

Zonnebor



Reg. No. B5490 Act No. 36 of 1947

FERTILIZER GROUP 2

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

ZONNEBOR is a water soluble crystalline fertilizer used to maintain or increase boron and molybdenum levels in plants.



DANGER

HAZARD STATEMENTS:

Harmful if inhaled.
May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS:

Read carefully and follow all instructions.
If exposed or concerned, get medical advice.

Boron	(B)	155 g/kg
Molybdenum	(Mo)	36 g/kg

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Gauteng, RSA. • Tel: (012) 803-0145

Emergency contact details
Office Hour Poisoning Helpline
Rolfes Agri (Pty) Ltd.
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Rolfes
Agri

Spill Response and Transport incidents

Spill Tech, Oil and chemical pollution control
Tel: +27 (86) 100 0366 / +27 (83) 253 6618
www.spilltech.co.za

Shake well before use • Store at room temperature
Keep out of direct sunlight • Keep container closed when not in use



LIFT HERE

PRECAUTIONS:

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read carefully and follow all instructions.
- Obtain, read and follow all safety instructions before use.
- Avoid breathing dust/fumes/gas/mist/vapours/spray.
- Use only outdoors or in a well ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Get medical help.
- If exposed or concerned, get medical advice.
- Store locked up.
- Empty all contents from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds. Puncture the rinsed container to render it useless and send to a recycler.

RELEVANT HAZARDOUS SUBSTANCES:

Boric Acid (Ultra Bor) >90%.

FIRST AID TREATMENT:

- **General Advice:** The symptoms resulting from direct exposure to the product could appear a while after exposure. If there is persistent discomfort, seek medical attention.
- **Eye contact:** Flush eyes with large amounts of flowing cold water for several minutes, until no evidence of chemical remains. If irritation persists, get medical help.
- **Skin contact:** Remove all contaminated clothing and shoes. Gently wipe off residual chemical and wash skin thoroughly with non-abrasive soap. If irritation persists, get medical help.
- **Inhalation:** Remove the affected victim from exposure to an area with fresh air. If breathing has stopped, administer artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If irritation persists, get medical help.
- **Ingestion:** If exposed or concerned, rinse mouth thoroughly with large amounts of water and get medical advice.

- **ZONNEBOR** is effective for the correction of boron and molybdenum deficiencies, the prevention of occurrence of deficiencies under adverse climatic conditions and for the maintenance of adequate levels of boron and molybdenum in the plant, especially during peak growth periods.
- **ZONNEBOR** is readily soluble in water and may be applied as a foliar feed, fertigation or directly onto the soil.
- **ZONNEBOR** may be compatible with many agricultural chemicals. It is advisable to do a miscibility test prior to mixing with other chemicals.
- **ZONNEBOR** 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.**
- Consult with your chemical distributor, consultant or the registration holder should crop specific programs or any other information be required.
- Consult with a qualified agronomist or agricultural advisor on the necessity of using this product before application.
- Store in a well sealed container away from sunlight. Keep away from children, uninformed people, animals and foodstuffs. Wash hands after use.
- Destroy empty container after use. Do **NOT** re-use for any other purpose.
- It is recommended that the spray water be buffered using a suitable buffer.

DIRECTION FOR USE: USE ONLY AS DIRECTED.

FERTIGATION:

ZONNEBOR can be mixed into solution and injected directly into the irrigation system and then leached into the root zone. Consult with a qualified agronomist or agricultural advisor for specific fertigation application rates.

FOLIAR FEED:

Use enough water to achieve a full cover spray. Do **NOT** exceed a concentration of 0,75 % (750 grams / 100 ℓ). For sensitive crops, do **NOT** exceed a working concentration of 0,15 % (150 grams / 100 ℓ).

SOIL APPLICATION:

Apply as a uniform spray to the soil surface. If practical, leach product into the root zone.

CROP	DOSAGE RATE	APPLICATION
DECIDUOUS FRUIT Apples, Pears, Apricots, Peaches, Cherries	2 – 3 kg / ha	Apply at 30 % blossoming and again after harvest in the autumn. Do NOT exceed a 0,1 % application rate (100 grams / 100 ℓ water).
Olives	1 – 2 kg / ha	Apply as full cover spray before and after flowering as well as after harvesting.
Grapes Wine and Table Grapes	1 – 2 kg / ha	Apply just before flowering and then again directly after harvest. Do NOT exceed a 0,1 % application rate (100 grams / 100 ℓ water).
NUTS Macadamias	2 – 3 kg / ha	Apply just before flowering at 2 kg / ha in 2000 ℓ water per hectare. Repeat during full bloom at 0,5 kg per hectare. Use in combination with GLUCO-CALMAG + B* .
Pecan Nuts	2 – 5 kg / ha	Apply as a full cover spray, after flower-bud stage and repeat 3 times with 4 week intervals.
Pomegranates	1 kg / ha	Apply as full cover spray before and after flowering as well as after harvesting.
ROW CROPS Cotton	1 – 2 kg / ha	Apply at first square, with first flowers and when bolls are forming.
Maize	5 – 15 kg / ha 1 – 3 kg / ha	Apply evenly over soil surface before planting. Apply as a full cover spray and repeat as required.
Sunflowers	5 – 15 kg / ha 1 – 3 kg / ha	Apply evenly over soil surface before planting. Apply as a full cover spray and repeat as required.
Soybeans	1 – 2 kg / ha	Apply as a full cover spray at seedling stage and repeat during the season as required.

CROP	DOSAGE RATE	APPLICATION
Lucerne	1 – 2 kg / ha	Apply as a full cover spray 10 days after each cutting.
Flowers and Ornamentals	1 – 2 kg / ha	Apply at 4 week intervals as required.
Figs	1 kg / ha	Apply as a full cover spray after budbreak, but before set of the breba crop. Repeat application after harvesting the main crop.
Strawberries	1 – 3 kg / ha	Apply once before flowering.
SUBTROPICAL FRUIT		
Avocados	50 – 100 g / 100 ℓ water (Do NOT exceed 3 kg / ha)	Apply at cauliflower stage of inflorescence and repeat at full bloom at 50 g / 100 ℓ water. Do NOT exceed maximum dosage.
Citrus	25 – 50 g / tree	Apply evenly to the drip zone of each tree. Do NOT exceed the maximum rate. Do NOT apply to young trees.
	2 – 4 kg / ha	Apply in a minimum of 3000 ℓ water / ha as a full cover spray. Apply at a maximum rate of 4 kg / ha. Do NOT apply more than once per year.
Sugar Beet	2 – 3 kg / ha	Apply at 8 – 10 leaf stage and repeat as required.
Sugarcane	1 – 2 kg / ha	Start application in early spring. Apply 2 sprays at 10 day intervals. Apply in 500 – 1500 ℓ water per hectare.
VEGETABLES		
Cruciferae (Lettuce, Beetroot, Celery)	1 – 2 kg / ha	Apply as a full cover spray and repeat every 3 weeks as required.
Onions	1 – 2 kg / ha	Apply at pencil stage, bulb stage and 14 days after bulbing.
Potatoes	1 – 3 kg / ha	Apply as a full cover spray and repeat at 3 – 4 week intervals as required.
Tomatoes	1 – 2 kg / ha	Apply as a full cover spray and repeat as required.

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 should be used to correct nutritional deficiencies.

*GLUCO-CALMAG + B Reg No. B5177 Act No. 36 of 1947