



Eco-Humate

AI6004
BFA CERTIFIED
ALLOWED INPUT

the natural balance

Eco-Humate

(a Liquid Humus)

Concentrated Soil Conditioner



**BFA CERTIFIED
ORGANIC INPUT AI6004**

Liquid Soil amendment for water repellent soils, & improving effectiveness of your fertiliser program.

Creates soils that leach less fertiliser
Designed to improve present and long term soil fertility

For Use on:

- *Lawn *Shrubs *Flowering plants *Vegetables
- *Pasture *Vines *Fruit trees *Field crops *Soil

“Eco-Humate” has the following advantages:

- **Biological** - Stimulates soil biological activity
- **Chemical** - Chelating properties,
- high cation exchange capacity,
- to free-up bound nutrients
- **Physical** - Promotes soil agglomeration
- Improves water penetration and retention
- Builds soil carbon levels and
- Loosens compacted soil areas

Available sizes: 1 Litre, 5 Litres, 20 Litres, 200 Litres, and 1000 Litres

PRODUCT DESCRIPTION

Eco-Humate

Eco-Growth's Eco-Humate (a Liquid Humus) is a concentrated soil conditioner designed to increase the effectiveness of your fertiliser program. Developed in Australia for application to all soils, **Eco-Humate is produced from nature's own humus.**

Extensive field tests have shown that soil erosion, nutrient depletion and the inability to retain essential plant nutrients are all problems that can be attributed to one main cause - a lack of the critical physical and chemical properties necessary for good soil structure.

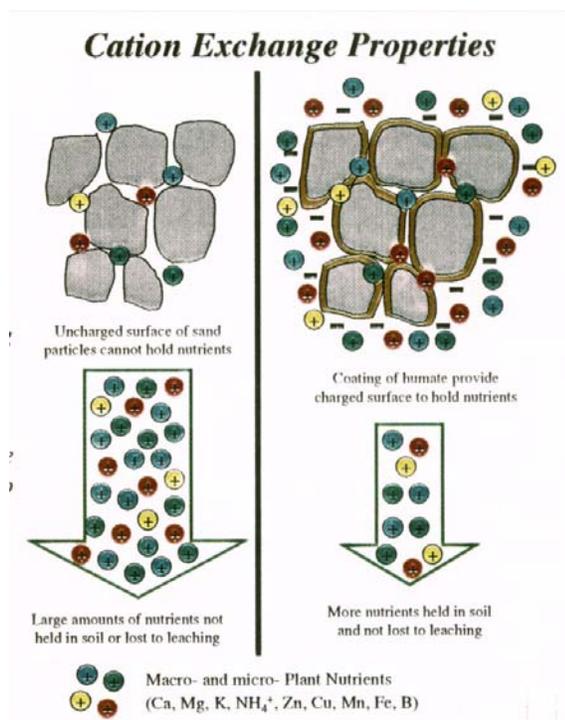
It can assist in opening up soil resulting in improved tilth and subsequently help good root formation and development. This can aid and maintain good productivity.

Eco-Humate works by creating a reaction on the cation exchange mechanism in soils - the Cation Exchange Capacity (CEC) of soil is the soil's ability to hold and exchange nutrients in an efficient manner – stopping leaching. **Eco-Humate** can assist to increase the nutrient holding capacity of nutrients such as calcium, magnesium and potassium.

It has a significant benefit in non-wetting soils enabling such soils to achieve good water infiltration rates. Commercially orientated tests have shown considerable improvement in yield and reduced fertiliser inputs as a result. This has been found to ensure and maintain good productivity.

BENEFITS

Eco-Humate offers the following advantages:



- The addition of plant-derived organic matter (humus) into the soil increases the penetration and retention of nutrients such as nitrogen, phosphorus, potassium, calcium and trace elements into the subsoil.
- Soils treated with Eco-Humate tend to be more porous, more aerated and more permeable - fosters greater retention and exchange (cation exchange) of nutrients between soil and plant. This is of vital importance where heavy use of chemical fertilisers has created soil imbalances. Eco-Humate can rapidly increase Cation Exchange Capacity (CEC), releasing locked nutrients and making them available for plant use.
- Eco-Humate soil conditioner is not acidic yet helps balance pH levels and increases buffering against further pH change.

- Monash University trials (1996) confirmed the ability of Eco-Humate to increase the availability of Calcium in the soil whilst immobilising aluminium. Eco-Humate has since proven useful as a tool to activate lime, quickly providing rapid pH change even after lime has been dormant in soil for several years.
- Eco-Humate is easy to apply through existing irrigation systems, drippers, or boom spray equipment. It requires no special application methods.

Eco-Humate is a proven wetting agent:

- Monash University trials (1996) have shown that by using Eco-Humate, moisture in the soil is improved significantly, the wetting properties lead to a reduction in surface crusting and water run-off. Additionally it was found that the soils ability to retain greater amounts of moisture, meaning that crops can withstand longer intervals between Irrigation.

APPLICATION

- Eco-Humate is best applied prior to using other Eco-Growth organic products.
- Eco-Humate may stain, wash spills with large volume of water.

General:

Domestic

- For use on Flowers, Ornamentals, Vegetables, Lawns, trees etc
- Apply at 10ml / sq metre
- Dilute 1:100 water (recommended).
- Drench the root zone every 21 to 30 days (or as needed).

Commercial

- 10 Litres / Ha
- suited for use through fertigation or spray equipment
- *Some crop specific recommendations available on request*

Note: The information in this document is provided to the user in good faith and represents knowledge of the product and processes at the date of printing. Every care is taken during manufacture and handling of this product and the preparation of recommendations pertaining thereto. The manufacturer or their agents accepts no responsibility for damage arising from misuse or non-adherence to current recommendations.



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