



syngenta®

Reg. No. L10300 Act / Wet No. 36 of / van 1947

FUNGICIDE GROUP 11 SWAMDODERGROUP

Active ingredient:
Azoxystrobin (Strobilurin) 95 g/l

UN 3082

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Batch No

Date of Manufacture

A dispersible concentrate systemic fungicide with control of various diseases of lawns and turf grasses, sports fields and recreational areas.

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(Bateleur 911)

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Registration holder / Registrasiehouer:
Syngenta SA (Pty) Ltd. / (Edms) Bpk.
(Co./Mpy Reg. No. 1998/013761/07)
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HALFWAY HOUSE, 1685 RSA.
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1. WARNINGS:

- **This product should only be used under supervision of registered members of the Golf Course Managers and Greenkeepers Association or registered Turf Grass Pest Control Operators.**
- Harmful if swallowed or inhaled.
- Toxic to fish and other aquatic life.
- Avoid contact with skin or eyes since product may cause eye and skin irritation.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **HERITAGE MAXX** is extremely phytotoxic to certain apple varieties. Do not apply **HERITAGE MAXX** where spray drift can contaminate apple trees.
- Conditions that may contribute to drift include thermal inversions, excessive wind speed, certain sprayer nozzle or pressure combinations, small spray droplet size, etc.
- Do not feed **HERITAGE MAXX** treated grass clippings to animals.

WITHHOLDING PERIOD:

Do not graze treated turf or lawn, or feed turf or lawn clippings from any treated area to poultry or livestock.

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 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 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.

2. PRECAUTIONS:

- Not to be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.
- Change and wash your work clothes. Wash yourself.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Do not eat, drink or smoke whilst handling this product.
- Harmful if inhaled. DO NOT inhale spray mist.
- Avoid contact with eyes and skin. Will irritate the eyes and skin. In case of accidental eye contact, flush the eyes with clean water.

- While spraying, avoid contact with the spray as much as you can.
- In case of accidental skin contact, immediately wash the skin with clean water.
- When opening the container, preparing the product for use and using the product, wear: cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and goggles.
- If applying by hand, wear: cotton overalls buttoned to the neck and wrist over normal clothing, elbow-length PVC gloves and face shield or goggles.
- Wash hands after use and wash yourself. After each day's use, wash gloves, goggles and contaminated clothing.
- In case of accidental contact with clothing remove your clothing and wash the clothing and yourself immediately.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.

FIRST AID: If poisoning occurs contact a doctor or the **Tygerberg Poison Information Centre at 0861 555 777.**

In case of intoxication, have the product container and label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN:

There is no specific antidote available. Treat symptomatically and do not induce vomiting.

Re-entry Periods:

- DO NOT allow entry into treated areas until the spray has dried, unless wearing chemical resistant gloves and footwear.

Protection of livestock:

- DO NOT graze treated turf/lawn or feed turf/lawn clippings from any treated area to poultry or livestock.

Protection of wildlife, fish, crustaceans and environment:

- Toxic to aquatic life.
- DO NOT contaminate dams, waterways or drains with the chemical or used containers.
- DO NOT apply under meteorological conditions or from spraying equipment that could be expected to cause spray drift on adjacent areas, particularly wetlands, waterbodies or watercourses.
- DO NOT apply when heavy rains or storms are expected within 4 hours to avoid contamination of aquatic environments.
- Avoid spray drift onto other crops, grazing rivers or dams.

Storage and disposal:

- Store in the closed, original container in a cool, well-ventilated area.

- DO NOT store for prolonged periods in direct sunlight.
- Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank.
- DO NOT dispose of undiluted chemicals on site.
- Destroy empty container and do not use for any other purpose.
- If recycling, replace cap and return clean containers to recycler or designated collection point.
- If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container.

3. RESISTANCE MANAGEMENT

HERITAGE MAXX fungicide is a member of the Quinone outside inhibitors (QoIs) group of fungicides. For resistance management, **HERITAGE MAXX** is a group code 11 fungicide. Any fungus population may contain individuals naturally resistant to **HERITAGE MAXX** and other group code 11 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **HERITAGE MAXX** or any other group code 11 fungicide, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, the product owner accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

HERITAGE MAXX is best used in a preventative disease control program. Reliance on curative use of **HERITAGE MAXX** could lead to resistance. **DO NOT** apply **HERITAGE MAXX** for more than a total of 1/3 of the fungicide applications in one season, as a precaution. If consecutive applications of **HERITAGE MAXX** are used they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before **HERITAGE MAXX** is used again in the current or following season.

