



DAZOMET 98 GR

Reg. No. L11312, Act No. 36 of 1947 | Reg. Nr. L11312, Wet Nr. 36 van 1947

Read the label before use
Keep out of reach of children and animals

A granular soil fumigant for the pre-plant control of various weeds, soil fungi and nematodes.

INSECTICIDE GROUP CODE 8F

Warning

Hazard Statement

Harmful if swallowed.

Causes serious eye irritation.

Very toxic to aquatic life with long lasting effects

Precautionary Statements

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

ACTIVE INGREDIENT

Dazomet (thiadiazine) 980 g/kg

Manufactured for and registered by/Vervaardig vir
en gereistreer deur:

Sharda International Africa (Pty) LTD

Reg. No./Reg. Nr. 2010/002268/07

P. O. Box/Posbus 82021, Southdale, 2135

Tel: 031-764 3011

UN No. / VN Nr. 3077

'n Grond berokingsmiddel in korrelvorm vir die voorplant beheer van verskillende onkruid, grondswamme en aalwurms.

INSEKDODER GROEP KODE 8F



AKTIEWE BESTANDDEEL

Dasomet (tiadiazine) 980 g/kg

BATCH NUMBER
LOT NOMMER

EXPIRY DATE
VERVAL DATUM

Net Mass /
Netto Massa

25Kg

National Poison hotline number/ emergency contact 086 155 5171

WARNINGS:

- Harmful if swallowed.
- Causes serious eye irritation.
- Very toxic to aquatic life with long lasting effects
- Poisonous by contact and swallowing.
- Toxic to fish, other water organisms and animals.
- Store away from food and feed.
- 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 thereof may be affected by factors such as abnormal soil, climatic and storage conditions, compatibility with other substances not indicated on the label and the occurrence of resistance weed, pest or 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 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:

- Wash hands thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Avoid release to the environment.
- Wear eye protection/face protection.
- IF SWALLOWED: Get medical help.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical help.
- Rinse mouth.
- Collect spillage.
- Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
- Wear latex gloves when handling DAZOMET 98 GR.
- Do not handle with wet hands or moist gloves.
- Wash contaminated clothing.
- In case of skin contamination, wash thoroughly with soap and water.
- Prevent contamination of neighbouring/and or nearby areas, crops, streams, rivers, dams, or springs.
- If used in closed glasshouses or tunnels, first aerate the building well before entering.
- The SAFETY TEST must be carried out on soil before planting – refer below.
- Destroy empty container by perforating and flattening or controlled burning and NEVER re-use for any other purpose.

RELEVANT SUBSTANCES:

Components	%
Dazomet	98

MODE OF ACTION:

DAZOMET 98 GR is a soil sterilant which acts by releasing fumes in the soil after application, as a result of chemical reactions with oxygen and water. The degree of fumes-development therefore depends on the availability of oxygen and water and the ratio between them. The chemical reactions are also enhanced by increasing temperatures. The fumes are only active for a fairly short period of time and are then chemically decomposed to carbon dioxide, water and nitrogen-containing compounds that are used by the crop as plant nutrients.

IMPORTANT NOTES:

- The fumes released from the soil treated with **DAZOMET 98 GR** are highly injurious to all plant life. It is thereby extremely important to ensure that all fumes are removed from the soil before sowing or planting crops, and this can be assured only if the **DIRECTIONS FOR USE** below is followed closely.
 - Weed seeds and nutsedge bulbs, which are dormant at the time of application, and enclosed in hard clots or are positioned below the treated layer of soil, will not be fully controlled.
- Efficacy of **DAZOMET 98 GR** is completely dependent upon adequate mixing into the soil. On soils where the mixing procedure cannot be carried out satisfactory (clods and large stones), **DAZOMET 98 GR** should not be used.

USE RESTRICTIONS:

- **DAZOMET 98 GR** should only be used for **PRE-PLANTING** or **PRE-SOWING** treatment of seedbeds and intensive cropping areas, the bulk treatment of nursery potting soil and soil for the replanting of trees.
- Do not use on heavy soils (> 25% clay).
- Do not use if soil temperature is below 12°C at 15cm depth.

DIRECTIONS FOR USE:

Use only as directed

DAZOMET 98 GR is a soil sterilant used for treatment of seedbeds and intensive cropping areas, the bulk treatment of nursery potting soil and soil for the replanting of trees for the control of soil-borne fungi and weeds (INCLUDING YELLOW AND RED NUTSEDGE) and nematodes.

Soil condition: The soil must be in a sound structural condition, having a fine tilth prepared by cultivation and be reasonably moist before application of **DAZOMET 98 GR** to allow complete penetration of the fumes. The soil should not contain any non-decomposed plant material, FRESH compost or manure.

METHOD OF APPLICATION:

Soil treatment: Good results of **DAZOMET 98 GR** treatments can only be expected when the following sequence of actions (numbered 1 to 10) below are strictly adhered to.

Soil preparation:

1. Prepare seedbeds 14 days prior to the application of **DAZOMET 98 GR**.
2. Irrigate to full field capacity and maintain good moisture regime for about 10 days, if necessary apply additional light irrigations, to activate all soil organisms. Allow the soil to dry for a few days until the stage where the soil is moist but dry enough for cultivation (about 70% of field water holding capacity).

