

## Glory Lily Plant Probiotics

# Glory Lily Plant Probiotics Formulation by NTHRYS

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

1. Enhancement in flowering frequency and vibrancy.
2. It protects the plant from pests and diseases, such as Spider Mites, Aphids, and Fungal Root Rot.
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 Glory Lily 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 Glory Lily planting.
2. 3 Lit **offormulation** is mixed with 100 Kg of Farm Yard Manure (FYM) 1 to 2 days before planting per acre.

**Tuber Treatment :**

1. Glory Lily tubers are treated with **formulation**.
2. The tubers are soaked in **formulation** for half an hour before planting. (Use a dilute solution of **formulation** for soaking).

**Disease Management in Glory Lily:**

1. Glory Lily suffers from various pests and diseases like Bulb Rot, Leaf Blight, and Mosaic Virus.
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 tubers 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 vibrancy. **formulation** Spraying and **formulation** + **FYM** mixture ( 3 Lit **offormulation** 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.

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