

Q-CHEM

Q-CHEM nv
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DHM

DHM AGROCHEMICALS
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IMA 100 SL

**A protectant fungicide for the reduction of silver scurf, gangrene,
skin spot and Fusarium dry rot on ware and seed potatoes.**

A soluble concentrate containing 100 g/litre imazalil (9.4% w/w)

Xi



IRRITANT

RISK AND SAFETY INFORMATION

Risk of serious damage to eyes.

Dangerous for the environment.

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Keep out of reach of children.

Keep away from food, drink and animal feedingstuff.

When using do not eat, drink or smoke.

Avoid contact with skin.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear eye/face protection.

This material and its container must be disposed of in a safe way. Use appropriate containment to avoid environmental contamination

Avoid release to the environment. Refer to special instructions/Safety Data Sheets

To avoid risks to man and the environment, comply with the instructions for use.

MAPP 13559 - PCS No. 03319

IMPORTANT INFORMATION			
FOR USE AS AN AGRICULTURAL FUNGICIDE IN POTATOES			
Crops	Maximum Individual dose	Maximum number of applications	Latest time of application
Potato (excluding seed)	100 ml/tonne of tubers	One per batch	Post harvest
Potato (seed)	100 ml/tonne of tubers	Two per batch	Post harvest, prior to chitting

Other specific restrictions:
This product must only be applied by conventional canopied hydraulic or spinning disc potato sprayer equipment mounted on a rolling conveyor.
The use of this product on ware potatoes is subject to discharges of imazalil into receiving waters from plants washing treated potatoes being within emission limits set by the UK monitoring authority.

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.

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

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Contents:

1 litre e

Batch No: see bottle

SAFETY PRECAUTIONS

OPERATOR PROTECTION

Engineering control of operator exposure must be used where reasonably practical in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate, during application and when handling treated tubers and contaminated surfaces during treatment/storage operations.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical attention.

AVOID ALL CONTACT WITH SKIN.

WASH HANDS AND EXPOSED SKIN before eating, drinking and smoking and after work.

DO NOT HANDLE seed unnecessarily.

ENVIRONMENTAL PROTECTION

DO NOT CONTAMINATE WATER with the product or its container.

CONSUMER PROTECTION

DO NOT USE TREATED SEED as food or feed.

DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

STORAGE AND DISPOSAL

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.

BURY OR REMOVE SPILLAGES.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to the sprayer at time of filling and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

SHAKE WELL BEFORE USE

Store in a suitable pesticide store. Keep dry and protected from frost.

LABEL TREATED SEED with appropriate precautions using printed sacks, labels or bag tags supplied. The following precautions must appear on sack labels for treated seed:

THIS SEED HAS BEEN CHEMICALLY TREATED WITH IMA 100 SL (contains imazalil).

WEAR SUITABLE PROTECTIVE GLOVES AND EYE PROTECTION (GOGGLES) when handling treated tubers and contaminated equipment during planting operations.

DO NOT HANDLE seed unnecessarily.

WASH HANDS AND EXPOSED SKIN before meals and after work.

DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.

BURY OR REMOVE SPILLAGES.

DO NOT USE TREATED SEED as food or feed.

HARMFUL TO GAME AND WILDLIFE. Treated seed should not be left on the soil surface.

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.

IMA 100 SL is a seed treatment fungicide for the reduction of silver scurf, gangrene, skin spot and Fusarium dry rot on ware and seed potatoes.

IMA 100 SL should be used in conjunction with other disease management measures such as, good handling, curing and storage practice, good store hygiene and the use of resistant varieties.

RESTRICTIONS AND WARNINGS

CONSULT PROCESSORS BEFORE TREATING WARE POTATOES FOR PROCESSING.

In situations where soil borne inoculum is high, treatment of seed tubers with IMA 100 SL may not give full protection against infection of stems and daughter tubers.

In early potato seed crops, IMA 100 SL can cause a temporary reduction in the number of open eyes when applied as an out of store treatment.

Treatment should be made before chitting to minimise mechanical damage.

Only one post harvest application must be made to potatoes intended for ware or processing.

Reduction of established wound diseases may not be achieved.

For best results, the tubers should be clean and free from soil (less than 5% of surface). Diseases under areas of soil/dust will not be exposed to spray and will not be controlled. The skin can be dry or damp at treatment but not wet.

DISEASE CONTROL

IMA 100 SL reduces the following diseases of ware and seed potatoes, when applied during storage:

Silver scurf	<i>Helminthosporium solani</i>
Skin spot	<i>Polyscytalum pustulans</i>
Gangrene	<i>Phoma exigua</i>
Dry rot	<i>Fusarium spp.</i>

When applied prior to planting of seed potatoes as a protective treatment, only reduction of skin spot and silver scurf can be expected.

CROPS

IMA 100 SL can be used on potatoes stored for the ware or processing market. It can also be used on the seed tubers of all varieties of early and maincrop potatoes grown for seed, ware or processing.

For best results, the tubers should be clean and free from soil (less than 5% of surface). Diseases under areas of soil/dust will not be exposed to spray and will not be controlled. The skin can be dry or damp at treatment but not wet.

Ware potatoes

Timing of application

Only one post-harvest application must be made to potatoes intended for ware or processing.

To achieve the maximum disease reduction in storage, IMA 100 SL should be applied as soon as possible after harvest, preferably within 7 to 10 days. To obtain the best reduction of both skin and wound diseases application must be made before wounds have begun to close. Later applications may be less effective as wound infections will no longer be exposed to treatment.

Seed potatoes

Time of application

- two treatment programme

To achieve the maximum disease reduction in store and in progeny crop a two spray programme of IMA 100 SL is recommended.

The first into store spray should be applied as soon as possible after harvest, preferably within 7-10 days, to obtain the best reduction of both skin and wound diseases. Reduction of established wounds may not be achieved.

The second pre-planting spray should be applied at the final grading prior to chitting or prior to planting if not chitted. On planter sprays may be used.

This will give reduction of skin spot and silver scurf in the progeny crop. Established wound diseases may not be controlled. Treatment should be made before chitting to minimise mechanical damage.

- one treatment programme

Treatment with IMA 100 SL at final grading prior to chitting, or prior to planting if not chitted, will reduce skin diseases in the progeny crop. Treatment should be made before chitting to minimise mechanical damage. Reduction of established wound diseases may not be achieved. On planter sprays may be used.

Rate of application

Use IMA 100 SL at 100 ml per tonne of ware or seed potatoes.

MIXING AND SPRAYING

Apply IMA 100 SL through canopied, hydraulic or spinning disc equipment (with or without electrostatics) mounted on a rolling conveyor or table. It may be applied diluted with water at up to 2.0 litres of spray solution per tonne of potatoes, ensuring good coverage. Higher volumes within the equipment's capabilities are preferred, to obtain maximum cover of the skin, penetrate any wounds etc and hence provide the best disease control.

Fill the tank with half the required volume of water. Measure the appropriate amount of IMA 100 SL into the tank and make up the required volume of water. Agitate thoroughly before application.

On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to the spray tank at time of filling and dispose of container safely.

COMPANY ADVISORY INFORMATION

With many products, there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity our recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, 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 for any damage or injury whatsoever arising from their storage, handling, application or use.