



For the control of black scurf (*Rhizoctonia solani*) on daughter tubers and some reduction of stem and stolon canker (also *Rhizoctonia solani*) in potatoes.

A powder formulation for dry seed treatment containing 20.0 g/kg (2 % w/w) Penflufen.

<p>Safety information EMESTO PRIME DS Contains 20.0 g/Kg (2% w/w) Penflufen</p>	
	<p>Toxic to aquatic life with long lasting effects.</p> <p>Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for clean empty containers which can be disposed of as non-hazardous waste.</p>
	<p>To avoid risks to human health and the environment, comply with the instructions for use.</p>
<p>PCS 05991</p>	

For Professional use only.

PROTECT FROM FROST.

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SAFETY PRECAUTIONS

Operator Protection

This product must only be applied using automated powder dispensing equipment fitted on an automatic planter.

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

Environmental Protection

Do not contaminate waters with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

To protect birds/wild mammals treated seed should not be left on the surface. Bury or remove spillages.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
 KEEP OUT OF REACH OF CHILDREN
 KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
 EMPTY CONTAINER COMPLETELY and dispose of safely.

READ ALL INSTRUCTIONS CAREFULLY BEFORE USE.

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.

EMESTO PRIME DS is recommended for the control of black scurf (*Rhizoctonia solani*) and some reduction of stem and stolon canker (also *Rhizoctonia solani*). *Rhizoctonia* is able to exist freely in soils, but disease infection can also take place from sclerotia present on seed tubers. EMESTO PRIME DS is primarily used for control of the tuber-borne inoculum.

For use on seed tubers of all varieties of first and second earlies, main and seed potato crops.

This product must only be applied using automated powder dispenser equipment fitted on an automatic planter.

RESTRICTIONS

BEFORE USING EMESTO PRIME DS ALWAYS CHECK THE LATEST GUIDELINES FOR THE USE OF PENFLUFEN PRODUCTS, AVAILABLE FROM BAYER CROPSCIENCE OR YOUR EMESTO PRIME DS SUPPLIER

CONSULT PROCESSOR BEFORE USING ON CROPS FOR PROCESSING.

DISEASES CONTROLLED

Control of black scurf (*Rhizoctonia solani*) and some reduction of Stem and stolon canker (*Rhizoctonia solani*).

The possible development of disease strains resistant to EMESTO PRIME DS cannot be excluded or predicted. Where such resistant strains occur, EMESTO PRIME DS is unlikely to give satisfactory control.

CROP SPECIFIC INFORMATION

Crops :	Potato (seed).
Maximum individual dose:	1.0 kg of product per tonne of seed tubers.
Maximum number of treatments:	One per batch.
Latest time of application:	At planting.
Other Specific Restrictions	Treated tubers may only be planted in the same field once every 3 years. Applications to potato seed must not exceed 100 g Penflufen per hectare. Sowing of treated seed must not exceed a maximum planting density of 5 tonne per hectare.

APPLICATION

1.0 kg of EMESTO PRIME DS per tonne of seed tubers.

Seed Tubers should be dry and free of soil deposits at treatment.

Seed tubers should be treated with EMESTO PRIME DS at planting using a suitable metered powder dispenser. The applicator needs to be appropriately calibrated to account for the seed tuber size and planting rate.

On-planter Applicator: EMESTO PRIME DS may be applied directly onto the tubers using powder metering units fitted to the cup-feed planter hopper or belt feeder (E.g. Team Sprayers metering unit). Powder dispenser manufacturers should be consulted as to the suitability of individual machines for use with EMESTO PRIME DS and the appropriate machine setting to ensure the correct application rate relative to tuber size is achieved. This method of application reduces risk of operator exposure. These applicators may not be suitable for all automated planters.

Rain

If seed tubers become damp from light rain, the distribution of EMESTO PRIME DS on the tubers at planting should not be affected. If, however, a rain shower interrupts planting, the tubers in the hopper should be covered in accordance with normal practice.

Dust

Potato planting is a dusty operation, particularly in windy weather. The use of EMESTO PRIME DS may add to this problem and operators must wear a dust mask (conforming to EN 149 FFP2 or EN 149 FFP3) when handling the dust formulation, filling the hopper and when riding on the planter.

Treated tubers – Use of

Treated tubers may only be used as seed. They must not be used for human or animal consumption.

Growers are advised to carefully check seed tuber health before applying EMESTO PRIME DS. Potato seed tubers to be treated with seed treatments, including EMESTO PRIME DS, should be of good quality and vigour (i.e. free from conditions such as bacterial rots, physical damage, virus infection, etc). Crop establishment may be impaired where seed is affected by the conditions above, irrespective of any subsequent seed treatment application.

TUBER HANDLING DAMAGE

Any damage occurring to tubers or sprouts/chits during handling, treatment or planting may adversely affect their subsequent performance and cropping.

It is Good Agricultural Practice to allow seed tubers coming out of cold store to achieve ambient temperature before planting in to cold and / or wet seed beds.

OTHER SEED TREATMENTS

EMESTO PRIME DS should NOT be used on seed tubers which have previously been treated with a dry powder seed treatment or where hot water treatment is used.

MIXING

There are no Bayer CropScience recommendations for the use of EMESTO PRIME DS in conjunction with any seed tuber treatment.

COMPATIBILITY

Check with Bayer Crop Science or your supplier before use of any other chemical in sequence with EMESTO PRIME DS at planting.

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emestoprimesds

To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.bayercropscience.ie/sds/emestoprimesds.pdf

or alternatively contact your supplier

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Bayer