



# Harit Sanjivani Crop Schedule

## Crop: Cardamom

**Nursery Sowing Time:** From November , Transplanting time: March to May, Nursery duration: 150 days, Period of harvest: more than 700 days

### How and when to use Harit Sanjivani Products for Nursery

Seed process: For 1 kg cardamom seed apply **Defend** 5 gm + **Spray Max-85** 3 ml.

Nursery Bed for 5m × 1m **Garden gold** 2 pouches of 500g + **Soil Health Special** 50 gm.

While nursery seed sowing after 35 to 40 days take spray of **Rapid** 2 ml + **Defend** 2 gm + **Fruit special** 1 gm + **Spray Max-85** 1 ml (per liter of water). After this, spray the same every 15 days as per need.

While transplanting **Defend** 3 gm + **Spray Max-85** 1 ml make a solution per liter of water by immersing the plants in it or after transplanting Drenching of **Defend** 2 gm + **Spray Max-85** 1 ml per liter of water.

Products of Harit Sanjivani	Time & Methods of Application
<b>Harit Sanjivani Stage 1 250 gm + Soil Health Special 500 gm</b> (Per acre)	While transplanting or from transplanting up to 30 days apply in soil by mixing it with any chemical fertilizer or Organic manure or in 40 to 50 kg dry soil or through drip irrigation or drenching.
<b>Harit Sanjivani Stage 2 + Spray Max-85 1ml per liter of water</b> <b>Rapid</b> <b>Defend</b>	Spraying should be done in 15 to 30 days after transplanting. (Vegetative growth stage of plants) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Stage 3 + Spray Max-85 1ml per liter of water</b> <b>Rapid</b> <b>Defend</b>	Spraying should be done in 30 to 45 days after transplanting. (Vegetative growth Stage of plants) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Stage 4 + Spray Max-85 1ml per liter of water</b> <b>Rapid</b>	Spraying should be done in 45 to 60 days after transplanting. (Vegetative growth stage of plants) Rapid 2 ml per liter of water for sucking pest



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<b>Defend</b>	Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Fruit Special 1 to 2 gm + Spray Max-85 1ml per liter of water Rapid Defend</b>	After spraying Harit Sanjivani stage 4, spray in every 25 - 30 days intervals in vegetative growth stage.  Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Soil Health Special 500 gm (Per acre)</b>	In the stage of crop growth, every 3 to 4 months intervals apply in soil by mixing with any chemical fertilizer or organic manure or in 40 to 50 kg dry soil or through drip irrigation or drenching.
<b>Harit Sanjivani Fruit Special 1 to 2 gm + Spray Max-85 1ml per liter of water Rapid Defend</b>	Spraying should done in the stage of initiation flowering from the rhizome. (Flower initiation stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Fruit Special 2 gm + Spray Max-85 1ml per liter of water Rapid Defend</b>	Spraying should done in flowering stage (capsules). (Capsule setting stage)  Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
After this spraying in the growth stage of capsules every 20 to 25 days intervals spray Fruit Special 2gm + Spray Max-85 in 1 ml per liter of water. It can be sprayed by mixing with Rapid 2 ml and Defined 2 gm per liter of water as per the requirements.	
<b>Spray Max-85 can give 500 ml per acre by drip irrigation or drenching.</b>	

## Time and Dose of Nutrients

Stage of application	Dung manure / compost manure (kg) (5 m × 1 m per bed)	Nitrogen (5 m × 1 m per bed)	Phosphorus (5 m × 1 m per bed per gm)	Potash (5 m × 1 m per gm bed)
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At the time of sowing nursery seeds	10	30	20	40
45 days from nursery sowing		30	20	40
90 days from nursery sowing		30	20	40

## While transplanting: (Volume per acre)

- 1) At the time of transplanting Nitrogen 15 kg, Phosphorus 15 kg, Potash 30 kg
- 2) 150 days from transplanting Nitrogen 15 kg Phosphorus 15 kg, Potash 30 kg
- 3) 360 days from transplanting Nitrogen 30 kg Phosphorus 30 kg, Potash 60 kg once a year

## Micronutrients: - (Volume per acre)

1. Mix 20 micronutrients with 20 kg of cow dung or compost.
2. For root knot nematodes, Neem powder is used in the quantity of 500 kg.
3. Organic fertilizers like Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter mixed with 1 kg of dung or compost manure.

