



Solufeed Manganese 150

Inorganic manganese fertilizer

*Liquid formulation containing
150 g/l manganese (Mn)*

Uses

To prevent and correct manganese (Mn) deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Benefits

Solufeed Manganese 150 is a buffered liquid formulation of manganese sulphate designed for cost-effective correction of manganese deficiency in crops. Manganese (Mn) is used in the plant in conjunction with other essential nutrients for stimulation of various enzyme systems. Its major role is in the synthesis of chlorophyll and metabolism of nitrogen.

Most crops are sensitive to manganese levels, particularly cereals, vegetables, brassicas, root crops and fruit.

Analysis

A liquid formulation containing 150 g/l manganese (Mn) as the sulphate formulated with buffering agents and a modern surfactant system to ensure stability and effective cover and adhesion to foliage.

Chemical/physical data

| | |
|-----------------------|-------------------------|
| Appearance: | Light pink liquid |
| Miscibility: | Fully miscible in water |
| Specific gravity: | 1.37 (@20°C) |
| pH (as is) | approx 4 |
| Harmonised Tariff No: | 28369917 |

Directions for use

Foliar Application

Solufeed Manganese 150 should be mixed with a convenient volume of water to suit the spraying machine being used and the target crop leaf area, **this should be at least the equivalent of 200 l/ha**. The following points should be observed.

1. The sprayer should be fitted with nozzles that produce a fine mist.
2. Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off".
3. Spraying should be carried out on a calm day BUT NOT DURING STRONG SUNSHINE OR HIGH TEMPERATURES. The best time is late afternoon or evening.
4. If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later.

Application rates, general (Tractor sprayer)

Marginal deficiency: 2.0 l/ha in at least 200 litres of water

Moderate deficiency: 4.0 l/ha in at least 200 litres of water

Severe deficiency: 4.0 l/ha in at least 200 litres of water and repeat as necessary during the growing season.

Knapsack sprayer

20 – 40ml/10 litres water. Spray to run-off.

Use of a suitable adjuvant where possible is recommended.

Timing

Solufeed Manganese 150 may be applied in one application but optimum results may be expected if repeat reduced rate applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

General information

Solufeed Mn 150 gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions that are responsible for one particular deficiency can also induce deficiencies of other micronutrients. Always ensure that deficiencies are confirmed (by soils/tissue analysis for example) before treatment is carried out.

Mixing With Water

Half fill the spray tank with water, commence agitation and add the appropriate amount of *Solufeed Manganese 150*. Add the remaining water and continue agitation until the whole tank has been sprayed out. Never allow the tank mix to stand without agitation and use immediately.

Compatibility

Solufeed Manganese 150 is compatible with many other crop care chemicals. Always follow tank mix recommendations to the partner product closely.

Solufeed Manganese 150 is **incompatible** with bentazone, phenoxy herbicides e.g. mecoprop-p, MCPA, 2,4-D and dicamba, and mixtures containing such herbicides. Do not mix *Solufeed Manganese 150* with seaweed products.

Technical service

Please contact Solufeed at the address below for assistance.

Precautions

To be used only where there is a recognised need. Do not exceed the appropriate dose rate. No health hazard is involved when *Solufeed Manganese 150* is used as directed.

Hazardous for transport.

Storage

Protect from frost, store above 5°C and away from direct sunlight.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below. This should be read fully before use.

Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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Solufeed Ltd
The Depot
Chichester Road
Sidlesham Common
Chichester
West Sussex PO20 7PY
Tel: +44(0)1243 554090
enquiries@solufeed.com
www.solufeed.com