

# SUPERZYME®



## Product Information

### GENERAL INFORMATION

**SUPERZYME** is a beneficial inoculum which contains beneficial fungi and bacteria that enhance soil life. Soil is a living entity occupied by micro flora and fauna. Billions of organisms live in the soil and form dynamic relationships, some antagonistic and other synergistic. A healthy soil is one where all the organisms the plant requires are present and functioning. The use of **SUPERZYME** re-introduces these beneficial organisms that plants require to function normally. Plants grow in optimal conditions when the correct ratio of fungi to bacteria is present, and ratio of predator to prey is present. Using beneficial inoculums such as **SUPERZYME** will enable the plant to function at optimal conditions, as the organisms in the products will aid in crowding out pathogens from around the roots.

**SUPERZYME** can be applied to ALL crops including all vegetables, Potatoes, Carrots, Onions, all berries and strawberries, all Brassicas, all fruit trees, Avocados, Persimmons, Citrus, all Nut trees, Vineyards, Kiwifruit, Tropical fruit, Lettuce, Asparagus, all Melons, Beans, Ginger, Ornamentals, Cut flowers and Pastures.

### GUARANTEED ANALYSIS

*Bacillus subtilis*, *Pseudomonas putida*, *Trichoderma koningii*, and *Trichoderma harzianum*

2 x 10<sup>10</sup> spores / gram

Enzyme Complexes: Protease, Amylase and Lipase

### KEEP OUT OF REACH OF CHILDREN

**SUPERZYME** may be rendered ineffective in the presence of high levels of Copper. This biological product may be killed if combined with Bactericides, soil fumigants, aqueous ammonia, phosphoric acid, chlorine, or sulphuric acid. If applied with large doses of fertilisers, there is a possibility of salt toxicity to the beneficial organisms. Always mix **SUPERZYME** with clean water.

### How to Clean Spray Tank, Filters, and Accessories:

Remove spray tank filters. Soak them for 3-4 hours in a concentrated Urea solution (2kg of Urea in 10 lt of water). Dissolve 5 kg of Urea in 1000L spray tank. Run the pump until all hoses and nozzles are filled with urea solution. Flush filters and spray tank prior to spraying **SUPERZYME** in the late afternoon.

### NET CONTENTS

1 kilogram Lot #

Expiry Date:

Imported and Distributed in Australia exclusively by: Zadco For Quality Gro PTY LTD. ABN 57080 759 084 | 9/9A Foundry Road, Seven Hills NSW 2147  
Ph: 02 9838 9111 Fax: 02 9838 9110 | email: [inquiries@zadco.com.au](mailto:inquiries@zadco.com.au) website: [www.zadco.com.au](http://www.zadco.com.au) Imported and Distributed in New Zealand exclusively by:  
Roots Shoots and Fruits Ltd | PO Box 72, Waieke Island, Auckland, New Zealand | Ph: +64(0) 9372 9155 Fax: +64(0) 9372 9156 | email: [rsf@rd2.co.nz](mailto:rsf@rd2.co.nz)  
website: [www.rd2.co.nz](http://www.rd2.co.nz) Manufactured by: JH BIOTECH, INC. PO Box 3538, Ventura, CA 93006, USA

## Directions and General Recommendations

### SOIL APPLICATION

**TRANSPLANTING DIP:** Apply **SUPERZYME** at 50 - 100 grams / 50 L of water and dip seedlings (roots and leaves) or water the seedlings while in trays before transplanting.

**CUTTINGS, BULBS & POTTING MIXES:** Apply **SUPERZYME** at 50 - 100 grams / 50 L of water and dip cuttings or bulbs prior to planting.

**SEED PICKLING:** (grain crops: Wheat, Barley chick peas, Potatoes etc.) Apply 1-2 kilogram of **SUPERZYME** per tonne of seed and plant immediately thereafter.

**ALL VEGETABLE CROPS:** Apply 1.0 kilogram per hectare of **SUPERZYME** at planting. Repeat the application 3-4 weeks later.

**GREENHOUSE CROPS:** Apply **SUPERZYME** at a rate of 100 grams per shed (400 sqm). Repeat this application every month.

**APPLES, POME & STONE FRUITS:** Apply 1 kilogram per hectare of **SUPERZYME** at any stage in the spring. Repeat early in Autumn or as required.

**FRUIT TREES, NUT TREES & AVOCADOS:** Apply 1 kilogram per hectare of **SUPERZYME** at any stage in the spring. Repeat mid season and early in autumn.

### LIMITED WARRANTY

Manufacturer or reseller makes no warranty, whether expressed or implied, concerning the use of this product other than for the purposes indicated on the label. Neither manufacturer nor reseller shall be liable for any injury or damage caused by this product due to misuse, mishandling or any application not specifically described on the label.

**KIWI FRUIT:** Apply 1 kilogram per hectare of **SUPERZYME** at any stage in the spring. Repeat early in Autumn or as required.

**GRAPES:** Apply 1 kilogram per hectare of **SUPERZYME** at any stage in the spring. Repeat early in Autumn or as required.

### FOLIAR APPLICATION

Activate for 3 - 4 hours in water prior to spraying. Apply **SUPERZYME** at 1 gram / 1 Litre of water or 1kg/ha and spray on to the foliage & fruits of the plants late afternoon. Repeat as needed. A minimum of 1 kilogram per hectare is required. No withholding period.

**GRAPES & CITRUS:** Best application timings for grapes are at 80% cap fall, at bunch closure and before harvest and or after a sudden rainfall - to be used at 1kg/ha per application. Repeat as needed. No withholding period.

**KIWI FRUIT:** Best application timings for kiwifruit are at 80% cap fall, and before harvest and or after sudden rainfall - to be used at 1kg/ha per application. Repeat as needed. No withholding period.

**SUPERZYME** is best applied when plants are in an active growing stage, during and after irrigation or rainfall. **SUPERZYME** may be used at any time throughout the season. For best results and more specific recommendations, contact your nearest distributor.