

Lotus Plant Probiotics

Lotus Plant Probiotics Formulation by NTHRYS

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

1. Enhancement in bloom size and color vibrancy.
2. It protects the plant from pests and diseases, such as Lotus Leaf Blight, Crown Rot, and Aquatic Weevils.
3. Enhancement in Nutrient Uptake and Metabolic Health.
4. Improving Plant Vigor and Bloom 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 Lotus 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: Not typically applicable for Lotus as it is an aquatic plant.

Water Treatment Before Planting: The water in which Lotus will be planted is treated with **formulation**, to improve water quality and microbial balance. Mix 3 Lit of **formulation** with water in the pond or container where Lotus will be planted, at least 1 to 2 days before introducing the plants.

Seed/Rhizome Treatment :

1. Lotus seeds or rhizomes are treated with **formulation**.
2. The seeds or rhizomes are soaked in **formulation** for half an hour before planting. (Use a dilute solution of **formulation** for soaking).

Disease Management in Lotus:

1. Lotus suffers from various pests and diseases like Snails, Leaf Spot, and Rhizome Rot.
2. Treating the water with **formulation** as well as directly applying to the plant and its immediate surroundings can help prevent these issues.

Probiotic Dosage at Various Growth Phases:

1. **After Planting:** 500 ml of **formulation** + appropriate volume of water for the pond or container + 1.35 kg of Epsom salt one day before applying. This should be mixed in the water where Lotus is planted, immediately after planting seeds or rhizomes.
2. **Vegetative Growth Phase:** Repeat the after planting treatment once every two weeks to support growth until the plant is fully established.
3. **Pre-bloom and Bloom Phase:** Continue with the same dosage during the pre-bloom and bloom phase to enhance bloom size and color vibrancy, applying once every two weeks.

Issued by:

NTHRYS OPC PVT LTD

Ph: +91 - 7093184748

Web: www.nthryst.com

Email: smo@nthryst.com

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