



JACK FRUIT

(*Artocarpus heterophyllus*)

Jackfruit is also known as the poor man's food in the Eastern and Southern part of India. It is a rich source of vitamin 'A', 'C' and minerals.

Origin : Western Ghats of India and common in Asia, Africa, and some regions in South America

Distribution : Burma, Ceylon, Southern China, Malaya, and the East Indies, Philippines

DESCRIPTION

TREE

Bark rough to somewhat scaly, dark grey to greyish-brown. Crown dense, conical in young and shaded trees, becoming rounded or spreading in the older tree. New shoots, twigs, and leaves are usually glabrous but occasionally short-haired and scabrid.



FLOWER

The small unisexual flowers are borne on dense inflorescences that emerge directly from the trunk and branches.



FRUIT

The ripe fruit is sweet (depending on variety) and is more often used for desserts. Canned green jackfruit has a mild taste and meat-like texture that lends itself to being called a "vegetable meat".

VARIETIES

J33, Chunkapura soft, Sindoor, Seedfree Jack, Gumless, Pathamuttam Jack, Cambodian Orange Jack, Jack Daeng Suriya, Red Moon Jack.





PLANTING CARE

Planting material : Budded Plants.

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

Pit size : 3x3x3 ft.

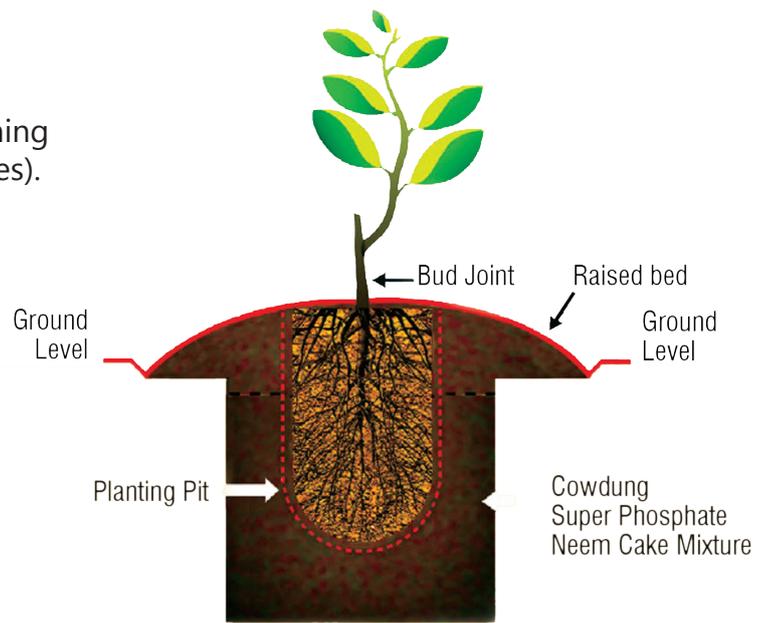
Canopy width : 25 ft.

Canopy height : 30 ft.

Planting space : 25 x25 ft.

Season : January-February to May-June.

Ideal location : Plains and highlands



1x1 Meter Square pit for Planting



IDEAL GROWING CONDITIONS

- ❖ Temperature : 22-38°C
- ❖ Rainfall : 1500-2000 mm.
- ❖ Relative humidity : 60-70% RH.
- ❖ Soil type : well- sandy loam and laterite soil.
- ❖ Elevation : 10 to 900 m AMSL.
- ❖ Sunlight requirement : full sunlight.
- ❖ pH : 5.5 to 6.5
- ❖ Pruning : yes.
- ❖ Training : yes.
- ❖ Pollination : self pollinated.
- ❖ Scope of value addition : Chips, Halwa, Pickle.



NUTRITION MANAGEMENT

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

WATER REQUIREMENT

Age of the tree	Quantity of water/Tree/Day
1 Years	5 Liters
2 Years	10 Liters
3 Years	15 Liters



PEST AND DISEASES

- Fruit fly attack** : Fruit bagging, Use of pheromone traps
- Wilt** : Drench copper oxychloride or Kocide 3g/l



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