

ZINCMAX®

Reg. No. B4772, Act No. 36 of 1947
Botswana Reg. No. W1301523, Act No. 18 of 1999
Namibian Reg. No. N-F 1418

LIQUID ORGANIC ZINC COMPLEX

FERTILIZER GROUP 2

A liquid organic zinc complex for use as a foliar nutrient on various crops to prevent or correct zinc deficiencies.

COMPOSITION:

Zinc (Zn) 100 g/kg (130 g/l)
Boron (B)..... 5 g/kg (6.5 g/l)



WARNING

GHS HAZARD STATEMENTS

Causes skin irritation.
Causes serious eye irritation.

GHS PRECAUTIONARY STATEMENTS

Wear protective gloves, protective clothing, eye protection and face protection.
Wash hands and face thoroughly after handling.



REGISTRATION HOLDER:

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BATCH NO:

UN No.: **Not regulated**

WARNINGS

GHS HAZARD STATEMENTS

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Causes serious eye irritation.

PRECAUTIONS

GHS PRECAUTIONARY STATEMENTS

Prevention

Wear protective gloves, protective clothing, eye protection and face protection.

Wash hands and face thoroughly after handling.

Do not touch eyes.

Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical help.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists, get medical help.

Take off contaminated clothing and wash it before re-use.

RELEVANT SUBSTANCES:

Substance name (IUPAC)	Concentration % By weight	Classification
Saccharic Acid (SA)/Glucaric Acid	<10%	Flammable Solid (Category 1) H228. Serious Eye Damage/Irritation (Category 1) H318. Skin Corrosion/Irritation (Category 1) H314.
Boric Acid	1-3%	None as <5.5 % cut-off for Reproductive Toxicity (Category 1B) H360 FD.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **ZINCMAX** 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

- **ZINCMAX** is compatible with most commonly used foliar feeds, except foliar feeds with a high phosphorous content. However, it is recommended to do a compatibility test on a small area and observe the treated area for 3 days before doing commercial applications.
- Do not mix **ZINCMAX** with highly alkaline materials such as Lime sulphur or Bordeaux mixture.
- Where overhead systems are in use, avoid scheduling irrigation directly after application. In orchards equipped with micro irrigation systems, spray deposits should not be affected by irrigation.
- Use the lower concentration for maintenance, and the higher concentration for sufficient uptake.

APPLICATION TABLE:

CROP	APPLICATION RATE /ha OR AS INDICATED	APPLICATION METHOD
APPLES, PEARS	50 - 100 ml/100 ℓ water to a maximum of 3 ℓ/ha	Apply 3 - 4 applications, 7 days after green tip, 14 days after petal fall and 14 days later. Apply in a minimum of 1 000 - 3 000 ℓ water/ha.
APRICOTS, PEACHES, PLUMS, NECTARINES	75 - 150 ml/100 ℓ water to a maximum of 1,5 ℓ/ha	Apply 2 applications, one before blossom and repeat again after harvest. Apply in a minimum of 1 000 ℓ water/ha.
AVOCADOS, MACADAMIAS	75 - 150 ml/100 ℓ water to a maximum of 7,5 ℓ/ha	Apply 2-3 applications. The number of applications will be determined by the severity of deficiency. Apply as an early spring treatment to flowers. In acute cases, repeat on new growth during the summer months. Use 4 000 - 5000 ℓ spray volume per hectare.
CHERRIES	50 - 100 ml/100 ℓ water to a maximum of 1 ℓ/ha	Repeat twice at 2-3 week intervals. Apply as a full cover spray as soon as possible after bloom. Apply in a minimum of 1 000 ℓ water/ha.
CITRUS	50 - 150 ml/100 ℓ water to a maximum of 3 ℓ/ha	Spray the new flush of growth in the spring. Repeat when necessary but avoid spraying during and prior to harvest. Apply in a minimum of 2 000 ℓ water/ha.
COFFEE	50 – 150 ml/100 ℓ water to a maximum of 2 ℓ / ha	Apply 2-3 applications depending on the severity of deficiency. The first application during November on new spring growth, the second application in January/February, followed by a third application 21 days later, if necessary.

FIELD CROPS		
COTTON	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply 1-2 applications. Apply early in the season when there is sufficient foliage to absorb the spray and if possible apply before symptoms appear. Apply in a minimum of 500 ℓ water/ha.
CRUCIFERAE, LETTUCE, TOMATOES, PEPPERS, CUCURBITS. TOBACCO	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply 1-2 applications. Repeated applications may be necessary depending on the degree of zinc deficiency. Apply in a minimum of 500 ℓ water/ha.
GRAPEVINES	100 – 200 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply 2-3 times per season starting when shoots are 10 cm in length. A post-harvest application of 200 ml/100 ℓ water/ha can be applied if necessary.
MAIZE, BEANS, PEAS, SOYBEANS, GROUNDNUTS	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply 1-2 applications. For best results apply early in the growing season, as soon as the crop has sufficient leaves to absorb the spray. Apply in a minimum of 200 ℓ water/ha.
MANGOES	75 ml/100 ℓ water to a maximum of 3 ℓ/ha	Apply as a spring treatment to flowers. In acute cases repeat during the summer months. Use 2 000 – 4 000 ℓ spray volume per hectare.
OLIVES	100 ml/100 ℓ water to a maximum of 2 ℓ/ha	Spray in the spring when new growth is starting, and repeat 3-4 weeks later. Apply in a minimum of 1 000 - 2 000 ℓ water/ha.
ONIONS	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply from golf ball size bulbs, and repeat 14 days later. Apply in a minimum of 500 ℓ water/ha.
PECAN NUTS	50 - 75 ml/100 ℓ water to a maximum of 3 ℓ/ha	Apply as a spring treatment to young foliage (spring flush). In acute cases repeat during the summer months. Use 2 000 - 4 000 ℓ spray volume per hectare.
POTATOES	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply at first signs of deficiency are noticed and repeat 3-4 weeks later if necessary. Apply in a minimum of 500 ℓ water/ha.
SWEETCORN	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Apply during early growth stages on young leaves in 250 ℓ water per hectare. Under conditions favourable for zinc deficiencies, successive applications are advisable.
TEA	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	Spray in the spring when new growth is starting, and repeat 3-4 weeks later. Apply in a minimum of 1 000 - 2 000 ℓ water/ha.
WHEAT, BARLEY, OATS	50 - 150 ml/100 ℓ water to a maximum of 2 ℓ/ha	For best results apply early in the growing season, as soon as the crop has sufficient leaves to absorb the spray. Repeat 3-4 weeks later if necessary. Apply in a minimum of 200 ℓ water/ha.

NOTE: SPRAY VOLUMES AND DOSAGE APPLIED WILL BE DETERMINED BY THE ACTUAL TREE OR PLANT SIZE. THE DOSAGE IS DEPENDENT ON THE MAGNITUDE OF THE DEFICIENCY.

IMPORTANT: BEFORE APPLYING ZINC MAX CONSULT YOUR AECI PLANT HEALTH CROP ADVISER ON THE NECESSITY OF USING IT.