



## MANGO

(*Mangifera indica*)

Mango is an edible stone fruit produced by the tropical tree *Mangifera indica*. Mango is a nutritious fruit loaded with healthy nutrients that can help support your skin and overall health. Rich in vitamin A, vitamin C, and antioxidants.

**Origin :** India.

**Distribution :** *M. indica* has been cultivated in South and Southeast Asia.



### DESCRIPTION

#### TREE

Mango, is an evergreen tree in the family Anacardiaceae grown for its edible fruit. The mango tree is erect and branching with a thick trunk and broad, rounded canopy.



#### FLOWER

The tree produces dense clusters of flowers with cream petals on branched panicles.

#### FRUIT

The mango fruit is roughly oval in shape, with uneven sides. The fruit is a drupe, with an outer flesh surrounding a stone. The flesh is soft and bright yellow-orange in color. The skin of the fruit is yellow-green to red.





## VARIETIES

Kolomb, Kotturkonam, Chakkara, Kalluketty, Priyoor, Moovandan, Kalapady, Karpooram, Mallika, Kossery, Chinkiri, olur, Nambiyar, Chandrakaran, All Season Mango

## PLANTING CARE

**Planting material :** vegetative propagation.

**Planting method :** Raised bed/ Trench farming or terrace farming (Slopes).

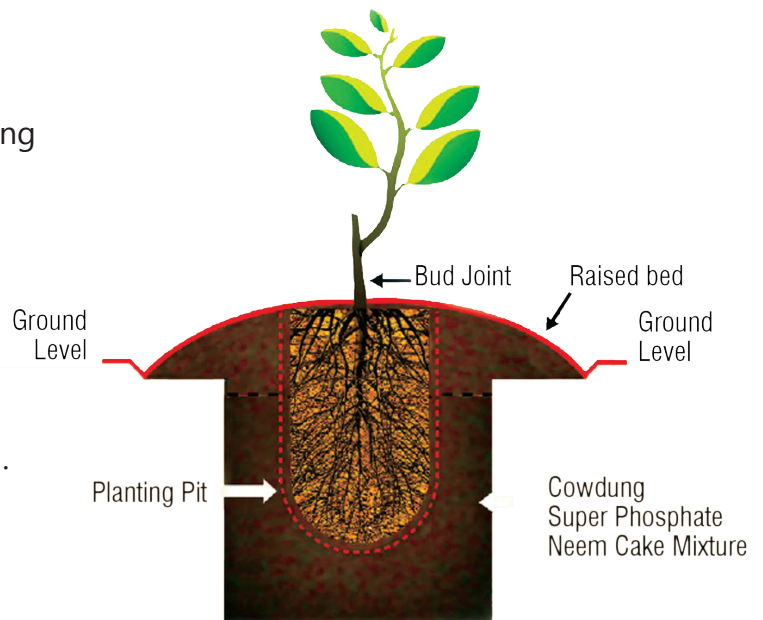
**Pit size :** 3x3x3 ft.

**Canopy width :** 25 ft.

**Canopy height :** 25 ft.

**Season :** Erratic flowering/ induced flowering.

**Ideal location :** Plains and highlands.



1x1 Meter Square pit for Planting

## IDEAL GROWING CONDITIONS

- ❖ Sunlight requirement : full sunlight
- ❖ Temperature : 22-38°C
- ❖ Rainfall : 1500 - 2000mm.
- ❖ Relative humidity : 60-70%
- ❖ Planting space : 25 x25 ft.
- ❖ Soil type : well drained sandy loam and laterite soil.
- ❖ Elevation : 0 to 2000ft MSL.
- ❖ pH : 5.5 to 6.5
- ❖ Pruning : yes
- ❖ Training : yes
- ❖ Pollination : self pollinated.
- ❖ Scope of value addition : Pickle, juice, jelly





## NUTRITION MANAGEMENT

Inputs	1st year	2nd year	3rd year	Frequency/stage
NPK	100g	200g	300g	2 split doses
Composted cattle manure	5 kg	8 kg	10 kg	2 split doses
Micronutrients	10g	15g	20g	twice a year
Dolomite	150g	200g	250g	before monsoon

## WATER REQUIREMENT

Age of the tree	Quantity of water/Tree/Day
1 Years	10 Liters
2 Years	15 Liters
3 Years	20 Liters



## PEST AND DISEASES

- Fruit fly attack** : Pheromone traps, Fruit bagging.
- Mealybug** : Spray Verticillium lecanii 5 ml/l.
- Dieback** : Spray Copper oxychloride 3g/l.



Document Prepared by

Research and Development department  
Homegrown Biotech  
Ph: +91 9562066333