



# Harit Sanjivani Crop Schedule

## Crop: Potato

Sowing time: kharif Season from June to July, Rabi Season September to October, January to February, Crop duration: 90 to 100 days

### How to apply Harit Sanjivani Products

**Seed process: Mix Defend 250 gm + Spray Max-85 250 ml in 100 liters of water and immerse seeds in it.**

Products of Harit Sanjivani	Time & Method of Apply
<b>Harit Sanjivani Stage 1 - 250 gm + Soil Health Special 500 gm</b> (Per acre)	While sowing or from sowing 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.
<b>Harit Sanjivani Stage 2 + Spray Max-85 1 ml per liter of water</b> <b>Rapid</b> <b>Defend</b>	Spraying should be done in 20 to 25 days after sowing the potato. (Vegetative growth stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Stage 3 + Spray Max-85 1 ml per liter of water</b> <b>Rapid</b> <b>Defend</b>	Spraying should be done in 35 to 45 days after sowing the potato. (Vegetative & flowering stage) Rapid 2 ml per liter of water for sucking pest Defend 2 gm per liter of water to prevent fungal diseases
<b>Harit Sanjivani Stage 4 + Spray Max-85 1 ml per liter of water</b> <b>Rapid</b> <b>Defend</b>	Spraying should be done in 60 to 70 days after sowing the potato. (Vegetative & Fruit 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 Nutrients

(Amount 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 sowing potato, Nitrogen - 40 kg, Phosphorus - 25 kg, Potash - 50 kg, Mix Micronutrients- 20 kg, Sulphour (Granule) - 10 kg or Sulphour (90% WDG) - 3 kg.

2) Up to 30 days from sowing of potato Nitrogen- 30 kg.

Potato diseases and remedies		Potato diseases and remedies	
<p><b>Fungus :</b></p> <p><b>1) Early Blight</b></p>  <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Metalaxyle (+) Mancozeb 2 gm + <b>Spray Max-85</b> 1 ml</p>	<p><b>2) Late B light</b></p>  <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Hexaconazole(+)<b>Captan 2 gm</b> + <b>Spray Max-85</b> 1 ml</p>		
<p><b>3) Scab</b></p>  <p><small>Tubers showing disease symptoms</small></p> <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Captan 2 gm + <b>Spray Max-85</b> 1 ml</p> <p><b>Drenching:</b> (volume per liter)  <b>Defend 2 gm</b> + Metalaxyle35% 1.5 gm + <b>Spray Max-85</b> 1 ml</p>	<p><b>3) Fusarium wilt</b></p>  <p><b>Treatment :</b> Spraying (volume per liter)  <b>Defend 2 gm</b> + Hexaconazole (+) captan 2 Gram + <b>Spray Max-85</b> 1 ml</p> <p><b>Drenching:</b> (volume per liter)  Copper oxychloride 3 gm + Valida mycine 2 ml + <b>Spray Max-85</b> 1 ml</p>		
<p><b>Viral : Mop Top / Alfalfa Mosaic</b></p> <p><b>Treatment :</b> Spraying (volume per liter)  <b>Rapid 2 ml</b> + Acephate (Asataf) 1.5gm + <b>Spray Max-85</b> 1 ml</p> <p>After 2 days from this spraying take 2<sup>nd</sup> spray  <b>Fruit special 2 gm</b> + 13: 40: 13 - 5 gm + <b>Spray Max-85</b> 1 ml</p>			

## Bacterial Spot

**Treatment :** Spraying (volume per liter)

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

**Drenching:** (volume per liter)

Copper oxychloride - 2 g + Validamycin 2 ml + **Spray Max-85** 1 ml



## Sucking Pest :

Thrips

Aphids/Jassids

Red mites

White fly

Leaf hopper

Mealy bug



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

### Pest:

Leaf borer

/

Spodeptora /

Beetle

Kites

### Insecticide:

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

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

Novaluron (+) Emamectin (Barazide) 3 ml + **Spray Max-85** 1 ml

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

## 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 solution in it and drench near 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 15–15 days.

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