



## Ashoka Plant Probiotics

# Ashoka Plant Probiotics Formulation by NTHRYS

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

1. Increase in overall tree health and vigor.
2. It protects the crop from pests and diseases, such as Scale Insects, Mealybugs, and Fungal Infections.
3. Enhancement in Nutrient Uptake and Metabolic Health.
4. Improving Tree Vigor and Leaf Density.
5. Increases Stem Strength and Bark Quality.
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 Ashoka 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 Ashoka tree 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 Ashoka trees as they are usually propagated via cuttings (contact us for seed treatment).

**Cutting/Seed Treatment:** The cuttings or seeds are treated with **formulation** before planting to enhance rooting and early growth. (Use a dilute solution **offormulation** for soaking cuttings or seeds for half an hour).

**Disease Management in Ashoka Trees:**

1. Ashoka trees suffer from various pests and diseases like Leaf Spot, Rust, and Root Rot.
2. Spraying **formulation** on the tree 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 cuttings or seeds 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 trees are fully established.
3. **Maintenance Phase:** 2 lit **offormulation** added to 300 lit of water + 2.7 kg of Epsom salt one day before spraying per acre. **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 to maintain tree health and vigor.

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*Issued by:*

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