-0000166618	(Baker) G.C.C.Gilbert & Boutiqu	Fabaceae
830	<i>Nothofagus cunninghamii</i>	wfo-0000252121	(Hook.) Oerst.	Nothofagaceae
830	<i>Nypa fruticans</i>	wfo-0000252566	Wurmb	Arecaceae
830	<i>Ochroma pyramidale</i>	wfo-0000390582	(Cav. ex Lam.) Urb.	Malvaceae
830	<i>Ocotea porosa</i>	wfo-0000383291	(Nees & Mart.) Barroso	Lauraceae
830	<i>Ocotea usambarensis</i>	wfo-0001070285	Engl.	Lauraceae
830	<i>Octomeles sumatrana</i>	wfo-0001035317	Miq.	Tetramelaceae
830	<i>Oenocarpus bataua</i>	wfo-0000254536	Mart.	Arecaceae
830	<i>Olea capensis</i>	wfo-0000817299	L.	Oleaceae
830	<i>Opuntia ficus-indica</i>	wfo-0000385761	(L.) Mill.	Cactaceae
830	<i>Palaquium gutta</i>	wfo-0000262560	(Hook.) Baill.	Sapotaceae
830	<i>Pangium edule</i>	wfo-0001246546	Reinw.	Achariaceae
830	<i>Paraserianthes lophantha</i>	wfo-0000184205	(Willd.) I.C.Nielsen	Fabaceae
830	<i>Parinari curatellifolia</i>	wfo-0000817683	Planch. ex Benth.	Chrysobalanaceae
830	<i>Parkia biglobosa</i>	wfo-0000179230	(Jacq.) G.Don	Fabaceae
830	<i>Parkia speciosa</i>	wfo-0000199877	Hassk.	Fabaceae
830	<i>Parkinsonia aculeata</i>	wfo-0000170206	L.	Fabaceae

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830	<i>Paullinia cupana</i>	wfo-0000471124	Kunth	Sapindaceae
830	<i>Paulownia tomentosa</i>	wfo-0000470767	Steud.	Paulowniaceae
830	<i>Peltophorum africanum</i>	wfo-0000194865	Sond.	Fabaceae
830	<i>Peltophorum pterocarpum</i>	wfo-0000178769	(DC.) K.Heyne	Fabaceae
830	<i>Pentaclethra macroloba</i>	wfo-0000168370	(Willd.) Kuntze	Fabaceae
830	<i>Pentaclethra macrophylla</i>	wfo-0000178053	Benth.	Fabaceae
830	<i>Pericopsis elata</i>	wfo-0000212083	(Harms) Meeuwen	Fabaceae
830	<i>Pericopsis mooniana</i>	wfo-0000185594	Thwaites	Fabaceae
830	<i>Phoenix reclinata</i>	wfo-0000269796	Jacq.	Arecaceae
830	<i>Phoenix sylvestris</i>	wfo-0000269807	(L.) Roxb.	Arecaceae
830	<i>Phyllanthus acidus</i>	wfo-0000270405	(L.) Skeels	Phyllanthaceae
830	<i>Phyllanthus emblica</i>	wfo-0000270932	L.	Phyllanthaceae
830	<i>Pimenta dioica</i>	wfo-0000273391	(L.) Merr.	Myrtaceae
830	<i>Pinus ayacahuite</i>	wfo-0000482292	Ehrenb. ex Schltl.	Pinaceae
830	<i>Pinus edulis</i>	wfo-0000481286	Engelm.	Pinaceae
830	<i>Pinus elliottii</i>	wfo-0000481442	Engelm.	Pinaceae
830	<i>Pinus kesiya</i>	wfo-0000481052	Royle ex Gordon	Pinaceae
830	<i>Pinus merkusii</i>	wfo-0000482024	Jungh. & de Vriese	Pinaceae
830	<i>Pinus montezumae</i>	wfo-0000481750	Lamb.	Pinaceae
830	<i>Pinus oocarpa</i>	wfo-0000481733	Schiede	Pinaceae
830	<i>Pinus palustris</i>	wfo-0000481804	Mill.	Pinaceae
830	<i>Pinus patula</i>	wfo-0000481882	Schiede ex Schltl. & Cham.	Pinaceae
830	<i>Pinus pinaster</i>	wfo-0000481910	Aiton	Pinaceae
830	<i>Pinus ponderosa</i>	wfo-0000481903	Douglas ex C.Lawson	Pinaceae
