

# SUPERZYME® 1-0-4

## Biological Growth Factor

**Superzyme 1-0-4** is a fertilizer produced by a unique fermentation process specifically designed for root health and plant growth response. When properly applied to the soil, it will supply plant nutrients and activate the biological activities in the soil to make a healthier plant environment.

### Mode of Action

The unique organisms in **Superzyme 1-0-4** have multifunctional modes of action that promote growth and stimulate germination. Acting in colonization, the beneficial microorganisms are antagonists of plant pathogens, crowding them out on plant roots and preventing them from establishment. Additionally, these organisms solubilize fixed phosphorus for increased uptake. One of their most impressive features, however, are their ability to convert nitrogen from the atmosphere into a viable source of plant energy. Finally, the microorganisms decompose organic matter and eventually release their nutrients to the plants.

For an all-in-one multifunctional fertilizer look to **Superzyme 1-0-4** to build an optimal plant living environment.



### Product Profile

Form: Liquid

Function: Growth and germination promoting fertilizer

Compatibility: Compatible with all products

Shelf Life: Cool, shaded areas, up to 2 years



### Advantages:

- Stimulate germination
- Increase phosphorus availability
- Fix nitrogen from the air
- Produce growth promoting substances
- Colonize soils after fumigation

### Key Features

- Contains beneficial microorganisms
- Features specialized enzyme complexes
- A sustainable and non-hazardous product



## Recommended Uses

Apply 2-4 qt **Superzyme 1-0-4**, mixing with enough water to cover the entire acre, as a side dressing at planting. Do not mix **Superzyme 1-0-4** with pesticides or fungicides. **Superzyme 1-0-4** can be applied with diluted fertilizer to reduce application cost.

**Superzyme 1-0-4** can be used on all agricultural and ornamental crops applied through irrigation systems or as a foliar spray, seed soak, transplant dip, or side dress.

### Foliar Spray:

Use 2-4 qt **Superzyme 1-0-4** with enough water to cover an acre. May be used with starter fertilizer or with a pre-plant broadcast fertilizer. **Superzyme 1-0-4** is compatible with most liquid fertilizers. Use 2-4 quarts of Superzyme per acre every 4 to 6 weeks for maintenance.

### Bulk Soil Mix:

Mix 2-4 quarts **Superzyme 1-0-4** for every cubic yard of soil.

### Seed Application:

Mix 24-48 oz. **Superzyme 1-0-4** for every 5 lbs. of seed or enough to cover one acre.

### Transplant Dip:

Mix 4 oz. of **Superzyme 1-0-4** in 1 gallon of water and dip plant roots into the mixture at transplanting.



### Side Dress with Liquid Fertilizer:

First check compatibility with fertilizer. Add 2-4 qt./ac. and apply as usual.

### Pre-plant with Liquid Fertilizer:

Add 2-4 qt./ac. and apply as usual.

### Subsurface and Dip Irrigation:

Apply 2-4 qt **Superzyme 1-0-4** into irrigation system. May be mixed with fertilizer or herbicide.