

SIGNAL[®]

Crop Defence System

Reg. No B 4741 Act No. 36 of 1947 / Reg. Nr. B 4741 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 FERTILIZER COMPLEX COMBINATION OF MICRONUTRIENTS (COPPER, MANGANESE AND ZINC) FOR CROPS AS LISTED.

Danger



Hazard Statements:

- Causes serious eye damage.
- Very toxic to aquatic life.

Precautionary Statements:

- Wash hands thoroughly after handling.
- Avoid release to the environment.
- Use personal protective equipment as required.

Composition:

Copper (Cu)*	3.2 g/kg	4.0 g/L
Manganese (Mn)*	20.4 g/kg	25.5 g/L
Zinc (Zn)*	35.2 g/kg	44.0 g/L

*Organically Chelated

S.G (at 20°C): 1.25

UN 3082

Registration Holder / Registrasiehouer: N Laboratories (PTY) LTD • Reg No.: 2015/165672/07
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Signal[®] is a registered trademark of N Laboratories (PTY) LTD / Signal[®] is 'n geregistreerde handelsmerk van N Laboratories (EDMS) BPK

Net Volume:

20 L



ZAR 003

Performance

WARNINGS:**• GHS Hazard Statements:**

Pictograms and Signal word	Hazard Statements	
Danger  	H318	Causes serious eye damage.
	H400	Very toxic to aquatic life.

• Relevant Substance:

Name	CAS No.	Weight (%)
Copper sulfate	7758-99-8	7
Zinc oxide	1314-13-2	1.75

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:**

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P305 P351 P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391	Collect spillage.

- Do not eat, drink or smoke whilst mixing or applying.
- Wash hands and face before eating, drinking, smoking or using the toilet.
- Avoid spray drift onto adjacent crops, grazing, rivers and dams.
- Clean applicators before using for other remedies and ensure disposal of wash water does not contaminate crops, grazing, rivers, dams and water sources.
- 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). 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 the container for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.

DIRECTIONS FOR USE:

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

Row Crops:	
Foliar Applications:	Dilute 1 L/100 L water and apply to the crop (Max concentration of 3% or 3 L/100 L of water).
Soil Applications:	3-5 L/ha application.
Infurrow Applications:	1-3 L/ha application.
Tree Crops and Vines:	
Foliar Applications:	Dilute 500 ml/100 L water and apply as a full cover application (Max concentration of 2% or 2 L/100 L of water).
Soil Applications:	3-10 L/ha per application, dilute 1:1000 and apply 3-6 times through the growth periods.

Mixing: Signal® 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.

Storage: Signal® 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.

Crop	Rate/100 L Water	Remarks
Bean: Dry & Green	500 ml Max rate of 4 L/ha	Begin application prior to pod set and repeat every 7-14 days.
Bulb Vegetables: Bulb onion, Garlic, Leek, Spring onion	500 ml Max rate of 4 L/ha	Apply at bulb initiation and repeat every 7-14 days.
Cruciferae: Broccoli, Brussels sprouts, Cabbage, Chinese cabbage, Kale, Kohlrabi, Mustard	500 ml Max rate of 3 L/ha	Apply weekly, ensuring good wetting of the entire plant beginning prior to onset of head formation.

Crop	Rate/100 L Water	Remarks
Cucurbit: Cucumber, Pumpkin, Melon, Watermelon	500 ml Max rate of 4 L/ha	Apply at flowering and repeat with 14 day intervals.
Leafy Vegetables: Chard, Chicory, Lettuce, Mung bean sprouts, Radish, Spinach, Watercress	500 ml Max rate of 3 L/ha	Apply weekly, ensuring good wetting of the entire plant beginning prior to onset of head formation.
Pea	500 ml Max rate of 4 L/ha	Apply at pod initiation and repeat every 7-14 days.
Pepper	500 ml Max rate of 4 L/ha	Begin application prior to fruit set and repeat every 7-14 days.
Pome Fruit: Apple, Pear	200-300 ml Max rate of 3 L/ha	Apply 3-4 applications from 50% flowering and repeat with 14 day intervals. For Pear: Do not combine Signal® with other foliar feeds or adjuvants.
Potato	500 ml Max rate of 4 L/ha	Apply at tuber initiation and repeat every 7-14 days.
Stone Fruit: Almond, Apricot, Cherry, Nectarine, Peach, Plum, Prune	200-300 ml Max rate of 3 L/ha Small Tree (1-3) Year Max 1 L/ha Medium Tree (4-6) Year Max 2 L/ha Large Tree (7 Plus) Year Max 3 L/ha	Apply 3-4 applications from 75% petal drop and repeat at 14 day intervals. If weather conditions favour bacterial infections, additional applications can be considered. If possible, rather spray low concentration more frequently.
Tobacco	500 ml Max rate of 4 L/ha	Apply 2-3 applications bi-weekly starting at 30 cm in height.
Tomato	500 ml Max rate of 4 L/ha	Begin application prior to fruit set and repeat every 7-14 days.