830	<i>Pinus pseudostrobus</i>	wfo-0000481826	Lindl.	Pinaceae
830	<i>Pinus radiata</i>	wfo-0000481837	D.Don	Pinaceae
830	<i>Pinus roxburghii</i>	wfo-0000481557	Sarg.	Pinaceae
830	<i>Pinus strobus</i>	wfo-0000481530	L.	Pinaceae
830	<i>Pinus sylvestris</i>	wfo-0000481648	L.	Pinaceae
830	<i>Pinus taeda</i>	wfo-0000481652	L.	Pinaceae
830	<i>Pinus tecunumanii</i>	wfo-0000481660	F.Schwerdtf. ex Eguiluz & J.P.Perry	Pinaceae
830	<i>Piper methysticum</i>	wfo-0000486456	G.Forst.	Piperaceae
830	<i>Pistacia vera</i>	wfo-0000393766	L.	Anacardiaceae
830	<i>Pittosporum resiniferum</i>	wfo-0000487851	Hemsl.	Pittosporaceae
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830	<i>Pouteria campechiana</i>	wfo-0000281610	(Kunth) Baehni	Sapotaceae
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830	<i>Prosopis alba</i>	wfo-0000211674	Griseb.	Fabaceae
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830	<i>Prunus domestica</i>	wfo-0000984349	L.	Rosaceae
830	<i>Prunus dulcis</i>	wfo-0001005398	(Mill.) D.A.Webb	Rosaceae
830	<i>Prunus persica</i>	wfo-0001005418	(L.) Batsch	Rosaceae
830	<i>Prunus serotina</i>	wfo-0000995988	Ehrh.	Rosaceae
830	<i>Psidium cattleianum</i>	wfo-0000284334	Afzel. ex Sabine	Myrtaceae

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830	<i>Psidium friedrichsthalianum</i>	wfo-0000284404	(O.Berg) Nied.	Myrtaceae
830	<i>Pterocarpus angolensis</i>	wfo-0000172643	DC.	Fabaceae
830	<i>Pterocarpus dalbergioides</i>	wfo-0000185090	DC.	Fabaceae
830	<i>Pterocarpus erinaceus</i>	wfo-0000172693	Poir.	Fabaceae
830	<i>Pterocarpus lucens</i>	wfo-0000172748	Guill. & Perr.	Fabaceae
830	<i>Pterocarpus macrocarpus</i>	wfo-0000194875	Kurz	Fabaceae
830	<i>Pterocarpus marsupium</i>	wfo-0000185089	Roxb.	Fabaceae
830	<i>Pterocarpus officinalis</i>	wfo-0000194876	Jacq.	Fabaceae
830	<i>Pterocarpus santalinus</i>	wfo-0000185973	L.f.	Fabaceae
830	<i>Pterocarpus soyauxii</i>	wfo-0000172858	Taub.	Fabaceae
830	<i>Pterogyne nitens</i>	wfo-0000170614	Tul.	Fabaceae
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830	<i>Punica granatum</i>	wfo-0000468843	L.	Lythraceae
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830	<i>Pyrus communis</i>	wfo-0001015799	L.	Rosaceae
830	<i>Pyrus pyrifolia</i>	wfo-0001014308	(Burm.f.) Nakai	Rosaceae
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830	<i>Quercus alba</i>	wfo-0000289457	L.	Fagaceae
830	<i>Quercus virginiana</i>	wfo-0000293884	Mill.	Fagaceae
830	<i>Rauvolfia caffra</i>	wfo-0000295012	Sond.	Apocynaceae
830	<i>Rauvolfia serpentina</i>	wfo-0000295174	(L.) Benth. ex Kurz	Apocynaceae
830	<i>Rhizophora mangle</i>	wfo-0000460362	L.	Rhizophoraceae
830	<i>Rhizophora mucronata</i>	wfo-0001131556	Lam.	Rhizophoraceae
830	<i>Ricinodendron heudelotii</i>	wfo-0000297055	(Baill.) Heckel	Euphorbiaceae
