

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. SHAKE THE BOTTLE WELL BEFORE USE

Fungicide



FLUABLOT 500 SC

Reg. No. L 10850 Act No. 36 of 1947

2: 19/01/2023 – June 2023

A suspension concentrate contact fungicide for the preventative control of diseases in crops as indicated.

GROUP

29

FUNGICIDE

ACTIVE INGREDIENT

fluazinam (2,6-dinitro-analine)

500 g/l



DANGER

Hazard Statements:

May be harmful if swallowed or in contact with skin.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Toxic if inhaled.
Suspected of causing cancer.
Suspected of damaging the unborn child.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.



villa



UN Number: 2902

Registration holder: VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07

PO Box 10413, Aston Manor, 1630

Tel. (011) 396 2233

Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946

24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

FLUABLOT 500 SC

Reg. No. L 10850 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 29

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fluazinam (2,6-dinitro-analine) 500 g/l

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WARNINGS**Withholding periods:**

Minimum time between the last application and harvest or feeding:	
Potatoes	7 days

NOTE

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.

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- Do not handle until all safety precautions have been read and understood.
- Handle with care.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 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 and the occurrence of resistance of the disease 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 in the event of any uncertainty.

PRECAUTIONS

Precautionary statements:

Obtain, read and follow all safety instructions before use.
Wash hands thoroughly after handling. Do not touch eyes.
Avoid breathing fumes, mists, vapours or spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Get medical help.
IF ON SKIN: Wash with plenty of water and non-abrasive soap. Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
IF exposed or concerned, get medical advice.
If skin irritation or rash occurs: Get medical help.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content/container in accordance with local regulations.

- Avoid contact of product with skin and eyes.
- Wash contaminated clothes daily after use.
- Do not eat, drink or smoke while applying, mixing or before washing hands and face or change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** 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 (3) 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.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Fluazinam	50 g/l
Polyoxyethylene lauryl ether	<60 g/l
Sodium dodecyl benzene sulfonate	<50 g/l
Tributyl phosphate	<10 g/l
Acetic acid	<5 g/l

FIRST AID MEASURES

- **General advice:** Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. If exposed or concerned, get medical advice.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Get emergency medical help immediately.**
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation or rash occurs.**
- **Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention.**

- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.
- **Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

RESISTANCE WARNING

FLUABLOT 500 SC is a group code 29 fungicide. Any fungus population may contain individuals naturally resistant to **FLUABLOT 500 SC** and other group code 29 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **FLUABLOT 500 SC** or any other group code 29 fungicide.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides 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.

MODE OF ACTION:

Fluazinam is a contact fungicide with protective but not curative activity. It inhibits spore germination, hyphal penetration, growth and sporulation. Uncouples oxidative phosphorylation in the mitochondria resulting in disruption of ATP production.

USE RESTRICTIONS

- Fungicides may not always render complete protection against late blight in potatoes, especially under high to severe risk conditions. A well-timed spray programme can delay disease development significantly.

DIRECTIONS FOR USE: Only use as directed.

Compatibility:

- **FLUABLOT 500 SC** is compatible with **Mycoblock 250 SC**.
- The compatibility of **FLUABLOT 500 SC** in tank mixtures with other products has not been confirmed and can be influenced by the formulations involved, as well as the water quality.
- A physical compatibility test of all products involved is recommended, before mixing, as formulations can be altered, and water quality can vary from area to area.
- Always consult the labels of products to be tank mixed with **FLUABLOT 500 SC**.

Mixing instructions:

Shake the container well before use. Replace cap directly after use.

- Half fill the spray tank with clean water.
- Add the required quantity of **FLUABLOT 500 SC** to the mixing tank. Ensure continuous agitation.
- If other products will be tank mixed with **FLUABLOT 500 SC**, the following mixing sequence, as applicable, must be used: buffer/acidifier; wettable powder or granules; suspension concentrate; emulsifiable concentrate; wetter. Thereafter fill the tank to the required volume with clean water while maintaining agitation, to ensure thorough mixing of the spray mixture, before application commences.
- Ensure continuous agitation during mixing and application.
- The spray mixture must be sprayed immediately after mixing. Prepared spray mixture must not be left in the spray tank for any length of time e.g. overnight.

General:

- **FLUABLOT 500 SC** must be applied as a full cover preventative treatment against diseases as indicated.
- Thorough coverage of both leaf surfaces is very important.

