



# Harit Sanjivani Crop Schedule

## Crop: Turmeric / Ginger

**Turmeric Sowing Time:** May to June, **Ginger Sowing Time:** April to May, Turmeric crop duration: 240 to 270 days, Ginger crop duration: 330 to 540 days

### Time and method of apply Harit Sanjivani Products





**Seed treatment : Defend 250 gm + Spray Max-85 250 ml in 100 liters of water and immerse seeds in it.**

Harit Sanjivani Products	Time and method of apply
<b>Harit Sanjivani Stage 1 - 250 gm + Soil Health Special 500 gm (Per acre)</b>	While sowing turmeric / ginger or after sowing up to 30 days apply in soil mixing with any chemical fertilizer or organic fertilizer 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 30 to 45 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 fungus
<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 15 days after spraying Harit Sanjivani Stage 2 (Vegetative growth stage)  Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungus
<b>Harit Sanjivani Stage 4 + Spray Max-85 1ml per liter of water</b> <b>Rapid</b> <b>Defend</b>	Spraying should be done in 15 days after spraying Harit Sanjivani Stage 3 (Vegetative growth & Rhizome development stage)  Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungus
<b>Soil Health Special 500 gm (Per acre)</b>	Every 3 to 4 months interval apply in soil mixing with any chemical fertilizer or organic fertilizer or in 40 to 50 kg dry soil or through drip irrigation or drenching
<b>Fruit Special 2 gm + Spray Max-85 1ml per liter of</b>	Spraying should be done in every 25 to 30 days after spraying Harit Sanjivani Stage 4.

<b>water</b> <b>Rapid</b> <b>Defend</b>	(Vegetative growth & Rhizome development stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungus
<b>Spray Max-85 can give 500 ml per acre by drip irrigation or drenching.</b>	

## Time and dose of Bio fertilizers application

<p><b>(Volume per acre)</b></p> <p>Organic fertilizers like Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter each 1 kg are mixed with cow dung or compost manure.</p> <p>For root knot nematodes use Neem powder in 250 kg</p> <p>1) while sowing, Neem powder 800 kg, Phosphorus 40 kg, Potash 40 kg, Mix micronutrients 20 kg, Sulphour (granules) - 10 kg or Sulphour (90% WDG) - 3 kg.</p> <p>2) 40 kg of nitrogen in 40 to 45 days after sowing the crop.</p> <p>3) 40 kg of nitrogen in 70 to 80 days after planting the crop.</p>
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Diseases and Treatment	Diseases and Treatment
<p><b>Fungus:</b></p> <p><b>1) Leaf blotch</b></p>  <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Hexaconazole (+) Captan 2 g + <b>Spray Max-85</b> 1 ml</p>	<p><b>2) Leaf spot</b></p>  <p style="text-align: center; font-size: small;">Infected leaves</p> <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Hexaconazole (+) Zenab 2 gm + <b>Spray Max-85</b> 1 ml</p>
<p><b>3) Rhizome Rot</b></p>  <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Metalaxyle 1 gm + <b>Spray Max-85</b> 1 ml</p>	<p><b>4) Dry rot</b></p>  <p style="text-align: center; font-size: small;">Infected plant and rhizome</p> <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Carbendazim 1 gm + <b>Spray Max-85</b> 1 ml</p>

<b>Drenching:</b> Copper oxychloride 3 gm + Valida mycine 2 ml + <b>Spray Max-85</b> 1 ml	<b>Drenching:</b> Copper oxychloride 3 gm + Valida mycine 2 ml + <b>Spray Max-85</b> 1 ml
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## Bacterial Blight

**Treatment :** Spraying (volume per liter)

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

**Drenching:** Copper oxychloride 3 gm + Valida mycine 2 ml + **Spray Max-85** 1 ml



Infected plant



Ooze

## Sucking Pest:

Thrips    Aphids, Jussids    Red mites    White fly    Leaf hopper    Mealybug



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

## Pest:

Rhizome Scale &  
Rhizome Fly  
Shoot borer  
Leaf roller

**Insecticide:** (Volume per liter)

**Drenching:** Chloropyrifos 50% (+) Cypermethrin 5% 3ml + **Spray Max-85** 1 ml

**Spraying:** Phenpropathrin 1 ml + Dichlorvose 1 ml + **Spray Max-85** 1 ml

Fipronil 2 ml / 1 + **Spray Max-85** 1 ml

Emamectin 1 gm + Dichlorvose 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 for a day)

On the 2<sup>nd</sup> 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.





# Harit Sanjivani Crop Schedule

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## Instructions :

- 1) **Harit Sanjivani Stage 2/3/4, Fruit Special, Defend** can mix with any agricultural chemical pesticides, fungicides except alkaline chemicals 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 Rhizomes in intervals of 25 to 30 days.

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