GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: ***Acacia nilotica***

Acacia nilotica 简体中文 正體中文 **System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Magnoliopsida	Fabales	Fabaceae

Common name

Synonym *Acacia arabica* , (Lam.) Willd.
Mimosa nilotica , L.

Similar species

Summary Acacia nilotica is a small tree 4 to 5 metres tall that was initially introduced to tropical areas for shading and forage. It forms dense stands that limit access to water for livestock, diminish the quality of pasture and compete with native plants.

view this species on IUCN Red List

Principal source:

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

Review:

Pubblication date: 2005-04-08

ALIEN RANGE

[1] ANGUILLA
[1] FRENCH POLYNESIA
[1] MARTINIQUE
[1] WALLIS AND FUTUNA
[1] ECUADOR
[1] GUADELOUPE
[1] NEW CALEDONIA

BIBLIOGRAPHY

26 references found for **Acacia nilotica**

Managment information
Agriculture & Resource Management Council of Australia & New Zealand, Australian & New Zealand Environment & Conservation Council and Forestry Ministers, 2000. Weeds of National Significance Prickly Acacia (*Acacia nilotica*) Strategic Plan. National Weeds Strategy Executive Committee, Launceston.
Summary: Available from: http://www.weeds.org.au/docs/pastrat.pdf [Accessed April 10 2011]
Australian Government Departments of Agriculture, Fisheries and Forestry and Sustainability, 2009. Prickly acacia (*Acacia nilotica*) weed management guide.
Summary: Available from: http://www.weeds.gov.au/publications/guidelines/wons/a-nilotica.html [Accessed April 10 2011]
Gardener, Mark R.; Atkinson, Rachel; Renteria, Jorge Luis. 2010. Eradications and People: Lessons from the Plant Eradication Program in Galapagos . Restoration Ecology. 18(1). JAN 2010. 20-29.
Jarvis, P. J.; Fowler, S. V.; Paynter, Q.; Syrett, P., 2006. Predicting the economic benefits and costs of introducing new biological control agents for Scotch broom *Cytisus scoparius* into New Zealand . Biological Control. 39(2). NOV 2006. 135-146.
Kriticos, Darren; Brown, Joel; Radford, Ian; Nicholas, Mike, 1999. Plant population ecology and biological control: *Acacia nilotica* as a case study. Biological Control. 16(2). Oct., 1999. 230-239.

