



VM ECO GROW

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Thrips Program

Program:

Mix the following products and apply in the afternoon or when daily temperatures are lower and/or humidities are higher. Repeat in 7-8 days, then every 10-14 days until controlled.

Ideally, pre-soak the Bio Defender [™] in clean water (non-chlorinated) for at least 1 hour to hydrate spores and reduce the lag time for germination and infection. It's not mandatory, but it helps the product get working rapidly. **Try to use more than 300 L/ha but observe max product rates.**

Product	Dilution Rate	Rate/300 L/ha	Max. Rate/ha
Bio Defender [™]	3 g/L	900 g/ha	1.0 kg/ha
Max Spreader [™]	0.15 mL/L	45 mL/ha	50 mL/ha
Triple Twenty	30 mL/L	900 mL/ha	1.25 L/ha
Kelp	1 g/L	300 g/ha	500 g/ha
Amm. Molybdate	0.25 g/L	75 g/ha	90 g/ha

The Rationale for this Multi-Layered Program:

1. Bio Defender [™]

Integrates three microbial strains to support foliar and soil ecosystems. Two strains are active in canopy environments, while *Metarhizium anisopliae* contributes to soil microbial diversity when applied to the root zone. These microbes interact synergistically with plant surfaces to enhance natural resilience.

2. Max Spreader [™]

Optimises spray coverage and adhesion, improving nutrient and microbial delivery. Its formulation promotes efficient resource utilisation by plants, aiding in maintaining robust physiological functions under stress.

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3. Triple Twenty

Delivers nitrogen, phosphorus, and triacontanol to boost chlorophyll synthesis, photosynthetic efficiency, and sugar transport. Enriched with trace elements, vitamins, and enzymes, it strengthens metabolic pathways linked to plant vitality. Humates and kelp enhance nutrient uptake and cellular resilience.

4. Kelp

Provides plant-growth-supporting compounds, including stress-alleviating hormones, to mitigate environmental pressures. Alginates serve as a substrate for beneficial microbial activity, fostering symbiotic relationships between plants and their microbiome.

5. Ammonium Molybdate

Activates enzymatic pathways to optimize nitrogen metabolism, promoting the conversion of nitrates into complex proteins. This process refines sap composition, aligning with plant health priorities.