



Harit Sanjivani Crop Schedule

Crop: Tapioca

Sowing Time: June to July, Duration of harvest: 240 to 270 days

How to apply Harit Sanjivani Products

Transplanting time: While planting prepare a solution of Defend 3 gm + Spray Max-85 1 ml per liter and immerse in it and transplant or after transplanting drench it in the plants root.

Products of Harit Sanjivani	Time & Methods of Application
Harit Sanjivani Stage 1 - 250 gm + Soil Health Special 500 gm (Per acre)	While planting or up to 30 days after transplanting 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 to 40 days after planting. (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 15 days after spraying Harit Sanjivani Stage 2. (Vegetative growth & Tuber development 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 15 days after spraying Harit Sanjivani Stage 3 (Vegetative growth & Tuber development stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
Fruit Special 2 gm + Spray Max-85 1ml per liter of water Rapid Defend	Spraying should be done in every 25 to 30 days intervals after spraying Harit Sanjivani Stage 4. (Growth stage of tubers) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases



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Soil Health Special 500 gm (Per acre)	Apply in soil in every 3 to 4 months intervals after 1 st application
Spray Max-85 can give 500 ml per acre by drip irrigation or drenching.	




Time and dose of Nutrients

(Volume per acre)
Organic fertilizers like Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter mixed with cow dung or compost manure each per 1 kg. For root knot nematodes apply Neem powder 250 kg.

1) While sowing or planting apply Phosphorus - 40 kg, Potash - 40 kg, Mix micronutrients 20 kg, Sulphour (granule) - 10 kg or Sulphour (90% WDG) - 3 kg.

2) In 40 to 45 days from planting Nitrogen - 40 kg

3) In 70 to 80 days from planting Nitrogen - 40 kg

Topioca diseases and treatment		Topioca diseases and treatment	
<p>Fungus:</p> <p>1) Anthracnose</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole(+)Captan 2 gm + Spray Max-85 1 ml</p>		<p>2) Brown leaf spot</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p>	
<p>3) Tuber Rot</p> <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p> <p>Drenching: Copper oxychloride - 3 gm + Valida mycine 2 ml + Spray Max-85 1 ml</p>		 <p>Tuber rot of Cassava</p>	

Viral : Yellow Mosaic

Treatment : Spraying (volume per liter)
 Acephate (Asataf) 2 gm + **Fruit special** 2 gm + chelated zinc 1 gm + 13: 40: 13 - 5 gm + **Spray Max-85** 1 ml



Leaves infected with *Cassava mosaic virus* exhibit bright yellow patches

Bacterial Blight:

Treatment : Spraying (volume per liter)

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

Pest:

Shoot borer /

Internode borer

White Grubes

Insecticide:

Emamectin benzoate 1 gm + dichlorvose 1 ml + **Spray Max-85** 1 ml

Novalurone (5.25%) (+) Emamectin (0.9%) (Barazide) 3ml + **Spray Max-85** 1 ml

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

Root Knot Nematode: Treatment : (Quantity 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 by drip irrigation.





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Instructions :

- 1) Harit Sanjivani Stage 2/3/4, Defend, Fruit Special can be mix 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 the fruits at intervals of 20 - 25 days.

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