



BIOLOGICAL PRODUCTS

Soluphos™ SP

Phosphorous-solubilising bacteria
Bacillus licheniformis

Soluphos™ SP is comprised of a Phosphorous-solubilising bacterium, *Bacillus licheniformis*. This bacteria produces organic acids and enzymes to solubilise not only Phosphorous, but also Calcium while mobilising other trace elements and Potassium. It converts these nutrients to metabolisable forms making them readily available to plants.

The Soluphos™ SP Advantage

- Soluphos™ SP has dual action capability:
 - 1) mine fixed Phosphorous and other trace elements
 - 2) increases availability of applied Phosphorous
- This eliminates the stress on plants caused by too much or insufficient Phosphorous and results in better overall plant and soil health to improve growth and increase yield.
- Certified Organic.



CERTIFIED
ORGANIC



POWDER



ECO-FRIENDLY

Guaranteed Analysis

<i>Bacillus licheniformis</i>	4.5 x 10 ⁹ (cfu) / gram
Humic Acids	3%
(Derived from Leonardite)	

ALSO CONTAINS NON-PLANT FOOD INGREDIENT

Benefits

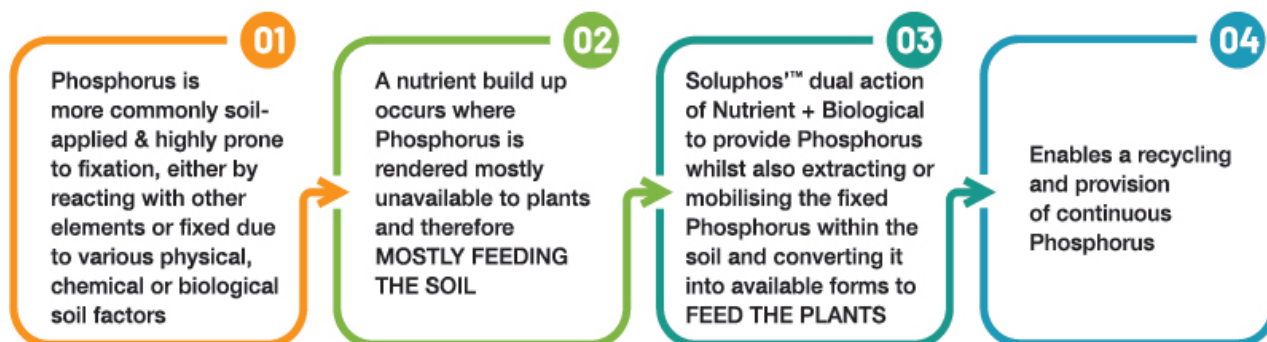
- Dissolves and unlocks Phosphorous, calcium, potassium and other trace elements and converts them to highly available forms for uptake by the roots of plants
- Suppresses detrimental organisms hence increasing productivity of crops
- Builds organic matter in the soil
- Stimulates plant growth through the synthesis of growth promoting substances
- Increases nutrient content and density of vegetables and fruits
- Improves crop productivity, quality and shelf life
- Increases the efficiency of applied Phosphorous fertilisers thereby reducing the amount of total Phosphorous inputs needed
- Improves soil fertility through the conversion of insoluble P to soluble P through the release of organic acids
- Improves Chelation
- Improves Ion exchange
- Biologicals have no re-entry limits, no harvest withholding periods and no MRLs
- Organic and safe to use



Available Pack Sizes

1 kg SOLUPHOS™ SP FREEZE-DRIED SOLUBLE POWDER
10 kg

INNOVATION FOR SAFER AGRICULTURE



Application Guidelines

APPLICATION	RATE OF APPLICATION
Drip Irrigation	0.5-1kg/ha
Pivot and Sprinkler Irrigation	2kg/ha
Seed Pickling	1-2kg/ton of wheat seeds

For more information on application rates and timing relevant to your crop or circumstances please contact your local distributor or visit www.zadco.com.au

Disclaimer: Any rates of application and timing may vary and are subject to change according to crop variety, crop demand for nutrient/s, seasonal variations, and crop circumstance. Technical advice is provided to growers on the basis that the information supplied by the grower or agent is correct and that any technical support obtained from third parties (e.g. soil and leaf analysis results) is also correct at the time of preparation of the report. Zadco does not accept any liability whatsoever and howsoever arising from the use of the technical advice and the products used, should the information supplied to Zadco be incorrect or inaccurate. For warranty details, please refer to JH Biotech's warranty on the product label.

The effects of Soluphos™ SP on the nutrient content of lettuce

TREATMENT	NUTRIENT CONTENT OF TRACE				
	Zn	Mn	Fe	Cu	B
CONTROL	17	39	86	4.6	22
SOLUPHOS™ SP	16	42	130	6.5	24

Soluphos™ SP Treatment

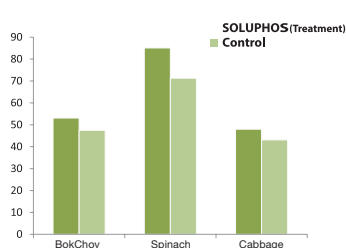


Fig 1. The effect of Soluphos™ SP on the growth of different leafy vegetables

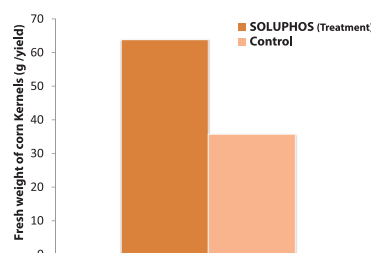


Fig 2. The effect of Soluphos™ SP on the growth of sweet corn



Fig 3. The growth of spinach after Soluphos™ SP treatment



Fig 4. The effect of Soluphos™ SP on the productivity of sweet corn

Compatibility

Soluphos™ SP is compatible with almost all herbicides, fungicides and insecticides. Soluphos™ SP is NOT compatible with Copper or any Copper- containing products, Chlorine, disinfectants or fumigants. Do NOT mix with extreme acidic or alkaline chemicals with pH less than 4 or pH greater than 9.

Product Handling & Storage

Soluphos™ SP is stable under normal storage conditions. Store in a cool, dry place. AVOID exposure to moisture, heat and sunlight. Do not store for prolonged periods in moist conditions. Shelf Life: Best used within 2 years from date of manufacturing.

www.zadco.com.au