

Laminator 75WG

Contains 75% w/w mancozeb as a water dispersible granule.

A protectant fungicide for use against late blight on potatoes and tomatoes, scab on apple and downy mildew on vines.

Laminator 75WG

PRODUCT BENEFITS

- Multisite acting fungicide with no cases of resistance ever recorded.
- Spraying interval reducible to 7 days in tomatoes and potatoes.
- Mancozeb is an active of choice for resistance management in potatoes.
- Easy to use water dispersible granule formulation.

LERAP category: LERAP B

Pack size: 25 kg

Storage: STORE IN A DRY PLACE



Grow a better tomorrow.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE.

Crop	Maximum individual dose	Maximum no. of applications	Latest time of application
Potato	2.13 kg/ha	Eight per crop	Seven days before harvest
Tomato (outdoor)		Five per crop	Three days before harvest
Apple	3.2 kg/ha	One per year	35 days before harvest
Table grapes, Wine grapes	2.13 kg/ha	Two per year	28 days before harvest (low water volume) or 63 days before harvest (high water volume)

Other specific restrictions:

- Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making air-assisted applications to top fruit.
- A minimum interval of seven days must be observed between applications on potato and tomato.
- A minimum interval of 21 days must be observed between applications on table grapes and wine grapes.

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.

MAPP 15667

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

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.

LAMINATOR 75WG is a protectant fungicide of the ethylenebisdithiocarbamate (EBDC) group. Application must be made before the disease challenge occurs. If disease is already present in a crop then a suitable eradicant fungicide must be used to control it.

POTATOES

LAMINATOR 75WG will give control of potato late blight, *Phytophthora infestans*.

Time of application

Areas of high blight risk – first spray

Spray before the foliage meets across the rows, often mid-June, and before blight enters the crop. However, if a blight warning is issued for the area, spray immediately.

Areas of lower blight risk – first spray

Spray immediately when a blight warning is issued.

Second and subsequent sprays

Once the blight programme has been started, make repeat applications at 10–14 day intervals. Apply at the shorter interval as long as the blight threat remains high. If wet weather is forecast for the time when the next spray is due, the spray interval may be reduced to seven days. Regard irrigated crops as being at high risk to blight. Spray shortly after irrigation when the foliage has dried.

Rate of use

2.13 kg/ha in 200–1000 l/ha water.

Application

Apply as a FINE spray (BCPC) at 3–3.5 bar to obtain good coverage of the leaves and stems. When the haulm is dense use the highest recommended water volume. Apply to dry foliage.

Max. number of applications: eight per crop.

Pre-harvest interval: seven days.

TOMATOES (OUTDOOR)

LAMINATOR 75WG will give control of tomato late blight, *Phytophthora infestans*.

LAMINATOR 75WG should be used in sequence or alternation with other fungicides having a different mode of action in order to reduce the risk of development of fungicide resistance to other products.

Time of application

Apply when disease symptoms first appear and repeat at 7–10 day intervals. However, if a blight warning is issued for the area, spray immediately.

Rate of use

2.13 kg/ha in 500–1000 l/ha water.

Application

Max number of applications: five per crop.

Pre-harvest interval: three days.

APPLES

LAMINATOR 75WG will give control of apple scab *Venturia inaequalis*.

LAMINATOR 75WG should be used in sequence or alternation with other fungicides in order to reduce the risk of development of fungicide resistance for other fungicides.

LAMINATOR 75WG may be harmful to *Typhodromus pyri*. The use of LAMINATOR 75WG in orchards where integrated control is practiced should be avoided.

CONSULT PROCESSORS BEFORE USE ON APPLES DESTINED FOR PROCESSING Effects on cider making have not been fully tested.

Time of application

Spray according to scab forecasting programme.

Application

The maximum number of applications is restricted to one application per season between bud swelling and fruit about 90% of final size (BBCH 51–79).

Rate of use

3.2 kg/ha in 700–1500 l/ha water.

Max number of applications: one per year.

Pre-harvest interval: 35 days before harvest.

GRAPES

LAMINATOR 75WG will give moderate control of scab and moderate control of downy mildew, *Plasmopara viticola*, on grapes. Where necessary, other fungicides may have to be used.

LAMINATOR 75WG should be used in sequence or alternation with other fungicides having a different mode of action in order to reduce the risk of development of fungicide resistance to other products.

Time of application

Spray according to a forecasting programme. However, if a disease warning is issued for the area, spray immediately.

Application

Spray from first leaf unfolding until the majority of berries are touching (BBCH 11–79), normally from April until October. A minimum time between applications of 21 days must be observed.

Rate of use

2.13 kg/ha in 500–1000 l/ha water.

Max number of applications: two per year.

Pre-harvest interval: 28 days for low water volumes; 63 days for high water volumes.

MIXING AND APPLICATION

Cream the required quantity of LAMINATOR 75WG with a little water in a clean container. Dilute further with water.

Transfer the mixture to the spray tank already half-filled with water and with the agitation in action.

Fill the spray tank with water to the required level. Continue agitation before and during use. Spray immediately after mixing.

Apply the spray mixture to dry foliage as a FINE-MEDIUM spray (BCPC definition) as directed.

COMPANY ADVISORY INFORMATION

This section is not part of the product label under the Plant Protection Products Regulations, but provides additional advice on the use of the product.

Notes

Avoid spray overlap or excessive application.

The best available application technique, which minimises off-target drift, should be used to reduce potential effects on non-target insects or other arthropods.

Allow foliage to dry before applying LAMINATOR 75WG after rainfall or irrigation.

Do not apply LAMINATOR 75WG if rain is expected within four hours of application.

It is important to keep containers tightly closed and stored in a cool, dry place.

Once the container has been opened the material should not be kept over from one season to the next.

Resistance

According to FRAC guidance potato blight is considered to be a disease with a moderate to high risk of developing resistance to fungicides. LAMINATOR 75WG is a multi-site contact fungicide and because of this the risk of resistance development is reduced, however it is in your interest and best practice to plan a programme of treatments using fungicides with different modes of action throughout the season for all crops.

LAMINATOR 75W

Contains 75% w/w mancozeb as a water dispersible granule.



WARNING

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of damaging the unborn child.

Very toxic to aquatic life with long lasting effects.

Obtain special instructions before use.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store locked up.

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 SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product.

* Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

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

IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 10 m (when applied to grapes) or 40 m (when applied to apples) of the top of the bank of a static or flowing

waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within five metres of the top of a ditch which is dry at the time of application. Aim spray away from water.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within five metres of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within one metre of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer or broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with HSE's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

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

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS.

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

EMPTY CONTAINER COMPLETELY and dispose of safely.

Laminator is a trademark of Interfarm UK Ltd.