



THAI BELL CHAMPA

(*Syzygium samarangense*)

This evergreen tree with glossy green leaves is home to the South East Asian countries. They are big sizes and very sweet and delicious, while some varieties can be relatively round, others are somewhat pear-shaped, wide at the bottom and very narrow at the top.

Origin : Thailand.

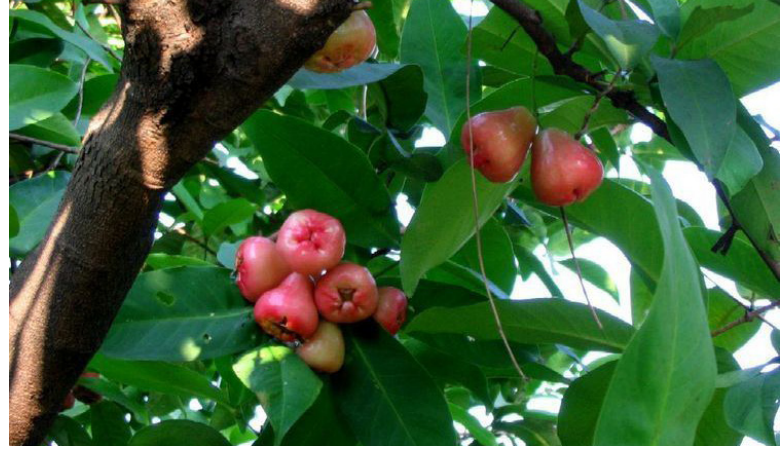
Distribution : South-East Asia, including Southern India, Thailand, Indonesia and Malaysia.



DESCRIPTION

TREE

It grows up to a height of 15-20 feet, bears fruits with green, red or rose colour.



FLOWER

The terminal inflorescence is showy and usually carries four whitish-green flowers on the outside of the crown.



FRUIT

This is a summer fruit like Abiu. The mildly sweet fruits are generally consumed as such, they yield good results when value added to produce jam, jelly and syrup. Improved varieties are devoid of seeds altogether.





PLANTING CARE

Planting material : vegetative propagation.

Planting method : raised bed.

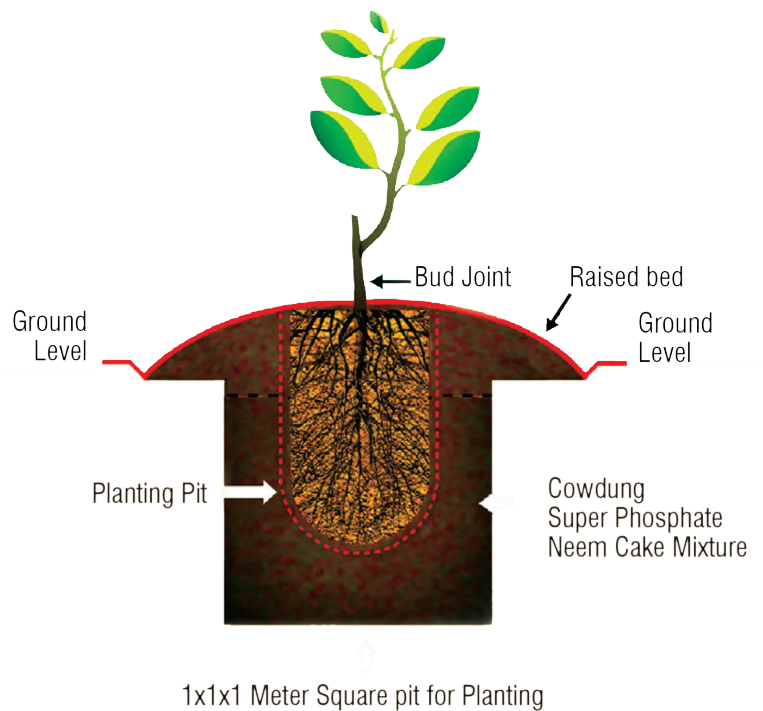
Pit size : 3x 3x3 ft.

Canopy : spreading.

Canopy height : 20ft.

Season : February- May.

Ideal location : Low land and plains.



IDEAL GROWING CONDITIONS



- ❖ Irrigation : During prolonged dry periods (e.g., 5 or more days of little to no rainfall), newly planted and mature trees should be watered once a week.
- ❖ Sunlight requirement : full sunlight.
- ❖ Soil Type : most soil type.
- ❖ Temperature : 22-36^oc.
- ❖ RH : 60-80%.
- ❖ Elevation : 0-2000 ft.
- ❖ Terrain : low land, plains and low gradient slopes.
- ❖ Rainfall : 1000-2000mm.
- ❖ Planting space : 15x15 ft.
- ❖ Training & Pruning : yes.
- ❖ pH : 5.5 to 6.5.
- ❖ Pollination : self pollinated.



NUTRITION MANAGEMENT

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



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