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BIO-TRACE

A Biologically Enhanced Trace Element Mixture

Are your plants showing signs of trace element (micronutrients) deficiencies, Bio-Trace™ might be just what you need.

Bio-Trace™ is a blend of key micronutrients supported by macro elements and carbon rich fulvic acid. Bio-Trace ensures luxury trace element availability with the biological support. There are a number of trace element (micronutrients) essential to plant growth and health that are only needed in small quantities. These are manganese, boron, copper, iron, cobalt, molybdenum, and zinc. The role each plays: 1) Boron - carbohydrate transport & metabolic regulation; 2) Cobalt – catalyst in nitrogen fixation; 3) Copper – component of some enzymes and of vitamin; 4) Iron – essential for chlorophyll synthesis; 5) Cobalt – Cobalt is thought to be an important catalyst in nitrogen fixation; 6) Molybdenum - used by plants to reduce nitrates into usable forms; 7) Zinc - participates in chlorophyll formation, and also activates many enzymes. Whilst not need in large amount deficiencies in any of these nutrients can impede the growth and health of your plants.

Ideal for – soils and plants showing signs of micronutrient deficiencies.








 Sizes: 1L, 5L, 20L, 200L & 1000L

Spotting Signs of Deficiencies

- Manganese – chlorosis between the veins of its leaves.
- Boron – bud dieback and many other symptoms making diagnosis difficult without plant Sap analysis.
- Copper – browning of leaf tips and chlorosis.
- Iron – chlorosis between leaf veins
- Cobalt – leaf chlorosis, stunted growth, and poor root nodule development (particularly in legumes)
- Molybdenum – chlorosis of old growth and stunted growth (mimics nitrogen deficiencies)
- Zinc – chlorosis and stunted growth

Contact us today for further information.

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Typical Analysis * Standard Blend

Iron	1.52%
Zinc	0.92%
Cobalt	17 ppm
Potassium	1.44%
Calcium	308 ppm
Boron	0.4%
Molybdenum	480 ppm
Silicon	0.21%
Magnesium	0.32%
Sulphur	2.35%
Manganese	0.75%
Copper	0.24%
Organic N	0.21%
Sodium	0.72%
pH	5-6
Solubility	100%
Appearance	Thick, dark liquid

* Typical analysis only of bulk concentrate. Analysis may vary due to natural inputs and dilution.

Applications

FOLIAR APPLICATIONS

- General Use – 0.5-1L per Hectare (5-10mls per 100m²)

Note – when applying foliar sprays, a mist spray is ideal (the smaller the droplet size the better) and only apply until light run off (from the plant foliage). Always test spray sensitive foliage prior to applying foliar sprays.

SOIL APPLICATIONS

- General Use – 5-7Ls per Hectare (50-70mls per 100m²)
- Small crops, Turf & Vines – 2-3L per Hectare (20-30mls per 100m²)
- Orchards – 3-5L per hectare (30-50mls per 100m²)

APPLICATION FREQUENCY

- General Use – as required (do not exceed 6 times a year without demonstrated trace element deficiencies).

MINIMUM DILUTION RATES




- 1:100 (10mls per litre) – general applications



ADDITIONAL POINTS OF NOTE

- Do not apply during flowering
- To be used as part of a balanced nutrition program.
- Shake or stir well before use.
- Store in a cool dry location away from direct sunlight

All recommendations are provided as general advice only. As no control can be exercised over storage, handling, mixing, application, weather, soil or plant conditions, the buyer assumes responsibility for the use of any Plant of Health products. *Note Analysis may vary slightly due to natural inputs.

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