



Harit Sanjivani Crop Schedule

Crop: Watermelon / Musk Melon

Sowing time: kharif Season - June to July, Rabbi Season - January to February, Crop duration: 75 to 120 days

How to apply Harit Sanjivani Products

Seed Treatment: Use Defend 5 gm + Spray Max-85 for 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)	While sowing / transplanting or from sowing / transplanting up to 30 days 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 15 to 25 days after sowing / transplanting. (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. (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 15 days after spraying Harit Sanjivani Stage 3. (Fruits development 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 Fertilizer Application








(Volume per acre)

Organic fertilizers like Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter are mixed with cow dung or compost manure each per 1 kg.

For root knot nematodes use Neem Powder 250 kg

1) At the time of Transplanting - Nitrogen - 20 kg, Phosphorus - 20 kg, Potash - 20 kg, mix micronutrients 20 kg.

2) 30 to 35 days after planting the crop -Nitrogen - 20 kg , Potash - 20 kg

Diseases and Remedies		Diseases and Remedies	
<p>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 2 gm + Hexaconazole 1ml + Spray Max-85 1 ml</p>		
<p>3) Anthracnose</p>   <p>Treatment : Spraying (volume per liter) Defend 2 gm + Captan 2 gm + Spray Max-85 1 ml</p>	<p>4) Alternaria</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p>		
<p>5) Cercospora</p> <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Zineb 2 gm + Spray Max-85 1 ml</p>			

Bacterial Fruit Blotch:

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, mealybug



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

Leaf Miner :

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:

Fruit fly

Fruit borer

Harit clover worm

Insecticide:

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

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

Spinosad 75 ml / 200 l + **Spray Max-85** 1 ml

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

Root Knot Nematode : Treatment : (Volume per acre)

Tricoderma 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 grams in 200

liters of water and mix the top 10 liters solution in it and drench near roots of plants or by drip irrigation.





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Instructions :

- 1) Harit Sanjivani procedure 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 fruits at intervals of 15–15 days.

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