

# NUTRIENT SOLUBILISER

## TECHNICAL DATA SHEET

### Product Overview

- Easy to mix liquid.
- High concentration formulation.
- Facilitates quick and effective breakdown of mineral nutrients making them plant-available.
- Made in Australia.
- Suitable for boomspray application.
- Specially selected strains optimised for survivability and multiplication in Australian conditions.
- Available in 20L drums or 1000L IBC shuttles.

Organisms	Concentration (CFU/ml)
<i>Enterobacter cloacae</i>	$>2 \times 10^9$
<i>Trichoderma harzianum</i>	$>2 \times 10^8$
<i>Aspergillus niger</i>	$>2 \times 10^7$
<i>Penicillium radicum</i>	$>1 \times 10^7$

### Directions for use - Broadcast

1. Shake well before use.
2. For best results apply in late afternoon, early evening or overnight. Avoid times of high heat and intense sunlight.
3. Use the rate table above to determine the application rate and associated water rate.
4. Broadcast at usual pressures ensuring coverage of the targeted area.

### Directions for use - Liquid Injection

1. Calibrate liquid injection volumes based on row spacings. For assistance refer to the GSB Liquid Injection Calculator at [www.greatsouthernbiology.com.au](http://www.greatsouthernbiology.com.au)
2. An application rate of over 1.5ml per lineal meter is desirable.
3. Mix Nutrient Solubiliser with cool, clean, non-chlorinated water.
4. Ensure holing tank is free from chemical contaminants.
5. If sowing dry consider mixing Nutrient Solubiliser with "Protecta" microbial survival polymer before tank mixing.

### Directions for use - Fertiliser & Seed Coating

1. Shake well before use.
2. Mix 2L of Nutrient Solubiliser with 2L of GSB's Protecta and 2L of cool, clean, non-chlorinated water. Spread this 6L mix over 1t of seed or fertiliser as it passes through an auger or similar agitation system.
3. Seed/fertiliser should be dry to the touch after application.
4. Sow seed/fertiliser in accordance with normal procedure.

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### Directions for use - Foliar application

1. Shake well before use.
2. For best results apply in late afternoon, early evening or overnight. Avoid times of high heat and intense sunlight.
3. Mix Nutrient Solubiliser in accordance with the table below.
4. Stir thoroughly.
5. Product is compatible with macro and micronutrients but should not be left mixed overnight. For best results distribute the mixture through fertigation system immediately after mixing.

	<b>Horticulture</b>	<b>Broadacre</b>
Application rate (L/Ha)	5-10 L/ha	1-2 L/Ha
Water rate (L/Ha)	500-100 L/Ha	60-100 L/Ha

### Avoid

- Broadcasting during excessive heat and/or sunlight, particularly in the middle of the day
- Mixing with herbicides, fungicides or pesticides (particularly Group B & I)
- Mixing with water at pH lower than 5.5
- Chlorinated water

### Storage & Handling


Store at ambient temperature out of direct sunlight. Product contains live micro-organisms that can be adversely effected by sudden changes in temperature. Do not freeze. Keep out of reach of children. Read material safety data sheet before use.


### Shelf Life

This product carries a 12 month shelf life from the date of manufacture. Read and follow the label instructions and the MSDS.

### Further Information

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