



**PRODUCT INFO
& DATASHEET**

SICOBIO® RANGE

Product code: MN-2019
HS Code: 3101 00 00

SICOBIO® MANGA

Liquid manganese fertiliser

- Made in E.U. -

04/2021

1. PRODUCT DESCRIPTION & PROPERTIES

SICOBIO MANGA is a concentrated single manganese fertiliser, based on lignosulphonic acid and part of our liquid organic single fertilizer line. Due to the unique production process, the nutrients are 100% present in solution and can therefore be taken up directly by the plant. The product is fully made from plant-based materials and certified for use in organic agri- and horticulture. Due to the natural origin the nutrient content may vary.

SICOBIO MANGA improves the photosynthesis of the crops. It manages enzymes which are responsible for green leaves. A shortage of manganese in the soil causes a pale green discolouration and speckled sports on the plant. Use SICOBIO MANGA preventatively for optimal growth and curatively when manganese deficiency occurs in the crop. Manganese creates strong cellular walls. SICOBIO MANGA therefore increases resistance against fungal diseases.

The absorption of manganese is highly dependent on a correct pH value of the soil. Manganese has an antagonistic effect on iron.

2. PRODUCT SPECIFICATIONS & CERTIFICATE OF ANALYSIS

Chemical Analysis

	% w/w
Manganese (Mn)	6.0 %
pH	7

complexed by lignosulphonic acid

Physical Properties

Appearance	Liquid
Colour	Dark brown
Density (kg/l)	1.285

3 ADVANTAGES & BENEFITS

- Prevents necrosis
- Very suitable for use in irrigation systems
- Can be administered as leaf fertilizer
- Direct and quick uptake
- Prevents manganese deficiency

4. USAGE & RECOMMENDATIONS

*** Application**

It is advised to always have an expert make a fertilization plan and to start with a test application. No guarantees can be given in the event of incorrect use.

General recommended guidelines

<u>APPLICATION</u>	<u>DOSE</u>	<u>DOSAGE</u>
Irrigation	2 – 3.5 litre/ha	Up to 4-8 applications, or follow recipe
Foliar	2.5 – 4 cc/litre	Every two weeks

Crop specific applications

<u>CROP</u>	<u>APPLICATION</u>
Vegetables	1.5 – 3 litre/ha every 7 days, dripping 1.5 – 2.0 litre/ha
Cotton	1.5 – 3 litre/ha
Corn	1 – 2 litre/ha
Citrus and fruit trees	1.5 – 3 litre/ha every 10 days till the crop has recovered
Grapevine and olive	1.5 – 2.5 litre/ha in 400 litre water
Ornamental	2.5 – 3.5 litre/ha in a minimum of 400 litre water, dripping 2 – 3 litre/ha
Potato	1.5 – 2.5 litre/ha every 10 days till the crop has recovered

5. PACKING: 0.25 – 0.5 – 1 – 10 – 20 -220 -1000 ltr

6. STORAGE & SHELF LIFE: Store in original closed container. Store in a dark and dry environment at 10 – 30° C. Shelf life: 1.5 – 2 years if stored properly.

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

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