



SUPERZYME® 1-0-4

BIOLOGICAL GROWTH FACTOR

OMRI
Listed



THE BIOLOGICAL WAY

SUPERZYME is a fertilizer produced by a unique fermentation process. In addition to the nitrogen content, **SUPERZYME** also contains a group of beneficial microorganisms and selected enzyme complexes. The microorganisms include billions of aerobic and anaerobic bacteria. As a consequence of the biological activities, soils treated with **SUPERZYME** will become a better environment for plants.

Guaranteed Analysis

Total Nitrogen (N).....1.0%
1% Water Soluble Organic Nitrogen
Soluble Potash (K₂O).....4.0%
Derived from hydolyzed Amino Acid and Potassium Sulfate.

Advantages of Superzyme

- Stimulate Germination
- Increase Phosphorus Availability
- Produce Growth Promoting Substances
- Colonize Soils After Fumigation
- Fix Nitrogen From the Air

MODE OF ACTION OF MICROORGANISMS:

COLONIZATION: Beneficial microorganisms are antagonists of plant pathogens. Large populations of beneficial microorganisms crowd out pathogens, preventing them from getting established.

SOLUBILIZING PHOSPHORUS: **SUPERZYME** contains microorganisms that are well known to solubilize phosphorous to increase phosphorus uptake by plants.

FIXING NITROGEN: **SUPERZYME** contains microorganisms that have the capacity to use nitrogen in the atmosphere as a viable source of energy.

DECOMPOSING ORGANIC MATTER: Decomposition of organic matter by microorganisms will release nutrients to plants.

GROWTH PROMOTING SUBSTANCES: **SUPERZYME** produces growth promoting substances which stimulate germination and plant growth.

AGRICULTURAL & ORNAMENTAL CROPS

Use SUPERZYME on all agricultural and ornamental crops. SUPERZYME can be applied through irrigation systems or as a foliar spray, seed soak, transplant dip or side dress.

FOLIAR SPRAY:

Use 2-4 quarts of SUPERZYME with enough water to cover an acre. May be used with starter fertilizer or with a pre-plant broadcast fertilizer. SUPERZYME 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 of SUPERZYME for every cubic yard of soil.

SEED APPLICATION:

Mix 24-48 oz. of SUPERZYME for every 5 lbs. of seed or enough to cover one acre.

TRANSPLANT DIP:

Mix 4 oz. of SUPERZYME 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 quarts of SUPERZYME per acre and apply as usual.

PRE-PLANT WITH LIQUID FERTILIZER:

Add 2-4 quarts of SUPERZYME per acre and apply as usual.

SUBSURFACE AND DIP IRRIGATION:

Apply 2-4 quarts of SUPERZYME into irrigation system. May be mixed with fertilizer or herbicide after checking compatibility.

DIRECTIONS FOR USE

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



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For labels and MSDS, visit our website at www.jhbiotech.com or call us at 805.650.8933