ZMC RELEASE LPH™

ULTIMATE SOIL AND ROOT CONDITIONER WITH MICRONUTRIENTS

DESCRIPTION

ZMC RELEASE LPH™ is a soil and root conditioner formulated with organic and amino acids, kelp biostimulants and selected micronutrients zinc, copper and manganese, to promote root growth and improve soil health.

KEY BENEFITS

- Contains essential micronutrients Zn, Mn and Cu
- Formulated with kelp biostimulants to stimulate root growth, support soil microbial populations and improve soil structure
- Added organic acids increase nutrient availability and root uptake from the soil
- Suitable for application through irrigation systems
- Can be applied throughout the growing season
- Easy to use and apply

CONTAINS

(N% - P% - K% - S%)

(0 - 0 - 0 - 0)

ZN - 4.2700 %W/V FA - 7.9 %W/V

Cu - 1.4274 %W/V

Mn - 1.4274 %W/V

POSITIONING AND FUNCTIONS

ZMC RELEASE LPH™ is a soil revitaliser formulated with fulvic acid, kelp bio stimulants and plant available zinc, copper and manganese. This blend of specialised ingredients not only improves soil structure and microbial health, but also prevents or treats micronutrient deficiencies effectively.

Kelp biostimulants in ZMC RELEASE LPH™ are well known to stimulate root development and plant growth. High levels of dissolved carbon also improve soil water holding capacity, while serving as a carbon source for microbial soil populations.

ZMC RELEASE LPH™ is formulated with organic acids, known for their natural chelating properties, increasing soil nutrient availability. Organic acids can also assist with breaking up compacted soils, allowing for better water penetration, root growth and development. These organic acids can also stimulate organic acid exudation from the root zone, increasing nutrient availability in the rhizosphere, while increasing uptake of the nutrients into the root system.

ZMC RELEASE LPH™ is thus formulated with natural chelating and wetting properties, to not only limit the leaching of nutrients from the soil, but also increase crop uptake, while addressing soil micronutrient deficiencies, in a wide variety of crops.

REGION
NEW ZEALAND

TYPE
Liquid

APPLICATION
- Fertigation
- Soil application

PACKAGING
20ℓ, 200ℓ, 1000ℓ

CROPS
- Fruit trees and vines
- Grains
- Pastures
- Sugarcane
- Tree nuts
- Vegetables

Agri Technovation
Specialized to succeed

Agri Technovation Ltd
27A Wicklam Lane, Greenhithe Auckland
09 954 5411
info@agritechnovation.co.nz
www.agritechnovation.co.nz

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Zn Zinc is involved in various physiological functions in the plant. As a component of proteins, zinc acts as a functional, structural, or regulatory cofactor of a large number of enzymes. It is also important for the formation of chlorophyll and the conversion of starches to sugars.

Cu Copper is involved in the photosynthetic and respiratory electron transport chains, as well as ethylene sensing, cell wall metabolism, oxidative stress defence, and molybdenum cofactor synthesis. It is also important for chlorophyll and seed production.

Mn Manganese is critical for photosynthesis and a cofactor of over 35 enzymes, several of which catalyse different steps of lignin biosynthesis. Manganese can also play a role in plant tolerance to different environmental stress factors such as winter hardiness, ozone stress, salinity and drought stress.

FA Organic acids in the soil can improve nutrient availability to plant roots by releasing bound nutrients from soil particles and aggregates. Fulvic Acid is particularly well suited to perform this function since it is active at low soil pH and its smaller molecular size makes it more mobile in soil and across plant cell membranes. This in turn enhances nutrient uptake and utilization by plants, which can result in healthier and more robust crops with increased stress resistance.

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Agri Business Park, 5 Louw Street,
Wellington Industrial Area, 7654
+27 21 300 0543
info@agritechnovation.co.za
www.agritechnovation.co.za