

# X-Treem<sup>®</sup> Zn

**MBFi**   
Leaders in Science. Partners in Growth.


  
**LABORATORIES**  
ADVANCEMENT & QUALITY ASSURANCE

Reg. No. B 4740 Act No. 36 of 1947 / Reg. Nr. B 4740 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 AMINO ACID CHELATED ZINC FERTILIZER FOR FOLIAR APPLICATION TO CROPS AS LISTED.**

|   |               |  |
|---|---------------|--|
|  | <b>Danger</b> | <b>Hazard Statements:</b> <ul style="list-style-type: none"><li>• Causes severe skin burns and eye damage.</li></ul>   |
|   |               | <b>Precautionary Statements:</b> <ul style="list-style-type: none"><li>• Do not breathe the mist/spray.</li><li>• Wash hands thoroughly after handling.</li><li>• Wear protective gloves, protective clothing, eye protection and face protection.</li></ul> |

|                     |           |          |
|---------------------|-----------|----------|
| <b>Composition:</b> |           |          |
| Zinc* (Zn)          | 72.7 g/kg | 84.4 g/L |

\*Amino Acid Chelated  
S.G (20°C): 1.16


**Registration Holder / Registrasiehouer:** N Laboratories (PTY) LTD • Reg No.: 2015/165672/07  
No. 144, 2nd Avenue, Modder East Orchards, Delmas, 2210 • Tel: +27 (0) 82 738 0080 • Fax: +27 (0) 86 547 6711  
**Marketed and Distributed by / Bemark en Versprei deur:** MBFi (PTY) LTD • Reg No.: 2013/211882/07  
P.O. Box 1137, Delmas, Mpumalanga, 2210 • Email: [orders@mbfi.co.za](mailto:orders@mbfi.co.za) • Web: [www.mbfi.co.za](http://www.mbfi.co.za)

X-Treem® is a registered trademark of N Laboratories (PTY) LTD / X-Treem® is 'n gerigisteerde handelsmerk van N Laboratories (EDMS) BPK.

Net Volume:  
**20 L**

**ZAR 002**

**WARNINGS:**• **GHS Hazard Statement:**

| Pictogram and Signal word   | Hazard Statement |  |
|---|------------------|--|
| Danger<br> | H314             | Causes severe skin burns and eye damage. |

• **Relevant Substance:**

| Name               | CAS No.  | Weight (%) |
|--------------------|----------|------------|
| Mono Ethanol Amine | 141-43-5 | 17.6       |

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, 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/spray.  |
| P264                 | Wash hands thoroughly after handling.   |
| P280                 | Wear protective gloves, protective clothing, eye protection and face protection.  |
| P301<br>P330<br>P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  |
| P303<br>P361<br>P353 | IF ON SKIN (or hair): Take off all contaminated clothing immediately. Rinse skin with water [or shower].                        |
| P304<br>P341         | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.     |
| P305<br>P351<br>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 the 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.

| <b>Row Crops:</b>            |   |
|------------------------------|---|
| 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:           | 3-10 L/ha application.  |
| Infurrow Applications:       | 1-3 L/ha application.   |
| <b>Tree Crops and Vines:</b> |   |
| Foliar Applications:         | Dilute 0.5 L:100 L water and apply as a full cover application (Max concentration of 2% or 2 L/100 L of water). |
| Soil Applications:           | 5-10 L/ha per application, dilute 1:1000 and apply 3-6 times through the growth periods.                        |

**Mixing:** X-Treem® Zn 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:** X-Treem® Zn 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>Crop</b>          | <b>Rate/100 L Water</b> | <b>Max Rate/ha</b> | <b>Remarks</b>  |
|----------------------|-------------------------|--------------------|---|
| Avocado              | 100-350 ml              | 3-4 L              | Start first application on flowers and on all new growth in the summer, 2-3 applications at 14 day intervals are recommended. |
| Bean:<br>Green & Dry | 150-500 ml              | 2 L                | Start applying after active growth begins and repeat at 10-12 day intervals throughout the vegetative growth period.          |
| Berry                | 500 ml                  | 2 L                | Start applying after active growth begins and repeat at 10-12 day intervals throughout the vegetative growth period.          |
| Citrus               | 50-150 ml               | 3 L                | Apply 3 times in spring to the new growth.  |
| Commercial Flower    | 750 ml                  | 2.5 L              | Apply 2-3 times at 10-14 day intervals throughout the vegetative growth period.   |

| Crop                                   | Rate/100 L Water | Max Rate/ha | Remarks  |
|--|------------------|-------------|--|
| Cotton                                 | 100-400 ml       | 2 L         | Apply early in the season to the new growth and repeat the application if required.  |
| Cruciferae                             | 100-400 ml       | 2 L         | Apply at the first sign of deficiency and repeat 3-4 weeks later.  |
| Cucurbit                               | 100-400 ml       | 2 L         | Apply at the first sign of deficiency and repeat 3-4 weeks later.  |
| Grape                                  | 500 ml           | 2 L         | Start applying after active growth begins and repeat at 10-12 day intervals throughout the vegetative growth period.   |
| Lettuce                                | 100-400 ml       | 2 L         | Apply twice at 21-28 day intervals early in the growing season.  |
| Maize                                  | 150-500 ml       | 2 L         | Apply early in the growing season at the first signs of deficiency and repeat the application if required.   |
| Non-bearing fruit tree                 | 250-500 ml       | 1.5 L       | Start applying at the commencement of rapid growth and repeat at 14-28 day intervals throughout the vegetative growth period.  |
| Nurseries                              | 500 ml           | 750 ml      | Apply 2-3 times at 10-14 day intervals throughout the vegetative growth period.  |
| Nuts:<br>Macadamia, Pecan              | 50-150 ml        | 6 L         | Start first application on flowers and on all new growth in the summer, 2-3 applications at 14 day intervals are recommended.  |
| Olive                                  | 100-200 ml       | 2-3 L       | Apply twice starting early in the growing season and repeated 21-28 days later on the new growth.  |
| Onion                                  | 250-500 ml       | 1-3 L       | Apply twice starting at golf ball size and repeat the application 10-14 days later.  |
| Pea                                    | 150-500 ml       | 2 L         | Apply early in the growing season at the first signs of a deficiency and repeat the application if required.   |
| Peanut                                 | 150-500 ml       | 2 L         | Apply early in the growing season at the first signs of a deficiency and repeat the application if required.   |
| Pepper                                 | 250 ml           | 3 L         | Apply at the first sign of a deficiency and repeat 3-4 weeks later.  |
| Pome Fruit:<br>Apple, Pear             | 100 ml           | 2-3 L       | Apply 3-4 times starting with the first application 7 days after the first flush, 14 days after petal fall and again 14 days later. The last application should be post-harvest in 500 L/ha. |
| Potato                                 | 100-400 ml       | 4 L         | Apply at the first sign of a deficiency and repeat 3-4 weeks later.  |
| Soybean                                | 150-500 ml       | 3 L         | Apply early in the growing season at the first signs of a deficiency and repeat the application if required.   |
| Stone Fruit:<br>Nectarine, Peach, Plum | 100-200 ml       | 3 L         | Apply twice starting early in the growing season and again post-harvest.   |
| Tomato                                 | 250 ml           | 3 L         | Apply at the first sign of a deficiency and repeat 3-4 weeks later.  |
| Wheat                                  | 150-500 ml       | 2 L         | Apply at the first sign of a deficiency and repeat 3-4 weeks later if necessary.   |