

◆ Industry and NEEM



A collection of neem industrial Products

Apart from its local uses, neem is a raw material in the manufacture of soap, pesticides, insecticides, cosmetics, tooth paste, fertilizers, lubricants, human and animal drugs and other products.

◆ Neem as an income earner



Women selling neem oil and seeds in a market

Neem can bring direct income to those growing it e.g. a farming household with about ten Neem trees can earn about Ushs. 2millions annually from the sale of seeds and other products. Neem also creates employment through cottage industries such as Neem oil extraction, which can be done at the farm.

For more information contact UGANEEM.

What is UGANEEM?

The Uganda Neem Movement (UGANEEM) is an NGO founded in 1998 by professionals in the fields of forestry, agriculture, medicine, environment and other sectors.

Objectives of UGANEEM

The overall objective is to provide technical support and guidance to the neem growers, users, processors and other stakeholders in collaboration with government and other actors in the promotion of the neem tree.

To achieve this objective, UGANEEM runs four programmes namely information and extension, research, management and marketing.

What can you benefit from UGANEEM?

Neem information, Neem materials (e.g seeds, seedlings, neem products, literature on propagation processing and usage) and neem business contacts.

You can join in the neem promotion!

Learn about the neem tree, grow the neem tree, use the neem tree, distribute neem products, tell other people about the neem tree, support neem promotion efforts. Be a member of the Uganda Neem Movement (UGANEEM)! Membership is open to all people and organisations

Collaboration and partnership:

UGANEEM has established linkages with several organizations that have interest in the neem tree and its products. So far there is collaboration with The World Bank Mission in Uganda, NEMA, Forestry Secretariat, Min. of Health, Min. of Agric. ACORD, Forestry Department, Enviro- Consult-2000, ICIPE (Kenya), Kenya Neem Foundation and many others. UGANEEM is inviting all people and organizations to become members, collaborators or supporters in the promotion of this miraculous tree

Contact address.

For more information contact:

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**PUBLISHED BY UGANEEM AND CO-FUNDED BY
THE WORLD BANK**

NEEM

The Tree Of The Millennium



Plant **NEEM** in the "MILLENNIUM
TREE PLANTING CAMPAIGN", launched by
President Museveni



JUNE, 2000

T WORLD

The **NEEM** tree will solve many of your problems!

The neem tree

Also known as *Azadirachta indica* and a member of the mahogany family meliaceae, the neem tree is a native of India, South East Asia. It is a medium to large sized fastgrowing tree with an attractive canopy. It branches heavily and it starts bearing small sweet scented fruits at 2-5 years, attaining maximum productivity at 10-12 years when it can yield 30-100kg of fruit annually. It lives up to 300 years.

Where does neem grow?

Neem is known to grow almost anywhere within temperature range of 4°C - 44°C and at altitudes below 1850m above sea level. It can survive in dry areas with as low as 150mm of rain per year. Neem prefers deep, permeable, well-drained sandy soils but can endure barren, dry, stony, shallow, highly degraded and leached soils where it can eventually turn them into productive ones. However, neem does not tolerate water logged and poor drained clay soils.

How is Neem grown?



Seeds



Mature tree



Nursery Beds

Neem is grown from seed and vegetatively from seedlings, wildings, saplings, root suckers, tissue culture or coppices. It is however commonly grown from seed, either sown directly or using nursery seedlings. Neem seeds tend to lose viability very quickly and should therefore be sown within one month of ripening unless kept under refrigeration conditions by technical people.

USES OF NEEM

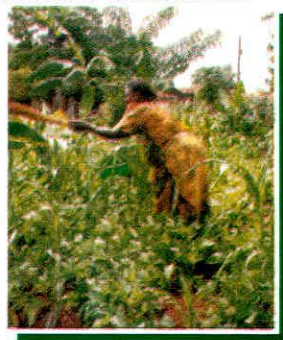
◆ Medicine and neem

Almost all parts of the neem tree can be used as human and veterinary medicine. Neem extracts made locally can cure many diseases including malaria, diarrhoea, worms, dysentery, cancer, high blood pressure, skin diseases, stomach ulcers, venereal diseases, wounds, snakebites, measles, teeth decay and others. Neem extracts can also repel mosquitoes. Neem is also used in antiseptics, antimicrobial, antiviral, antibacterial, antifungal etc.



Leg of a 9-year girl saved from amputation by neem oil

◆ Agriculture and neem

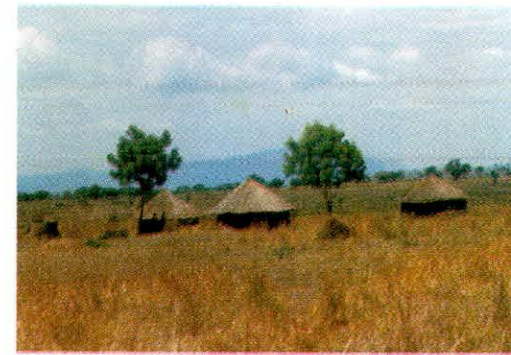


Farmer applying neem cake extract to control maize borers and aphids in beans

Neem has remarkable agricultural application in pest and disease control having been found to control about 400 - 500 species of troublesome insects including termites (certain species) aphids, leafhoppers, coffee bug, tobacco caterpillar, cabbage hopper, rice and banana weevils, army worms, potato beetle, fruit flies, wood borers, grain borers etc. Neem however does not kill useful insects like bees. Neem is also capable of restoring soil fertility in degraded soils by its easily decomposable leaf litter. Neem cake is actually used in the manufacture of the highly regarded organic, non-toxic fertilizers.

Neem is also a fodder for livestock and is suitable for bee keeping.

◆ Environment and neem



Neem surviving long drought

Neem plays a big role in environment management. Its high carbon and sulphur intake makes it suitable for pollution control and carbon sequestration. It reduces temperatures, provides food and shelter for wildlife, good in landscaping, soil erosion control and soil rehabilitation as well as bio-diversity conservation.

◆ Forestry and neem



Neem plantation in Northern Uganda

The neem tree is a fantastic forest crop which is slowly but surely replacing the traditional timber and firewood trees like Eucalyptus. Its timber is of the mahogany quality and is termite resistant thus suitable for fencing poles. It is also not easily attacked by wood borers. Neem grows quickly and has high-energy firewood and charcoal. Its many branches can be cut for firewood and charcoal and then allowed to coppice.

◆ Energy and neem

Apart from firewood and charcoal, neem is a source of useful fuels. Its oil (from seeds) is burnt in lumps like kerosene. It is also used in the industrial manufacture of aviation oil and other lubricating oils.