



PRODUCT INFO
& DATASHEET

SICOGREEN[®]-S MANGANESE

7% N + 8.7% Mn (foliar) (w/v)

*SICO's new very safe highly concentrated fluid Manganese formulation
Ideal for foliar application – Rapid and safe control of Manganese deficiency.*

1. PRODUCT DESCRIPTION

- * **SICOGREEN[®]-S MANGANESE** is an innovative organic manganese complex based on carbohydrate monomers. It is applied for the purpose of rapid control and prevention of manganese deficiency. The manganese complex contained in **SICOGREEN[®]-S MANGANESE** is fully biodegradable, **very safe to the plant and not sensible to light**.
- * **SICOGREEN[®]-S MANGANESE** is an innovative fluid organic manganese complex promoting a highly efficient and safe manganese absorption by the plant foliage.
- * **SICOGREEN[®]-S MANGANESE** is particularly indicated for crops susceptible to manganese deficiency like fruit crops, vegetables and arable crops.
- * **SICOGREEN[®]-S MANGANESE** is provided with special organic additives according to the SICOGREEN standard. This assures optimum wettability and rainfast-ness of the product even under climatic stress conditions for the plant.

2. NUTRIENT CONTENTS

Manganese fertiliser solution - 6 % Mn water soluble. For foliar fertilization.

% w/w	g/l (w/v)
6 % Mn Manganese water-soluble	87
5 % N total Nitrogen	70

The manganese is fully complexed.

3. PHYSICOCHEMICAL PROPERTIES

Density: 1.45 g/cm³
pH-value: 6.5
Colour: green-brown

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

- * highly concentrated fluid formulation, easy handling
- * indicated for soils with high pH
- * highly efficient and reliable in relation to the foliage absorption
- * rapidly absorbed and extremely safe at the same time
- * extremely rainfast + negligible leaching by rain
- * ecological + fully biodegradable
- * rich in carbon + an energy source for beneficial micro organisms
- * optimal wetting of the leaf and fruit surface
- * not sensitive to light

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FERTILISERS
EVERY TIME THE *right* SOLUTION



**PRODUCT INFO
& DATASHEET**

5. FIELDS OF APPLICATION AND USAGE RATES

Miscibility/preparation of spray mixture

SICOGREEN®-S MANGANESE can be applied by spraying and sprinkling, together with pesticides as well as with drip irrigation/fertigation systems. Do not mix with P-containing products nor with acidic materials.

Crop	Rates of use (l/ha)	Number and timing of applications
Pome fruits	2 l/ha (1x) 2 l/ha (1x)	before bloom after walnut size (end of cell division stage)
Stone fruits	2 l/ha 2 l/ha	after bloom 2-3 weeks after first application
Strawberries	1-2 l/ha 2 l/ha	start of vegetation early flowering
Grapevine	1-1.5 l/ha (1x) 1-1.5 l/ha (2x)	before bloom after bloom
Vegetables	1-2 l/ha	repeated applications during periods of rapid growth
Arable crops	1-1.5 l/ha 1-2 l/ha 1-2 l/ha	* <u>Winter cereals:</u> autumn – early tillering spring – from the beginning of stem extension to flag leaf emergence * <u>Spring cereals:</u> from 3 leaves to flag leaf emergence
Oilseed rape	1-1.5 l/ha	from early spring to yellow bud
Sugar beet	1-2 l/ha	5-6 leaf stage and between 8- and 12-leaf stage
Peas	1-1.5 l/ha	at flowering, particularly from 10-11 leaf-stage till pod formation
Soybean	1-2 l/ha	multiple application initiating at five nodes on the main stem
Potatoes	1-2 l/ha	early flowering and soon after flowering

6. PACKAGING

10 l / 25 l / 100 l

7. PRECAUTIONS AND LIABILITY

When storing the product, temperatures below 0°C (32°F) and above +30°C (86°F) as well as frequent temperature fluctuations should be avoided. Keep the product in the original container till application.

When mixing with pesticides for the first time, test on a small scale before general use.

The recommendations given here are of a general nature only. Please consult the special instructions for use before applying the product.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.