



ABIU (*Pouteria caimito*)

Abiu is a tropical fruit tree originated in the Amazonian region of South America belonging to the family Sapotaceae.

Origin: South America.

Distribution: Lower eastern slopes of the Andes from South-western Venezuela to Peru, Brazil, Colombia.

DESCRIPTION

TREE

Medium to a large tree in tropical areas with a pyramidal or oval canopy. The secondary and tertiary branches that emerge from the main limbs are generally willow-like (thin and long) and hang downward when heavy with fruit.



INFLORESCENCE (FLOWERS)

The flowers are borne singly or in clusters of 2–5 flowers in leaf axils on long, thin shoots. Flowers are hermaphroditic, small, 4- to 5-lobed, cylindrical, and white to greenish. Flowers open during the morning and may stay open for about 2 days.



FRUIT

Ovoid to round commonly with a short nipple at the apex. The peel is smooth, tough, and pale to bright yellow when ripe. The pulp is white, translucent, jelly-like, mild-flavored, and sweet. There are 1–5 brown seeds. Fruit takes 100–130 days from flowering.





PLANTING CARE

Planting material - Seedling

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

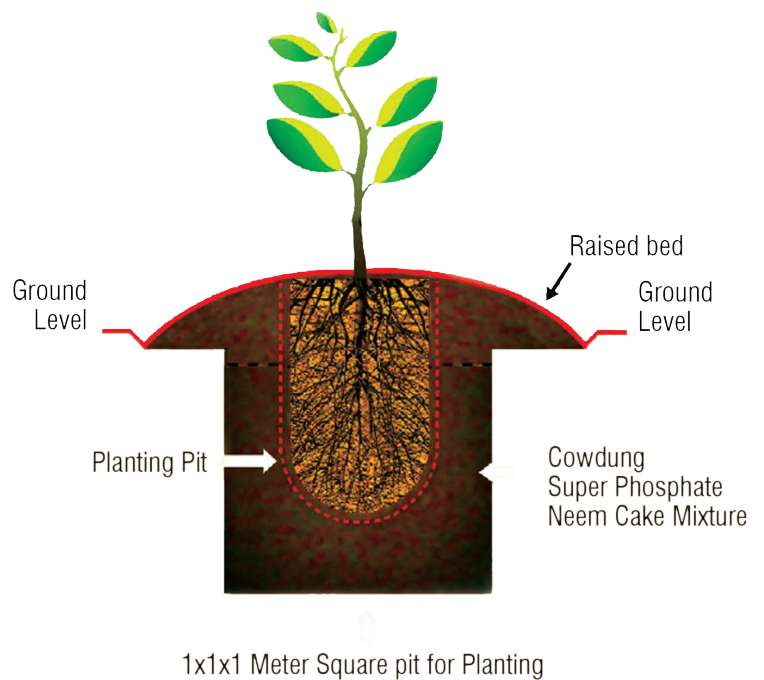
Pit size - 3x 3 x3 ft

Canopy - semi spreading

Canopy height - 15 ft

Season - more than one season

Ideal location - Low land, Plains & low gradient slopes



IDEAL GROWING CONDITIONS

- ❖ Sunlight requirement : semi-shade to full sunshine.
- ❖ Irrigation : Watering to be optimized on a regular or alternative day basis depending on the soil moisture. Regular watering is required during flowering to fruit development.
- ❖ Soil type : Suitable for most type soil.
- ❖ Temperature : 22-38°C.
- ❖ Relative humidity : 60 - 80%.
- ❖ Elevation : 0 to 2000 ft.
- ❖ Rainfall : 1000- 2000 mm.
- ❖ Planting space : 15x15 ft.
- ❖ pH : 5.5 to 6.5
- ❖ Pruning : yes.
- ❖ Training : yes.
- ❖ Pollination : Cross pollinated.



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	12 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

- Sucking pest** : Spray Verticillium lecanii 10ml/l
- Sooty mould** : Spray Copper oxychloride -3g/l



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