



# Biodegradable Carrier-based Biofertilizers by NTHRYS

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## What is it?

Biodegradable Carrier-based Biofertilizers are advanced agricultural products that use biodegradable materials as carriers for beneficial microorganisms. These carriers, made from naturally extracted, modified, sterile materials that can be easily biodegraded in microbial activity, deliver essential microbes directly to the soil, where they enhance nutrient availability and promote healthy plant growth. As the carrier material degrades, it releases the microorganisms gradually, ensuring sustained soil fertility and long-term benefits for crops. This eco-friendly solution supports sustainable agriculture while reducing environmental impact.

## Where to use?

Biodegradable Carrier-based Biofertilizers are suitable for a wide range of agricultural and horticultural applications, including:

- **Agricultural Fields:** Enhance soil fertility and crop yields in various types of farming, including cereals, vegetables, fruits, and legumes.
- **Gardens:** Support the growth of flowers, shrubs, and trees in home gardens, community gardens, and landscaping projects.
- **Horticulture:** Improve the cultivation of ornamental plants, herbs, and fruit-bearing trees in nurseries and commercial horticulture.
- **Greenhouses:** Optimize plant growth in controlled environments, ensuring robust and healthy plants.
- **Organic Farming:** Perfect for maintaining soil fertility in organic farming systems, where synthetic fertilizers are not used.

## How to use?

Using Biodegradable Carrier-based Biofertilizers is easy and can be integrated into your existing farming or gardening practices:

1. **Application:** Apply the biofertilizer directly to the soil at the base of the plants or mix it with compost or potting soil before planting. You can also mix it with irrigation water for even distribution.
2. **Dosage:** Follow the recommended dosage based on the type of crop and soil conditions. The biodegradable carrier ensures that the microorganisms are released gradually, providing long-term benefits.

3. **Frequency:** Apply at the beginning of the planting season and reapply as needed during the growing season to maintain optimal soil nutrient levels and support plant growth.

## When to use?

The best times to use Biodegradable Carrier-based Biofertilizers include:

- **Pre-Planting:** Incorporate the biofertilizer into the soil during land preparation to enrich the soil and create a nutrient-rich environment for seeds or seedlings.
- **During Planting:** Apply at the time of planting to ensure that plants receive a strong start with readily available nutrients.
- **Mid-Season:** Reapply during the growing season to sustain plant health, especially in nutrient-demanding crops.
- **Post-Harvest:** Use after harvesting to replenish the soil, preparing it for the next planting season and maintaining long-term soil fertility.

## Advantages

Biodegradable Carrier-based Biofertilizers offer numerous advantages, making them a valuable addition to any farming or gardening practice:

- **Sustainable and Eco-Friendly:** Made from biodegradable materials, these biofertilizers reduce environmental impact and contribute to sustainable agriculture.
- **Enhanced Soil Fertility:** Improve soil structure and fertility by introducing beneficial microorganisms that promote nutrient cycling and plant health.
- **Long-Term Benefits:** The gradual release of microorganisms ensures sustained nutrient availability, supporting plant growth throughout the growing season.
- **Versatile Application:** Suitable for a wide range of crops and environments, including organic farming, horticulture, and conventional agriculture.
- **Cost-Effective:** Reduce the need for chemical fertilizers and other soil amendments, leading to lower input costs and higher profitability.

By choosing Biodegradable Carrier-based Biofertilizers, you are investing in a natural, sustainable, and effective solution for enhancing soil fertility and promoting healthy plant growth. Make the switch to this eco-friendly alternative today!

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