

PEST MANAGEMENT IN BLACK PEPPER



Mealy bugs



Management

- Drenching insecticide chlorpyrifos 20EC @ 5 ml per litre of water
- Drenching solution 3 litres per vine

Scales



Management



Use of predatory insect

Thrips

Management

Spraying insecticide imidachloprid
0.5 ml/litre or
Dimethoate 1.7 ml/litre





PRODUCTION TECHNOLOGIES OF CARDAMOM

- Cardamom, the queen of spice crops, is a shade-growing perennial crop.
- Cardamom can be grown as intercrop in Arecanut plantation or under the shade of evergreen trees.
- Grown in the Western Ghats regions like Chikkamagaluru, Kodagu, Hassan and Uttara Kannada district.



Soil and Climate

- Fertile Red clay and Alluvial soil with pH (5.5 to 6.5) are suitable.
- Cardamom can be grown in areas of 600 to 1500 meters from Mean Sea level.
- 200 mm of rainfall in summer and an average temperature of 15 to 25°C are suitable weather condition.



Planting : June, August and September.

Cultivars : Mudigere-1, Mudigere-2, Mudigere-3, CCS-1, ICRI-3, Avinash (RR-1), SKP-14 and Farmer practicing variety Nylani (Green Gold).

Propagation : Seeds, suckers and Tissue culture method.

Agonomic Practices

- Plant to plant spacing 1.8 m x 1.8 m is ideal and total of 3025 plants can be planted per hectare area.
- In Arecanut plantation, 1370 plants can be planted per hectare area at a distance of 2.7 m x 2.7 m.
- Manure 30 tons of Compost or Farm yard manure per hectare area.

Fertilizer application

Plant age	Rainfed area (Kg/ha)	Irrigated area (Kg/ha)
First year (First split/45 days after planting)	Nitrogen - 25	Nitrogen - 25
	Phosphorus - 25	Phosphorus - 25
	Potash - 50 (Two splits)	Potash - 50 (Two splits)
Second year	Nitrogen - 40	Nitrogen - 60
	Phosphorus - 40	Phosphorus - 60
	Potash - 80 (Two splits)	Potash - 80 (Three splits)
Third year	Nitrogen - 75	Nitrogen - 125
	Phosphorus - 75	Phosphorus - 125
	Potash - 150 (Two splits)	Potash - 250 (Three splits)

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