

Nelumbo Plant Probiotics

Nelumbo (Lotus) Plant Probiotics Formulation by NTHRYS

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

Water Treatment Before Planting:: The water in which Nelumbo (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 Nelumbo (Lotus) will be planted, at least 1 to 2 days before introducing the plants.

Seed/Rhizome Treatment :

1. Nelumbo (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 Nelumbo (Lotus):

1. Nelumbo (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 Nelumbo (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.

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