



## Foliar Powder



Element	Quantity
Magnesium (Mg)	5% minimum
Manganese (Mn)	5% minimum

These are the levels of Mg and Mn quoted as an elements not as an oxide or any other compound

### Level of Chelation

Precipitation Point pH 11 minimum

Volume of 0.5M NaOH – 20ml

**Appearance** White powder

**Packing** 20kg PE lined steel kegs

### Application Guide Rates

As a coating on NPK or for each foliar application:	
Maintenance Rate	0.2-0.3kg/ha
Moderate Deficiency	0.3-1.1kg/ha
Severe Deficiency	>1.1kg/ha

The application rate will vary depending on the crop and application regime and you may for example prefer half applications and apply double the guide amount for each application.

Due to the escalated Magnesium and Manganese uptake, we recommend you perform tissue tests to determine the optimum application rate and optimise your costs.

## Foliar application

As a guide dissolve the above amounts in 200 litres of water to apply over one hectare. However, the guide application quantities are easily soluble in smaller volumes of water or can be dissolved in larger volumes as long as there is sufficient stirring to ensure it has diffused evenly throughout the mixing tank in the in the greater volume of water

### Application Timing

**Preventive:** Apply at early stage after establishment of the seedlings, at 4-6 leaves stage.

**Remedial:** Start at first sign of micronutrient deficiency; apply 2 additional sprays at 10-15 day intervals.

## Under-Cover, Controlled Growing Systems

**S-Chelate M<sup>2</sup>** is ideal for use in drip fertigation polytunnel fruit growing systems where their pH range can overcome the locking up of nutrients which can be caused by growing media like coconut coir.

**S-Chelate M<sup>2</sup>** is perfect for use in vegetable and herb hydroponic systems where the pH range tolerates other chemicals like hydrogen peroxide used to control pathogens in this intensive, high volume growing environment.

Please contact us for guide application rates.

## Product Features

S-Chelate M<sup>2</sup> is made in the UK using a unique, specially developed and crop safe and environmentally friendly chelation technology. This technology can be demonstrated to out-perform traditional chelation (such as EDTA) and for providing important secondary and trace element nutrition in a protected, constant and extraordinarily effective manner.

It was specially formulated for use on potatoes where it has been found to be particularly effective but can be used on other root vegetables or other crops where these two essential elements may be used to boost yield and size as illustrated in the case study on the website.

S-Chelate M<sup>2</sup> is bioavailable in a much broader-than-normal range of pH and soil conditions such as in contact with clay, carbonates, phosphates, organic matter and other elements in the soil that seek to tie up and make secondary elements and micronutrients insoluble.

Chelation is defined as the capacity to hold the metal ion in solution above the precipitation point of the non-chelated ion and the Level of Chelation measurement is your assurance of the performance of our product which will stand up to independent assessment.

This is the backbone of the performance of this technology resulting in markedly lower application rates than for non-chelated products because so much more of the metal ion will stay in solution and reach the plant tissues as has been shown repeatedly by yield and quality improvements alongside parallel tissue analysis.

## S-Chelate Coating Powders for coating NPK granular fertilizer

S-Chelate Coating Powders are made in the UK using a unique specially developed and crop safe chelation technology. This technology can be demonstrated to out-perform traditional chelation (such as EDTA) and for providing important secondary and trace element nutrition in a protected, constant and extraordinarily effective manner. Ground to a fine powder, S-Chelate Coating Powders coat and then cling to NPK granular fertilizers in such a way as to deliver a targeted nutrition straight to the plant. Nutrition is absorbed into the plant through the roots and is targeted in such a way that the elements are subsequently found in tissue samples of the plants instead of being wasted on surrounding soil. This enhanced nutritional bioavailability results in healthier plants, increased yields, and larger fruits and vegetables.

Guide application rates produce very dilute solutions of 0.2-2% but due to users preferences varying widely, we always recommend trialling before adopting widely and cannot accept liability for damage or underperformance.

**As a precaution please jar test before mixing with any agrichemicals.**



Delighted allotment grower with remarkable Beetroot grown using S-Chelate M<sup>2</sup>

**Please contact us or our agents for technical support.**

**Achieve greater yields with Super Bioavailable S-Chelate™ Technology**

**Chemistry not Mystery**

**Made in the UK**

**Get in touch**

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