830	<i>Ricinus communis</i>	wfo-0000297077	L.	Euphorbiaceae
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830	<i>Rollinia mucosa</i>	wfo-0000402417	(Jacq.) Baill.	Annonaceae
830	<i>Roseodendron donnell-smithii</i>	wfo-0000779516	(Rose) Miranda	Bignoniaceae
830	<i>Salvadora persica</i>	wfo-0000492914	L.	Salvadoraceae
830	<i>Sandoricum koetjape</i>	wfo-0000504875	(Burm.f.) Merr.	Meliaceae
830	<i>Santalum album</i>	wfo-0000492946	L.	Santalaceae
830	<i>Santalum spicatum</i>	wfo-0000492979	A.DC.	Santalaceae
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830	<i>Schima wallichii</i>	wfo-0001142186	Choisy	Theaceae
830	<i>Schinus molle</i>	wfo-0000435157	L.	Anacardiaceae
830	<i>Schinziophyton rautanenii</i>	wfo-0000306547	(Schinz) Radcl.-Sm.	Euphorbiaceae
830	<i>Schizolobium parahyba</i>	wfo-0000186738	(Vell.) S.F.Blake	Fabaceae
830	<i>Schleichera oleosa</i>	wfo-0001259282	(Lour.) Merr.	Sapindaceae
830	<i>Sclerocarya birrea</i>	wfo-0000434908	(A.Rich.) Hochst.	Anacardiaceae
830	<i>Senna alata</i>	wfo-0000214728	(L.) Roxb.	Fabaceae
830	<i>Senna auriculata</i>	wfo-0000184148	(L.) Roxb.	Fabaceae
830	<i>Senna septemtrionalis</i>	wfo-0000163813	(Viv.) H.S.Irwin & Barneby	Fabaceae
830	<i>Senna spectabilis</i>	wfo-0000164878	(DC.) H.S.Irwin & Barneby	Fabaceae
830	<i>Sesbania bispinosa</i>	wfo-0000186833	(Jacq.) W.Wight	Fabaceae
830	<i>Sesbania rostrata</i>	wfo-0000178404	Bremek. & Oberm.	Fabaceae
830	<i>Sesbania sesban</i>	wfo-0000178461	(L.) Merr.	Fabaceae
830	<i>Shirakiopsis elliptica</i>	wfo-0000309756	(Hochst.) Esser	Euphorbiaceae
830	<i>Shorea javanica</i>	wfo-0000500566	Koord. & Valeton	Dipterocarpaceae
830	<i>Shorea robusta</i>	wfo-0001046459	Gaertn.	Dipterocarpaceae
830	<i>Simarouba amara</i>	wfo-0000492139	Aubl.	Simaroubaceae
830	<i>Simmondsia chinensis</i>	wfo-0001219023	(Link) C.K.Schneid.	Simmondsiaceae
830	<i>Solanum betaceum</i>	wfo-0001026534	Cav.	Solanaceae
830	<i>Spathodea campanulata</i>	wfo-0000779723	P.Beauvois	Bignoniaceae
830	<i>Spondias dulcis</i>	wfo-0000435462	Parkinson	Anacardiaceae

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830	<i>Spondias purpurea</i>	wfo-0000435489	L.	Anacardiaceae
830	<i>Sterculia apetala</i>	wfo-0000491736	(Jacq.) H.Karst.	Malvaceae
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830	<i>Swietenia mahagoni</i>	wfo-0000505130	(L.) Jacq.	Meliaceae
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830	<i>Syzygium aqueum</i>	wfo-0000318257	(Burm.f.) Alston	Myrtaceae
830	<i>Syzygium aromaticum</i>	wfo-0000318267	(L.) Merr. & L.M.Perry	Myrtaceae
830	<i>Syzygium jambos</i>	wfo-0000318809	(L.) Alston	Myrtaceae
830	<i>Syzygium malaccense</i>	wfo-0000318961	(L.) Merr. & L.M.Perry	Myrtaceae
