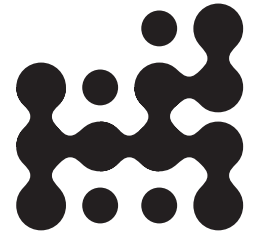


BIOTICS

GROGREEN BLACK MAGIC



Improve alkaline and saline soil conditions for maximum yield

GROGREEN Black magic is an advanced liquid soil conditioner and plant nutrient solution, specifically engineered to restore productivity to challenging alkaline and saline soils. Its multi-action formula works to improve the soil's physical and chemical properties, creating a more favourable root environment and unlocking the full potential of your crops. Applied through irrigation systems, it provides a comprehensive solution for reclaiming degraded land, improving water efficiency, and ensuring robust plant growth in soils with high pH and salt content.

THE ADVANTAGES

Combats soil salinity and sodium stress

This highly soluble formula introduces a concentrated source of calcium into the soil solution. This essential element actively displaces harmful sodium from soil particles, allowing it to be leached away from the root zone and reducing salinity stress on the plant.

Neutralises high soil and water pH

The product's acidic nature provides an immediate effect to neutralise alkalinity in the soil and irrigation water. This helps dissolve problematic bicarbonates and lowers the root zone pH, making essential nutrients more soluble and available.

Unlocks and protects essential nutrients

Natural organic polymers in the formulation bind with vital minerals, protecting them from being locked up in high-pH conditions, ensuring more efficient uptake and correcting deficiencies.

Improves soil structure and water infiltration

The specialised blend of organic compounds works to bind soil particles together, creating better soil aggregation and structure. This improves soil aeration and drainage, leading to a healthier environment for root growth.

Stimulates root growth and soil biology

The plant-derived organic extracts in this product act as a biostimulant, directly encouraging robust root development and plant vigour. These compounds also provide a food source for beneficial soil microbes supporting long-term plant health.



Available in
1L bottle ~ 5L drum ~ 10L drum

GROGREEN

Naturally different



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1L bottle ~ 5L drum ~ 10L drum

APPLICATION TIPS

Apply during cooler parts of the day (early morning or late afternoon) to maximise absorption and minimise evaporation.

Always perform a compatibility test when mixing with other products. Do not mix with alkaline materials, combustibles, reducing agents, sulfates and strong acids.

Application guidelines

Designed for soil application. The recommended application rate typically ranges between 3 - 8 l/ha/application. This rate can vary depending on the severity of the soil condition. Repeat until the result is noticeable and the soil has improved up to the desired point.

For crop specific recommendations, visit our website or contact your sales manager.

Density: +/- 1,50 kg/l

Specifications	W/W	W/V
Total nitrogen (N)	8,40%	12,60%
Nitric nitrogen (N-NO ₃)	8,40%	12,60%
Calcium Oxide (CaO), soluble in water	14,7%	22,1%
Boron (B), as boric acid, soluble in water	0,03%	0,045%
Copper (Cu), chelated by EDTA, soluble in water	0,09%	0,135%
Iron (Fe), chelated by EDTA, soluble in water	0,23%	0,35%
Manganese (Mn), chelated by EDTA, soluble in water	0,13%	0,20%
Molybdenum (Mo), as sodium salt, soluble in water	0,02%	0,03%
Zinc (Zn), chelated by EDTA, soluble in water	0,066%	0,10%
Dry matter	13,0%	19,5%
Organic matter	9,0%	13,5%
Organic Carbon (Corg)	5,2%	7,8%
Corg/N ratio	0,619	
EC (1g/liter, 20°C): 0,84 mS/cm		



Find out more about the
GROGREEN products and
how we make a difference.