Application and distribution:

3. Distribute **DAZOMET 98 GR** evenly over the soil surface by means of mechanical spreaders or by hand. Uniform distribution is essential. Ensure correct calibration of equipment.

Incorporation into soil:

4. **DAZOMET 98 GR** must be thoroughly and evenly incorporated into the soil to a depth of 15-20 cm immediately after application by means of a rotavator or heavy disc harrow. In case of a disc harrow the Cultivation must be carried out twice with a second one at right angles to the first one. Ensure that the disc harrow reaches the required dept. For small areas a spade or hoe may be used.
5. Where the soil has dried out too much after incorporation (less than 50% of field water holding capacity of the soil) a light irrigation immediately after incorporation, and just before sealing, is recommended.

Sealing of treated soil:

6. Immediately after incorporation, seal soil surface with plastic sheets.
7. Keep sheets in position for 7 days (high temperatures) and 10 days (medium temperatures).
8. Remove sheets after the correct period of time.

Gas-release cultivations (aeration):

9. Cultivate the soil after removal of the plastic sheets. Ensure that this cultivation takes place to the same depth as the incorporation cultivation. Too shallow cultivations may result in locked-in pockets of fumes at the bottom of the treated soil layer, while untreated soil may be brought to the surface where the cultivation exceeds the depth of the incorporation cultivation. A rotavator or a heavy disc harrow should be used for this cultivation. For small areas, a spade or hoe may be used. In cases where a disc harrow or a spade or hoe are used, the cultivation should be carried out twice with the second cultivation at right angles to the first one.

Identification of gas-release: SAFETY TEST #1

10. Two to three days after the gas-release cultivation the soil must be examined for gas residues by applying this test:
 - (i) Take 6 random samples which are representative of the treated area down to the same depth to which **DAZOMET 98 GR** was incorporated.
 - (ii) Bulk these, take a sub-sample and place this in a glass-jar (3/4 full).
 - (iii) Dip a piece of moist cotton wool onto lettuce or radish seeds (use tobacco seeds in the case of tobacco seedbeds) and place into jar on top of the soil sample. Other quick-germinating seeds that are being used in the seedbeds can also be used for this test.
 - (iv) Close lid immediately and place in a warm room.
 - (v) Prepare a similar test sample with untreated soil.
 - (vi) If no gas-residue is present, germination of radish should occur after 48 hours, tobacco and lettuce seed after 3 to 4 days.
 - (vii) Occurrence of healthy germination on the untreated sample only, with no or poor germination on the sample of treated soil, clearly indicates the presence of traces of gas-residues in the treated area and a second gas-release cultivation should be carried out.

Note 1: Above mentioned gas-release cultivation method recommendations only apply for situations where a gas-release safety test can be carried out as prescribed above. If such facilities are not available, it is recommended to carry out the first aeration cultivation immediately after removal of the plastic sheets and to follow after 3 to 5 days with the second cultivation. Leave the soil for at least another two days before planting or sowing the crop. Extend the aeration period if rainfall of more than 10 mm occurs and make sure that the soil is fairly dry during the whole aeration period for a total of at least 7 days.

Note 2: Do not irrigate during the aeration period.

Treatment of potting soils: Incorporate the required quantity of **DAZOMET 98 GR** into moist bulk potting mixture by turning the mixture at least twice. Cover this heap with polythene film, seal and leave for 3 weeks. Before soil is used, it should be spread onto a clean surface, away from plants, and turned to allow the gas to escape. Apply the SAFETY TEST, see above #1.

Application	Soil Type	Dosage
Pre-planting seedbed fumigation for the control of various weeds, soil fungi and nematodes. Viz., Vegetables, Tobacco, Coffee, Rooibos tea, Forest trees, Shrubs, Proteas, Strawberries, Deciduous fruit trees, Subtropical fruit trees (Citrus, Avocado's, Papaya, etc.) Vines and flowers (e.g. Carnations, Chrysanthemums). Note: Citrus and Forest nurseries. Where necessary the treated soil must be re-inoculated with an efficient mycorrhizal fungus.	Light sandy- to sandy loam soils (Up to 25% clay).	A. For a soil depth of up to 20cm. If weed control is the main object, use 40 g/m ² (= 400 kg/ha.* For Very heavy infestations of Nutsedge use 50 g/m ² .*
Tobacco seedbeds for the control of Black Shank (<i>Phytophthora nicotianae</i>), weeds,nematodes and Black root rot (<i>Thielaviopsis basicola</i>).		B. For a soil depth of up to 20 cm. If the main problems are soil fungi or nematodes, use 50 g/m ² = 500 kg/ha.*
Bulk treatment of soil when replanting trees for the control of soil fungi, weeds and nematodes.		C. For a soil depth of up to 30 cm, use 50 g/m2 under all conditions.*
Bulk treatment of potting soil for the control of soil fungi, weeds and nematodes.		50 g/m ² = 500 kg/ha.
		250 g/m ³
	A soil mixture with high organic matter content	400 g/m ³

* #1 refers to identification of gas-release with SAFETY TEST.