830	<i>Syzygium samarangense</i>	wfo-0000319382	(Blume) Merr. & L.M.Perry	Myrtaceae
830	<i>Tabebuia rosea</i>	wfo-0000780302	(Bertol.) Bertero ex A.DC.	Bignoniaceae
830	<i>Tamarix aphylla</i>	wfo-0000458771	(L.) H.Karst.	Tamaricaceae
830	<i>Tarchonanthus camphoratus</i>	wfo-0000116602	L.	Asteraceae
830	<i>Taxodium distichum</i>	wfo-0000408602	(L.) Rich.	Cupressaceae
830	<i>Taxus baccata</i>	wfo-0000408637	L.	Taxaceae
830	<i>Tecoma stans</i>	wfo-0000779838	(L.) Juss. ex Kunth	Bignoniaceae
830	<i>Telfairia pedata</i>	wfo-0000408985	(Sm.) Hook.	Cucurbitaceae
830	<i>Tephrosia candida</i>	wfo-0000201856	(Roxb.) DC.	Fabaceae
830	<i>Tephrosia purpurea</i>	wfo-0000203860	(L.) Pers.	Fabaceae
830	<i>Tephrosia vogelii</i>	wfo-0000204544	Hook.f.	Fabaceae
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830	<i>Terminalia brassii</i>	wfo-0000406945	Exell	Combretaceae
830	<i>Terminalia brownii</i>	wfo-0001296425	Fresen.	Combretaceae
830	<i>Terminalia chebula</i>	wfo-0000406875	Retz.	Combretaceae
830	<i>Terminalia ivorensis</i>	wfo-0000408726	A.Chev.	Combretaceae
830	<i>Terminalia superba</i>	wfo-0000408519	Engl. & Diels	Combretaceae
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830	<i>Treculia africana</i>	wfo-0000456573	Decne. ex Trécul	Moraceae
830	<i>Trema orientalis</i>	wfo-0000457758	(L.) Blume	Cannabaceae
830	<i>Trichanthera gigantea</i>	wfo-0000410436	(Humb. & Bonpl.) Nees	Acanthaceae
830	<i>Trichilia emetica</i>	wfo-0000455454	Vahl	Meliaceae
830	<i>Triplochiton scleroxylon</i>	wfo-0000456002	K.Schum.	Malvaceae
830	<i>Ulmus rubra</i>	wfo-0000416800	Muhl.	Ulmaceae
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830	<i>Vernicia fordii</i>	wfo-0000332485	(Hemsl.) Airy Shaw	Euphorbiaceae
830	<i>Vernicia montana</i>	wfo-0000332486	Lour.	Euphorbiaceae
830	<i>Virola koschnyi</i>	wfo-0000418553	Warb.	Myristicaceae
830	<i>Vitex cofassus</i>	wfo-0000333021	Reinw. ex Blume	Lamiaceae
830	<i>Vitex doniana</i>	wfo-0000333061	Sweet	Lamiaceae
830	<i>Vitex negundo</i>	wfo-0000333303	L.	Lamiaceae
830	<i>Vitex parviflora</i>	wfo-0000333342	A.Juss.	Lamiaceae
830	<i>Vochysia guatemalensis</i>	wfo-0001146187	Donn.Sm.	Vochysiaceae

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830	<i>Warburgia salutaris</i>	wfo-0000427579	(G.Bertol.) Chiov.	Canellaceae
830	<i>Warburgia ugandensis</i>	wfo-0000427581	Sprague	Canellaceae
830	<i>Wrightia arborea</i>	wfo-0000334509	(Dennst.) Mabb.	Apocynaceae
830	<i>Ximenia americana</i>	wfo-0000428247	L.	Olacaceae
830	<i>Xylia xylocarpa</i>	wfo-0000172302	(Roxb.) Taub.	Fabaceae
830	<i>Xylopia aethiopica</i>	wfo-0000428869	(Dunal) A.Rich.	Annonaceae
830	<i>Yucca gigantea</i>	wfo-0000752247	Lem.	Asparagaceae
830	<i>Zanthoxylum rhetsa</i>	wfo-0000429347	DC.	Rutaceae

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