Kriticos, Darren J.; Brown, Joel R.; Maywald, Gunter F.; Radford, Ian D.; Nicholas, D. Mike; Sutherst, Robert W.; Adkins, Steve W., 2003. SPAnDX: A process-based population dynamics model to explore management and climate change impacts on an invasive alien plant, *Acacia nilotica*. Ecological Modelling. 163(3). 15 May, 2003. 187-208.
Kriticos, D. J.; Sutherst, R. W.; Brown, J. R.; Adkins, S. W.; Maywald, G. F., 2003. Climate change and the potential distribution of an invasive alien plant: *Acacia nilotica* ssp. *indica* in Australia. Journal of Applied Ecology. 40(1). February 2003. 111-124.
Kueffer, C. and Mauremootoo, J., 2004. Case Studies on the Status of Invasive Woody Plant Species in the Western Indian Ocean. 3. Mauritius (Islands of Mauritius and Rodrigues). Forest Health & Biosecurity Working Papers FBS/4-3E. Forestry Department, Food and Agriculture Organization of the United Nations, Rome, Italy.
Lawes, Roger A.; Wallace, Jeremy F., 2008. Monitoring an invasive perennial at the landscape scale with remote sensing . Ecological Management & Restoration. 9(1). APR 2008. 53-59.
Mack, Richard N., 2003. Phylogenetic constraint, absent life forms, and preadapted alien plants: A prescription for biological invasions. International Journal of Plant Sciences. 164 (3 Supplement). May 2003. S185-S196.
Natural Heritage Trust, 2003. Weed Management Guide Prickly acacia (*Acacia nilotica*) Weed of National Significance
Summary: Available from: http://www.weeds.gov.au/publications/guidelines/wons/pubs/a-nilotica.pdf [Accessed April 10 2011]
Radford, Ian J.; Nicholas, D. Michael; Brown, Joel R.; Kriticos, Darren J., 2001. Paddock-scale patterns of seed production and dispersal in the invasive shrub *Acacia nilotica* (Mimosaceae) in northern Australian rangelands. Austral Ecology. 26(4). August, 2001. 338-348.
Radford, Ian J.; Nicholas, D. Mike; Brown, Joel R., 2001. Assessment of the biological control impact of seed predators on the invasive shrub *Acacia nilotica* (Prickly Acacia) in Australia . Biological Control. 20(3). March, 2001. 261-268.
Renter�a, Jorge Luis; Rachel Atkinson, Ana Mireya Guerrero, Johanna Mader 2006. Manual de Identification y Manejo de Malezas en las Islas Gal�pagos. Segunda edici�n, Fundaci�n Charles Darwin, Santa Cruz, Gal�pagos, Ecuador.
Summary: An illustrated guide providing practical information for the effective control of the worst invasive plant species in Galapagos. Designed for farmers and other land managers, it describes manual and chemical control methods. It also includes 8 species that are potential problems for Galapagos. Language: Spanish
Una gu�a con ilustraciones que provee informaci�n para el control efectivo de las peores plantas invasoras en Gal�pagos. Esta dise�ada para los agricultores y personas involucradas en conservaci�n. De una forma clara y simple se describe los m�todos de control manuales y qu�micos; tambi�n incluye 8 especies que potencialmente podr�an ser un problema para Gal�pagos. Lenguaje: Espa�ol.
Renter�a, Jorge Luis; Rachel Atkinson & Chris Buddenhagen., 2007. Estrategias para la erradicaci�n de 21 especies de plantas. Fundaci�n Charles Darwin, Departamento de Bot�nica. Programa de Especies Invasoras en Gal�pagos potencialmente invasoras en Gal�pagos.
Summary: This document comprises costed eradication plans for 21 invasive species in Galapagos. The plans were developed as part of a GEF funded project ECU/00/G31 "Control of Invasive species in the Galapagos Archipelago". The management plans report projects at different stages of development and for species that have invaded to different extents. Three of the projects have already been finished successfully, 5 have yet to be started, and for the rest the projects have been running for between 1 and 6 years. The cost and time needed for eradication varies considerably by species and demonstrates the importance of species eradication as soon as possible after detection
Resumen
El presente documento proporciona planes de manejo y el costo para la erradicaci�n de 21 especies que se encuentran presentes en Gal�pagos. Los planes fueron desarrollados como parte del proyecto ECU/00/G31 Control de las especies invasoras en el Archipi�lago de las Gal�pagos , suscrito por el Gobierno Ecuatoriano, representado por el Ministerio del Ambiente, con el Fondo para el Medio Ambiente Mundial (GEF). El Proyecto es implementado por el Programa de las Naciones Unidas para el Desarrollo (UNDP), tiene como instituciones ejecutoras al Servicio Parque Nacional Gal�pagos (SPNG), Instituto Nacional Gal�pagos (INGALA), Servicio Ecuatoriano de Sanidad Agropecuaria-Gal�pagos (SESA-Gal�pagos), y Fundaci�n Charles Darwin (FCD). Los planes de manejo representan proyectos en diferentes estados de desarrollo y dimensi�n. Tres de estos proyectos ya han sido desarrollados completamente, trece est�n en proceso y cinco a�n no se han iniciado. El costo y tiempo para la erradicaci�n varia considerablemente seg�n la especie y se muestra la importancia econ�mica que implica desarrollar proyectos de erradicaci�n tan pronto las especies son detectadas.
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]
Witt A. B. R 2004. *Aceria liopeltus* Meyer (Acari: Eriophyidae) and *Asterolecanium conspicuum* Brain (Herniptera: Asterolecaniidae), two potential biological control agents for *Acacia nilotica* ssp. *indica* (Mimosaceae) in Queensland, Australia. African Entomology 12, 142-6.

General information

Centre des ressources biologiques. Plantes tropicales. INRA-CIRAD. 2007.
Summary: Available from: http://collections.antilles.inra.fr/ [Accessed 31 March 2008]
Florence J., Chevillotte H., Ollier C. & Meyer J.-Y. 2007. *Acacia nilotica* Base de donn�es botaniques Nadeaud de l Herbier de la Polyn�sie fran�aise (PAP).
Summary: Base de donn�es sur le flore de Polyn�sie Fran�aise.
Available from: http://www.herbier-tahiti.pf/Selection_Taxonomie.php?id_tax=2496 [Accessed 26 March 2008]
Fournet, J. 2002. Flore illustr�e des phan�rogames de guadeloupe et de Martinique. CIRAD-Gondwana editions.
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 *Acacia nilotica* (L.) Willd. ex Delile
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=182086 [Accessed 13 March 2008]
Kairo, Moses; Bibi Ali; Oliver Cheesman; Karen Haysom and Sean Murphy, 2003. Invasive Species Threats in the Caribbean Region. Report to The Nature Conservancy.

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, Jean-Yves & Loope, Lloyd & Sheppard, A. & Munzinger, Jérôme & Jaffré, Tanguy. (2006). Les plantes envahissantes et potentiellement envahissantes dans l'archipel néo-calédonien : première évaluation et recommandantions de gestion.
PIER (Pacific Island Ecosystems at Risk), 2006. *Acacia nilotica*.
Summary: Available from: http://www.hear.org/Pier/species/acacia_nilotica.htm [Accessed 26 March 2008]