GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: ***Elaeis guineensis***

Elaeis guineensis 简体中文 正體中文 **System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Liliopsida	Arecales	Arecaceae

Common name palmeira-dendê (Portuguese, Brazil), nu tamara (English, Cook Islands, (Mangaia)), apwiraiasi (English, Pohnpei), African oil palm (English), palmier à huile d'Afrique (French), dendê (Portuguese, Brazil)

Synonym *Elaeis melanococca* , J. Gaertn.

Similar species *Elaeis spp.*

Summary Elaeis guineensis is native to the west African coast from Liberia to Angola. It has been introduced to many islands in the Pacific and to South America at the time of slavery. It is widely cultivated for the oil products obtained from its fruit and seed. However it is now showing potential of being invasive from cultivation in some dry areas of the Pacific and has become very invasive in remnants of Atlantic Forest in Bahia state, Northeast Brazil.

view this species on IUCN Red List

Species Description
\"Trunk stout, solitary, covered by the persistent leaf-bases above, bare below, dark gray-brown and ringed. Leaves large, pinnate, the lower segments as spines on the petiole margin; segments many, irregularly divergent, somewhat fascicled in 4's or 5's; inflorescence large, headlike, with spinose tipped branches borne close to the trunk, among the leaves\" (Stone, 1970. In PIER, 2003).

Lifecycle Stages
First fruits 3-4 years after planting in the field. Bunches ripen 5-6 months after pollination. Seeds normally require temperatures in excess of 35 degrees to germinate. (Duke, 1983)

Uses
Cultivated for oil from the fruits - palm oil and palm kernal oil. The oils are used variously in manufacturing and foodstuff production.*E. guineenesis* is also often used as a source of Vitamin's A and B in developing countries (Duke, 1983)

Habitat Description
In its native range it occurs wild in riverine forests or in freshwater swamps (Duke, 1983). It cannot thrive in primeval forests and does not regenerate in high secondary forests. Prefers volcanic soils, coastal alluvials and acidic sands (Duke, 1983).

Reproduction
Seeds, (PIER, 2003).

Nutrition
The African oil palm requires fertile and well drained soils (León, 2000).

Management Info
Physical. The trees are cut down, (PIER, 2003). The palm however, resprouts after cutting, so there has to be complementary chemical control (Ziller, S., pers.comm., 2004).

Pathway
Sometimes grown as an ornamental, as in southern Florida. (Duke, 1983)Introduced and cultivated throughout the tropics. (Duke, 1983)

Principal source: Pacific Islands Ecosystems at Risk, (PIER)

Compiler: IUCN/SSC Invasive Species Specialist Group (ISSG)

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ALIEN RANGE

[3] BRAZIL
[3] FRENCH POLYNESIA
[1] GUAM
[1] MAYOTTE
[1] NEW CALEDONIA
[2] PALAU
[1] TANZANIA, UNITED REPUBLIC OF
[1] COOK ISLANDS
[1] GUADELOUPE
[1] MADAGASCAR
[2] MICRONESIA, FEDERATED STATES OF
[1] NIUE
[1] SOLOMON ISLANDS
[2] UNITED STATES

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Summary: Description, habitat, distribution and botanical information.
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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.cbif.gc.ca/pls/itisca/taxastep?king=every&p_action=containing&taxa=Elaeis+guineensis&p_format=&p_ifx=plglt&p_lang= [Accessed December 31 2004]
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Summary: Description, habitat, distribution and botanical information.

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.
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