

BACTIVATE 5

Bactivate 5 is a combination of five bacillus bacteria designed to re-build soil structure. It provides essential bacteria to the soil and in turn, stimulates biological activity.

Bactivate 5 contains individual antagonistic strains of bacillus bacteria, each of which has a specific function within biology. When active, these functions can assist in the reduction of chemicals and chemical fertilisers, improve the immune function of the tree/plant, improve the soil structure, increase crop yield and improve the overall quality of the crop.

For best results, Bactivate 5 should be used in conjunction with Bactivate BioBoost, Bactivate BioBoost Enhance and Bactivate Seaweed.

Key benefits of Bactivate 5 include:

- improves nutrient uptake leading to a reduction in fertiliser requirements,
- solubilises soil bound phosphorous and potassium and makes it available for plant consumption,
- converts atmospheric nitrogen into plant available forms,
- improves tree/plant structure leading to improved pest and disease resistance,
- offsets damage and aids recovery from environmental factors such as drought, heat, frost and wind,
- regulates soil pH at the root zone for optimal tree/plant performance,
- rapidly decomposes organic matter in the soil,
- improves tree/plant growth rates naturally,
- sequesters heavy metals, pesticide and herbicide residuals in soil,
- assists the tree/plant to suppress attack from soil pathogens.



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Product Analysis

Bactivate 5 (Liquid) Biological Analysis:

Item	Content
Bacillus subtilis	10 ⁹
Bacillus megaterium	10 ⁹
Bacillus mucilaginosus	10 ⁹
Bacillus licheniformis	10 ⁹
Brevibacillus laterosporus	10 ⁹

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. Minimum mixing rate is 1:100	1L/ha
Drip or micro-irrigation systems	For use in all fertigation systems	1L/ha
Overhead sprinklers: Travelling or Pivot irrigators	The amount of concentrate needed per hectare of irrigated area for 10 mm of irrigation is 1L to 2L	0.1L to 0.2L per mm of irrigation
Small volume applications	1.5 mL per litre in hand sprayers and knapsacks; 15mL per 9L watering can	



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