

Boskat 500 WG

Reg. No.: L11650 Act /Wet No. 36 of/van 1947



A water dispersible granular, systemic fungicide, for the control of various diseases on crops as listed:

- Control of Botrytis and Powdery mildew on Table and Wine Grapes.
- Control of Rust and Alternaria leaf spot on Sunflowers.

ACTIVE INGREDIENT

FRAC FUNGICIDE GROUP CODE:

7

Boscalid (pyridine-carboxamide) 500 g/kg



WARNING

HAZARD STATEMENTS:

- Causes mild skin irritation
- Causes serious eye irritation
- Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.

Registration holder: Green Island Investments (Pty) Ltd.

Co. Reg. No.: 2013/043963/07

P.O. Box 1822, Heidelberg 1438, South Africa

Tel: 078 737 9236

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre: +27 82 446 8946

24 Hr Transport / Spill emergency no:

(Hazcall24) +27 86 044 4411 (Typhoon Plant Protection)

Distributed by: Typhoon Plant Protection (Pty) Ltd.

Co. Reg. No.: 1998/006156/07, C/O Farm Vlakfontein

Corner of the R23 Benoni Road & R550 Nigel Road

Brakpan District, Heidelberg 1438, Gauteng, South Africa

Tel: 078 737 9236

Net Mass/Volume:

kg

 **Typhoon**
PLANT PROTECTION

Expiry Date:

Batch No:

Date of Manufacture:

U.N. No. 3077

READ LABEL IN DETAIL BEFORE OPENING THE CONTAINER. FOR FULL PARTICULARS, SEE ENCLOSED LEAFLET.
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



WITHHOLDING PERIODS:

(Minimum number of days between last application and harvest):	
SUNFLOWERS	28 days
TABLE AND WINE GRAPES	28 days

Compliance with these withholding periods and application methods will ensure that residues **do not** exceed local maximum residue limits (MRL) but may not meet the import requirements of other countries. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL and recommended waiting periods. Although **BOSKAT 500 WG** is regarded as crop-safe on most of the important cultivars, this does not mean that a more sensitive cultivar might be available in future.

BOSKAT 500 WG must be tested on new cultivars prior to usage over big areas.

RE-ENTRY INTERVAL: **Do not** enter treated area for one day after application, unless wearing protective clothing. Wash protective clothing after use.

WARNINGS:

HAZARD STATEMENTS:

- Causes mild skin irritation.
 - Causes serious eye irritation.
 - Toxic to aquatic life with long lasting effects.
- Keep out of reach of children, uninformed persons and animals.

Although this remedy 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 may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label and the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy 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 or registration holder in the event of any uncertainty.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Obtain special instructions before use.
 - **Do not** handle until all safety precautions have been read and understood.
 - Wash hands thoroughly after handling.
 - **Do not** eat, drink or smoke when using this product.
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- Use only in area provided with appropriate exhaust ventilation.
 - Avoid contact with skin, eyes and clothing.
 - Wash hands and entire body with soap and water after use.
 - Wash contaminated clothing after use.
 - **Do not** eat, drink or smoke while mixing or applying the product and wash hands and face before doing so.
 - Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
 - Prevent contamination of food, feed, drinking water and eating utensils.
 - Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.
 - Store in a cool place away from food, drinks and animal feedstuffs.
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- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Containers must be completely emptied before being disposed of. Invert and shake thoroughly into the applicator to ensure the container is empty. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Offer container for recycling or puncture and dispose of at authorised landfill (www.croplife.co.za). **Do not** use container for any other purpose.

RELATED INGREDIENTS:

Substance/Mixture: Mixture Ingredients:

Substance name (IUPAC)	CAS – No.	Concentration % By weight
Boscalid	188425-85-6	50%
2-Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	36290-04-7	6%
Lignosulfonic acid, sodium salt	8061-51-6	3%

SYMPTOMS OF HUMAN POISONING:

No symptoms known or expected.

FIRST AID TREATMENT:

Remove from source of exposure. Wash affected area.

Eye and skin contact: Flush eyes with water for 15 minutes after eye contact.

