

Ladys Slipper Plant Probiotics

Ladys Slipper Plant Probiotics Formulation by NTHRYS

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

1. Enhancement in bloom size and color vibrancy.
2. It protects the plant from pests and diseases, such as Fungal Root Rot and Leaf Spot.
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 Lady s Slipper 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 Ladys Slipper Orchid planting.
2. 3 Lit **offormulationis** mixed with 100 Kg of Farm Yard Manure (FYM) 1 to 2 days before planting per acre.

Seed Treatment : Not typically applicable for Ladys Slipper Orchids as they are usually propagated via division or from seed in specialized conditions.

Rhizome/Division Treatment: The rhizomes or divisions are treated with **formulation** before planting to enhance root growth and plant health. (Apply a dilute solution of **formulation** to the rhizomes or divisions before planting).

Disease Management in Lady s Slipper Orchid:

1. Ladys Slipper Orchids suffer from various pests and diseases like Slugs, Snails, and Orchid Viruses.
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. **After Planting:** 500 ml **offormulation**+ 150 lit water + 1.35 kg of Epsom salt one day before spraying per acre. This should be done immediately after planting rhizomes or divisions and before new growth begins.
2. **Vegetative Growth Phase:** 1 lit **offormulation**+ 200 lit water + 1.8 kg of Epsom salt one day before spraying per acre until plants are fully established.
3. **Pre-bloom and Bloom Phase:** 2 lit **offormulation** added to 300 lit of water + 2.7 kg of Epsom salt one day before spraying per acre. Repeat application during the pre-bloom and bloom stages to enhance bloom size and color vibrancy. **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 during active growth periods.

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