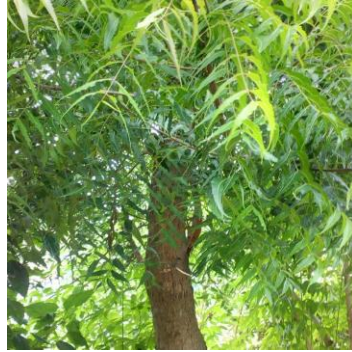


## NEEM

**Common name:** Neem **Native:** India



### **Soil type:**

- Black cotton soil
- Neem tree will grow in all regions

**Flowering season:** April – May (But the flowering season varies from place to place)

**Seed collection:** June to August

**Fruiting time:** A matured tree can yield up to 5 Kg of seeds (Starts from the 5th year)

**No of Seeds / Kg:** 3500-4000/Kg

**Germination:** Starts from 2-3 months (90%)

**Seed storage:** 6 months (Store in a shaded place)

### **Nursery**

- Seedlings emerge after 7 days from the date of sowing in the mother bed

**Plot bag size:** 16 x 20 cm

**Fertilizer application:** Vermicompost 35 gm, Azhospirillum, and Phospobacteria 6 gm to mix well to be applied in the nursery

**Planting technique:** Six months old seedlings are preferred for the successful establishment of a plantation

**Pit size:** 1 x 1 x 1 m (Length, width and depth)

**Fertilizer application:** 50 gm of VAM fertilizer, 20 gm of Azhospirillum, and Phospobacteria to be applied regularly.

**Pruning and Training:**

- Prune neem trees during the early stages to encourage a strong and well-branched structure.
- Remove dead or diseased branches regularly.

**Pest and Disease Management:**

- Neem trees are known for their natural pest-repelling properties.
- Neem oil, extracted from the seeds, is an effective organic pesticide against a wide range of pests.
- Regularly inspect the tree for signs of diseases and take prompt action.

**Yield:** 5 – 10 kg of seeds per tree from fifth year onwards. After the tenth year yield will be increased to 10 – 15 kg per tree.

**Uses of Neem:**

- **Medicinal Purposes:** Neem is renowned for its medicinal properties. It is used in traditional medicine to treat various ailments, including skin disorders, diabetes, and infections.
- **Agricultural Applications:** Neem oil acts as an excellent biopesticide and organic fertilizer, promoting plant growth and protecting crops from pests.
- **Cosmetic and Personal Care:** Neem oil is a key ingredient in soaps, shampoos, and skin care products due to its skin-nourishing and anti-bacterial properties.

\*(The yield will be varied based on edaphic, climatic factors and management practices)