Wash with soap and water after skin contact.

Should irritation of skin or eyes persist, consult a physician.

Inhalation: Remove to fresh air. Assist breathing if necessary. Get medical attention.

Ingestion: Wash out mouth. Give a spoon of activated charcoal in a glass of water. Get medical attention.

Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN:

Treat symptomatically. Gastric lavage is not normally required.

However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

RESISTANCE WARNING:

For resistance management, **BOSKAT 500 WG** is a **group code 7 fungicide**. Any fungus population may contain individuals naturally resistant to **BOSKAT 500 WG** and other **group code 7 fungicide**. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **BOSKAT 500 WG** or any other **group code 7 fungicide**.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicide from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes,
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

For specific information on resistance management contact the registration holder of this product.

BOSKAT 500 WG should always be applied as a preventative spray. Alternate applications of **BOSKAT 500 WG** with other registered fungicides from a different chemical class in the same programme with **BOSKAT 500 WG**.

MODE OF ACTION:

Boscalid is a pyridine carboxamide (FRAC group 7) broad-spectrum fungicide inhibiting the succinate-ubiquinone oxidoreductase system in Complex II of the mitochondrial electron transfer chain (ATP Production). This inhibits spore germination, germ tube elongation, appressoria formation and mycelial growth.

USE RESTRICTIONS:

BOSKAT 500 WG should always be applied as a preventative spray.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

COMPATIBILITY:

Although **BOSKAT 500 WG** is compatible with most agrochemicals, a physical compatibility test is always recommended prior to application.

MIXING INSTRUCTIONS:

- Half fill the mixing tank with clean water.
- Pre-mix the required volume of **BOSKAT 500 WG** in at least 10 liter water.
- Pre-mix any other product(s) to be tank mixed in the same way separately.
- While agitating the spray tank water, add the pre-mixed product(s) in the following sequence: wettable powders, water dispersible granules, suspension concentrates, emulsifying concentrates and soluble concentrates last.
- Top up the mixing tank with the required quantity clean water whilst agitating.
- Agitate constantly before and during application.
- **DO NOT** allow tank mixture to settle and **do not** leave the prepared spray mixture in the spray tank for any length of time, e.g., overnight.
- Clean all equipment thoroughly after use and dispose of wastewater without polluting the environment.

APPLICATION TABLE:

CROP/PEST/ DISEASE	DOSAGE per 100 ℓ water (or as indicated)	REMARKS
SUNFLOWERS Rust (<i>Puccinia helianthi</i>) Alternaria leaf spot (<i>Alternaria alternata</i>)	300 g BOSKAT 500 WG per ha Plus 400 ml STER 250 SC Plus A surfactant: A non-ionic adjuvant with spreading and penetrating properties 50 ml per 100 ℓ water	• Apply a preventative application before flowering when climatic conditions favour diseases development. Climatic conditions favourable for diseases: • Temperatures of 25 to 27 °C with continuous high humidity lasting for 3 – 4 days. • Apply in 300 ℓ water per hectare. • Ensure even coverage of the entire plant.
TABLE and WINE GRAPES Botrytis (<i>Botrytis cinerea</i>) Powdery mildew (<i>Uncinula necator</i> <i>anamorph Oidium tuckeri</i>)	80 g BOSKAT 500 WG Proposed Spray Volumes for Grapes Blossom to Pea-Berry Stage: Wine grapes: 750 – 1000 ℓ spray mixture per ha Table grapes: 1000 – 1500 ℓ spray mixture per ha	• Apply as a high volume, full cover spray, ensure thorough wetting of bunches. • Apply only one preventative application of BOSKAT 500 WG in powdery mildew and Botrytis control spray programmes. • Apply between full flowering (when 50 % of flowerhoods have fallen) up to pea berry stage, before bunch closure. • BOSKAT 500 WG will control BOTH powdery mildew and Botrytis. • Apply only one BOSKAT 500 WG application per season. • For resistance management use fungicides from other FRAC groups for the rest of the Botrytis and powdery mildew spray programmes.

*Only use registered products as registered in spray programmes.