

Albizia lebbeck  [简体中文](#) [正體中文](#)

System: Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae

Common name

Synonym *Acacia lebbeck*, (Linnaeus) Willd.
Mimosa lebbeck, L.

Similar species

Summary *Albizia lebbeck* probably originated in tropical Asia and was introduced for forestry or erosion control in many countries. Fast-growing and reaching 18 to 30m in height, it is now naturalised mainly in dry tropical regions and can invade natural and semi-natural environments, as is the case in Mayotte and La Réunion.



[view this species on IUCN Red List](#)

Management Info

Preventative measures: A [Risk Assessment of *Albizia lebbeck*](#) prepared for Australia resulted in a score of 4 and a recommendation of: "the plant requires further evaluation"

A [Risk Assessment of *Albizia lebbeck*](#) for Hawai'i and other Pacific islands was prepared by Dr. Curtis Daehler (UH Botany) with funding from the Kaulunani Urban Forestry Program and US Forest Service. The alien plant screening system is derived from Pheloung *et al.* (1999) with minor modifications for use in Pacific islands (Daehler *et al.* 2004). The result is a score of 7 and a recommendation of: "Likely to cause significant ecological or economic harm in Hawai'i and on other Pacific Islands as determined by a high WRA score, which is based on published sources describing species biology and behaviour in Hawai'i and/or other parts of the world."

Physical: Seedlings and saplings can be pulled out by hand or dug out. It is recommended to cut larger trees and treat the stumps with herbicide

Chemical: Kline & Duquesnel (1996) recommend the following herbicide treatment and application for effective control of *Albizzia lebbeck*:

- Method: Basal / Herbicide: Garlon 4 / Concentration: 10% / Effectiveness: Good
- Method: Cut surface / Herbicide: Garlon 4 / Concentration: 10% / Effectiveness: Moderate
- Method: Cut surface / Herbicide: Garlon 3A / Concentration: 50% / Effectiveness: Moderate

Pathway

Principal source:

Compiler: Comité français de l'IUCN (IUCN French Committee) & IUCN SSC Invasive Species Specialist Group (ISSG)

Review:

Publication date: 2010-09-21

ALIEN RANGE

[1] ANGUILLA
[1] BRITISH INDIAN OCEAN TERRITORY
[1] FRENCH POLYNESIA
[1] NEW CALEDONIA
[1] SAINT LUCIA

[1] BERMUDA
[1] FRENCH GUIANA
[1] MAYOTTE
[1] REUNION

BIBLIOGRAPHY

15 references found for *Albizia lebbek*

Management information

[IUCN/SSC Invasive Species Specialist Group \(ISSG\), 2010. A Compilation of Information Sources for Conservation Managers.](#)

Summary: This compilation of information sources can be sorted on keywords for example: Baits & Lures, Non Target Species, Eradication, Monitoring, Risk Assessment, Weeds, Herbicides etc. This compilation is at present in Excel format, this will be web-enabled as a searchable database shortly. This version of the database has been developed by the IUCN SSC ISSG as part of an Overseas Territories Environmental Programme funded project XOT603 in partnership with the Cayman Islands Government - Department of Environment. The compilation is a work under progress, the ISSG will manage, maintain and enhance the database with current and newly published information, reports, journal articles etc.

Kline, W. N., and J. G. Duquesnel. 1996. *Management of invasive exotic plants with herbicides in Florida*. Down To Earth, Vol. 51, No. 2, 1996.

[Pacific Island Ecosystems at Risk \(PIER\), 2001. Risk Assessment for Australia: *Albizia lebbek*](#)

Summary: Available from: <http://www.hear.org/pier/wra/australia/alleg-wra.htm> [Accessed 5 July 2010]

[Pacific Island Ecosystems at Risk \(PIER\), 2005. Risk Assessment for Hawaii and the Pacific Islands: *Albizia lebbek*](#)

Summary: Available from: http://www.hear.org/pier/wra/pacific/albizia_lebbek_htmlwra.htm [Accessed 5 July 2010]

[Varnham, K. 2006. Non-native species in UK Overseas Territories: a review. JNCC Report 372. Peterborough: United Kingdom.](#)

Summary: This database compiles information on alien species from British Overseas Territories.

Available from: <http://www.jncc.gov.uk/page-3660> [Accessed 10 November 2009]

General information

Barthelat, F. 2005. Note sur les espèces exotiques envahissantes à Mayotte. Direction de l'Agriculture et de la Forêt. 30p

Summary: Tableau synthétique des plantes exotiques de Mayotte classées en fonction de leur niveau d'envahissement.

