



Harit Sanjivani Crop Schedule

Crop: Cumin

Sowing Time: November to December, Duration of harvest: 105 to 150 days according to variety

How to apply Harit Sanjivani Products

Seed process: Use Defend 5 gm + Spray Max-85 5 ml per kg of seed.

Products of Harit Sanjivani	Time & Methods of Apply
Harit Sanjivani Stage 1 250 gm + Soil Health Special 500 gm (Per acre)	At a time of sowing the cumin or up to 30 days from sowing 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.
Harit Sanjivani Stage 2 + Spray Max-85 1ml per liter of water Rapid Defend	Spraying should be done in 30 - 40 days after sowing. (Vegetative growth stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
Harit Sanjivani Stage 3 + Spray Max-85 1ml per liter of water Rapid Defend	Spraying should be done in 50-60 days after sowing. (Flowering stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
Harit Sanjivani Stage 4 + Spray Max-85 1ml per liter of water Rapid Defend	Spraying should be done in 70-80 days after sowing. (Growth stage of cumin) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases

Spray Max-85 can give 500 ml per acre by drip irrigation or drenching.

Time and Dose of Macro and Micro nutrient fertilizer

(Volume per acre)

Bio fertilizers like Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter

mixed with cow dung or compost manure each per 1 kg. For root knot nematodes, neem powder use 250 kg.

1) At the time of sowing Phosphorus - 10 kg, Sulphour (granule) - 10 kg OR Sulphour (90% WDG) - 3 kg, Mix Micronutrients 20 kg

2) 15 days after sowing cumin Nitrogen - 15 kg, Phosphorus 10 kg

Diseases and treatment		Diseases and treatment											
<p>1) Powdery Mildew</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole 1 ml + Spray Max-85 1 ml</p>		<p>2) Alternaria</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Mancozeb (+) Carbendzim 2 gm + Spray Max-85 1 ml</p>											
<p>3) Fusarium wilt</p> <p>Treatment : Spraying (volume per liter) Defend 2 gm + Thiophanate methyl 1.5 gm + Spray Max-85 1 ml</p> <p>Drenching: (volume per liter) Copper 3 gm + Spray Max-85 1 ml</p>													
<p>Sucking pest</p> <table border="0" style="width:100%; text-align:center;"> <tr> <td>Thrips</td> <td>Aphids/Jassids</td> <td>Red mites</td> <td>White fly</td> <td>Leaf hopper</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Treatment : (Volume per liter): Rapid 2 ml + Spray Max-85 1ml</p>				Thrips	Aphids/Jassids	Red mites	White fly	Leaf hopper					
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<p>Pest:</p> <p>Leaf borer, Shoot borer</p>		<p>Insecticide:</p> <p>Chloropyrifos 50% (+) Cypermethrin 5% 2ml + Spray Max-85 1 ml Emamectin 1 gram + dichlorvose 1 ml + Spray Max-85 1 ml</p>											
<p>Root knot Nematode: Treatment : (Volume per acre)</p> <p>Trichoderma 1kg + Paecilomyces 1 kg + Black jaggery 2 kg (mix all three in 10 liters of</p>													



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clean water and keep in a plastic bucket or plastic vessel for a day)

On the second day, mix Soil Health Special 500 gm in 200 liters of water and mix the top 10 liters solution in it and drench near roots of plants or by drip irrigation

Instructions :

- 1) Harit Sanjivani 2/3/4, Defend, Fruit Special can be mixed with any pesticides, fungicides, insecticides, fertilizers except alkaline such as Copper, Sulphour, Bordeaux mixture.
- 2) Use Spray Max-85 in the ratio of 1 ml per liter in every spray solution .
- 3) After spraying of Harit Sanjivani Stage 4 spray Harit Sanjivani Fruit Special at a ratio of 2 gm per liter as needed to increase the size of the cumin grains at intervals of 15–15 days.

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