

# MP ROOTS

Strengthens plant defences against stress  
5-5-3 + Beneficial Microbes



MP ROOTS® is a liquid fertiliser designed to boost soil and plant vitality. This innovative product combines organic components with beneficial fungi to enhance nutrient absorption and promote robust root growth. With its easy application and unique formulation, MP ROOTS is ideal for both plant establishment and renovation, ensuring optimal health and resilience for your plants.

## BENEFITS

- **Nitrogen** content of 5% supports chlorophyll production and healthy plant growth
- **High phosphorus** content promote root development and seed germination
- **Potassium** aids in flowering and strengthens the plant's defence system against environmental and disease stresses
- **VAM** provides beneficial fungi to enhance soil biology and nutrient uptake
- **VM3** organics improve soil structure, increase plant stress tolerance, and stimulate microbial activity

## TECHNOLOGY

MP ROOTS® is an organic, biologically active liquid fertiliser formulated with VM3 organics and Vesicular Arbuscular Mycorrhizas (VAM). VAM is a beneficial symbiotic fungus that can colonise up to 80% of the root mass. The fungal hyphae produced by VAM extend into the soil beyond the root hairs, enhancing access to nutrients that are usually unavailable. VAM releases compounds that can dissolve elements prone to forming insoluble compounds, such as phosphorus and trace elements. Numerous studies have shown that VAM improves the plant's ability to recover from water stress. MP Roots is formulated with VM3, a proprietary organic technology derived from fermentation and includes beneficial bacteria, trace minerals, and plant stimulants like amino acids, kelp, fulvic, and humic acids. This improves nutrient availability, longevity, and compatibility, enhancing plant performance. MP ROOTS provides readily available phosphorus to stimulate root growth and quickly correct deficiencies. The blend of kelp and seaweed supports increased root mass, which can enhance tolerance to plant parasitic nematodes.

## TYPICAL ANALYSIS

<b>Nitrogen (N)</b>	4.9%
<b>Phosphorus (P)</b>	5.4%
<b>Potassium (K)</b>	2.6%

## USE PATTERNS

TYPE	DIRECTIONS FOR USE
Established plants	2.5-5 mL/L or 5 L/ha or 0.5 mL/m <sup>2</sup>
Seedling transplants	1.25 mL/L or 2.5 L/ha or 0.25 mL/m <sup>2</sup>

MP ROOTS is ideal for plant establishment and renovation and can be applied as a foliar spray or soil drench. Foliar application should ensure thorough coverage of both the upper and lower surfaces of the leaves, to the point where there is noticeable dripping from the foliage. Scheduled applications in sandy soil profiles will help maintain soil nutrients near the plant roots.