



NTS Super Soluble Humate Granules™



Soluble humic acid in a versatile, user-friendly 0.2 - 1 mm particles.

This product is soluble and comprises around 85% humic acids and 10.5% potassium. These humates can be readily dissolved without the dust factor associated with humate powders. The rapid solubility of these granules facilitates a successful fusion with soluble fertilisers which is particularly important for reducing the lock-up rate of soluble phosphate sources, stabilising urea, chelating and complexing elements and buffering high sodium and heavy metals.

Benefits

- Biological Farmers of Australia (BFA) registered product 456AI.
- Humic acid is a powerful fungi promotant. Beneficial fungi are the missing link in many soils.
- Stabilises nitrogen and improves nitrogen efficiency (ideal as an additive with urea).
- Complexes phosphate to reduce lock-ups (ideal as an additive with DAP/MAP, etc).
- Natural chelating and complexing agent to help magnify nutrient absorption.
- Increases the permeability of cells to increase nutrient uptake by up to 40 %.
- Contains an auxin-like growth promotant that can enhance cell division and elongation.
- Can buffer the effects of excessive elements (particularly sodium), toxic chemicals and heavy metals.
- pH buffering capacity to help neutralise the problems associated with pH extremes.
- Features a CEC of 450 which aids in moisture and nutrient retention.
- Promotes seed germination in a shorter time.
- Has a nature which assists in soil wetting.
- Promotes soil structure improvement by promoting fungi to create a crumb structure for better water and oxygen intake and improved root penetration.
- Microbe-friendly.

PACKAGING

**25 kg, 1 tonne pallets
of 25 kg bags**

Product Code: NTS100SH



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Application Rates

Fertigation: 2 - 4 kg per ha

Foliar: 500 g - 1 kg per ha

Note: See DIY Liquid Humus Recipe for mixing instructions. Always check for compatibility as this product is not compatible with acidic fertilisers.

Miscellaneous

- Microbes need a carbon source to digest nitrogen. Humates supply carbon and thus limit carbon-stripping from the soil.
- Can be used to detoxify chemicals or heavy metals.
- These granules magnify and stabilise most soluble fertilisers.
- There are several incompatibility issues when combining liquid fertilisers with liquid humic acid. The liquid is incompatible with liquid calcium nitrate, phosphate fertilisers and sulphate-based trace elements.
- Staining may occur on fruit or foliage therefore it may be necessary to avoid spraying just prior to harvest. May be unsuitable for cut flowers.

Typical Analysis w/w

Water Soluble Potassium Humate (dry basis)	min 95%
Humic Acids (dry basis)	85%
Total Potassium (as humate)	10.5%
Moisture	15% max
pH	9 - 10
Conductivity	21 mS/cm
Solubility	95%
Particle Size	0.2 - 1 mm

DIY Liquid Humus Recipe

To produce a 6% humic acid liquid, add 750 g of NTS Super Soluble Humate Granules™ very slowly to 10 L of water, under vigorous agitation. Maintain agitation for 20-30 minutes. Ensure mixture is homogenous and then add to spray tank. Note: Do not prepare concentrate in spray tank.

This recipe produces a concentrate with half the humic acid concentration of NTS Liquid Humus™ (12%).

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