



## **SICOFLOW-MAE**

**3.8% N + 3.3% Mn + 5.4% MgO + 16.3% SO<sub>3</sub>**

*Manganese based fertiliser with Sulphur and MgO (suspension)*

revised 04/2022 – ref 92135

### **1. PRODUCT DESCRIPTION**

**SICOFLOW-MAE** is a Manganese based fertiliser with Sulphur and MgO (suspension)

### **2/ PRODUCT SPECIFICATIONS & ANALYSIS**

#### **\* ANALYSIS & NUTRIENTS TABLE**

Nitrogen (N) total	3.8 %	(51 g/l)
Urea Nitrogen (N-NH <sub>2</sub> )	3.8 %	(51 g/l)
Magnesium Oxide (MgO)	5.4 %	(72 g/l)
Sulphur trioxide (anhydrous sulphur) (SO <sub>3</sub> )	16.3 %	(218 g/l)
Manganese (Mn)	3.3 %	(44 g/l)

#### **\* SPECIFICATIONS & COMPOSITION**

Colour:	white
Type:	flow
Density:	1.34
pH at 20°C:	3.5-4.5

### **3/ ADVANTAGES & ROLE OF MANGANESE**

- => direct influence on photosynthesis
- => major actor in the formulation of lipids
- => necessary for the reduction of nitrates : - formation of proteins  
- formation of sulphur
- => The manganese is a catalyser of the chlorophyll synthesis and supports the nitrogen dynamics within the plant. That element is less mobile in the plant and the deficiency appears first on the young leaves.

### **ADVANTAGES & ROLE OF MAGNESIUM**

- => The magnesium is a key component of chlorophyll and consequently, it supports the photosynthesis. Its role on the yield is very important. The magnesium is rather mobile in the plant. Any deficiency is observable on the older leaves first.

**- SICOFLOW-MAE is the perfect combination of requested elements for cereals, thanks to the balanced elements concentrations.**

- Each element supports the assimilation of the others.

### **4/ RECOMMENDED APPLICATION RATES & DOSAGES**

Starter fertiliser for all crops for leaf and drip irrigation applications.

#### **PERENNIALS AND FRUIT CROPS:**

- Pome fruits : 3 x 4 l/ha after petal fall, when fruits reach walnut size, after harvest.
- Stone fruits : 2 x 4 l/ha at fruit set, and 10-14 days later.
- Grapes : 3 x 3 l/ha when flowering buds are visible, when flower buds separate and at fruit set.
- Berries : 4 l/ha before start of flowering.
- Conifers : 6 l/ha once there is new season leaf production, and again in early autumn.
- Tobacco : 3 x 2 l/ha after four leaf stage, repeat every 14 days.
- Hops : 2-4 x 2 l/ha after 0.5 m to start of flowering.
- Oil palm : 4 l/ha when moderate to severe deficiency.

#### **ARABLE CROPS:**

- Cereals : 4-8 l/ha after three leaves stage and end of tillering.
- Maize : 4 l/ha at 6-8 leaf stage.
- Soybean, beans, peas : 3 x 6 l/ha at 4-6 leaf stage (for deficiency/yield), at start and end of flowering (for Marsh Spot).
- Linseed : 4 l/ha when crop is 15 cm tall.
- Oilseed rape : 2 x 6 l/ha at 4-6 leaf stage and at stem elongation; avoid application during flowering.
- Potatoes : 4 x 2 l/ha 1 week after 100% flowering, and at 15 day intervals.
- Sugar beet : 4-8 l/ha at row closing.
- Sunflower : 4 l/ha at 4-8 pairs of leaves.

#### **VEGETABLES (OPEN FIELDS):**

- Root and stem vegetables : 4 l/ha 40 days after seeding (15 cm).



- Bulb vegetables : 3x 4 l/ha at 4 leaf stage, bulb initiation, and bulb enlargement.
- Asparagus : 6 l/ha when there is sufficient leaf area to intercept spray and prior to senescence of ferns.
- Brassicas : 3-6 l/ha from 4-6 leaf stage.
- Cucurbits : 3-6 l/ha from 4-6 leaf stage.
- Leaf vegetables : 4 l/ha 2 weeks after transplanting.

#### FORRAGE:

- Alfalfa : 10 l/ha at dormancy break, if necessary repeat after every cut when re-growth has occurred.
- Fodder beet : 4-8 l/ha from 4-6 leaf.
- Grass (grazing) : 4 l/ha 10 to 14 days before 'turnout' / grazing.
- Grass (growth) : 4 l/ha as soon as growth initiates in spring, repeat every 10-14 days (up to 5 times).

#### ORNAMENTALS:

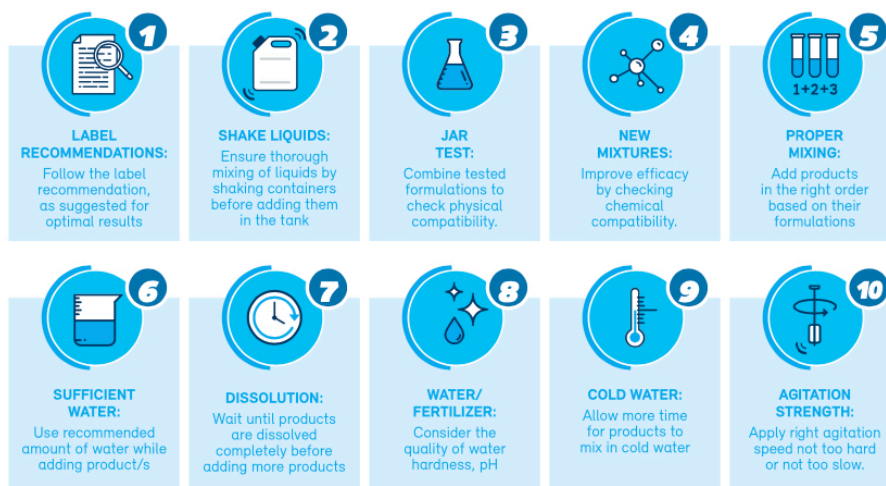
- Daffodil, tulip, lily (field grown) : 6 l/ha when crop is 10-15 cm tall, repeat applications at 7-14 day intervals. Do not apply to crops grown under glass or plastic. Do not apply to the crop in flower.
- Turf and grass (amenity) : 4 l/ha as soon as growth commences in spring, repeat every 10-14 days (up to 5 times).

Or any other crop, to be used only where there is a recognised need. Do not exceed the appropriate dose rates. For any other further detail, please contact your agronomist.  
SAP International Corporation bv does not take responsibility for wrong application. Please revise your local regulation or get advice from your local agronomic advisory service.

## **5/ INSTRUCTIONS FOR USE & STORAGE**



### **TANK MIXES** Compatibility & recommendations



## **6/ PACKINGS**

- 10 lt cans, 500 lt per pallet, 20 pallets = 10,000 lt/20' container.
- 200 lt drums x 4 per pallet, 10 pallets = 8,000 lt/20' container.

## **7/ COMPATIBILITY**

Our products are compatible with most plantcare products. However, a test before application is recommended.