Okra Plant Probiotics Formulationby NTHRYS

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

1. Increase in fruit yield and quality.
2. It protects the crop from pests and diseases, such as Aphids, Okra Mosaic Virus, and Fusarium Wilt.
3. Enhancement in Nutrient Uptake and Metabolic Health.
4. Improving Plant Vigor and Fruit Size.
5. Increases Leaf Size and Photosynthetic Efficiency.
6. Increases Chlorophyll Content.
7. Increases Soil Enzyme Activity and the Quantity and Biodiversity of Viable Microorganisms.
8. Enhancement in Rhizosphere Activity.
9. Solubilization of Phosphorus.
10. Solubilization of Potassium.
11. Increase Soil Fertility.

NTHRYS Research Team has formulated Okra Plant Probiotics Formulationusing 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 Okra planting.
2. 3 Lit of**formulation**is mixed with 100 Kg of Farm Yard Manure (FYM) 1 to 2 days before planting per acre.

Seed Treatment :

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

Transplanting: Not applicable for Okra as it is typically direct-seeded.

Disease Management in Okra:

1. Okra suffers from various pests and diseases like Okra Yellow Vein Mosaic Virus, Root Knot Nematodes, and Powdery Mildew.
2. Spraying**formulation**on the plant as well as at the base would help prevent these diseases and pest infestations.

Probiotic Dosage at Various Growth Phases:

1. **Germination Phase**: 500 ml of**formulation**+ 150 lit water + 1.35 kg of Epsom salt one day before spraying per acre. This should be done after the Okra seeds have germinated.
2. **Vegetative Growth Phase**: 1 lit of**formulation**+ 200 lit water + 1.8 kg of Epsom salt one day before spraying per acre until plants are fully established.
3. **Flowering and Fruit Formation Phase:**2 lit of**formulation**added to 300 lit of water + 2.7 kg of Epsom salt one day before spraying per acre from the onset of flowering until fruit maturity. **formulation**Spraying and**formulation**+ **FYM** mixture (3 Lit of**formulation**is mixed with 100 Kg of Farm Yard Manure (FYM) per acre) addition can be done once per every two weeks during active growth periods.

Issued by:
NTHRYS OPC PVT LTD
Ph: +91 - 7093184748
Web: www.nthrys.com
Email: smo@nthrys.com

Last Updated: 20 May 2024 9:34 am