



# Zorvec Endavia®



## FUNGICIDE

GROUP 40 + 49 FUNGICIDES

PCS No. 06222

An oil dispersion fungicide containing 70 g/L benthialavalcab and 30 g/L oxathiapiprolin for the control of late blight in potatoes and downy mildew in onions, garlic and shallots.

IMPORTANT INFORMATION  
FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

Crop	Max. Individual Dose	Max. no. of applications	Latest time of Application
Potato	0.4 L/ha	4 per crop	7 days pre-harvest*
Onion, Garlic, Shallot	0.5 L/ha	5 per crop	28 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**

FOR PROFESSIONAL USE ONLY

Authorisation holder:  
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affiliated companies.



Batch No: see on the pack



### WARNING

#### Safety Information

##### ZORVEC ENDAVIA

Contains 70 g/L benthialavalcab and 30 g/L oxathiapiprolin.

**May cause an allergic skin reaction.**

**Suspected of causing cancer.**

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

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 PCS No. 06222**

24 Hour Emergency Telephone Number: 076 680 5288  
or email:ukhotline@corteva.com  
National Poison Centre (Dublin): 01 8092166  
National Poisons Information Service;  
Tel (01) 837 9964 or (01) 809 2166  
Manufactured in the EU

**SHAKE WELL BEFORE USE**

**NET CONTENTS: 5 L e**

## **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**

To protect aquatic organisms respect an unsprayed buffer zone of 1m to surface water bodies.

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**

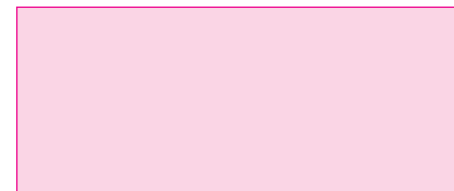
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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.
- 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 ENDAVIA combines two active ingredients: oxathiapiprolin and benthiavalicarb with different modes of action. Oxathiapiprolin is listed by FRAC Fungicide Resistance Action Committee (FRAC) as Code 49. Benthiavalicarb is a Carboxylic Acid Amides (CAA) fungicide, classified under FRAC Code 40.

ZORVEC ENDAVIA 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 ENDAVIA 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 dessicant. 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 ENDAVIA 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 ENDAVIA at 0.4 L/ha. No more than 3 applications of ZORVEC ENDAVIA may be applied consecutively.

#### **Onions, Garlic and Shallot**

ZORVEC ENDAVIA 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 ENDAVIA at 0.5 L/ha. No more than 2 applications may be applied consecutively.

### RESISTANCE

ZORVEC ENDAVIA contains the active ingredients oxathiapiprolin (an OSBPI fungicide in FRAC Code 49) and benthiavalicarb (a CAA fungicide in FRAC Code 40).

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. 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. The maximum number of recommended applications of ZORVEC ENDAVIA for each crop should not be exceeded. ZORVEC ENDAVIA should be used preventatively and incorporated into spray programs that include effective fungicides with differing modes of action.

- Exposure to Zorvec Endavia (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, use Zorvec Endavia (or any other FRAC 49-containing product) in no more than 33% of the total number of fungicide applications with a maximum of four (4) applications per crop. Where less than three (3) fungicide applications are made, make no more than one (1) application of Zorvec Endavia (or any other FRAC 49-containing product).
- Apply FRAC 49-containing products 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 Endavia (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.

- No more than three consecutive applications of a CAA fungicide (FRAC code 40) should be made.

Please refer to Fungicide Resistance Action Committee (FRAC) guidelines for further details and always ensure good resistance management practice is followed to reduce the incidence of resistance developing.

### MIXING

Spraying equipment should be thoroughly cleaned before spraying. ZORVEC ENDAVIA 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 ENDAVIA 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**

For details on compatibilities contact your distributor or Corteva technical hotline on +44 (0) 800 685 8899 or [ukhotline@corteva.com](mailto: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.

#### **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 ENDAVIA to control resistant strains.

*All trademarks duly acknowledged.*

SPECIMEN  
2022 to date