

# Instructor

The Plant Performance Catalyst

Reg. No. K 3731 Act No. 36 of 1947 / Reg Nr. K 3731 Wet Nr. 36 van 1947

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

Group/Groep

2

Fertilizer/Kunsmis

A LIQUID ELEMENT FERTILIZER WITH BRASSINOILDE FOR FOLIAR FEEDING.

#### Danger



#### Hazard Statements:

- Causes severe skin burns and eye damage.
- May damage fertility or the unborn child.
- Causes damage to organs through prolonged or repeated exposure.



#### Precautionary Statements:

- Do not breathe the mist and spray.
- Wash hands thoroughly after handling.
- Wear protective gloves, protective clothing, eye protection and face protection.

#### Composition:

Magnesium (Mg)	13.6 g/kg	17.0 g/L	Manganese (Mn)	22.2 g/kg	27.8 g/L
Sulfur (S)	48.2 g/kg	60.2 g/L	Boron (B)	2.8 g/kg	3.5 g/L
Zinc (Zn)	26.4 g/kg	33.0 g/L	Iron (Fe)	4.9 g/kg	6.1 g/L

S.G (at 20°C): 1.25

Registration Holder / Registrasiehouer: N Laboratories (PTY) LTD

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Net Volume:

1 L

**WARNINGS:**• **GHS Hazard Statements:**

Pictograms and Signal word	Hazard Statements	
<b>Danger</b>  	H314	Causes severe skin burns and eye damage.
	H360	May damage fertility or the unborn child.
	H373	Causes damage to organs through prolonged or repeated exposure.

• **Relevant Substance:**

Name	CAS No.	Weight (%)
Manganese sulphate	10034-96-5	6.97
Mono ethanol amine	141-43-5	6.40
Iron sulphate	7782-63-0	2.79
Zinc sulphate	7446-20-0	7.54

Although this fertilizer has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label as well as by the method, time and accuracy of the application. Furthermore, the registration holder does not accept responsibility for damage to crops, vegetation, the environment, or harm to man or animal, or lack of performance of the fertilizer concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**PRECAUTIONS:**• **GHS Precautionary Statements:**

P260	Do not breathe mist and spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P301 P330 P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 P361 P353	IF ON SKIN (or hair): Take off all contaminated clothing immediately. Rinse skin with water (or shower).
P304 P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 P351 P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P363	Wash contaminated clothing before reuse.

- Clean applicator and mixing containers thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Triple rinse the empty container: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Do not re-use container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

#### **DIRECTIONS FOR USE:**

- SHAKE BEFORE USING.
- Use only as indicated on this label.
- Use exclusively as fertilizer.

**Mixing and Application Details:** Instructor should preferably be applied in the early morning or late afternoon. The rate of application is dependent on the soil fertility and reaction required. The lower rates should be used for maintenance while the higher rates will correct nutritional deficiencies. Use a medium to high spray volume to ensure complete coverage of the crop.

**Storage:** Instructor should be stored out of direct sunlight and in a dry and cool place under frost-free conditions. Keep the product locked up and out of the reach of children and animals. Avoid contamination of foodstuff or water sources.

<b>Crops</b>	<b>Dosage/ha</b>	<b>Remarks</b>
Bean: Dry & Green	100 ml	Apply first application at 4-8 leaf stage and repeat during flowering.
Berry	200 ml	Apply first application at 4-6 leaf stage and repeat every 28 days.
Carrot	200 ml	Apply first application at 4-6 leaf stage, repeat every 28 days.
Cherry	150 ml	Apply first application at 50% flowering, repeat at fruit set and 28 days later.
Citrus	300 ml	Apply first application at 50% flowering, repeat at fruit set and 28 days later.
Cruciferae	200 ml	Start application at 4-8 leaf stage, repeat during flowering.
Cucurbit	200 ml	Start application at 4-8 leaf stage, repeat during flowering.
Kiwi Fruit	150 ml	Start first application at 15 cm shoot length, repeat at pre-flowering, 3 mm berry size and 28 days later.
Lettuce	200 ml	Start application at 4-8 leaf stage, repeat every 21 days.
Maize	100 ml	Start first application at 15 cm shoot height, repeat during flowering.
Nuts: Macadamia, Pecan	300 ml	Apply first application at 50% flowering, repeat at fruit set and 28 days later.
Olive	200 ml	Apply first application at 50% flowering, repeat at fruit set and 28 days later.
Onion	200 ml	Start application at 4-6 leaf stages, repeat at every 21 days.
Ornamental	200 ml	Apply every 21-28 days.
Peanut	100 ml	Start application at 4-8 leaf stage, repeat during flowering.
Pepper	200 ml	Start application at 4-6 leaf stage, repeat every 28 days.

Crops	Dosage/ha	Remarks
Pome Fruit: Apple, Pear	300 ml	Apply first application at 50% flowering, repeat at fruit set and 28 days later.
Potato	200 ml	Start application at 100% emergence (3-5 weeks), repeat every 21 days.
Seedling	5 ml/10 L	Drench 10 days after germination, repeat 28 days later.
Soybean	100 ml	Apply first application at 4-8 leaf stage, repeat during flowering.
Stone Fruit: Nectarine, Peach	300 ml	Apply first application at 50% flowering, repeat at fruit set and 28 days later.
Sugarcane	200 ml	Start application at 30 cm plant height, repeat 28 days later.
Sunflower	100 ml	Start application at 20 cm plant height, repeat during flowering.
Table Grape & Vine	150 ml	Start first application at 15 cm shoot length, repeat at pre-flowering, 3 mm berry size and 28 days later.
Tobacco	200 ml	Start application at 4-6 leaf stage, repeat every 21 days.
Tomato	200 ml	Start application at 4-6 leaf stage, repeat every 21 days.
Turf	200 ml	Repeat every 21-28 days.
Wheat	100 ml	Start application at flag leaf stage, repeat during flowering (anthesis).