



Harit Sanjivani Crop Schedule

Crop: Tea (Tea)

How to apply Harit Sanjivani Products for Nursery

Seed process: For 1 kg of tea seed use Defend 5 gm + Spray Max-85 3 ml.

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

After transplanting in polythene sleeves after nursery seed germination, use **Garden Gold 25 gm + Soil Health Special 5 gm per plant.** After transplanting do drenching by mixing **Defend 3 gm + Spray Max-85** in 1 ml per liter of water.

For growth of nursery plant, spray every 25 to 30 days with fruit special 1 gm + **Rapid 2 ml + Defend 2 gm + Spray Max-85** in 1 ml per liter of water.

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

Products of Harit Sanjivani	Time & Methods of Apply
Harit Sanjivani Stage 1 250 gm + Soil Health Special 500 gm (Per acre)	Can be given in the soil while transplanting or up to 30 days after transplanting 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.
Harit Sanjivani Stage 2 + Spray Max-85 1ml per liter of water Rapid Defend	Spraying should be done in 15 to 30 days after transplanting tea plants. (Vegetative growth stage of plants) Rapid 2 ml per liter of water 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 30 to 45 days after transplanting tea plants. (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
Harit Sanjivani Stage 4 + Spray Max-85 1ml per liter of water	Spraying should be done in 45 to 60 days after transplanting tea plants. (Vegetative growth stage of plants)



Harit Sanjivani Crop Schedule

Rapid Defend	Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
Harit Sanjivani Fruit Special 1 to 2 gm + Spray Max-85 1ml per liter of water	After spraying Harit Sanjivani Stage 4, spray every 20 to 25 days interval for vegetative growth.
Rapid Defend	Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
Harit Sanjivani Soil Health Special 500 gm (Per acre)	In the stage of vegetative growth in every 3 to 4 months interval apply in soil by mixed with any chemical fertilizer or organic manure or in 40 to 50 kg dry soil or through drip irrigation or drenching.
Harit Sanjivani Fruit Special 2gm + Spray Max-85 1ml per liter of water	Spraying should be done in vegetative growth stage of tea plant leafs.
Rapid Defend	Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
After this spraying, spray in every 20 to 25 days intervals in the growth stage of tea plant leafs Fruit special 2 gm + Spray Max-85 1 ml per liter of water. According to needs use Rapid 2 ml and Defend 2 gm per liter of water.	
In the growth stage of tea leafs Soil Health Special apply in soil every 3 to 4 months interval by mixing with any chemical fertilizer or organic manure or in 40 to 50 kg dry soil or through drip irrigation or drenching.	
Spray Max-85 can give 500 ml per acre by drip irrigation or drenching.	

Time and dose of Macro and Micro Nutrients

Choosing the land for tea: deep in it, Gravelly soil is required in which water can drain well and the pH value of the land should be 4.5 to 6.0. The land must contain iron (ferrous), phosphorus, potash and in the form of nitrogen we must give ammonium sulfate in it which makes the soil acidic which is necessary for tea cultivation.



Harit Sanjivani Crop Schedule

The tea crop requires staple fertilizer according to its product level.

Product Level Per Acre	Nitrogen per acre	Number of application divided
Less than 1200 kg	120 kg	Divide into 4 applications
1200 kg	96 kg	Split into 5 applications
More than 1200 kg	108 kg	Divide into 6 applications

Proof of main fertilizers for less than 1200 kg product level: (Volume per acre)

- 1) March – Ammonium Sulphate 120 kg (Nitrogen 24 kg in Ammonium form), April – SSP – 100 kg, MOP – 40 kg.
- 2) Urea 85 kg (Nitrogen 39 kg in urea form) during May - June or less rain period, MOP - 40 kg
- 3) Urea 85 kg (Nitrogen 39 kg in urea form) during August - September or less rain period, MOP - 40 kg
- 4) Calcium ammonium nitrate 67 kg (Nitrogen in calcium form 18 kg) in November – December - MOP 30 kg

Instructions: (The quantity of fertilizers is necessary according to the product level or the main fertilizers for tea cultivation apply according to the experience of farmers.)

Microenterology: - (Volume per acre)

1. Zinc sulphate 5 kg, Manganese sulphate 2 kg, boron 2 kg, mix micronutrients mixed with 20 kg of cow dung or compost manure.
2. For root knot nematodes apply neem powder 500 kg.
3. Organic fertilizers like Trichoderma, Pseudomonas, phosphorus soluble bacteria, Azotobacter mixed with cow dung or compost manure 1 kg each.

Tea diseases and treatment		Tea diseases and treatment	
Mildew: 1) Blister Blight	 	2) Brown Blight	 

<p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p>	<p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Zenab 2 gm + Spray Max-85 1 ml</p>
<p>3) Red rust</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Captan 2 gm + Spray Max-85 1 ml</p>	<p>4) Root rot</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p> <p>Drenching : (volume per liter) Defend 2 gm + Metalaxyle 35% 1.5 gm + Spray Max-85 1 ml</p>
<p>Bacterial: Die Back and Canker</p> <p>Treatment : Spraying (volume per liter) (By drip irrigation or by drenching Fruit Special 1 kg apply in soil per acre)</p>  <p>1) Defend 2 gm + Captan 2 gm + Strepto Cycline 6 gm / 50 L + Spray Max-85 1 ml 2) Copper oxychloride - 2 gm + Streptocycline 6 gm / 50 L + Spray Max-85 1 ml</p>	
<p>sucking pest:</p> <p>Aphids, Red Spider, Scale</p>  <p>Treatment : (Volume per liter): Rapid 2 ml + Spray Max-85 1 ml</p>	
<p>Root Knot Nematode :</p> <p>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 solution in it and drench near roots of plants or through drip irrigation.</p> 	



Harit Sanjivani Crop Schedule

Instructions :

- 1) **Harit Sanjivani Stage 2 /3/4, Defend, Fruit Special** can be mixed with any pesticide, insecticides, fungicides, fertilizer 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 leafs and vegetative growth of plants in intervals of 20-25 days .

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