



# KYC

know your campus  
Issue 5 15-04-2020

## About the initiative

**The New Forest** - the IFS training campus - an area which houses the FRI and its sister institutions including the Indira Gandhi National Forest Academy (IGNFA) is also home to a rich biodiversity. These flora and fauna become a part of our neighbourhood while we are at the campus. The campus is also adorned with heritage buildings, museums, nurseries and a beautiful landscape.

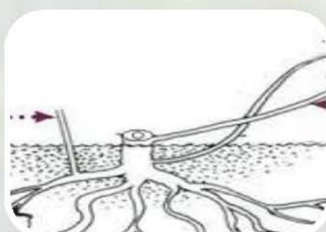
This initiative is aimed at making us more familiar with our neighbourhood.

The KYC (Know your Campus) initiative started by the IFS 2019 batch in this lockdown period shall come out with a campus related topic each day.

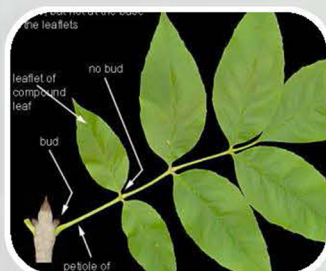


**NEEM**  
—THE VILLAGE PHARMACY—

## Let's Recall



Root Sucker- small tree sprouts that grow upward from tree root systems



Compound leaf - Bud is found at the base of petiole not at the base of leaflet.

- Scientific Name : *Azadirachta indica*
- Nature : **Evergreen tree** but they do drop leaves during periods of extreme drought.
- Habitat- grows **naturally in India & Sri Lanka**. It has been introduced to parts of Africa, the Caribbean, and numerous counties in South and Central America. The plant is **hardy and resilient** and grows well in poor, rocky soils but **cannot survive freezing temperatures or being waterlogged**. You can easily locate it in **Botanical garden of FRI campus**.
- Height - 15 to 20 meter though can reach up to 30-40 meters
- Crown - branches spread to form **round crown**. It is an **excellent shading tree**.





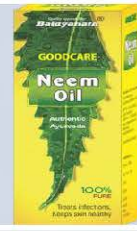


#### **Thick furrowed Bark.**

The bark is used for malaria, stomach and intestinal ulcers, skin diseases, pain, and fever.



**Neem twig** is what people used as a **make-do toothbrush**. It fights germs, **maintains the alkaline levels in your saliva**, keeps bacteria at bay, treats swollen gums and also gives you whiter teeth.



**Neem oil** that's extracted from neem seeds is rich in medicinal properties what makes it a **great ingredient in cosmetics and other beauty products**: soaps, hair oil, hand wash, soap etc.



Flowers - small **white flowers** which unlike other parts of the tree are **sweet in taste**.

**Flowering season: April - May**

Also known as **Vepampoo in Tamil**, these flowers can be used fresh, dried or in a powdered form. **They're used commonly in the South to cook a number of dishes**: flower rice, pachadi, rasam, lentils and more. Flowers **bisexual or staminate (male) borne in clusters in the axils of the leaves**



Fruits - yellow-green fruit varies in shape from elongate oval to nearly roundish Producing sweet-flavoured pulp.

Fruiting time: June to August



Leaves- compound leaves evergreen but do drop during periods of extreme drought .



Planting method- Usually grown from **seed** but can be propagated from cuttings or **root suckers**





Neem-based pesticides generally have **low toxicity** for mammals and are **common in organic farming applications**.



Neem leaves have **anti-bacterial properties** which is why it works wonders on infections, burns and any kind of skin problems (such as acne, psoriasis, and athlete's foot)

Long been used as a **traditional treatment for diabetes**, and there is some clinical evidence suggesting that it may **help control blood sugar levels**



The primary active insecticidal ingredient, **azadirachtin**, works to **disrupt the hormones involved with insect molting**, preventing larvae from developing properly into adults, and is a feeding inhibitor. Also it can kill soft-bodied insects on contact and decreases mating and reproductive behaviours, reducing pest fecundity

So Oil extracted from the seeds can be used directly as an ***insect and mite repellent, insecticide, and fungicide***

## WARNING

Neem oil and neem bark and leaves are **unsafe for consumption by pregnant women** and can cause miscarriage

On snake bite, consult a doctor and don't chew Neem leaves.

When neem is taken in large doses or for long periods of time, it is POSSIBLY UNSAFE. It might harm the kidneys and liver.

**This hardy and indigenous tree is a package of great benefits and utilities. Thus next time we come across this tree let's not forget to render our gratitude towards it**

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