



# Manganese SC

Reg. No. B3298 Act No. 36 of 1947

**FERTILIZER GROUP 2**

**READ LABEL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**MANGANESE SC** is a manganese containing fertilizer for use as a foliar feed to maintain or correct manganese levels in plants.



**DANGER**

**HAZARD STATEMENTS:**

Causes serious eye irritation.  
May cause cancer.

**PRECAUTIONARY STATEMENTS:**

Wash hands and affected area thoroughly after handling.  
Do not touch eyes.  
Store locked up.

Manganese (Mn) 259 g/kg (425 g/ℓ)

**SG = 1.65 @ 20°C**

UN Number: Not Regulated

**Emergency contact details**

Office Hour Poisoning Helpline  
Rolfes Agri (Pty) Ltd.  
Tel: +27 (12) 803 0145

**Registration Holder:** Rolfes Agri (Pty) Ltd.  
(Reg. No. 1998/013411/07) • 288 Mundt Street, Waltloo, 0184  
Gauteng, RSA. • Tel: (012) 803-0145  
[www.rolfesagri.co.za](http://www.rolfesagri.co.za)

**Rolfes**  
Agri

**Spill Response and Transport incidents**

Spill Tech, Oil and chemical pollution control  
Tel: +27 (86) 100 0366 / +27 (83) 253 6618  
[www.spilltech.co.za](http://www.spilltech.co.za)

Shake well before use • Store at room temperature  
Keep out of direct sunlight • Keep container closed when not in use



**PRECAUTIONS:**

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read carefully and follow all instructions.
- Obtain, read and follow all safety instructions before use.
- Wash hands and affected area thoroughly after handling. Do not touch eyes.
- Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF exposed or concerned, get medical advice.
- If eye irritation persists: Get medical help.
- Store locked up.
- Empty all contents from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds. Puncture the rinsed container to render it useless and send to a recycler.

**RELEVANT HAZARDOUS SUBSTANCES:**

Goodrite K759 <10% and Formaldehyde <10%

**DIRECTIONS FOR USE: USE ONLY AS DIRECTED****FIRST AID TREATMENT:**

- **General Advice:** The symptoms resulting from direct exposure to the product could appear a while after exposure. If there is persistent discomfort, seek medical attention.
- **Eye contact:** Flush eyes immediately with large amount of flowing cold water for at least 15 – 20 minutes, until no evidence of chemical remains. If irritation persists, get medical help.
- **Skin contact:** Remove all contaminated clothing and shoes. Gently wipe off residual chemical and wash skin thoroughly with water and non-abrasive soap. If irritation persists, get medical help.
- **Inhalation:** Remove the affected victim from exposure to an area with fresh air. If breathing has stopped, administer artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If irritation persists, get medical help.
- **Ingestion:** If exposed or concerned, rinse mouth thoroughly with large amount of water and get medical help.
- **MANGANESE SC** should preferably be applied early in the morning or late afternoon.
- It is advisable to do a miscibility test prior to mixing **MANGANESE SC** with other chemicals.
- Consult with your chemical distributor should crop specific programs or any other information be required about the use of **MANGANESE SC**.
- Shake the container thoroughly before use.

CROP	MAXIMUM RATE PER HECTARE	RATE PER 100 £ WATER	REMARKS
Apples and Pears	2 ℓ	50 mℓ	Apply at petal fall. In severe cases apply before flowering and at petal fall. On varieties sensitive to russetting, delay applications until 6 weeks after flowering. Apply in sufficient water to provide good cover, but avoid run-off.
Cruciferae	1 ℓ		Apply at 4 – 6 leaf stage in 75 – 200 ℓ water/ha. For moderate to severe deficiencies repeat the application 10 – 14 days later.
Canola	1 ℓ		Apply at onset of stem elongation. For a moderate deficiency apply at 4 – 6 leaf stage and repeat at stem elongation. For a severe deficiency repeat 10 – 14 days later. Avoid application during flowering.
Cereals	0.5 – 1 ℓ		Apply from 2 leaf stage to first node detectable. For moderate to severe deficiency, repeat applications with 10 – 14 day intervals.
Citrus	2 ℓ	50 mℓ	Apply during spring and autumn flushes.
Dry beans and Peas	1 ℓ		Apply at 4 – 6 leaf stage to correct deficiencies or improve yield. For Marsh Spot repeat application at the start and end of flowering. Apply in 200 ℓ water/ha.
Grapes	1 ℓ		Apply as soon as the flower buds are visible, repeat when the flower buds have separated and again at fruit set. Apply in 500 – 1000 ℓ water/ha.
Groundnuts	250 mℓ		Apply at 4 – 6 leaf stage. Repeat 10 – 14 days later if necessary. Apply in 30 – 200 ℓ water/ha.
Maize	1 – 2 ℓ		Apply at 4 – 8 leaf stage. For moderate to severe deficiencies repeat 10 – 14 days later. Apply in 75 – 200 ℓ water/ha.
Potatoes	1 ℓ		Apply 1 week after 100% emergence. For moderate to severe deficiencies repeat the application 10 – 14 days later. Apply in 75 – 200 ℓ water/ha.
Stone Fruit	2 ℓ	50 mℓ	Apply at petal fall and repeat 10 – 14 days later if necessary. Apply sufficient water to provide good cover but avoid run-off.
Tobacco	1 ℓ		Apply 2 – 3 weeks after transplant (3 – 4 leaf stage). Repeat 10 days later if necessary. Apply in 400 ℓ water/ha.