



## MULLATHA

(*Annona muricata*)

Soursop is a member of the Annonaceae family, also known as the custard apple family. The Soursop has many uses in traditional medicine, and it has been used to treat a wide range of health conditions and ailments. With its strong nutrient profile, it provides a variety of health benefits.

**Origin:** warm and tropical regions of the America.

**Distribution:** South East Asia, Pacific regions, and North Africa.

### DESCRIPTION

#### TREE

*Annona muricata* is a small, upright, evergreen tree that can grow to about 30 feet (9.1 m) tall. Its young branches are hairy.



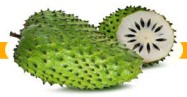
#### FLOWER

The flowers, which have a peculiar smell, are hermaphrodite and are often produced singly or in small clusters on old wood.

#### FRUIT

The fruit is usually called soursop due to its slightly acidic taste when ripe. The aromatic fruits are oval, spiny, and green-skinned. The fruit's fibrous white flesh, which combines the flavours of mango and pineapple, can be eaten fresh and is strained to make custards, ice creams, and drinks.





## PLANTING CARE

**Planting material** : vegetative propagation.

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

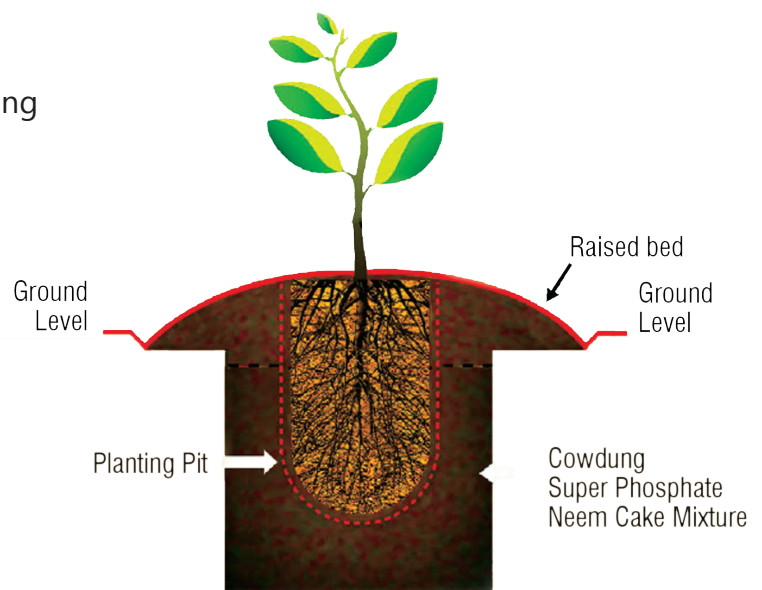
**Pit size** : 2 x 2 x 2 ft.

**Canopy** : upright.

**Canopy height** : 15 ft.

**Season** : more than one season.

**Ideal location** : Low land / Plains.

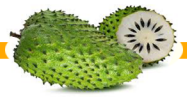


1x1x1 Meter Square pit for Planting

## IDEAL GROWING CONDITIONS

- ❖ Sunlight requirement : full sunshine.
- ❖ Temperature : 22- 35°C.
- ❖ Rainfall : 1200 and above mm.
- ❖ Relative humidity : 60-70 % RH.
- ❖ Soil type : Laterite and sandy loam.
- ❖ Elevation : 0-2000 ft MSL.
- ❖ Spacing : 15x 15 ft.
- ❖ pH : 5.5 to 6.5.
- ❖ Pruning : yes.
- ❖ Training : yes.
- ❖ Pollination : self pollinated.
- ❖ Scope of value addition : Juice.





### 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	8 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	5 Liters
2 Years	10 Liters
3 Years	15 Liters



### PEST AND DISEASES

**Sooty mould** : Spray copper oxychloride 3g/l

**Sucking pest** : verticillium lecanii – 10ml/l



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