

BACTIVATE

BIOBOOST

Bactivate BioBoost is an activated humic-rich soil conditioner that provides carbon and beneficial organic matter to the soil.

Applying Bactivate BioBoost will result in an improved soil structure, increased water-holding capacity, reduced compaction, improved aeration and an increase in organic matter wherever it is applied. Its application will:

- 'unlock' or free key nutrients that are present in the soil that would otherwise not be available to the plant,
- help soils by returning them to a balanced state - using our advanced humic technology, soils potentially improve in as little as two weeks,
- help to agglomerate soil particles, creating more space in the soil, moderating soil temperature, and increasing the holding capacity of both water and oxygen,
- increase the energy in the soil, and its ability to hold on to nutrient loads (the cation exchange capacity) which has significant positive impact on amino acids, proteins, enzymes, tissues and cell structure,
- reduce the requirement for irrigation as a result of improved aeration of the soil due to agglomerated soil particles,
- increase the moisture retention of soil; and, of critical importance, it stimulates bacteria growth, increasing the energy around the root mass.

Bactivate BioBoost is derived from 100% natural sources and is safe and non-toxic, for use in all turf, garden and commercial agricultural applications. However, it is not a fertiliser or a fertiliser replacement - it is a soil conditioner to be used in conjunction with a fertiliser program.



Why use a Humic substance?

Humics are naturally occurring substances within soil. They result from the breakdown of organic matter and are vital for plant growth and proper soil fertility. They work to balance pH, increase cation exchange capacity, retain water within the soil profile and increase the quantity and quality of plants' hairlike feeder roots. Young plant roots, leaves and seeds are very responsive to applications of humic substances. Within 8 hours of application, changes in many of the plant's metabolic processes are detected. Enhanced carbohydrate production may be detected within 24 - 48 hours after feeding and can result either in improved product quality, increased yield or both. Fertilisers containing humic acids and fulvic acids in combination with nitrogen, potassium, phosphorus and various trace minerals have been demonstrated to be 100% to 500% more efficient, in comparison with applications of similar non-humic fertilisers.

Product Analysis

Humic acid in Bactivate BioBoost is activated using our patented technology.

Item	Content
Humic Acid derived from brown coal	2%
Carbon	1%
Water	97%

Application Rates

Boom sprayers & under-tree sprinklers	For all types of spray equipment, use the area normally covered by one tankful to determine how much product to add	2.5L /ha, 1-2 times per annum
Drip or micro-irrigation systems	Use more often for lighter or heavier soils	2.5L/ha, 2-4 times per annum
Overhead sprinklers: Travelling or Pivot irrigators	The amount of concentrate needed per hectare of irrigated area for 10mm of irrigation is 2.5L to 10L	0.25L to 1L per mm of irrigation
Small volume applications	2mL per litre in hand sprayers and knapsacks; 20mL per 9L watering can	



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