



To access the Safety Data Sheet for this product scan the code, visit <https://www.corteva.ie/content/dam/dpagco/corteva/ie/en/files/sds/ZORVEC-ENICADE-IRL-SDS.pdf> or alternatively contact your supplier



# Zorvec Enicade®

FUNGICIDE

GROUP 49 FUNGICIDE



### 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), RUBBER BOOTS, SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.  
WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces or applying the product.  
WASH CONCENTRATE from skin or eyes immediately.  
DO NOT BREATHE SPRAY.  
WHEN USING DO NOT EAT, DRINK OR SMOKE.  
WASH HANDS AND EXPOSED SKIN before meals and after work.  
IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

#### 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).



Batch No: see on the pack

**MANDATORY REQUIREMENT:  
THIS AREA MUST BE BLANK  
(for 2D Data Matrix, Lot Nr.,  
Manufacturing Date ...)**

PCS No. 05608

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Aerial dispersion fungicide containing 100 g/l oxathiapiprolin for the control of late blight in potatoes and downy mildew in garlic, shallots and onions.

### FOR PROFESSIONAL USE ONLY

Manufactured in the EU

#### Authorisation holder:

Corteva Agriscience UK Limited  
CPC2 Capital Park, Fulbourn, Cambridge,  
CB21 5XE - Telephone: + 44 1462 457272  
Technical enquiries: +44 800 6898899 or  
email: [ukhotline@corteva.com](mailto:ukhotline@corteva.com)

24 Hour Emergency Telephone Number:  
076 680 5288  
National Poison Centre (Dublin):  
01 8092166  
National Poisons Information Service;  
Tel (01) 837 9964 or (01) 809 2166

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UFI: A2PA-T01S-H004-HFDG

#### Safety Information

ZORVEC ENICADE®

Contains 100g/l oxathiapiprolin

May cause an allergic skin reaction.

Toxic to aquatic life with long-lasting effects.

Avoid breathing spray.

Wear protective gloves / protective clothing /

eye protection / face protection.

Do not eat, drink or smoke when using this product.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or a rash occurs: Get medical advice / attention.

Wash contaminated clothing before reuse.

Collect spillage.

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed 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



WARNING



PCS No. 05608

### IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

Crop	Max. Individual Dose	Max. No. of applications	Latest time of Application
Potato	0.15 L/ha	4 per crop	7 days pre-harvest*
Onion, Garlic, Shallot	0.2 L/ha	3 per crop	7 days pre-harvest

Method of application: Tractor mounted / trailed sprayer  
\* See Directions for Use

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE PRINCIPLES OF GOOD PLANT PROTECTION PRACTICE**



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Non-printed area on page 2 ONLY (on the back of «Label A-code + Barcode area»)

Non-printed area on page 2 ONLY (on the back of 2D code area printed on the front page)

**Storage and disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

KEEP OUT OF REACH OF CHILDREN.

EMPTY CONTAINER COMPLETELY and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

**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.

**RESTRICTIONS**

- Avoid application to any crop suffering from stress as a result of drought, waterlogging, low temperatures, nutrient or lime deficiency or other factors reducing crop growth.
- ZORVEC ENICADE must only be applied in tank mixture with other fungicides (see 'DISEASE CONTROL')
- On potatoes, a minimum interval of 7 days must elapse between application and initial haulm destruction and/or harvest, whichever comes first.
- The minimum interval between applications is 7 days

**DISEASE CONTROL**

ZORVEC ENICADE contains oxathiapiprolin, a foliar fungicide for control of Late blight (*Phytophthora infestans*) in potatoes and onions (*Peronospora destructor*). ZORVEC ENICADE should be used as part of a season long programme of correctly timed sprays commencing before disease infection. Application should be made to dry foliage.

**Potatoes**

ZORVEC ENICADE can be used on all varieties of early and maincrop potatoes. A season long disease control programme is required to limit blight development. This should include a haulm dessiccant. Crops should not be harvested until at least 7 days after all green tissue has died.

Apply preventatively before the first visible signs of disease in the crop. Commence treatment with ZORVEC ENICADE at the first blight warning or when local weather conditions are favourable for disease development. Applications should be repeated at 7-10 day intervals depending on disease pressure. As disease pressure increases, the interval should be shortened.

Apply ZORVEC ENICADE at 0.15 L/ha in tank-mix with a fungicide authorised for use on the crop and with an alternative mode of action (see 'RESISTANCE' and 'COMPATIBILITY' sections). ZORVEC ENICADE applications must not exceed more than 1/3<sup>rd</sup> of the total number of blight sprays applied to the crop in a season. No more than 3 applications of ZORVEC ENICADE may be applied consecutively.

