

MANGANESE CHELATE

Reg. No. B2589, Act No. 36 of 1947

FERTILIZER GROUP 2

MANGANESE CHELATE is a highly stable formulation providing a source of chelated manganese that is easily absorbed by plants. Manganese deficiency may be expected in highly leached, very sandy, as well as high pH, calcareous or heavily limed soils. Manganese deficiency is seldom encountered in loam or heavy acid soils.

COMPOSITION:

Manganese (Mn)130 g/kg

EDTA Chelated Complex

**NOT CLASSIFIABLE
IN TERMS OF GHS**

GHS PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.

Do not eat, drink when using this product



Registration Holder:

AECI® Limited

Reg. No. 1924/002590/06

P.O. Box 14418

Witfield, 1467

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14 Field Road (Cnr Bird Street), Lilianton, 1459 Tel: (011) 823-8000

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CONTENTS: 1; 20; 25 kg

BATCH NO:

UN No. Not regulated

WARNINGS:

Biodew is **ONLY** recommended when **Manganese Chelate** is applied on its own with no other agricultural remedies in the tank mixture.

RELEVANT SUBSTANCES

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
	EC-No.		EC1272/2008
Manganese chelate	15375-84-5	90-100%	Not classified.
	239-407-5		

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **MANGANESE CHELATE** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

APPLICATION METHODS:

FOLIAR SPRAYS:

Apply in sufficient volume of water to ensure good coverage. Spray a sufficient amount of mixture to coat all leaves and stems with the minimum amount of runoff. For fruit crops - **DO NOT** exceed a spray concentration of 1 g/l. The use of a wetting agent such as **Biodew**, is recommended.

- **Field crops:** minimum of 200 l/ha
- **Tree crops:** minimum of 500 l/ha

GROUND APPLICATION:

Dissolve in a sufficient volume of water and apply to the soil as a coarse low-pressure spray. Applications to be incorporated into the top few cm of the soil as soon as possible after application.

COMPATIBILITY:

Manganese Chelate is compatible with **Biodew**® (Reg. No. L8120, Act No. 36 of 1947).

The compatibility of **Manganese Chelate** has not yet been proven with other agricultural remedies. However, its compatibility with other products may be influenced by several factors. As certain factors may vary from farm to farm, a physical compatibility test must always be performed before such a tank mixture is sprayed. For more information on compatibility or in the event of uncertainty, contact your local AECI Plant Health Crop Adviser.

It is recommended to do a compatibility test on a small area and observe the treated area for 3 days before doing commercial applications.

APPLICATION TABLE:

CROP	APPLICATION RATE	REMARKS
APPLES, PEARS	1.0 to 2.0 kg/ha	Apply as a foliar spray before blossoming. Repeat after harvesting.
CITRUS	1.0 to 2.0 kg/ha	Apply as a foliar spray to new growth flush during early Spring. Repeat 3 to 4 weeks later.
FIELD CROPS (Maize, Beans, Peas, Soybeans, Groundnuts, Wheat, Barley, Oats, Cruciferae, Onions, Tomatoes)	1.0 to 2.0 kg/ha 2.0 to 6.0 kg/ha	Apply as a foliar spray early during the growing season when crops have sufficient leaves to absorb the spray mixture. Repeat 3 to 4 weeks later if necessary. Ground application: Refer to “Ground Application recommendation” under “Application Methods” above.
OLIVES	1.2 kg/ha	Apply as a foliar spray during late Spring.
PASTURES	4 kg/ha	Ground application: Apply during early Spring and repeat annually.
STONE FRUIT (Apricots, Peaches, Plums)	1.0 to 2.0 kg/ha	Apply as a foliar spray after harvesting.

Biodew® is the registered trademark of AECI® Limited

MANGANESE CHELATE

Reg. Nr. B2589, Wet Nr. 36 van 1947

MISSTOF GROEP 2

MANGANESE CHELATE is 'n hoogs stabiele formulasie wat 'n maklik opneembare bron van gecheleerde mangaan bevat. Mangaan tekorte kan voorkom in hoog geloogde, sanderige grond, asook gronde met 'n hoë pH. Mangaan tekorte kom selde voor in leemgrond óf gronde met 'n lae pH (suurgrond).

