



Fungicide

# VALIDUS 200 EW

Reg. No. L 8481 Act No. 36 of 1947

3. 31/07/2023 – Oct2023

An oil-in-water emulsion, systemic fungicide for the control of diseases on crops as listed.

GROUP

3

FUNGICIDE

## ACTIVE INGREDIENT

myclobutanil (triazole)

200 g/l



WARNING

### Hazard Statements:

May be harmful if swallowed.  
May be fatal if swallowed and enters airways.  
May be harmful in contact with skin.  
Causes serious eye irritation.  
Harmful if inhaled.  
Suspected of damaging fertility or the unborn child.  
Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Avoid breathing dust, fume, gas, mists, vapours or spray.  
Avoid release to the environment.



UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.  
Co. Reg. No.1983/008184/07  
P.O. Box 801, Kempton Park 1620  
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:

**VALIDUS 200 EW**

Reg. No. L 8481 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 3

**ACTIVE INGREDIENT:**

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KEMPTON PARK, 1620 Tel. (011) 396 2233

**WARNINGS**

Allow the following number of days between last treatment and harvest or use as food or feed:	
Apples and Pears	14 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.**

**Hazard statements:**

May be harmful if swallowed.
May be fatal if swallowed and enters airways.
May be harmful in contact with skin.
Causes serious eye irritation.
Harmful if inhaled.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life with long lasting effects.

- Store under lock and key in a cool place.
- Store away from food, feed, fertilizer and other agricultural products.
- 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.
- **VALIDUS 200 EW** has been tested on the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which need to be tested; for this apply **VALIDUS 200 EW** to a limited test area before commercial applications are made.

<p><b>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.</b></p>
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**PRECAUTIONS****Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Avoid breathing dust, fume, gas, mists, vapours or spray.

Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
Collect spillage.
IF SWALLOWED: Get emergency medical help immediately.
IF ON SKIN: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned, get medical advice.
Do NOT induce vomiting.
If eye irritation persists: Get medical help.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- **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](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 use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
<b>Myclobutanil</b>	19.82 %
Soprophor BSU	< 10%
Acetophenone	< 15%
Solvesso 150	< 30%
Proxel GXL	< 1 %

### **FIRST AID TREATMENT**

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Seek medical attention if irritation occurs.**
- **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 persists.**
- **Eyes:** Flush eyes with clean water for at least 15 to 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.

### **NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage. If lavage is performed, suggest endotracheal and or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### **RESISTANCE WARNING**

**VALIDUS 200 EW** is a group code 3 fungicide. Any disease population may contain individuals naturally resistant to **VALIDUS 200 EW** and other group code 3 fungicides. The resistant individuals can eventually

dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **VALIDUS 200 EW** or any other group code 3 fungicide.

To delay fungicide resistance:

Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes.

- a spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up.
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **VALIDUS 200 EW** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to prompt use of a fungicide with a different mode of action for which there is no record of resistance to the relevant disease. For specific information on resistance management, contact the registration holder of this product.

#### **Mode Of Action:**

**VALIDUS 200 EW** contains the active ingredient **myclobutanil** that is a systemic fungicide with a protective and curative action which is translocate upwards in the plant. **Myclobutanil** inhibits ergosterol biosynthesis (sterol demethylation inhibitor).

#### **USE RESTRICTIONS**

- The uptake and activity of systemic compounds can be reduced when crops are under severe drought and/or nutrient stress conditions. Therefore, do not apply **VALIDUS 200 EW** under such conditions.
- Spray programmes with **VALIDUS 200 EW** should commence before disease/s become established.
- Do not apply **VALIDUS 200 EW** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **VALIDUS 200 EW** using an accurate and safe application technique.
- If **VALIDUS 200 EW** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.

#### **DIRECTIONS FOR USE: Use only as directed**

##### **Mixing Instructions:**

- Half-fill the spray tank with suitable water, then add the required amount of **VALIDUS 200 EW** to the water in the tank while agitating.
- Fill the spray tank to the desired volume. Do not use brackish water.
- Should tank mixtures with other products be made, follow the respective manufacturers' label recommendations. Where wettable powder formulations are used in combination with **VALIDUS 200 EW**, a slurry should firstly be made with the powder and some water, mixed into the spray tank and finally the **VALIDUS 200 EW** can be added.
- **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.**
- Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

##### **Post Spray Equipment Cleaning**

It is essential to rinse the spray tank and all hoses with a 0.1 % solution of either calcium chloride or ammonium hydroxide or the recommended rate of **Protank® liquid cleaner** according to the product label. Allow this solution to stand in the spray equipment for 15 minutes; empty the spray equipment; repeat the rinsing with a 0.1 % solution of calcium chloride or ammonium hydroxide for 15 minutes; rinse all equipment with water. Nozzles and fitters must be cleaned individually. Rinse water and solution should be drained in a cesspool or drain where it will not contaminate any water source.

##### **Compatibility:**

- The compatibility of **VALIDUS 200 EW** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used.
- As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

## **APPLICATION METHODS**

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. **VALIDUS 200 EW** can be applied with conventional tractor boom sprayers in 300 to 500 litres water per hectare as well as high volume mist blowers. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

## **RECOMMENDATIONS**

<b>Crop / Disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<p><b><u>Apples and Pears</u></b></p> <p><b><u>Apples</u></b> Powdery mildew (<i>Podosphaera leucotricha</i>) Scab (<i>Venturia inaequalis</i>)</p> <p><b><u>Pears</u></b> Scab (<i>Venturia pirina</i>)</p>	<p>15 ml / 100 ℓ water</p> <p><b>PLUS</b></p> <p>the recommended rate of a suitable broad spectrum fungicide such as <b>mancozeb or captab.</b></p>	<p>For powdery mildew control commence application at the pink stage and apply in a preventive spray programme every 10 to 14 days. Ensure adequate spray coverage.</p> <p>For scab control commence application at the green tip stage and apply in a preventative spray programme every 7 days during the pre-blossom stages up to the end of blossoming and every 14 days during the post-blossom stages. Ensure adequate spray coverage.</p>

- The **VALIDUS 200 EW** broad spectrum fungicide combinations may be used curatively to supplement a preventative contact fungicide spray programme. Curative applications are only recommended when adequate and reliable disease prediction systems are available. Treatment should be made within 4 days of the onset of an infection period.