

X-Treem[®] B Liquid



Reg. No. B 4739 Act No. 36 of 1947 / Reg. Nr. B 4739 Wet Nr. 36 van 1947

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

Group/Groep	2	Fertilizer/Kunsmis
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A 13% LIQUID BORON SOLUTION FOR FOLIAR AND SOIL APPLICATION.

Danger 	Hazard Statements: • Harmful if swallowed. • Causes severe skin burns and eye damage. • May damage fertility or the unborn child.
	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:		
Boron (B)	100 g/kg	130 g/L

S.G (at 20°C): 1.3

Registered, Marketed and Distributed by / Geregistreer, Bemark en Versprei deur:

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X-Treem[®] is a registered trademark of MBFI (PTY) LTD / X-Treem[®] is 'n geregistreerde handelsmerk van MBFI (EDMS) BPK.

Net Volume:
20 L

ZAR 003

WARNINGS:**• GHS Hazard Statements:**

Pictograms and Signal word	Hazard Statements	
Danger   	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage.
	H360	May damage fertility or the unborn child.

• Relevant Substance:

Name	CAS No.	Weight (%)
Ammonium pentaborate	12046-04-7	57.66
Mono ethanol amine	141-43-5	5.78

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). 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.

X-Treem® B Liquid is a solution containing boron for use either as a foliar spray or as a soil conditioner to prevent or correct boron deficiencies that may limit crop growth and yields. It is water soluble and non-toxic to plants when applied as directed. For best results apply X-Treem® B Liquid according to recommendations based on plant and/or soil analysis.

DIRECTIONS FOR USE:

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

Avoid scheduling irrigation directly after application. In orchards equipped with micro irrigation systems, spray deposits should not be affected by irrigation. Use a lower concentration for maintenance and a higher concentration for sufficient uptake.

The availability of boron in the soil for uptake by plants could be influenced by several factors such as pH, calcium in the soil and the application of lime.

Apply by a spray method and in an adequate amount of water that will provide complete coverage of the plants. The use of Twister as a wetting agent may improve spray coverage. Do not apply X-Treem® B Liquid undiluted.

The rate of application will depend on the crop, stage of growth and severity of deficiency. The maximum recommended rates are for mature, full sized plants.

Reduce the rates proportionally when spraying smaller plants or trees. X-Treem® B Liquid may be used on brassicas, cucurbits, deciduous and subtropical fruit, all grains, table and wine grapes, herbaceous and woody ornamentals, leafy vegetables, legumes, potatoes and many other crops.

Mixing: Avoid mixing X-Treem® B Liquid with highly alkaline materials such as Bordeaux mixture and lime sulfur as well as zinc sulphate, manganese sulphate and miscible oils. Follow the standard tank mixing procedures.

Application Details:

- **Foliar Application:** Apply in adequate amounts of water to ensure complete coverage of the crop. Make sure not to exceed a solution concentration of 1% in field crops and 0.3% in flowers. For Gladioli, a solution concentrate of 0.15% should not be exceeded.
- **Soil Conditioner:** Apply in adequate amounts of water to ensure even coverage, followed by irrigation and/or incorporation to get the boron to the root zone.
- Avoid direct contact of X-Treem® B Liquid with the seed.
- Do not apply as a concentrate. Apply X-Treem® B Liquid preferably in the early morning or late afternoon. Also, consult with your agronomist should crop specific programs or any other information be required about the use of X-Treem® B Liquid such as recommendations based on plant and/or soil analysis.

Storage Details: Keep from freezing and store in a cool dry place.

Crops	Maintenance Dose	Corrective/ Maximum Dosage	Remarks
Brassica: Broccoli, Cauliflower	750 ml/100 L water	1-2 L/ha	Start at 4-6 leaf stage and apply 3-4 times at 14-21 day intervals.
Citrus	200 ml/100 L water	50 ml per tree if applied in the tree's drip zone	Apply at bud swell, 5-7 days after petal fall in 1000-2000 L water. Do not apply to young citrus trees. See leaf analysis first apply as required per season.
Cotton	500 ml/ha	1-2 L/ha	Apply 1-2 applications during blooming.
Cucurbit	500 ml/ha	1-3 L/ha	Start at 4-6 leaf stage and apply 3-4 times at 14-21 day intervals.
Flowering Plants	50 ml/100 L water	150 ml/100 L water	Start application when plants are established and repeat every 30 days.
Grape	100 ml/100 L water		Apply prior to flowering.
	200 ml/100 L water		Apply pre-harvest and post-harvest.
Leaf Vegetables	750 ml-1.5 L/ha	1-2 L/ha	Start at 4-6 leaf stage and apply 3-4 times at 14-21 day intervals.

Crops	Maintenance Dose	Corrective/ Maximum Dosage	Remarks
Lucerne	500 ml/100 L water	1-2 L/ha	Apply with max of 200 L of water/ha as foliar application after each cutting.
Lucerne Pre-Plant Application			
Lucerne	0-15% clay	2 L/ha	Apply 10 days after every 2 nd cut, no more than 3 times per year.
	16-30% clay	4 L/ha	
	31+% clay	6 L/ha	
Maize	750 ml-2.0 L/ha		Apply 2 applications, first at V4 growth stage and second at 15 days pre-tassel.
Maize Pre-Plant Application			
Maize	0-15% clay	5 L/ha	Apply evenly taking soil analysis data into consideration.
	16-30% clay	10 L/ha	
	31+% clay	15 L/ha	
Nuts: Almond, Macadamia, Pecan	50 ml/100 L water	200 ml/100 L water	Ensure adequate coverage. Apply 2-4 application starting prior to flowering and again in fruit development and post-harvest.
Onion	750 ml-2 L/ha		Apply twice, starting at 21 days after crop is established and repeat 21 days later if required.
Ornamental Crops	50 ml/100 L water	150 ml/100 L water	Start application when plants are established and repeat every 30 days.
Peanut	500 ml-2 L/ha		Start application at first flowering; repeat 2-4 times at 21 day intervals.
Pome Fruit: Apple, Pear	50-200 ml/100 L water		Apply 4 weeks post-harvest, 30% flowering, week 43, 45, 47, 49, 50, 51. See leaf analysis.
Potato	300-500 ml/100 L water		Apply 3-4 applications from 90% emergence.
Soybean	1-2 L/ha		Apply 2 applications first at R1 and second at R5.1.
Stone Fruit: Peach, Plum	50-150 ml/100 L water		Apply at 30% flowering, post-harvest.
Sunflower	750 ml-2 L/ha		Apply at knee height and repeat at flowering.

Crops	Maintenance Dose	Corrective/ Maximum Dosage	Remarks
Sunflower Pre-Plant Application			
Sunflower	0-15% clay	5 L/ha	Apply evenly taking soil analysis data into consideration.
	16-30% clay	10 L/ha	
	31+% clay	15 L/ha	
Tobacco	350 ml/ha	750 ml/ha	Apply 4 times at 21 day intervals.
Tomato	750 ml-1.5 L/ha		Apply 3-4 times at 21 day intervals.
Wheat	500 ml/100 L water	1-3 L/ha	Apply at tillering stage and again 7-10 days prior to flag leaf stage.

Twister (Reg No. L9666), Act No. 36 of 1947 is a registered trademark of MBFI (PTY) LTD.