SAMESTELLING:

Mangaan (Mn)130 g/kg

Gecheleerde EDTA Kompleks

INHOUD: 1; 20; 25 kg

LOTNOMMER:

VN Nr. Nie gereguleer nie



Registrasiehouer:

AECI® Beperk

Reg. Nr. 1924/002590/06

Posbus 14418

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WAARSKUWING:

Biodew moet slegs bygevoeg word indien die spuitmengsel alleen toegedien word, en nie in tenkmengsels met ander landboumiddels nie.

TOEDIENINGS METODES:

BLAARBESPUITINGS:

Dien in 'n voldoende hoeveelheid water toe om 'n goeie bedekking te verseker. 'n Voldoende hoeveelheid spuitmengsel word benodig om blare en stamme te bedek om sodoende die hoeveelheid afloop te beperk tot 'n minimum. In geval van vrugtegewasse **MOENIE** die spuitkonsentrasie van 1 g/l oorskry nie. Die gebruik van 'n benatter soos bv. **Biodew** word aanbeveel.

- **Landbougewasse:** minimum van 200 l/ha
- **Boomgewasse:** minimum van 500 l/ha

GRONDTOEDIENING:

Los op in 'n voldoende hoeveelheid water en dien toe op die grond as 'n growwe lae-druk bespuiting. Toedienings moet geïnkorporeer word in die boonste paar sentimeter van die grond so spoedig moontlik na toediening.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui

VERENIGBAARHEID:

Manganese Chelate is verenigbaar met **Biodew®** (Reg. Nr. L8120, Wet Nr. 36 van 1947).

Die verenigbaarheid van **Manganese Chelate** met ander landboumiddels is nog onbekend. Alhoewel, die verenigbaarheid met ander produkte kan deur verskeie faktore beïnvloed word. Omdat hierdie faktore van tyd tot tyd kan varieër moet 'n fisiese mengbaarheidstoets eers uitgevoer word, voordat enige tenkmengsel gespuit word. Vir verdere besonderhede rakende die mengbaarheid óf in die geval van onsekerheid, kontak u plaaslike AECl Plant Health Gewasadviseur.

Dit word egter aanbeveel dat 'n toets op 'n klein area gedoen en gemonitor word vir 3 dae, voordat enige kommersiële toedienings gedoen word.

TOEDIENINGSTABEL:

GEWAS	TOEDIENINGS-HOEVEELHEID	OPMERKINGS
APPELS, PERE	1.0 tot 2.0 kg/ha	Dien toe as 'n blaarbespuiting vóór blom. Herhaal bespuiting na oes.
LANDBOUGEWASSE (Mielies, Bone, Ertjies, Sojabone, Grondboontjies, Koring, Gars, Hawer, Koolgewasse, Uie, Tamaties)	1.0 tot 2.0 kg/ha 2.0 tot 6.0 kg/ha	Dien 'n blaarbespuiting vroeg in die groeiseisoen toe sodra gewas voldoende blare het om die spuitmengsel te kan opneem. Herhaal 3 tot 4 weke later indien nodig. <u>Grondtoediening:</u> Verwys na grondtoediening onder "Toedienings metodes" tabel.
OLYWE	1.2 kg/ha	Dien toe as 'n blaarbespuiting tydens laat Lente.
SITRUS	1.0 tot 2.0 kg/ha	Dien toe as 'n blaarbespuiting op nuwe groei vroeg tydens vroeë Lente. Herhaal 3 tot 4 weke later.
STEENVRUGTE (Appelkose, Perskes, Pruime)	1.0 tot 2.0 kg/ha	Dien toe as 'n blaarbespuiting na oes.
WEIDING	4 kg/ha	<u>Grondtoediening:</u> Dien toe tydens vroeë Lente en herhaal jaarliks.

Biodew® is die geregistreerde handelsmerk van AECI® Beperk