



Harit Sanjivani Crop Schedule

Crop: Apple

Sowing time: January to February, March - April Flowering, September to November harvesting

How to apply Harit Sanjivani Products

Seed process: While planting drenching in the roots of the plant by preparing a solution of **Defend 3 gm + Spray Max-85 1 ml per liter of water.**

For the growth and development of plants, apply Harit Sanjivani Soil Health Special 500 gm per acre once in 3 to 4 months intervals in soil. 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 by adding 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 500 gm for 25 plants

While picking spring or up to 20 days after 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
Rapid
Defend

Spraying should be done in 15 to 25 days after picking spring.
(Growth stage of leaves)
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 gm + Spray Max-85 1 ml per liter of water
Rapid
Defend

Spraying should be done in stage of flowers initiation.

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 2gm + Spray Max-85 1ml per liter of water
Rapid

Spraying should be done of flowers conversion in to fruits.
(Fruit setting stage)
Rapid 2 ml per liter of water for sucking pest



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| | |
|---|--|
| Defend | Defend 2 gm per liter of water to prevent fungal diseases |
| Harit Sanjivani Soil Health Special 500 gm for 25 plants | The transformation of flowers into fruit (fruit setting stage) apply in soil by mixing with any chemical and organic manure or in 40 to 50 kg 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 | After 3 rd spraying of fruit special, spray it in 25 to 30 days. (Growth stage of fruits) 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 2 gm + Spray Max-85 1 ml per liter of water Rapid (as required) Defend | After 4 th spraying of fruit special, spray it in 25 to 30 days. (Growth stage of fruits) 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 Nutrients







| Tree age | Cow dung / compost manure (kg) (per tree) | Nitrogen (gm) (per tree) | Phosphorus (gm) (per tree) | Potash (gm) (per tree) |
|------------------------------|---|--------------------------|----------------------------|------------------------|
| 1 year | 10 | 300 | 200 | 300 |
| 2 years | 20 | 400 | 200 | 400 |
| 3 year | 30 | 500 | 250 | 500 |
| 4 years | 40 | 600 | 250 | 600 |
| 5 years or more than 5 years | 50 | 700 | 350 | 700 |



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Microenterology: -

1. Mix Micronutrients 50 gm Per Tree, Sulfur (90% WDG) - 3 kg per acre apply with cow dung or compost.
2. For root knot nematodes apply Neem powder 500 gm per tree.
3. Organic fertilizers such as Trichoderma, Pseudomonas, Phosphorus soluble bacteria, Azotobacter mix 25 gm per tree with cow dung or compost manure.

| Apple diseases and remedies | Apple 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>1) Black rot</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Captan 2 gm + Strepto Cycline 6 gm / 50 L + Spray Max-85 1 ml</p> |
| <p>2) Scab</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Captan 2 gm + Spray Max-85 1 ml</p> | <p>3) Flyspeck</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p> |
| <p>4) Sidar Rust</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Metalaxyle (+) Mancozeb 2 gm + Spray Max-85 1 ml</p> | <p>5) Phytophthora</p>  <p>Treatment : Spraying (volume per liter) Defend 2 gm + Hexaconazole (+) Zenab 2 gm + Spray Max-85 1 ml</p> |
| <p>6) Phytophthora Root Rot</p> | |

Treatment : Drenching (volume per liter)

- 1) **Defend 2 gm** + Metalaxyl 35% 1.5 gm + **Spray Max-85** 1 ml
- 2) Copper Oxychloride 3 gm per liter + Validamycin 2 ml + **Spray Max-85**- 1 ml per liter



Bacterial Blight: Fire Blight

Treatment : Spraying (volume per liter)

(Fruit Special 500 gm per 20 plants apply in soil)

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



Sucking pest:



Thrips

Red mites

Aphids

Jassids

Spider mites

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:

Fruit borer

Shoot / Steam Borer
/ Codling Moth

Fruit fly (golden fly)

Fruit Sucking Moth
(Kite)

Insecticide:(Volume per liter of water)

Emamectin 1 gm + dichlorvos 1 ml + **Spray Max-85** 1 ml

Deltamethrin 1ml + Chlorpyrifos 1ml + **Spray Max-85** 1 ml

Fluebendamide 0.5 g + Dichlorvos 1 ml + **Spray Max-85** 1 ml

Rapid 1 ml + phenpropathrin 1 ml + dichlorvos 1 ml + **Spray Max-85** 1 ml



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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 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.



Instructions :

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

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