

Green Chilli Plant Probiotics

Green Chilli Plant Probiotics Formulation by NTHRYS

Plant Probiotics Standardized by NTHRYS for Chilli Cultivation addresses below parameters in order to assist farming community to achieve better profits in Chilli Cultivation.

1. Increase in crop yield.
2. It protects the crop from Virus Diseases, such as Leaf curl Virus, Tobacco Mosaic Virus and Tomato Spotted Wilt Virus (Infecting In Chilli Crop).
3. Enhancement in Nutrient Uptake and Metabolic Health.
4. Increasing Plant Height.
5. Increases Stem Diameter, Leaf Length and Width.
6. Increases Chlorophyll Content.
7. Increases Soil Catalase Activity and the Quantity and Biodiversity of Viable Bacteria.
8. Enhancement in Rhizosphere Activity.
9. Solubilization of Phosphorus.
10. Solubilization of Potassium.
11. Increase Soil Fertility.

NTHRYS Research Team has formulated Chilli Plant Probiotics Formulation using a battery of Microbial Consortium (> 20 strains) to address all the above Objectives.

NTHRYS Plant Probiotics should not be mistaken as Biofertilizers. They are next generation plant supporting microbiome to support respective farmers to gain good profits with their produce.

Application Process :

Soil Treatment Before crop initiation:

1. The soil is treated with **formulation**, before initiating Chilli plantation.

2. 3 Lit **offormulationis** mixed with 100 Kg of Farm Yard Manure (FYM) 1 to 2 days before broadcasting per acre.

Seed Treatment :

1. Chilli seeds are treated with **formulation**.
2. The seeds are mixed with **formulation** for half an hour and dried under shade. (200 ml **offormulation** for 5kg of seeds).
3. 1 to 2 ml **offormulationis** dropped on the soil where seed is sown.

Transplanting:

1. The seedlings are dipped **in** **formulation** for half an hour and transplanted in the main field.

Disease Management in Chilli:

1. Chillies suffer from various diseases like Anthracnose, Fruit Rot, Dieback, Bacteria Wilt, Mosaic Disease, Powdery Mildew, Leaf Spot etc.,.
2. Spraying **formulation** on the plant as well as at the base would help prevent the diseases.

Biofertilizer Dosage at various Phases:

1. **Germ Phase:** 500 ml **offormulation**+ 150 lit water + 1.35 kg of rock salt one day before spraying per acre. This should be done after dicotyledonous capsicum plants have formed further leaves.
2. **Growth Phase:** 1 lit **offormulation**+ 200 lit water + 1.8 kg of rock salt one day before spraying per acre till two months and 2 lit **offormulation** added to 300 lit of water + 2.7 kg of rock salt one day before spraying per acre till four months. **formulation** Spraying and **formulation**+ **FYM** mixture (3 Lit **offormulationis** mixed with 100 Kg of Farm Yard Manure (FYM) per acre) addition can be done once per every two weeks or alternatively per week.
3. **Flowers and Fruit Formation Phase:** 2 lit **offormulation** added to 300 lit of water + 2.7 kg of rock salt one day before spraying per acre from 4th to 6th Month. **formulation** Spraying and **formulation**+ **FYM** mixture addition can be done once per every two weeks or alternatively per week.

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