



PRODUCT DATA SHEET (PDS) CROPCARE ZMC



SA Reg No.: B4302 Act 36 of 1947 |
ZAM Reg No.: LSK/PTS/01296/Z02/2021: IP: PN7533
FERTILISER GROUP 1

PRODUCT DESCRIPTION

Crocare ZMC is a water-soluble Micro-Element.

ACTIVE INGREDIENTS

Sulphur (S).....	143.90 g/kg
Manganese (Mn)	117.60 g/kg
Zinc (Zn)	112.80 g/kg
Copper (Cu)	31.30 g/kg
Boron (B)	30.60 g/kg

NET MASS / VOLUME
25 kg

REGISTRATION HOLDER

Metson World
CK 2010/019964/07
51 Verdun Road, Kya Sands, 2196
Tel: +27 11 792 8968

EMERGENCY CONTACT NUMBER

0861 Metson (638 766)

IN CASE OF POISONING

Contact the National Poison Centre
+27 86 155 5777

GHS PICTOGRAM



WARNING / DANGER

BATCH NUMBER



UN Number: Not regulated

HAZARD STATEMENT

- Harmful if swallowed.
- Causes serious eye damage.
- May damage fertility. May damage the unborn child.
- Causes damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects.



PRODUCT DATA SHEET (PDS) CROPCARE ZMC



PRECAUTIONARY STATEMENTS

- Poisonous when swallowed.
- Wear eye protection.
- Do not eat, drink, or smoke when mixing or using this product. Do not inhale dust.
- Remove contaminated clothing immediately.
- IF ON SKIN: wash with plenty of soap and water.
- IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing.
- In case of poisoning: CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

STORAGE CONDITIONS

- Store in a well-ventilated area.
- Keep container/bag tightly closed.
- Destroy empty container/bag by perforating, flattening and dispose of container/bag in a safe way.
- Do not store with food, feed or other materials for human consumption.
- Keep out of reach of children.
- Recommended storage condition below 40°C. Avoid freezing.
- Do not store diluted product.
- Store containers/bags evenly on a sturdy, intact pallet.

DIRECTIONS FOR USE: Use only as directed

CROPCARE ZMC is a water-soluble micro-element mix to be applied either as soil application or foliar feed.

CROPCARE ZMC should preferably be applied in the early morning or late afternoon. Do not apply to plants that are undergoing a period of moisture or heat stress. Also ensure that this product is applied in adequate amounts of water to ensure complete coverage of the crop.

Consult with your agronomist should crop specific programmes or any other information be required about the use of **CROPCARE ZMC** such as recommendations based on plant and/or soil analysis.

- Avoid mixing **CROPCARE ZMC** with Bordeaux Mixture, MCPA and 2,4-D.
- Avoid mixing with MoB.
- Follow the standard mixing instructions to ensure that the product is completely dissolved prior to the application of **CROPCARE ZMC**.
- Store in a cool dry place.
- Do not apply as a concentrate.

APPLICATION DETAILS

CROPS	RATE PER HECTARE	APPLICATION
Beans (Sugar, Dry, Soya, Peanuts)	1 kg/ha	Dry land production: Apply once at 15 – 25 cm plant height
	1.5 kg/ha	Seed production: Apply once at 15 – 25 cm plant height
Citrus	1 kg/ha	First application at first flush following with a second application at bud swell
Clover	500 g/ha	First application at 4- 8 leaf stage with a second application at stem elongation



PRODUCT DATA SHEET (PDS) CROPCARE ZMC



CROPS	RATE PER HECTARE	APPLICATION
Fruit trees	Variable application rates	First application of 1 kg/ha at first flush following with a second application at bud swell
		Non-bearing / new transplants: Three applications of 250 g/ha monthly with the first application with the start of the growing season.
Lucerne/ Lupines	1 kg/ha	Apply at beginning of growing season and 10 days after each cutting
Maize	Variable application rates	<u>Dry land production:</u> 1 kg/ha at 5 – 8 leaf stage. <u>Irrigated / seed production:</u> 2.5 kg/ha at 5 – 8 leaf stage and repeat 3 weeks later. <u>Planting furrow:</u> 1 kg/ha diluted in 50 L water.
Nuts (Almond , Macadamia, Pecan, Pistachio.	1 kg/ha	Apply monthly for 6 months starting after first flush.
Onions	Variable application rates	<u>Dry land production:</u> Apply twice at plant height of 10-15 cm and repeat at bulb formation. <u>Irrigated production:</u> Apply twice at plant height of 10-15 cm and repeat at bulb formation.
Potatoes	Variable application rates	<u>Dry land production:</u> 1.5 kg/ha Apply twice in 200 L water starting at one week after 100% emergence. Repeat 3 weeks after emergence. <u>Irrigated production:</u> 2 kg/ha Apply three times starting one week after 100% emergence, repeat 3 weeks after emergence and then at flowering.
Sub – tropical fruit	2.5 kg/ha	Apply once at fruit set.
Sunflowers	Variable application rates	<u>Dry land production:</u> 1 kg/ha at knee height- do not apply in combination with a herbicide. <u>Irrigated production:</u> 1.5 kg/ha at knee height through center pivot. Repeat at “star” stage at 1 – 1.5 kg/ha.
Tomatoes	250 g/ha	Apply 2 weeks and 3 weeks after transplanting as foliar spray or by drip irrigation.
Wheat, Oats, Sorghum	Variable application rates	<u>Dry land production:</u> 500 g/ha at 4-6 leaf stage. <u>Irrigated production:</u> 2.5 kg/ha at 8 leaf stage – repeat at 12 leaf stage.