General crop recommendation on potatoes:

- Use **FLUABLOT 500 SC** in a preventive spray programme alternating with registered fungicides from unrelated mode of action groups (thus not Groups 29).
- Commence with the first treatment of the spray program before the disease is observed. On potatoes, it is advisable to commence with the spray program not later than 1 to 2 weeks after the potato plants have emerged.
- **FLUABLOT 500 SC** must not exceed 50 % of the total amount of sprays per cropping season or a total of six (6) applications if more than twelve (12) applications are made per cropping season.
- **FLUABLOT 500 SC** must be applied as a full cover preventative treatment against diseases as indicated. Thorough coverage of both leaf surfaces is very important.

APPLICATION RATES

Crop / Disease	Dosage rate per hectare	Remarks
Potatoes Late blight (<i>Phytophthora infestans</i>)	400 ml (8 ml / 10 l water)	<p>Refer to “Resistance Management, Directions for use and Crop recommendations” above.</p> <p>Apply preventively as part of a weekly spray program.</p> <p>Start with a weekly program application 1 to 2 weeks after the potatoes have emerged. Use alternative effective fungicides as registered on potatoes up to week 5 with 7-day spray intervals. Apply FLUABLOT 500 SC at 14-day intervals during week 6, 8 and 10, alternated with either Mancozeb containing fungicides or Mission 720 SC during week 7, 9 and 11. Revert back to alternative effective fungicides or FLUABLOT 500 SC in a 7-day spray program until such time when disease control is not required anymore.</p> <p>FLUABLOT 500 SC must not exceed 50 % of the total amount of sprays per cropping season or a total of six (6) applications if more than 12 applications are made per cropping season.</p> <p>Apply as a full cover spray. Thorough coverage of both leaf surfaces is very important.</p> <p><u>Ground application:</u> At least 500 litres water per hectare.</p>

Crop / Disease	Dosage rate per hectare	Remarks
Potatoes (Continued) Late blight <i>(Phytophthora infestans)</i> Early blight <i>(Alternaria solani)</i>	400 ml (8 ml / 10 l water) PLUS 300 ml Mycoblock 250 SC (6 ml / 10 l water)	<p>Apply preventively as part of a weekly spray program.</p> <p>Start with a weekly program application one to two weeks after the potatoes have emerged. Use alternative effective fungicides as registered on potatoes up to week 5 with 7-day spray intervals. Apply FLUABLOT 500 SC tank mixed with Mycoblock 250 SC at 14-day intervals during week 6, 8 and 10 alternated with either Mancozeb containing fungicides or Mission 720 SC during week 7, 9 and 11.</p> <p>Revert back to alternative effective fungicides in a 7-day spray program until such time when disease control is not required anymore.</p> <p>Do not apply more than three (3) applications of FLUABLOT 500 SC tank mixed with Mycoblock 250 SC per cropping season</p> <p>Apply as a full cover spray. Thorough coverage of both leaf surfaces is very important.</p> <p><u>Ground application:</u> At least 500 litres water per hectare.</p>

The following products mentioned in this label can be replaced with the following equivalent products:

- **VILLA UNIZEB 750 WDG** (L 8812) = **NEWZEB 750 WDG** (L 8811) = **COZEB 750 WDG** (L 8964) (**Mancozeb**),
- **MULTIZEB 455 SC** (L 9174) = **NEWZEB 455 SC** (L 9175) (**Mancozeb**),
- **UNIZEB 480 SC** (L 9179) = **NEWZEB 480 SC** (L 9178) (**Mancozeb**).
- **VILLA UNIZEB 800 WP** (L 8056 / N-AR 1091) = **COZEB 800 WP** (L 7098) = **NEWZEB 800 WP** (L 8167) (**Mancozeb**),
- **MISSION 720 SC** (L 8432 / N-AR 1298 / W1301395) = **ORONIL 720 SC** (L 8431) (**Chlorothalonil**) and
- **MYCOBLOCK 250 SC** (L 8591) = **FUNGAWAY 250 SC** (L 8590 / N-AR 1225 / W1301393) = **STROBIN 250 SC** (L 8625) (**Azoxystrobin**).

VILLA UNIZEB 750 WDG, VILLA UNIZEB 800 WP, MULTIZEB 455 SC, UNIZEB 480 SC, MISSION 720 SC and FUNGAWAY 250 SC are registered products of VILLA CROP PROTECTION (PTY) LTD.

NEWZEB 750 WDG, COZEB 800 WP, NEWZEB 455 SC, NEWZEB 480 SC, ORONIL 720 SC and MYCOBLOCK 250 SC are registered products of UNIVERSAL CROP PROTECTION (PTY) LTD.

COZEB 750 WDG, NEWZEB 800 WP and STROBIN 250 SC are registered products of CROP ASURE (PTY) LTD.