



FORTUNA®

Contact fungicide with protective mode of action for control of Late blight on potatoes and *Phytophthora infestans* in protected tomatoes. Agria Mancozeb 80WP contains 800g/kg of the active ingredient mancozeb, formulated as a wettable powder

Name and address of the manufacturer: AGRIA SA, Asenovgradsko shose 4009, Plovdiv, Bulgaria, tel: + 359 2 91 50 500

Name and address of the distributor:

Registration number: 0797 of 2018

Net contents: 10.0 kg

Batch number:

Shelf life: 24 months from the date of producing

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



WARNING

H361D -Suspected of damaging the unborn child

H317 - May cause an allergic skin reaction.

H400 - Very toxic to aquatic life.

P202: Do not handle until all safety precautions have been read and understood

P261: Avoid breathing fume/gas/mist/vapours/spray

P280: Wear protective gloves / protective clothing / eye protection / face protection

P302+P352: IF ON SKIN: Wash with plenty of soap and water

P308+P313: If exposed or concerned: Get medical advice/attention

P333+P313: If skin irritation or a rash occurs: Get medical advice/attention

P363: Wash contaminated clothing before reuse

P391: Collect spillage

EUH208: Contains (hexamethylenetetramine). May cause an allergic reaction

EUH401: To avoid risks to human health and the environment comply with the instructions for use

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crops/situations	Max individual dose (kg/ha)	Max number of applications (kg/ha/year)	Latest timing
Potato	2	8	7 days before harvest

Other specific restrictions:

1. The spray concentration must not exceed 0.4 kg product per 100 L of water. The rate of product applied must not exceed 2.0 kg product per hectare irrespective of the water volume being used.

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

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 GLOVES AND SUITABLE RESPIRATORY 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 COSSH assessment shows they provide unequal or higher standard protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN 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 farmyards and roads

Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

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

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m 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 1 m of the top of a ditch which is dry at the time of application. **[DO NOT ALLOW**

DIRECT SPRAY from hand held sprayers to fall within 1 m of the top of the bank of a static or flowing water body]*. 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, either a LERAP must be carried out in accordance with CRD'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.

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**

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.

NOTES

Restrictions/Warnings

- **FORTUNA®** contains broad-spectrum fungicide – mancozeb
- Do not leave unused diluted product for a long time
- Make sure the measuring, mixing and handling is carried out in well-ventilated areas
- Do not contaminate surface waters with the chemical or used container.
- This product is classified as very toxic to aquatic organisms therefore surface water and ditches must not be contaminated with chemical or the used container.
- Care must be taken to ensure that cleaning does not occur near surface water. Avoid contamination via drains.
- Do not use the empty containers for any purposes

Re-entry period for livestock, to areas to be grazed:

A re-entry interval for livestock is not applicable as potatoes are not grazed.

Withholding period for animal feeding stuffs:

Potatoes would be used as a livestock feedstuff only at crop maturity / harvest and no further withholding period is required.

Waiting period between application and handling of treated products:

Treated crops should not be re-entered before spray deposits have dried.

RESISTANCE

Potato blight is of 'moderate to high risk of developing resistance to fungicides.

FORTUNA® 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.

CROP SPECIFIC INFORMATION

Potatoes

If the crop is grown under contract for processing it is recommended that the end user is consulted before use.

Pest

Control of Late blight (*Phytophthora infestans*) and Early blight (*Alternaria solani*).

Dose

2.0 kg/ha.

Water volume

200–400 L/ha

Timing

Applications must be made preventively as part of a Blight control programme with regard to Blight Infection Periods or local Blight warnings. In the absence of any warnings, applications should commence when the crop meets along the row. If a Blight warning is issued for the area, apply the first spray immediately, irrespective of the growth stage of the crop.

In common with all protectant fungicides, it is essential to spray **FORTUNA®** before Blight appears in the crop. For this reason a regular spraying programme should be carried out.

FORTUNA® is not a curative product so do not use if Blight is present in the crop.

In the event that extended application periods are caused through adverse climatic conditions it is recommended that alternative products with eradicant activity are used instead of or in addition to protectant materials.

Interval between applications

Minimum seven days.

Apply **FORTUNA®** on a 7–10 day spray interval, depending on disease pressure. As disease pressure and the risk of Late blight infection increases, the interval should be shortened.

Maximum number of applications

Eight per crop.

Latest time of application

Seven days before harvest.

Spray preparation.

Ensure that the application equipment is clean and correctly calibrated for the volume of application to be applied. Calculate the quantity of **FORTUNA®** to be used for each sprayer load and weigh out into a suitable container. Add a small quantity of water to the formulation and pre-cream before slowly adding to a half filled spray tank. Fill the sprayer to the correct volume. During mixing and spraying the solution must be continually agitated. When the spraying operation is completed clean the spraying equipment ensuring that there is no run-off to drains or surface water.

Conditions of supply.

The supplier guarantees that the product **FORTUNA®** is good quality and suitable for the control of diseases listed above if used in accordance with label instructions. However as the supplier has no control over product storage, handling, mixing or use which may affect levels of control achieved particularly when used under adverse weather conditions any warranties (statutory or otherwise) regarding quality of performance of the formulation are not applicable. In consequence no claims of or responsibility for failure of disease control, damage or injury to crops will be accepted by either the manufacturer or supplier.