PRODUCT DATA SHEET (PDS) CROPCARE ZMC



DISCLAIMERS / CONDITIONS OF SALE

This product is manufactured and tested to specific standards and is sold in good faith. However, no guarantee is given as conditions and methods under which they are used are beyond the control of the manufacturer. Before using, the user should determine the suitability of the product for his/her intended use and the user assumes the risk and liability in connection therewith.



Reg No: B4302 Act 36 of 1947
FERTILISER GROUP 1

PRODUCT DESCRIPTION

Cropcare ZMC is a Water soluble Micro-Element

ACTIVE INGREDIENTS:

Sulphur (S)	143.90 g/kg
Manganese (Mn)	117.60 g/kg
Zinc (Zn)	112.80 g/kg
Copper (Cu)	31.30 g/kg
Boron (B)	30.60 g/kg

NET MASS
VOLUME **25 kg**

HAZARD STATEMENT:

- Harmful if swallowed.
- Causes serious eye damage.
- May damage fertility; May damage the unborn child.
- Causes damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

- Poisonous when swallowed Wear protective eye protection.
- Do not eat, drink, or smoke when mixing or using this product Do not inhale dust.
- Remove contaminated clothing immediately.
- IF ON SKIN: wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing.
- In case of poisoning: CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

STORAGE CONDITIONS:

- Store in a well-ventilated area. Keep container tightly closed.
- Destroy empty container by perforating, flattening and dispose of container in a safe way.
- Store away from food and feedstuffs.
- Prevent contamination of food, feedstuffs, drinking water, eating utensils.
- Keep out of reach of children.

DIRECTIONS FOR USE: Use only as directed.

CROPCARE ZMC is a water-soluble micro-element mix to be applied either as soil application or foliar feed.

CROPCARE ZMC should preferably be applied in the early morning or late afternoon. Do not apply to plants that are undergoing a period of moisture or heat stress. Also ensure that this product is applied in adequate amounts of water to ensure complete coverage of the crop.

Consult with your agronomist should crop-specific programmes or any other information be required about the use of CROPCARE ZMC such as recommendations based on plant and/or soil analysis.

- Avoid mixing CROPCARE ZMC with Bordeaux Mixture, MCPA and 2,4-D.
- Avoid mixing with MoB.
- Follow the standard mixing instructions to ensure that the product is completely dissolved prior to the application of CROPCARE ZMC.
- Store in a cool dry place.
- Do not apply as a concentrate.

WARNING:
Keep away from food and feeds. Store in a cool dry place out of reach from children and/or untrained persons and animals.



**WARNING
DANGER**

APPLICATION DETAILS:

CROPS	RATE PER HECTARE	APPLICATION
Beans (Sugar, Dry, Soya, Peanuts)	1 kg/ha	<u>Dry land production:</u> Apply at 15-25 cm plant height.
	1.5 kg/ha	<u>Seed production:</u> Apply at 15-25 cm plant height.
Citrus	1 kg/ha	First application at first flush following with a second application at bud swell.
Clover	500 g/ha	First application at 4-6 leaf stage with a second application at stem elongation.
Fruit trees	Variable application rates	First application of 1kg/ha at first flush following with a second application at bud swell. Non-bearing / new transplants: Three applications of 250g/ha monthly with the first application with the start of the growing season.
Lucerne/ Lupines	1 kg/ha	Apply at beginning of growing season and 30 days after each cutting.
Maize	Variable application rates	<u>Dry land production:</u> 1 kg/ha at 5-8 leaf stage. <u>Irrigated / seed production:</u> 2.5 kg/ha at 5-8 leaf stage and repeat 3 weeks later. <u>Planting furrows:</u> 3k g/ha diluted in 50 L water.
Nuts (Almond, Macadamia, Pecan, Pistachio).	1 kg/ha	Apply monthly for 6 months starting after first flush.
Onions	Variable application rates	<u>Dry land production:</u> 1.5k g/ha Apply twice at plant height of 10-15 cm and repeat at bulb formation. <u>Irrigated production:</u> 2 kg/ha Apply at 15-25 cm plant and repeat at bulb formation.
Potatoes	Variable application rates	<u>Dry land production:</u> 1.5 kg/ha Apply twice in 200L water starting at one week after 100% emergence. Repeat 3 weeks after emergence. <u>Irrigated production:</u> 2 kg/ha Apply three times starting one week after 100% emergence, repeat 3 weeks after emergence and then at flowering.
Sub-tropical fruit	2.5 kg/ha	Apply once at fruit set.
Sunflowers	Variable application rates	<u>Dry land production:</u> 1 kg/ha at knee height-do not apply in combination with a herbicide. <u>Irrigated production:</u> 1.5 kg/ha at knee height through centre pivot. Repeat at "star" stage at 1-1.5 kg/ha.
Tomatoes	250 g/ha	Apply 2 weeks and 3 weeks after transplanting as foliar spray or by drip irrigation.
Wheat, Oats, Sorghum	Variable application rates	<u>Dry land production:</u> 500 g/ha at 4-6 leaf stage. <u>Irrigated production:</u> 2.5 kg/ha at 6 leaf stage - repeat at 12 leaf stage.

REGISTRATION HOLDER: Metson World
CK 2010/019964/07
51 Verden Road, Ryn Sands, 2196
Tel: +27 11 792 0968
0861 Metson (630 766)

EMERGENCY CONTACT:

Batch No:
Packed Date:

Shake well before use
UN Number: Not Regulated

DISCLAIMERS / CONDITIONS OF SALE:

This product is manufactured and tested to specific standards and are sold in good faith, however, no guarantee is given as conditions and methods under which they are used are beyond the control of the manufacturer. Before using, the user should determine the suitability of the product for his/ her intended use and the user assumes the risk and liability in connection therewith.

Growing with Metson/ Groei saam met ons