



Harit Sanjivani Crop Schedule

**Crop: Bitter gourd / Sponge gourd /Ridge gourd / Bottle gourd /
Cucumber**

Sowing time: kharif season from June to July, Summer season from January to February,

Duration of harvest: 140 to 200 Day

How to apply Harit Sanjivani Products

Seeds Treatment: Use Defend 5 gm + Spray Max-85 5 ml per kg of seeds.

Products of Harit Sanjivani	Time & Methods of Application
Harit Sanjivani Stage 1 - 250 grams + Soil Health Special 500 gm (per acre)	While sowing or up to 30 days from sowing apply in soil by mixing with any chemical fertilizer or organic manure or in 30 to 50 kg of dry soil or drip irrigation or drenching.
Harit Sanjivani Stage 2 + Spray Max-85 1ml Rapid Defend	15 to 25 days after sowing. (Crop 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 Rapid Defend	Spraying should be done in 15 days after spraying Harit Sanjivani stage 2 (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 Rapid Defend	Harit spraying should be done in 15 days after spraying Harit Sanjivani stage 3 (Flowering and fruit setting stage) 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 micronutrients application

(Volume per acre) Bio fertilizers like Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter are mixed with FYM or compost manure per 1 kg individually. For root knot nematodes use Neem powder 250 kg

Diseases and treatment	Diseases and treatment
<p>Fungus: 1) Downy Mildew</p>  <p>Treatment: Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Captan 2 gm + Spray Max-85 1 ml</p>	<p>2) Powdery mildew</p>  <p>Treatment: Spraying (volume per liter) Defend 2gm + Hexaconazole 1ml + Spray Max-85 1ml</p>
<p>2)Anthracnose</p>  <p>Treatment: Spraying (volume per liter) Defend 2 gm + Metalaxyle 1 gm + Spray Max-85 1ml</p>	<p>3)Phytophthora</p>  <p>Treatment: Spraying (volume per liter) Defend 2 gm + Metalaxyle 1 gm + Spray Max-85 1ml</p>
<p>4) Root Rot:</p>  <p>Treatment: Drenching (volume per liter) Defend 2 gm + Metalaxyle 1.5 gm + Spray Max-85 1ml</p>	<p>Viral Infections : Yellow Vein Mosaic</p>  <p>Treatment: Spraying (volume per liter) Rapid 2 ml + Acephate 1.5 gm + Spray Max-85 1ml 2nd spraying 2 days after this spraying</p>

Fruit Special 2 gm + 13: 40: 13 - 5 gm +
Spray Max-85 1ml

Bacterial Blight: Treatment: Spraying (volume per liter)

- 1) Defend 2 gm + Captan 2 gm + Streptocycline 6 gm / 50 L + Spray Max-85 1ml
- 2) Copper oxychloride 2 gm + streptocycline 6 gm / 50 L + Spray Max-85 1 ml

Sucking pest:

Thrips Aphids, Jassids Red Mites White Fly Leaf Hopper Mealy bug



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

Leaf minor :

Treatment: (Volume per liter)

Rapid 2 ml + Neem oil 2 ml + Spray Max-85 1 ml or

Rapid 1.5 ml + Triazophos 1.5 ml + Spray Max-85 1 ml



Pest:

Leaf borer

Fruit borer

Fruit fly

Insecticide:

Chlorpyrifos 50% (+) Cypermethrin 5% 2ml + Spray Max-85 1ml

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

Barazide 3ml + Spray Max-85 1ml

Fenprothrin 1ml + Dichlorvos 1ml + Spray Max-85 1ml

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 for 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 by drip irrigation.





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Instructions:

- 1) **Harit Sanjivani Stage 2 / 3 / 4** 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 **Fruit Special** at a ratio of 2 gm per liter as needed to increase the size of the fruits at intervals of 15–15 days.
- 4) **Defend** can be mix with any agricultural medicines, except alkaline medicines such as Copper, Sulphour, Bordeaux mixture.

(For bitter gourd, sponge gourd, Ridge gourd, Bottle gourd, Cucumber crop schedule given by field trials, farmers experience and agricultural universities trials and the schedule can be change according to soil type and environment)