GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: ***Albizia lebbeck***

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 recommnded to cut larger trees and treat the stumps with herbicide
Chemical: Kline & Duquesnel (1996) recommend the following herbicide treament 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'UICN (IUCN French Committee) & IUCN SSC Invasive Species Specialist Group (ISSG)

Review:

Pubblication 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 lebbeck**

Managment 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 Flordia*. Down To Earth, Vol. 51, No. 2, 1996.

Pacific Island Ecosystems at Risk (PIER), 2001. Risk Assessment for Australia: *Albizia lebbeck*
Summary: Available from: http://www.hear.org/pier/wra/australia/alleb-wra.htm [Accessed 5 July 2010]

Pacific Island Ecosystems at Risk (PIER), 2005. Risk Assessment for Hawaii and the Pacific Islands: *Albizia lebbeck*
Summary: Available from: http://www.hear.org/pier/wra/pacific/albizia_lebbeck_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 esp&#65533;ces exotiques envahissantes &#65533; Mayotte. Direction de l&#65533;Agriculture et de la For&#65533;t. 30p
Summary: Tableau synth&#65533;tique des plantes exotiques de Mayotte class&#65533;es en fonction de leur niveau d envahissement.

CONABIO. 2008. Sistema de informaci&#65533;n sobre especies invasoras en M&#65533;xico. Especies invasoras - Plantas. Comisi&#65533;n 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 informaci&#65533;n sobre especies invasoras de m&#65533;xico cuenta actualmente con informaci&#65533;n aceca de nombre cient&#65533;fico, familia, grupo y nombre com&#65533;n, as&#65533; como h&#65533;bitat, estado de la invasi&#65533;n en M&#65533;xico, rutas de introducci&#65533;n y ligas a otros sitios especializados. Algunas de las especies de mayor riesgo ya tienen una liga directa a la p&#65533;gina de alertas. Es importante resaltar que estas listas se encuentran en constante proceso de actualizaci&#65533;n, por favor consulte la portada (http://www.conabio.gob.mx/invasoras/index.php/Portada), en la secci&#65533;n 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 lebbeck* Index de la flore vasculaire de la R&#65533;union (Trach&#65533;ophytes) : statuts, menaces et protections. - Version 2007.1 (mise &#65533; jour 12 juin 2007). Disponible &#65533; http://flore.cbnm.org .
Summary: Base de donn&#65533;es sur la flore de la R&#65533;union. De nombreuses informations tr&#65533;s 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 lebbeck* Base de donn&#65533;es botaniques Nadeaud de l Herbier de la Polyn&#65533;sie fran&#65533;aise (PAP).
Summary: Base de donn&#65533;es sur le flore de Polyn&#65533;sie Fran&#65533;aise.
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 Tourneu, J. C. 1996. Consequences des introductions d'especes animals et vegetales sur la biodiversite en Nouvelle-Caledonie. 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 lebbeck* (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]

MacKee, H.S. 1994. Catalogue des plantes introduites et cultiv&#65533;es en Nouvelle-Cal&#65533;donie, 2nd edn. MNHN, Paris.
Summary: Cet ouvrage liste 1412 taxons (esp&#65533;ces, sous esp&#65533;ces et vari&#65533;t&#65533;s) introduits en Nouvelle-Cal&#65533;donie. L auteur pr&#65533;cise dans la majorit&#65533; des cas si l esp&#65533;ce est cultiv&#65533;e ou naturalis&#65533;e.
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 lebbeck*
Summary: Available from http://www.hear.org/pier/species/albizia_lebbeck.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 synth&#65533;se sur les esp&#65533;ces ligneuses envahissantes dans l archipel des Comores et &#65533; Mayotte et les strat&#65533;gies de gestion d&#65533;velopp&#65533;es localement.
Available from: http://www.fao.org/forestry/webview/media?mediaId=6556&langId=2 [Accessed 20 March 2008]