FUNGICIDE

MAPP 16979

A fungicide for the reduction and prevention of dry rot, gangrene, silver scurf and skin spot in seed and ware potatoes and fusarium basal rot in ornamentals (narcissi).

Water Soluble Concentrate (SL) containing 220 g/l thiabendazole as the hypophosphite salt.

Warning

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. Collect spillage. Hazardous to the aquatic environment. 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. To avoid risks to human health and the environment, comply with the instructions for use.
SAFETY PRECAUTIONS

Operator protection
Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.
WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces or handling freshly treated material.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, FACE PROTECTION (FACE SHIELD) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when applying the product.
* Disposable filtering face piece respirator to at least EN149 FFP2 or equivalent.
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
DO NOT BREATHE SPRAY and WASH HANDS before eating and drinking and after work.

Environmental protection
Do not contaminate water with the product or its container (do not clean application equipment near surface water / avoid contamination via drains from yards and roads).

Storage and disposal
Keep in original container, tightly closed, in a safe place. Rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely.

Treated seed
Keep treated seed secure from people, domestic stock/pets and wildlife at all times during storage and use. Bury or remove spillages. Do not reuse sacks or containers that have been used for treated seed for food or feed.

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IMPORTANT INFORMATION
FOR USE ONLY AS A FUNGICIDE IN AGRICULTURE/HORTICULTURE AND FOOD STORAGE PRACTICE.

Crops

<table>
<thead>
<tr>
<th>Maximum individual dose</th>
<th>Maximum number of treatments</th>
<th>Latest time of application</th>
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<tbody>
<tr>
<td>Potato (post-harvest use), Potato (seed, post-harvest use)</td>
<td>200 ml product/tonne of treated tubers</td>
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<tr>
<td>Ornamental plant production (Narcissus)</td>
<td>1 litre product/tonne of sprayed bulbs</td>
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Other specific restrictions:
1) Sacks containing treated seed must not be re-used for food or feed.
2) Treated seed must not be used for food or feed.
3) The use of this product on ware potatoes is subject to discharge of thiabendazole into receiving waters from plants washing treated potatoes being within emission limits set by the UK monitoring authority.
4) This product must not be used to treat narcissus bulbs grown in the Isles of Scilly.
5) Treated seed must not be applied from the air.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.
**DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

TEZATE 220 SL is a systemic, curative and protectant benzimidazole (MBC) post-harvest fungicide. It is to be used for the reduction and prevention of dry rot, gangrene, silver scurf and skin spot in seed and ware potatoes and fusarium basal/neck rot in ornamentals (narcissi).

**Resistance**

Strains of some fungi may develop resistance to fungicides after prolonged use. Benzimidazole (e.g. thiabendazole, carbendazim, …) tolerant strains of silver scurf *(Helminthosporium solani)*, skin spot *(Polyscytalum pustulans)* and dry rot *(Fusarium spp.)* have been reported. Strains of fungi causing basal and neck rot of narcissus resistant to thiabendazole are known to exist. If treatment is not effective following the use of TEZATE 220 SL, tolerant strains of fungi may be present and the use of suitable fungicides with a different (non-benzimidazole, e.g. imazalil) mode of action should be considered.

**CROP SPECIFIC INFORMATION**

**POTATOES (seed and ware potatoes)**

TEZATE 220 SL prevents and reduces the following storage diseases on potatoes: *Fusarium spp.*, *Rhizoctonia solani*, *Helminthosporium solani*, *Phoma exigua* and *Oospora postulans*.

Only apply TEZATE 220 SL to ware crops where there is a likely risk of disease during the storage period and in combination with good storage hygiene and maintenance to reduce disease risk.

When used on seed tubers always use in sequence with imazalil or other products from different chemical groups, recommended for use against the same target diseases. Where TEZATE 220 SL is used after harvest, it is recommended to use products based on imazalil before planting.

Alternatively both active substances can be applied after harvest, but they cannot be mixed with each other, as formulated products are not physically compatible.

The product should be applied as soon as possible (within 2 weeks) after harvest, provided the skins are set. Potatoes should not carry excessive quantities of soil and only be treated by systems that provide an accurate dose, such as a rotary disc atomizer or ULV spraying equipment with hydraulic nozzles.

**Dose:** Apply 200 ml product/ tonne tubers. Dilute with 1-2 litres water.

**ORNAMENTALS (NARCISSUS)**

In ornamentals TEZATE 220 SL can be used to reduce *Fusarium spp.*, *Botrytis spp.* and *Penicilium spp.*.

In narcissus fusarium basal/neck rots are reduced. TEZATE 220 SL can be used after lifting as a low volume spraying application. Ensure narcissus bulbs are clean before application.

**Dose:** Use 1 litre product per tonne tubers. Dilute with 5 litres water. Apply only with systems that provide an accurate dose, such as a rotary disc atomizer or ULV spraying equipment with hydraulic nozzles. It is important to ensure that the bulbs are turning at the site of application to ensure good overall coverage.

In case of a high basal/ neck rot infection, the dose may be doubled on a 2 year down crop. This may give some reduction in flower number in the first spring following the treatment. Application of the double dose on an annually lifted crop may result in premature leaf senescence, reduced yield and more small bulbs. This application should therefore only be made in case of a severe basal/ neck rot infection.

**MIXING AND SPRAYING**

Half fill the spray tank with clean water and begin agitation. Add the required quantity of TEZATE 220 SL and add the remainder of the water. Continue agitation during application.

Thoroughly clean down jets and lines at the end of the day. Do not leave product in application equipment for prolonged periods e.g. overnight.

**COMPATIBILITY**

TEZATE 220 SL is not physically compatible with products (SL-formulations) based on imazalil. It is not recommended to use TEZATE 220 SL in combination with other products.
CONDITIONS OF SUPPLY
All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods. Other brand names used in this guide are trademarks of other manufacturers for which propriety rights may exist.

To access the Safety Data Sheet for TEZATE 220 SL please use the link below or scan the code.


Alternatively, contact your local supplier.
TEZATE® 220 SL

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**PROTECT FROM FROST**

For 24 hour emergency information contact: CARECHEM24 : +44 (0) 1235 239670

**The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.**