



Harit Sanjivani Crop Schedule

Crop: Grapes

Spring Time: April Pruning, October Pruning, Crop duration: 120 to 130 days

How to apply Harit Sanjivani Products

Plantation Stage: While planting dogridge drenching in the roots of the plant by preparing a solution of Defend 3 gm + Spray max-85 1 gm per liter of water.

For the vegetative growth and development of plants apply **Harit Sanjivani Soil Health Special** once in 3 to 4 months intervals apply in soil 500 gm per acre. For spraying use **Fruit Special** 1 to 2 gm + **Spray Max - 85** 1 ml per liter of water at intervals of 30 - 30 days. According to this, **Rapid** 2 ml and **Defend** 2 gm can be sprayed per liter of water.

Products of Harit Sanjivani

Time & Methods of Application

To pick spring means to start spring treatment after resting or after foliage, giving first water to new leaves and flowers.

Harit Sanjivani Soil Health Special 2 pouches of 500 grams for one acre

At the time of picking spring or up to 20 days from picking spring 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 Fruit Special 1 gm + Spray Max-85 1 ml per liter of water

Spraying should be done in 15 to 20 days after picking spring.

Rapid

(Vegetative stage of leaves)

Defend

Rapid 2 ml per liter of water for sucking pest

Defend 2 gm per liter of water for downy mildew

Harit Sanjivani Fruit Special 1 gm + Spray Max-85 1 ml per liter of water

2nd spray should be done in 15 to 20 days after 1st spraying of Fruit Special.

Rapid

(Flowering stage)

Defend

Rapid 2 ml per liter of water for sucking pest

Defend 2 grams per liter of water for downy mildew

Harit Sanjivani Fruit Special 2 gm + Spray Max-85 1ml per liter of water

Spraying should be done in 15 to 20 days after 2nd spraying of Fruit Special or at the time of conversion of flowers into fruits. (Fruit Setting Stage)

Rapid

Rapid 2 ml per liter of water for sucking pest

Defend

Defend 2 gm per liter of water for downy mildew



Harit Sanjivani Crop Schedule

Harit Sanjivani Soil Health Special 2 pouches of 500 gm for one acre	The transformation of flowers into fruits (Fruit setting stage) apply in soil by mixing with any chemical fertilizer or organic manure or in 40 to 50 kg of dry soil or through drip irrigation or drenching.
Harit Sanjivani Fruit Special 2 gm + Spray Max-85 1ml per liter of water Rapid (as required) Defend	Spraying should be done in 20 to 25 days after 3 rd spraying of Fruit Special (Fruit development stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water for downy mildew
Harit Sanjivani Fruit Special 2 gm + Spray Max-85 1ml per liter of water Rapid (as required) Defend	Spraying should done in 20 to 25 days after 4 th spraying of Fruit Special (Fruit development stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water for downy mildew
Spray Max-85 can give 500 ml per acre through drip irrigation or drenching.	

Time and Dose of Main Nutrients

Volume per acre

1. After Pruning Nitrogen 186 kg, Phosphorus 177 kg, Potash 80 kg
2. After fruit thinning Phosphorus 177 kg
3. After picking spring Nitrogen 80 kg ,Potash 130 kg in 70 to 100 days
4. In fruit development stage Potash 55 kg

Micronutrients: -

1. Mix Micronutrients 50 gm per vein, Sulphour (90% WDG) - 3 kg per acre with cow dung or compost per acre.
2. For root knot nematodes, Neem powder should be apply in the quantity of 500 gm per plant.
3. Biological fertilizers such as Trichoderma, Pseudomonas,



Harit Sanjivani Crop Schedule

phosphorus soluble bacteria, Azotobacter, mixed with dung or compost manure 25 gm per vine. Apply manure of cow dung 10 to 20 kg per plant.

Grape diseases and remedies	Grape diseases and remedies
<p>Fungus : 1) Powdery mildew</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole 1 ml + Spray Max-85 1 ml</p>	<p>2) Black rot</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm+ Captan 2 gm + Streptocycline 6 gm / 50 L + Spray Max-85 1 ml</p>
<p>3) Downy mildew</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Captan / Propineb / M-45 2 gm + Spray Max-85 1 ml</p>	<p>4) Alternaria blight</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p>
<p>5) Foot rot</p>  <p>Treatment : Drenching (volume per liter) Propiconazole (Tilt) - 3 ml + Defend 2 gm + Mancozeb 2 gm + Spray Max 85 - Drenching the infected plants three times a week by preparing 5 liter of water solution for one plant</p>	<p>6) Anthracnose</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Zenab 2 gm + Spray Max-85 1 ml</p>

7. Blue Mould Rot



Treatment : Spraying (volume per liter)

- 1) **Defend 2 gm** + Metalaxyle 35% 1 gm + Streptocycline 6 gm / 50 L + **Spray Max-85** 1 ml
- 2) Copper oxychloride 2 gm + valida mycine 1 ml + Spray Max 85 1 ml

8. Black Mould Rot



Bacterial Blight: Bacterial leaf spot

Treatment : Spraying (volume per liter)

(Fruit Special 1 kg per acre apply in soil through drip irrigation or drenching)

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



Sucking pest:



Thrips

Red mites

Aphids / jassids

Leaf hopper

White fly

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

Mealy bug:

Treatment : (Volume per liter)

Rapid 1.5 ml + Clothianidine (Dentotsu) 0.4 gm + **Spray Max-85** 1 ml



Pest:

Leaf folder Larva /
Steam Borer

Insecticide:(Volume per liter of water)

Emamectin 1 gm + Dichlorvose 1 ml + **Spray Max-85** 1 ml
Deltamethrin 1ml + Chlorpyrifos 1ml + **Spray Max-85** 1 ml



Harit Sanjivani Crop Schedule

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 a day)

On the second day, mix 500 grams of Soil Health Special 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.



Instructions :

- 1) **Harit Sanjivani Fruit Special, Defend** can be mixed with any pesticides, insecticides, fungicides except only alkaline such as Copper, Sulphour, Bordeaux mixture.
- 2) Apply **Spray Max-85** in the ratio of 1 ml per liter in every spraying.
- 3) Apply **Fruit Special 2 gm** per liter in every 20 to 25 in a span of days after the 5th spraying of **Fruit Special** as per the need to increase the size of fruits.

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