

NTS Powdered Humic Acid™



A processed concentrate containing 70% humic acid in slow-release form.

This slow-release humic acid has been extracted from compressed, ancient plant matter in the form of leonardite (a soft brown coal). This humic acid also contains good levels of fulvic and ulmic acids, making this an exceptional quality base product. It is an ideal additive to boost bio-activity and improve the performance of compost or composted fertilisers. The composting process speeds the release of the humic and fulvic acids.

Benefits

- Biological Farmers of Australia (BFA) Registered Product 456AI.
- Offers all of the numerous benefits of humic acid in a slow-release form.
- Slow-release humic acid can help to stabilise inputs throughout the crop cycle.
- Offers soil structure improvement by promoting fungi to create a crumb structure for better water and oxygen intake and improved root penetration.
- Natural chelating and complexing agent to help magnify nutrient absorption.
- Contains an auxin-like growth promotant than 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.
- Microbe friendly.
- Can extend the performance of urea in the soil by 60-80 days and buffers the burning effect of urea as a foliar.
- Promotes seed germination in a shorter time.
- Has an affinity for iron and can increase availability of this element in all soils.
- This product still retains the high levels of broad-spectrum minerals that were part of the ancient plants from which it was derived.
- Can be applied directly to the soil at any time to help buffer excesses or toxins or to promote soil life (fungi).

PACKAGING

**25 kg, 1 tonne pallets
of 25 kg bags
Product Code: NTSPHA**





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Application Rates

Soil Application: 20 - 100 kg per hectare.
Compost Additive: 20 - 50 kg per tonne of compost.

Typical Analysis w/w

Humic acids (dry basis).....	70%
Moisture.....	15%
Ash.....	10%
pH.....	5.5
Conductivity.....	0.69 mS/cm
Solubility.....	>5%
Particle Size.....	Powder
Appearance:	Dark brown powder

Miscellaneous

- NTS Powdered Humic Acid™ is only slightly soluble in water, but it is 85 % soluble in alkaline conditions. i.e. when combined with potassium hydroxide, sodium hydroxide (caustic soda) or ammonium hydroxide.
- The product should not be confused with soluble, rapid-acting potassium humates.

Disclaimer: Any recommendations provided by Nutri-Tech Solutions Pty Ltd (NTS) or its Distributors are advice only. As no control can be exercised over storage, handling, mixing application or use, or weather, plant or soil conditions before, during or after application (all of which may affect the performance of our program), no responsibility for, or liability for any failure in performance, losses, damages, or injuries (consequential or otherwise), arising from such storage, mixing, application, or use will be accepted under any circumstances whatsoever. NTS recommend you contact an Agronomist prior to product application. The buyer assumes all responsibility for the use of any NTS products.



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