

# Nutri-Mate Organic Humates

Lignite brown coal from the Latrobe Valley



For use in these programs:



Nutri-Mate Organic Humates are available for use as a stand-alone input as well as being a component of LawrieCo's Nutri-Blend and Custom Blends.

**Raw humates still contain all of the dense mineralisation and organic acids found in the prehistoric plants from which they are derived. These lignite-based humates from Victoria's Latrobe Valley contain 67% organic carbon, 40% of which is humic acid in slow-release form. Raw humates are recognised as the most effective of all soil conditioners. They are unique in comparison to the processed humates in that they still retain the insoluble humin fraction. Humins are where most of the dense mineralisation occurs. Nutri-Mate Organic Humates contain 70 minerals, many of which are lacking in our agricultural soils.**

- 1) Nutri-Mate has a very high Cation Exchange Capacity (250) with an associated ability to retain moisture and nutrients.
- 2) Nutri-Mate contains the highest organic carbon levels of any input. Organic carbon is the principle limiting factor in many soils.
- 3) Organic carbon is the home base for beneficial microorganisms.

## Typical Analysis:

Carbon 67% (dry basis)  
Hydrogen 4.5% (dry basis)  
Nitrogen 0.6% (dry basis)  
Sulphur 0.3% (dry basis)

Oxygen 26% (dry basis)  
Moisture 60-70%  
(as received basis)  
Ash 2%

pH 7.61  
Conductivity 0.3 mS/cm  
Solubility Not Soluble  
Particle Size <1 mm

Appearance  
Course, dark brown powder  
with granular texture

## Benefits of Nutri-Mate

- Nutri-Mate Organic Humates deliver slow-release humic acid, at a price that equates to a few cents per litre.
- Nutri-Mate is a highly effective soil conditioner, largely due to its stimulation of fungi which generate desirable crumb structure in the soil.
- Nutri-Mate Organic Humates are a component of Nutri-Blend.
- Raw humates are a powerful fungi stimulant. The amino acids, complex carbohydrates and low pH comprise perfect fungi food.
- Nutri-Mate offers all of the many benefits of humic and fulvic acid, but these materials are trickle-fed over a two year release pattern.
- Nutri-Mate Organic Humates do not offer the equivalent stabilising and magnifying effect of Soluble Humate Granules but do offer a more dense mineral spectrum i.e. Nutri-Mate Organic Humates still contain the high levels of broad-spectrum minerals that were part of the ancient plants from which they were derived.

## Application Rates:

Soil Application  
200 kg - 1 tonne per hectare spread with a belt (lime) spreader  
200 - 500 kg per hectare banded

Inoculation with living bacteria and fungi recommended prior to spreading.

## Further Information:

- The humic acid release from Nutri-Mate Organic Humates is rapidly sped up by inoculation with beneficial bacteria and fungi as is the procedure in the manufacture of LawrieCo's Nutri-Blend and Custom Blends.
- Store on high ground and cover with a tarp if rain is expected.
- Available ex. Morwell VIC