[CONABIO. 2008. Sistema de información sobre especies invasoras en México. Especies invasoras - Plantas. Comisión Nacional para el Conocimiento y Uso de la Biodiversidad. Fecha de acceso.](#)

Summary: English:

The species list sheet for the Mexican information system on invasive species currently provides information related to Scientific names, family, group and common names, as well as habitat, status of invasion in Mexico, pathways of introduction and links to other specialised websites. Some of the higher risk species already have a direct link to the alert page. It is important to notice that these lists are constantly being updated, please refer to the main page (<http://www.conabio.gob.mx/invasoras/index.php/Portada>), under the section Novedades for information on updates.

Invasive species - Plants is available from: http://www.conabio.gob.mx/invasoras/index.php/Especies_invasoras_-_Plantas [Accessed 30 July 2008]

Spanish:

La lista de especies del Sistema de información sobre especies invasoras de México cuenta actualmente con información acerca de nombre científico, familia, grupo y nombre común, así como como hábitat, estado de la invasión en México, rutas de introducción y ligas a otros sitios especializados. Algunas de las especies de mayor riesgo ya tienen una liga directa a la página de alertas. Es importante resaltar que estas listas se encuentran en constante proceso de actualización, por favor consulte la portada (<http://www.conabio.gob.mx/invasoras/index.php/Portada>), en la sección novedades, para conocer los cambios.

Especies invasoras - Plantas is available from: http://www.conabio.gob.mx/invasoras/index.php/Especies_invasoras_-_Plantas [Accessed 30 July 2008]

[Conservatoire Botanique National De Mascarin \(BOULLET V. coord.\) 2007. - *Albizia lebbek* Index de la flore vasculaire de la Réunion \(Trachophytes\) : statuts, menaces et protections. - Version 2007.1 \(mise à jour 12 juin 2007\). Disponible à <http://flore.cbnm.org>.](#)

Summary: Base de données sur la flore de la Réunion. De nombreuses informations très utiles.

Available from <http://flore.cbnm.org/index2.php?page=taxon&num=38db3aed920cf82ab059bfccbd02be6a> [Accessed on 20 March 2008]

[Florence J. Chevillotte H. Ollier C. & Meyer J.-Y. 2007. *Albizia lebbek* Base de données botaniques Nadeaud de l'Herbier de la Polynésie française \(PAP\).](#)

Summary: Base de données sur le flore de Polynésie Française.

Available from http://www.herbier-tahiti.pf/Selection_Taxonomie.php?id_tax=2467 [Accessed 20 March 2008]

[Gargominy, O., Bouchet, P., Pascal, M., Jaffre, T. and Tourneau, J. C. 1996. Consequences des introductions d'espèces animales et végétales sur la biodiversité en Nouvelle-Calédonie. Rev. Ecol. \(Terre Vie\) 51: 375-401.](#)

Summary: Consequences to the biodiversity of New Caledonia of the introduction of plant and animal species.

[ITIS \(Integrated Taxonomic Information System\), 2008. Online Database *Albizia lebbek* \(L.\) Benth.](#)

Summary: An online database that provides taxonomic information, common names, synonyms and geographical jurisdiction of a species. In addition links are provided to retrieve biological records and collection information from the Global Biodiversity Information Facility (GBIF) Data Portal and bioscience articles from BioOne journals.

Available from: http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=26450 [Accessed 13 March 2008]



GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Albizia lebbbeck*

MacKee, H.S. 1994. Catalogue des plantes introduites et cultivées en Nouvelle-Calédonie, 2nd edn. MNHN, Paris.

Summary: Cet ouvrage liste 1412 taxons (espèces, sous espèces et variétés) introduits en Nouvelle-Calédonie. L'auteur précise dans la majorité des cas si l'espèce est cultivée ou naturalisée.

Meyer, J.-Y. 2000. Invasive plants in the Pacific Islands. In: *The Invasive Species in the Pacific: A Technical Review and Draft Regional Strategy*. Sherley, G. (tech. ed). Published in June 2000 by the South Pacific Regional Environment Programme (SPREP).

Summary: Resource that includes the distribution of invasive species throughout the Pacific Islands.

PIER (Pacific Island Ecosystems at Risk), 2006. *Albizia lebbbeck*

Summary: Available from http://www.hear.org/pier/species/albizia_lebbbeck.htm [Accessed 20 March 2008]

Vos, P. 2004. Case Studies on the Status of Invasive Woody Plant Species in the Western Indian Ocean. 2. The Comoros Archipelago (Union of the Comoros and Mayotte). FAO.

Summary: Article de synthèse sur les espèces ligneuses envahissantes dans l'archipel des Comores et Mayotte et les stratégies de gestion développées localement.

Available from: <http://www.fao.org/forestry/webview/media?mediaId=6556&langId=2> [Accessed 20 March 2008]