

NANO ENGINEERED

Growing with

FERTION



MANGANESE METALIN 500

**Manganese application for agricultural use.
Liquid micronutrient for foliar, soil and seedcoating application.**

5 Litre

Gross weight: 7.90 kg Nett weight: 7.60 kg
SG 1.52 at 20 °C

Highly concentrated | Bio available

REGISTERED PLANT NUTRIENT CONTENT

Manganese as Mn 500 g/ℓ (328 g/kg)



KIMLEIGH
CHEMICALS SA (PTY) LTD
INNOVATIVE CHEMISTRY

Registered and Manufactured by:

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Fertilizer Group 2
Reg No B4244 Act 36 of 1947

Recommendations:

| CROP | DOSAGE* | WATER RATE** | TIMING |
|--------------------------------------------------------------|--------------------|-------------------|---------------------------------------------------------------------------|
| Acacia | 1 – 2 ℓ / ha | >20 ℓ / ha | During spring flush. |
| Apples | 1.0 – 1.5 ℓ / ha | 200 – 1000 ℓ / ha | Prior to flowering. |
| Apricot, Cherry, Peach Plum, Nectarines | 1.5 ℓ / ha | 200 ℓ / ha | During fruit development. |
| Beans, Peas | 1 ℓ / ha | 30 – 200 ℓ / ha | 4 – 6 Leaf stage and at start of flowering. Seed dressing 3 – 6 ℓ / ton. |
| Brassicac | 1 ℓ / ha | 30 – 200 ℓ / ha | From 4 true leaves. Repeat 10 – 14 days later. |
| Canola | 1 ℓ / ha | 30 – 200 ℓ / ha | 4 – 6 Leaf stage (avoid during flowering). Seed dressing 10 – 22 ℓ / ton. |
| Cereals | 1 – 2 ℓ / ha | 30 – 200 ℓ / ha | From 2 leaf stage to 2nd mode detectable. Seed dressing 3 – 6 ℓ / ton. |
| Citrus | 1.25 – 1.50 ℓ / ha | 500 – 1000 ℓ / ha | During spring flush. |
| Cucumbers, Cucurbits, Spuash, Watermelon (field grown) | 1 – 2 ℓ / ha | 50 – 200 ℓ / ha | When sufficient leaf area to intercept spray. |
| Eucalyptus | 1 – 2 ℓ / ha | >20 ℓ / ha | During spring flush. |
| Grapevines | 1 ℓ / ha | 500 – 1000 ℓ / ha | At flower buds visible until fruit set. |
| Lucerne | 1 ℓ / ha | 30 – 200 ℓ / ha | When sufficient leaf area to intercept spray. |
| Olive | 1 ℓ / ha | 1000 ℓ / ha | Apply at start of season. Avoid flowering. |
| Onions | 1 ℓ / ha | 50 ℓ / ha | When sufficient leaf area to intercept spray. |
| Potatoes | 1 – 2 ℓ / ha | 30 – 200 ℓ / ha | At 1 week after 100% emergence, repeat 10 – 14 days later. |
| Tomatoes (field grown) | 0.5 – 1 ℓ / ha | 30 – 500 ℓ / ha | 4 – 6 Leaf stage, repeat 10 – 14 days later. |
| Soil application (all crops) | <4 ℓ / ha | >50 ℓ / ha | |
| Seed treatment | 3 – 6 ℓ / ha | | |

DIRECTIONS FOR USE

Mix the product thoroughly before use. Fill working solution tank with 75% water, agitate and pour in required product quantity. Top up working solution tank to capacity. Start spraying while agitating solution. Foliar/Soil: use enough water for full cover spray or to spray soil surface around the root zone. Care should be taken when mixing this product with other products in the same working solution tank and is entirely at the risk of the end-user.

Seed treatment: treated seed should be used in first season after application. Stored treated seed is entirely at the risk of the end user.

PRECAUTIONS

Use only on crops as listed. Do not apply under extreme conditions such as rain, frost, very low and very high humidity. Wear PPE such as gloves and face shield when handling the product. Always clean application equipment before and after use.

WARNINGS

Harmful if swallowed. Do not breathe spray. Inhalation may cause irritation or damage to respiratory tract.

Shake well before use. Skud deeglik voor gebruik.



STORAGE

Keep in a cool, dry chemical store and avoid temperatures in excess of 40°C. Always seal used containers. Keep out of reach of children, livestock and uninformed persons.

*** Best practice: Product dosage should be determined by soil, leaf and/or sap analyses.**

**** Water rate application: Aerial 30 – 60 ℓ / ha; tractored spraying 200 – 300 ℓ / ha; tractored misting (orchards) 800 – 1000 ℓ / ha**

NOTE: Adulteration mixing or dilution of this product and/or where it is used for something other than its intended purpose, will result in any warranty given by the Manufacturer declared as null and void.

Please contact your Agriculturist for specific crop application.