

Penncozeb® WDG

Water dispersible granule (WDG) containing 75% w/w mancozeb.

For the control of Potato blight and Apple scab, and moderate control of *Septoria tritici* on wheat, reduction of Brown rust and Downy mildew on onions.

Penncozeb® WDG

PRODUCT BENEFITS

- Cost-effective control of Potato blight.
- Can play an important role in fungicide resistance management.
- Useful mixer for control of *Septoria tritici* and other diseases and can be used as part of a cereal disease control programme.

LERAP category: B

Pack size: 10 kg

Storage: STORE IN A DRY PLACE AND MAKE SURE THE BAG IS KEPT TIGHTLY CLOSED
KEEP AWAY FROM SPARKS AND NAKED FLAMES



IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE.

Crop	Maximum individual dose	Maximum number of treatments	Latest time of application
Apples pre-blossom	2.5 kg/ha. See other specific restrictions	Four per crop	28 days before harvest
Apples post-blossom	2.0 kg/ha		
Winter and spring wheat		Three per crop	BBCH 65
Potatoes	1.7 kg/ha	Eight per crop	Seven days before harvest
Bulb onions	2.0 kg/ha	Four per crop	28 days before harvest

Other specific restrictions:

- The spray concentration for use on apples must not exceed 2.5 kg product in 500 litres (0.375 kg as/hl).
- A minimum interval of seven days must be observed between applications to potatoes, apples, and onions.
- A minimum interval of 21 days must be observed between applications to wheat.

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 14719

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.

CROP SPECIFIC INFORMATION

Potatoes – control of Potato blight

Dose

Apply 1.7 kg PENNCOZEB® WDG in at least 200 litres of water per hectare.

Timing

Areas of severe Potato blight infection*

Apply the first spray before the haulm meets across the rows or as soon as a blight warning is received, whichever occurs first.

Repeat every 10 days until the haulm is burnt off.

A seven day spray interval may be used under exceptional circumstances where for instance, blight risk is already high and rain is forecast at the time the next spray is due.

Areas where Potato blight is less common and less severe

Apply the first spray when a blight warning is issued. Further application should be made at 10–14 days intervals for as long as blight conditions persist, until the haulm is burnt off.

* Irrigated crops for 10 days after burning off.

IN ALL CASES EFFICIENT SPRAYING TO GIVE COMPLETE COVERAGE OF FOLIAGE IS ESSENTIAL.

Apples – control of Scab

Pre-blossom applications

Dose

2.5 kg in 500–1000 litres water per hectare.

Post-blossom applications

Dose

2.0 kg in 500–1000 litres water per hectare.

Timing

Start spraying at bud burst and repeat sprays at 7–10 days intervals until the end of June, or later if necessary.

The safety of PENNCOZEB® WDG on parasites and predators used in integrated control systems has not been established and safety cannot be assumed.

Winter and spring wheat – for moderate control of *Septoria tritici* on wheat, reduction of Brown rust on wheat

Dose

2.0 kg in 200–600 litres water per hectare.

Maximum number of treatments is three per crop.

Timing

Apply from the start of stem extension at 10–14 days intervals depending on disease incidence, and before the disease becomes established. Spray for *Septoria tritici* when a ‘wet period’ is recorded from growth stage 32 onwards and spray for brown rust from growth stage 39 onwards.

ONIONS – control of downy mildew

Start spraying at disease onset and repeat a seven day intervals.

Use 2.0 kg minimum spray volume 300 litres per hectare. Water volume 300–1000 litres.

DISEASES MODERATELY CONTROLLED recommendations and timing of application

Crop	Diseases moderately controlled	Recommended PENNCOZEB® WDG dose rate	Timing of application
Wheat	Reduction of Brown rust <i>Septoria tritici</i>	PENNCOZEB® WDG alone 2.0 kg per hectare	Before the onset of disease

HARVESTING INTERVALS

Potatoes: seven days.

Cereals: before mid flower BBCH 65.

Apples: 28 days.

Onions: 28 days.

MIXING AND SPRAYING

Half fill the sprayer tank with clean water. Commence agitation. Steadily add the recommended quantity of PENNCOZEB® WDG direct to the spray tank. Premixing is not necessary. Complete filling and agitate the solution before spraying commences. Maintain agitation during spraying.

PENNCOZEB® WDG

A water dispersible granule containing 75% w/w mancozeb.



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

MAY CAUSE SENSITISATION BY INHALATION AND SKIN CONTACT.

POSSIBLE RISK OF HARM TO THE UNBORN CHILD.

VERY TOXIC 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 FEEDSTUFFS.

DO NOT BREATHE DUST.

AVOID CONTACT WITH SKIN.

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.

WEAR SUITABLE PROTECTIVE CLOTHING AND SUITABLE GLOVES.

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

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.

To avoid risks to man 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:

OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (disposable filtering facepiece respirator to at least EN 149 FFP2 or equivalent) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

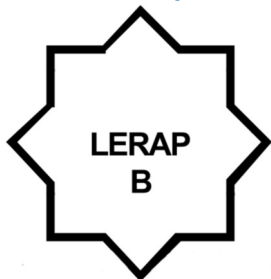
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND PROTECTIVE GLOVES when applying by handheld equipment.

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

Spray equipment must only be used where the operators 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.

When using do not eat, drink or smoke.
Do not breathe dust.
Wear suitable protective clothing and gloves.

Environmental protection



Since this product is harmful to fish or other aquatic life, surface water or ditches must not be contaminated with chemical or used container. Do not clean application equipment near surface water.

Avoid contamination via drains from farmyards and roads.

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 Pesticides Safety Directorate'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

Store in dry conditions and make sure that the bag is kept tightly closed when not in use. Keep away from sparks and naked flames.

Keep out of reach of children.

Keep away from food, drink and animal feedstuffs.

Do not empty into drains; dispose of this material and its container in a safe way.

Keep only in original container.

Penncozeb is a trademark of Cerexagri.