Cardamom diseases and treatment	Cardamom diseases and treatment
<b>Fungus:</b> <b>1) Nursery leaf spot</b> 	<b>2) Capsules Rot / Azukal Disease</b> 
<b>Treatment :</b> Spraying (volume per liter)	<b>Treatment :</b> Spraying (volume per liter)

<p><b>Defend 2 gm</b> + Propineb 2 gm + <b>Spray Max-85</b> 1 ml</p>	<p><b>Defend 2 gm</b> + Thiophanate methyl 1 gm + <b>Spray Max-85</b> 1 ml</p> <p>Drenching: Copper oxychloride 3 gm + Validamycin 2 ml + Spray max-85 1 ml</p>
<p><b>3) Leaf blight</b></p>  <p><b>Treatment :</b> Spraying (volume per liter) <b>Defend 2 gm</b> + Hexaconazole (+) Captan 2 gm + <b>Spray Max-85</b> 1 ml</p>	<p><b>4) Cercospora leaf spot</b></p>  <p><b>Treatment :</b> Spraying (volume per liter) <b>Defend 2 gm</b> + Metalaxyl (+) Mancozeb 2 gm + <b>Spray Max-85</b> 1 ml</p>
<p><b>5) Raizhom Rot / Clamp Rot / Siding Rot / Damping Off</b></p> <p><b>Treatment :</b> Spraying (volume per liter) <b>Defend 2 gm</b> + Metalaxyl 35% 1 gm + <b>Spray Max-85</b> - 1 ml</p> <p><b>Drenching</b> (Volume per liter): Copper 3 gm + Validamycin 2 ml</p>	
<p><b>Viral Infection:</b> Viral infection occurring in different crops is mainly due to sucking pest or because of the lack of nutrients in the leaves. Therefore, pay special attention to the amount of sucking pest in the crops and the amount of nutrients in the leaves. If any type of virus appears on the plants in the plot, immediately destroy the infected plants.</p>	
<p><b>Viral :1) Katta Disise (Mosaic / Marble) 2) Cardamom Vein Clearing (Kokkekandu)</b></p>	
	
<p><b>Treatment :</b> Spraying (volume per liter)(<b>Spread by Aphids</b>) <b>Rapid 2 ml</b> + Acephate 1.5 g + <b>Defend 2 gm</b> + <b>Spray Max-85</b> - 1 ml</p> <p>After 2 days of this spraying take 2<sup>nd</sup> spray – <b>Fruit special 2 gm</b> + 13:00:45 - 5 gm + <b>Spray Max-85</b> - 1 ml</p>	

## Bacterial: Necrosis (*Eucalyptus necrosis*)

Treatment : Spraying (volume per liter)

(By drip irrigation or by drenching apply in soil **Fruit Special 1 kg per acre.**)



1) **Defend 2 gm** + Captan 2 gm + Strepto Cycline 6 gm / 50 L + **Spray Max-85** 1 ml

2) Copper oxychloride - 2 gm + strepto cyclin 6 gm / 50 L + **Spray Max-85** 1 ml

## Sucking pest:

Thrips

White fly

Aphids

Red mites



Treatment : (Volume per liter): **Rapid 2 ml** + **Spray Max-85** 1 ml

## Pest:

Shoot borer, Panicle  
borer, Capsules  
borer, Hair  
Caterpillar  
Shoot Fly (Golden  
Fly)

## Insecticide:(Volume per liter of water)

Emamectin 1 gm + Dichlorvos 1 ml + **Spray Max-85** 1 ml

Barazide 3 ml + Dichlorvos 1 ml + **Spray Max-85** 1 ml

Rapid 1 ml + Phenpropathrin 1 ml + Dichlorvos 1 ml + **Spray Max-85** 1 ml

## Root knot nematode: Treatment : (Volume per acre)

Trichoderma 1 kg + Paecilomyces 1 kg + Black jaggery 2 kg  
(mix all three in 10 liters of clean water and keep in a plastic  
bucket or plastic vessel a day)

On the second day mix Soil Health Special 500 gm in 200  
liters of water and mix the top 10 liters of draining in it, and  
drenching in the roots of plants or through drip irrigation.





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## Instructions :

- 1) **Harit Sanjivani Stage 2/3/4, Fruit Special, Defend** can be mixed with any pesticides, insecticides, fungicides except only alkaline such as Copper, Sulphour, Bordeaux mixture.
- 2) In every spraying apply **Spray Max-85** in the ratio of 1 ml per liter.

**(For cardamom crop schedule given by field trials, farmers experience and agricultural universities trials and the schedule can be change according to soil type and environment)**