



## GUAVA (*Psidium guajava*)

**G**uava is a common tropical fruit cultivated in many tropical and subtropical regions. Belonging to the family Myrtaceae its flavor is unique, sweet, and almost universally pleasant.

**Origin:** Central and South America.

**Distribution:** India, China, Thailand, Pakistan, Mexico, Indonesia, Brazil, Bangladesh, Philippines.

### DESCRIPTION

#### TREE

The tree has a short, crooked trunk branching close to the ground, and a nonsymmetrical, open crown.

#### FLOWER

Flowers, faintly fragrant, are borne in loose terminal or axillary clusters of 3 to 7, mostly hidden by the foliage. The 4-parted calyx and 4 petals are pale-yellow, yellowish-white, or pinkish and there are numerous stamens.

#### FRUIT

Thin-skinned and shining, the fruit varies from white, to light-red or red, are round or pear-shaped with a narrow neck and broad apex. The flesh is white or pink, mildly fragrant, dry or juicy, crisp or spongy, and usually of sweetish but faint flavor.





## PLANTING CARE

**Planting material :** Vegetative Propagation

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

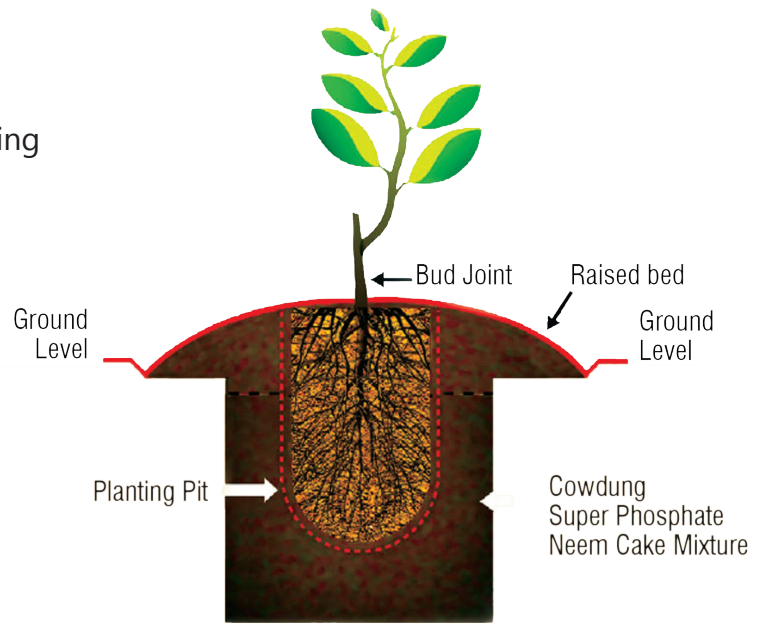
**Pit size :** 3x3x3ft

**Canopy :** Semi- Spreading

**Canopy height :** 20ft

**Season :** more than one season

**Ideal location :** Plains & low gradient slopes



1x1 Meter Square pit for Planting

## IDEAL GROWING CONDITIONS

- ❖ Sunlight requirement : full sunshine.
- ❖ Irrigation is necessary during Summer, irrespective of the age of the plant.
- ❖ Irrigation is necessary during Flower to Fruit development.
- ❖ Soil type : Suitable for all types of soil.
- ❖ Temperature : 23-38°C.
- ❖ Relative humidity : 50-70%.
- ❖ Elevation : 0 to 2500ft.
- ❖ Rainfall : 1000- 2000mm.
- ❖ Planting space : 20x20 ft.
- ❖ pH :5.5 to 6.5
- ❖ Pruning : yes.
- ❖ Training : yes.
- ❖ Pollination : self pollinated.
- ❖ Scope of value addition : juice, jam.







### NUTRITION MANAGEMENT

Inputs	1st year	2nd year	3rd year	Frequency/stage
NPK	100g	150g	200g	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	3 Liters
2 Years	5 Liters
3 Years	8 Liters



### PEST AND DISEASES

**Sucking pest :** Spray Verticillium lecanii 10ml/l

**Sooty mould :** Spray Copper oxychloride -3g/l



Document Prepared by

Research and Development department  
Homegrown Biotech  
Ph: +91 9562066333