

POWDER

# SoluPhos<sup>®</sup> SP

## Microbial Inoculant



### Product Information

#### About SoluPhos<sup>®</sup> SP

**SoluPhos<sup>®</sup> SP** is a powder microbial inoculant containing highly efficient Phosphate solubilizing bacteria *Bacillus licheniformis*.

While Phosphorous is a major nutrient for plant growth and root formation, most of the Phosphorous in soil is in an insoluble form. The *Bacillus licheniformis* in **SoluPhos<sup>®</sup> SP** tackles this issue by growing and secreting organic acid in soil and dissolving the fixed Phosphate into a plant utilizable form. Thus, plants can utilize the residual Phosphate in soil and they can optimize external applications of fertilizers.

#### Guaranteed Analysis

*Bacillus licheniformis* 4.5x10<sup>9</sup> CFU/gram

ALSO CONTAINS NONPLANT FOOD INGREDIENT  
3.0% Humic Acids (Derived from Leonardite)

KEEP OUT OF REACH OF CHILDREN

#### Net Contents

1 Kg  10 Kg  25 Kg

LOT:

BEST BEFORE:

### Directions and General Recommendations

#### Soil Application

**TRANSPLANTING DIP:** Apply **SoluPhos<sup>®</sup> SP** 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 **SoluPhos<sup>®</sup> SP** at 50 - 100 grams / 50 L of water and dip cuttings or bulbs prior to planting. Also apply **SoluPhos<sup>®</sup> SP** at 50 - 100 grams / 10 - 20L per 1 cubic meter of potting mix and plant seedlings.

**SEED PICKLING (GRAIN CROPS: WHEAT, BARLEY CHICK PEAS, POTATOES ETC.):** Apply 0.5 - 2Kg / ha of **SoluPhos<sup>®</sup> SP** per tonne of seed and plant immediately thereafter.

**ALL VEGETABLE CROPS:** Apply 0.5 - 2Kg / ha of **SoluPhos<sup>®</sup> SP** at planting. Repeat the application 3-4 weeks later.

**GREENHOUSE CROPS:** Apply **SoluPhos<sup>®</sup> SP** at a rate of 100 grams per shed (400 sqm). Repeat this application every month.

**APPLES, POME & STONE FRUITS:** Apply 0.5 - 2Kg / ha of **SoluPhos<sup>®</sup> SP** at any stage in the Spring. Repeat early in Autumn or as required.

**FRUIT TREES, NUT TREES & AVOCADOS:** Apply 0.5 - 2Kg / ha of **SoluPhos<sup>®</sup> SP** at any stage in the Spring. Repeat mid season and early in Autumn.

**KIWI FRUIT:** Apply 0.5 - 2Kg / ha of **SoluPhos<sup>®</sup> SP** at any stage in the Spring. Repeat early in Autumn or as required.

#### Limited Warranty

Manufacturer or retailer 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, misbranding or any application not specifically described on the label.

**GRAPES, MANGO, BANANA & ALL TROPICAL FRUIT TREES:** Apply 0.5 - 2Kg / ha of **SoluPhos<sup>®</sup> SP** any stage in the Spring. Repeat early in Autumn or as required.

#### Seed Pickling Protocol

Apply 0.5 - 2kg in 5.6 L of water and apply onto 1 ton of wheat seed while on a conveyor belt and plant immediately afterwards.

**NB:** If growers and seed companies want to pickle the seeds with **SoluPhos<sup>®</sup> SP**, fungicides and store them for up to 1 month, they need to heat dry them at a maximum temperature not exceeding 45 Degrees Celsius.

For pickling other grain seeds, please ask the supplier for the protocol of seed coating or pickling.

#### Storage

Store **SoluPhos<sup>®</sup> SP** in cool dry places. Avoid direct sunlight and heat.

#### Compatibility

ALWAYS mix **SoluPhos<sup>®</sup> SP** with clean water. **SoluPhos<sup>®</sup> SP** may be rendered ineffective in the presence of high rates of Copper.

This biological product may be killed if combined with Bactericides, soil fumigants, Aqueous Ammonia, Phosphoric acid, Chlorine, or Sulphuric acid.

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PO Box 6973 Baulkham Hills BC, Sydney NSW Australia 2153 | T (02) 8814 6245 | F (02) 8814 6247 | E info@jhibiotech.com.au  
Manufactured by JH BIOTECH, INC. PO Box 3538, Ventura, CA 93006, USA