



KUTTYADI (*Cocos nucifera*)

The coconut palm, *Cocos nucifera* L., is a multi-purpose palm grown widely in the humid tropics and in India it is referred to as 'Kalpavriksha' considering that it provides all necessities of life. Coconut provides nutritious food and refreshing drink, oil for edible and non-edible uses, fibre of commercial value, shell for fuel and industrial uses, timbe and a variety of miscellaneous products for use as domestic fuel.

Origin: Kuttiyadi, a place which is situated 30 kilometers from the city of Calicut (Kozhikode)

DESCRIPTION

TREE

Tall palms grow to a height of 50 – 70 ft, have a sturdy stem, commence flowering 5-6 years after planting and continue bearing up to the age of 80-100 years.



FRUIT

The coconut fruit hangs at the bases of the leaves in clusters of about 10 to 15. Several clusters ripen during the year. A tree may produce 200 coconuts a year.





PLANTING CARE

Planting material : seedlings

Planting method : raised bed

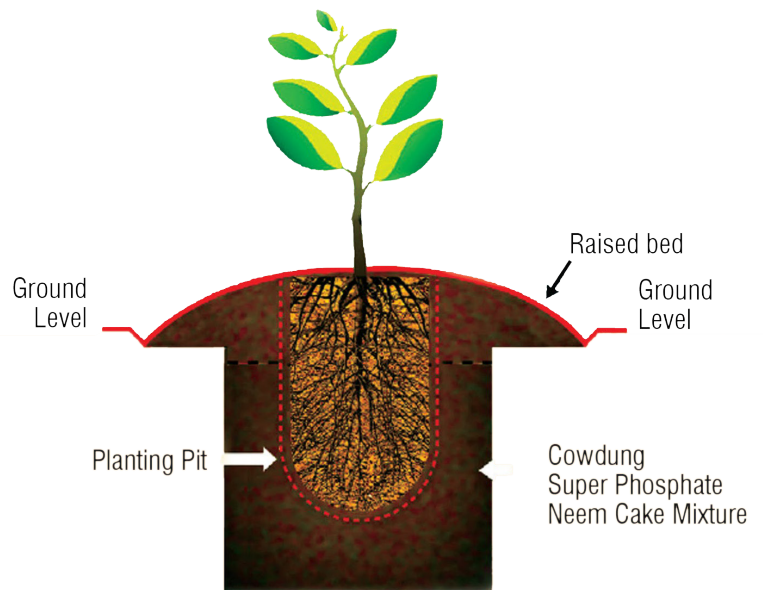
Pit size : 3x 3x3 ft

Canopy width : 20ft

Canopy height : 60-80 ft

Season : more than one season

Ideal location : low land plains and high gradient slopes



1x1x1 Meter Square pit for Planting

IDEAL GROWING CONDITIONS

- ❖ Sunlight requirement : full sunshine
- ❖ Irrigation : For the first two years from planting, irrigate @ 45 litres of water per seedling, once in 4 days, during dry summer months. Provide adequate shade to the transplanted seedlings. Also provide staking so that winds may not uproot the young seedlings.
- ❖ Soil type : most soil types
- ❖ Temperature : 22-38^oc
- ❖ Relative humidity : 60-80%
- ❖ Elevation : 0-2000ft
- ❖ Rainfall : 1000-2500 mm
- ❖ Planting space : 25 ft x 25 ft





NUTRITION MANAGEMENT

Inputs	1st year	2nd year	3rd year	Frequency/stage
NPK	100g	200g	300g	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

To control coconut Rhinoceros Beetle

: Apply mixture of need seed powder + sand (1:2) @ 150g per palm in the base of the leaves in the crown.



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