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Reg. No. 19-B-99-3

TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

PRECAUTIONS:

DO NOT inhale spray mist.

Prevent contamination of food, feed, drinking water and eating utensils.

Prevent spray drift onto other crops, grazing, rivers, dams and any area not under treatment.

Rinse empty container three times with a volume of water equal to at least one tenth of that of the container. Add the rinsings to the contents of the spray tank.

Destroy empty container and do not use for any other purpose.

Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

EMPTY CONTAINER DISPOSAL:

1. Rinse empty container three times with a volume water equal to at least one tenth of the volume of the container and add the rinsate to the contents of the spray tank before disposing of the container by perforation and flattening.
2. Destroy empty container by perforation and flattening and never use for any other purpose.
3. If possible, offer the container for recycling.

There is no withholding period as Serenade ASO can be applied up to and including the day of harvest.

WARNINGS:

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. **If terms are not acceptable, return the unopened product at once for a refund of the purchase price.**

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, Limitations of Liability and License and Prohibition of Re-Sale. These terms may only be modified by a written document signed by a duly authorized representative of Bayer (Pty) Ltd.

CONDITIONS:

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer (Pty) Ltd. All such risks shall be assumed by the user or buyer.

Handle with care.

Avoid contact with eyes as this may cause irritation.

Store in a cool, dry place. Store in original containers only. Keep container closed when not in use. **Serenade ASO** contains living spores and care should be taken to store the product properly. The product is stored best at or below room temperature. Do not store in extreme heat or cold.

Store away from food and feed.

Keep out of reach of children, uninformed persons and animals.

SYMPTOMS OF POISONING

No symptoms known or expected.

FIRST AID

General advice: Move out of dangerous area. Victim to lie down in the recovery position, cover and keep him warm.

Inhalation: Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

Skin contact: Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

Eye contact: Wash off immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

NOTE TO PHYSICIAN

Treat symptomatically. There is no specific antidote.

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Zim/1022/Serenade ASO 10L/Back Booklet Code: ZW A

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RESISTANCE WARNING:

Serenade ASO is of the Group Code 44 fungicides, for resistance management. Any fungal population may contain individuals naturally resistant to **Serenade ASO** and other Group Code 44 fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly and exclusively in programs. These resistant fungi may not be controlled by **Serenade ASO** or any other group code 44 fungicides.

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.
- For tank mixing or alternation with products in unrelated Fungicide Group Codes, refer to applicable individual product labels.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

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

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

Do not combine **Serenade ASO** in the spray tank with pesticides, surfactants or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions.

To ensure compatibility of tank-mix combinations they should be evaluated prior to use, as follows:

Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

GENERAL INFORMATION:

Serenade ASO is a broad spectrum, preventive product for the control or suppression of many important plant diseases. **Serenade** is a contact, protectant fungicide/bactericide and not systemic. It is important to achieve good coverage. It may be applied as a foliar spray alone, in alternating spray programs or in tank mixes with other registered crop protection products. **Serenade** may also be applied as a soil drench. For maximum effectiveness, apply **Serenade ASO** prior to or in the early stages of disease development. When conditions are conducive to heavy disease pressure, use **Serenade ASO** in a rotational program with other registered fungicides. **Serenade ASO** is most effectively used in a preventive disease management program. For improved performance use **Serenade ASO** in a rotational program with other registered fungicides.

APPLICATION:

Since the product is primarily a protectant, thorough coverage of all above-ground plant parts is required for effective product performance.

All spray applications must be made with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application.

APPLICATION TABLE:

CROP	DOSAGE RATE	REMARKS
TOBACCO	4 ℓ per 100 ℓ water	Butts of reaped tobacco leaves are to be sprayed with Serenade (<i>Bacillus subtilis</i>) at the rate of 4 ℓ/100 litres water. Spray each side of the clip for approximately 10 sec with a knapsack before loading the clips into the barn.

CLEANING OF APPLICATION EQUIPMENT:

Clean applicator thoroughly after use and ensure all traces of the chemical are removed. Make use of the following method:

1. Drain tank/knapsack and rinse sprays and hoses with clean water for at least 10 minutes.
2. Fill the tank/knapsack with clean water and add detergent or household bleach. Rinse hoses and spray boom and leave in the tank/knapsack for 15 minutes whilst agitating. Drain through nozzle outlets
3. Repeat step 2
4. Thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for disposal of chemicals.

WARRANTY:

ALTHOUGH THIS REMEDY HAS BEEN 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 SOIL, 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 THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

DISCLAIMER OF WARRANTIES:

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER (PTY) LTD MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. NO AGENT OF BAYER (PTY) LTD IS AUTHORIZED TO MAKE ANY WARRANTIES BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER (PTY) LTD DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY:

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER (PTY) LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

License and Prohibition of Re-Sale:

Bayer (Pty) Ltd hereby grants buyer or user the right under the patents listed on the label to use this product solely in accordance with the label's Directions for Use for applications to plants, including plant parts such as seed, or to soil, where the treated plants or the plants grown in treated soil are intended for sale, in whole or in part, or are intended for public or personal use. The buyer or user does not have the right to de-formulate this product or to isolate and/or culture its active ingredient for any purpose. Unless specifically granted in writing, the buyer or user does not have the right to re-sell this product in any form; e.g., this product may not be re-sold in combination with other products or other active ingredients or in a diluted form, unless combinations are prepared and delivered to the end-user for immediate application to plants, plant parts or soil solely in accordance with the label Directions for Use.

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