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.
- Refer to individual product labels when alternating products or when using tank mixtures with products in fungicide group codes 7, 27, 28, 29, 30 and M.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.
- **HERITAGE MAXX** should always be applied as a preventative treatment.
- Apply **HERITAGE MAXX** in blocks of two consecutive sprays and then alternate with fungicides in a different chemical class. The total number of **HERITAGE MAXX** applications must not exceed 30 % of the total number of fungicide applications to the same target area per season. During the dry season of the year, no **HERITAGE MAXX** applications should be made for at least three months.
- When diseases like Grey leaf spot and *Pythium* spp. are present do not make more than two sequential applications of **HERITAGE MAXX**. When other diseases are present, but in the absence of Grey leaf spot and *Pythium* spp. **HERITAGE MAXX** can be sprayed in blocks up to 3 sequential sprays.
- **HERITAGE MAXX** should never be alternated or used in the same program as other strobilurins or similar chemistry e.g. trifloxystrobin, pyraclostrobin, famoxadone, kresoxim-methyl and fenamidone.

For specific information on resistance management contact the registration holder of this product (Syngenta South Africa) or visit the FRAC website at <http://www.frac.info/frac/index.html>.

4. DIRECTIONS FOR USE:

4.1 Restraints:

- DO NOT use this product in the home garden.
- DO NOT apply by aerial application methods.
- DO NOT use this product through any type of irrigation system or ultra-low volume spray system.

4.2 Compatibility:

- **HERITAGE MAXX** is compatible with most pesticides and foliar fertilisers used in turf management. However, compatibility tests should always be done prior to mixing **HERITAGE MAXX** with any of these remedies.
- The following procedure should be followed: Pour the recommended portions of the products into a suitable container with water and mix thoroughly. Allow to stand for at least 20 minutes. If the mixture remains in suspension or can be re-mixed readily, the mixture could be considered to be physically compatible.
- Products should be added to the spray tank in the following sequence as applicable: the recommended rate of **HERITAGE MAXX**, other WG formulations, dry flowable formulations, wettable powder formulations and flowable formulations.

4.3 Mixing instructions:

- Add the required amount of product directly to the spray tank and mix well. **HERITAGE MAXX** is a micro emulsion concentrate (MEC) with minimal odour as the product does not contain petroleum solvents. **HERITAGE MAXX** mixes completely with water and may be tank mixed with many commonly used fungicides and liquid fertilisers.

4.4 Spray drift management:

- Spray drift management is the responsibility of the spray operator. Since drift to apple trees is of utmost importance, extreme care should be taken to avoid drift to this crop.

4.5 Rainfastness:

- There is no concern with regard to rainfastness on turfgrass. If the chemical is washed off from the foliage, it will pass into the thatch area where pathogens tend to reside until conditions are favourable for the development of the disease.
- If the chemical does get to the soil, it will be taken up by the roots and translocated to the foliage due to its systemic activity. However, irrigation should not commence within at least two hours after application except if it is the purpose of the irrigation to wash **HERITAGE MAXX** into the soil or thatched area.

4.6 Application:

- Ensure even application in order to achieve even disease control. Avoid overlapping sprays.
- **Leaf and Crown Diseases:** Application volume for leaf and crown diseases (Anthracnose, Brown Patch, Grey Leaf Spot, *Helminthosporium* diseases, Pythium Blight, Red Thread and Winter *Fusarium*) should be adequate to ensure thorough and even coverage of the turf leaves and penetration to the crowns. Ideal application volume should be 350 to 500 l/ha. In higher cut turf (≥ 15 mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes.
- **Root Diseases:** Application volumes for root infecting diseases (Brown Patch, *Pythium* Root Rot and Spring Dead Spot) should be as high as possible (approximately 1000 l/ha) to ensure placement close to the soil surface. When lower application volumes are used, washing in should commence as soon as possible after application. Preferably spray onto wet or dewy grass. Irrigate with 6 to 10 mm of water commencing within 1 hour of application.

Ground application:

- Apply in 800 - 1 000 l water/ha as a preventative treatment as soon as weather conditions change and/or conditions for disease development becomes favourable.