**Onions, Garlic and Shallot**

ZORVEC ENICADE can be used on all varieties of onions from the 3-leaf stage of growth. Apply preventatively before the first visible signs of disease.

Apply ZORVEC ENICADE at 0.2 L/ha in tank-mix with a fungicide authorised for use on the crop and with an alternative mode of action (see 'RESISTANCE' and 'COMPATIBILITY' sections). No more than 2 applications may be applied consecutively.

**RESISTANCE**

Repeated use of products for control of specific plant pathogens may lead to the selection of resistant strains of fungi and result in a reduction of disease control. The mode of action of Oxathiapiprolin, the active ingredient in Zorvec Enicade, is novel and has been assigned the FRAC code 49. Oxathiapiprolin inhibits an oxysterol binding protein (OSBP) homologue. Oxysterol binding proteins are implicated in the movement of lipids between membranes, among other processes. Inhibiting OSBP may disrupt other processes in the fungal cell, such as signaling, maintaining cell membranes, and the formation of more complex lipids that are essential for the cell to survive. A disease management

program that includes rotation and/or tank mixing with fungicides with a different mode of action is essential to reduce the risk of fungicide resistance development. For guidance on a particular crop and disease control situation, consult your country/state extension specialist or official country/state recommendations. Zorvec Enicade must always be used in mixture with another fungicide product from a different cross resistance group. The mixture partner must be recommended for control of the same target disease and must be applied at a dose that will give robust control. See 'COMPATIBILITY' section.

Exposure to Zorvec Enicade (or any other FRAC 49-containing product) should not exceed thirty-three percent (33%) of the total period of protection needed per crop. When three (3) or more fungicide applications are made to the same crop, use Zorvec Enicade (or any other FRAC 49-containing product) in no more than 33% of the total number of fungicide applications. Do not exceed with a maximum of four (4) applications of Zorvec Enicade (or any other FRAC 49-containing product) per crop.

Where less than three (3) fungicide applications are made, make no more than one (1) application of Zorvec Enicade (or any other FRAC 49-containing product). Zorvec Enicade applications are to be made preventively.

Apply Zorvec Enicade (or any other FRAC 49-containing product) no more than three (3) times in sequence before applying a fungicide with a different mode of action.

Where a fungicide with a different mode of action follows Zorvec Enicade (or any other FRAC 49-containing product) application(s), this fungicide preferably should have curative activity.

No foliar fungicide application of oxathiapiprolin-based fungicides (or any other FRAC 49-containing product) should be made following either a seed or soil treatment application of oxathiapiprolin.

#### MIXING

Spraying equipment should be thoroughly cleaned before spraying. ZORVEC ENICADE mixes easily with water and should be added directly to the spray tank during filling. Wash out container and add washings to the spray tank. Continue agitation until spraying is complete.

#### WATER VOLUME AND APPLICATION

Apply ZORVEC ENICADE in at least 200 L water/hectare using a MEDIUM quality spray (as defined by BCPC) to give good even coverage of the crop. Higher water volumes should be used in dense crops to improve coverage.

#### COMPATIBILITY

ZORVEC ENICADE must be tank mixed with a product containing one or more of the following active ingredients;

- Fluazinam
- Cyazofamid
- Mandipropamid
- Amisulbrom

For details on compatibilities contact your distributor or Corteva technical hotline on +44 (0) 800 689 8899 or ukhotline@corteva.com

#### SPRAY TANK CLEANING

Immediately after application, completely drain spray equipment. Thoroughly rinse sprayer and flush the hoses, boom nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and strainers. Flush the entire system with clean water. Take all necessary safety precautions when cleaning equipment. Do not clean near wells or water sources. Consult label tank cleanup procedures for all tank-mix partners and be sure to use the most rigorous procedure recommended. Dispose of waste rinse water in accordance with local regulations.

#### COMPANY ADVISORY INFORMATION

The following information does not form part of the product label under the UK plant protection products regulations and provides additional advice on product use at the discretion of Corteva Agriscience.

#### TRADEMARK ACKNOWLEDGEMENTS

Zorvec is a trademark of Corteva Agriscience and its affiliated companies. All other brand names are trademarks of other manufacturers for which proprietary rights may exist.

#### Corteva Agriscience Conditions of Supply

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, 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.

Since the occurrence of resistance cannot be forecast, neither Corteva Agriscience nor its distributors can accept responsibility for any loss or damage to crops caused by the failure of ZORVEC ENICADE to control resistant strains.

*All trademarks duly acknowledged.*