

# VENDETTA

A Suspension Concentrate formulation containing 375 g/L (30% w/w) Fluazinam and 150 g/L (12% w/w) Azoxystrobin.

VENDETTA is a foliar fungicide for the control of foliar early blight (*Alternaria sp.*) and foliar late blight (*Phytophthora infestans*) in potato crops.

## IMPORTANT INFORMATION

### FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

Crops	Maximum Individual Dose (litres product/ha)	Max No. of treatments per crop (min application interval)	Latest time of application
Potato	0.5 l/ha	7 days	7 days before harvest
The following Aquatic Buffer Zones must be observed:			
Crops/situations:	Aquatic buffer zone distance (metres):		Comment:
Potato	7		See Environmental Protection phrases (UK only)
Potato	5		(E only)

Contains 1,2-benzisothiazol-3(2H)-one, Propylene glycol and Sodium alkylnaphthalene sulphonateformaldehyde condensate.

**May cause an allergic skin reaction.**

**Suspected of damaging the unborn child.**

**Very toxic to aquatic life with long lasting effects.**

## Warning

Avoid breathing vapours.

Avoid release to the environment.

Wear protective gloves and protective clothing.

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

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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).

Keep out of reach of children.

If medical advice is needed, have product container or label at hand.

If exposed or concerned: Get medical advice/attention.

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

Wash hands thoroughly after handling.

Collect spillage.

**To avoid risks to human health and the environment, comply with the instructions of use.**

**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.**

**PROTECT FROM FROST**

**Net Contents: 5 litres**

Batch Number: See neck of the bottle



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Product registration No.  
MAPP 17500/ PCS 05227

10043740

## DIRECTIONS FOR USE

Important: The information in this leaflet 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.

Apply VENDETTA under good growing conditions with adequate soil moisture. Avoid poor growing conditions which may give less reliable results.

## RESISTANCE MANAGEMENT

VENDETTA contains two active ingredients. Fluazinam is primarily active against late potato blight, and azoxystrobin is primarily active against early potato blight.

The mode of action of Fluazinam is multisite, disrupting energy production in the fungus. It has little curative or systemic activity, but good protectant and residual effects. Fluazinam is classified by the Fungicide Resistance Action Committee (FRAC) as Group C5, this consists of a range of compounds with multi-site contact activity, including the uncoupling of oxidative phosphorylation.

Azoxystrobin has protectant, curative, eradicator, translaminal and systemic properties. It inhibits spore germination and mycelial growth, and also shows anti sporulant activity. Azoxystrobin is classified by the Fungicide Resistance Action Committee (FRAC) as Group C3, this consists of a wide range of compounds which inhibit cytochrome bc1 at the Quinone outside site (Qol fungicides).

VENDETTA contains azoxystrobin, a Qol fungicide. To minimise the risk of resistance to Qols developing in potato early and late blight, VENDETTA must be used in accordance with the following resistance management strategy. Fungicides containing a Qol should make up no more than half the total fungicide applications applied to a crop, or a maximum of 6 Qol fungicide applications, whichever is the lower. Do not use more than 3 consecutive Qol-containing sprays.

Failure to follow resistance management action may result in reduced levels of disease control. Disease control may be reduced if strains of pathogens less sensitive to VENDETTA develop. VENDETTA contains azoxystrobin, a Qol fungicide. To minimise the risk of resistance to Qols developing in potato early and late blight, VENDETTA must be used in accordance with the following resistance management strategy. Fungicides containing a Qol should make up no more than half the total fungicide applications applied to a crop, or a maximum of 6 Qol fungicide applications, whichever is the lower. Do not use more than 3 consecutive Qol-containing sprays.

## RECOMMENDATIONS FOR USE IN POTATO CROPS

Always inspect crops to assess disease development immediately before spraying.

VENDETTA contains fluazinam which is a protectant fungicide; therefore applications must begin prior to blight development. The first application of VENDETTA should be applied at the first blight warning or when local weather conditions are favourable for disease development, whichever is the sooner. In the absence of weather conducive to disease development, the first application should be made just before the crop meets in the rows.

### Application Timing and Diseases Controlled:

Use VENDETTA from the formation of basal side shoots (BBCH 20) up to leaves and stem dead, stems bleached and dry stage (BBCH 97) for the control of early blight *Alternaria* sp. and late blight (*Phytophthora infestans*) in potato crops. The maximum number of applications to any potato crop is three per crop. The interval between fungicide applications should be 7-14 days depending on disease pressure.

Rate of Applications: 0.5 litre/ha.

Volume of Water: Use 200 - 400 litres of water/ha.

## PREPARATION OF SPRAYING SOLUTION

Half fill the spray tank with clean water and start the agitation. Shake the container well before opening and pour in the required amount of product. Rinse empty containers thoroughly three times with water and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying is completed. When tank mixes are to be used, each product should be added separately to the spray tank, taking due note of any instructions given as to the order of mixing. Spray solutions should be used as soon as practicable after mixing.

## TANK WASHING PROCEDURE

After spraying, wash out sprayer thoroughly and dispose of washings according to DEFRA Code of Practice and local water authority guidelines.

## PHYTOTOXICITY

The product is normally not phytotoxic at the recommended uses and application rates, if the instructions on the label are followed.

Certain apple varieties are highly sensitive to VENDETTA. As a precaution VENDETTA should not be applied when there is a risk of spray drift onto neighbouring apple crops. Spray equipment used to

apply VENETTA to other crops should not be used to treat apples.

Do not apply VENETTA to any crop suffering from stress or likely to suffer from stress in the immediate future, particularly if this is due to water deficit, frost or herbicide damage.

### COMPATIBILITY

For information on tank mixing please contact your Headland distributor or refer to the Headland web-site ([www.headland-ag.co.uk](http://www.headland-ag.co.uk)).

### SAFETY PRECAUTIONS

#### a. Operator Protection (UK only)

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product.

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

When using do not eat, drink or smoke.

Do not re-enter treated areas/crops before the spray deposit is completely dry.

#### b. Environmental Protection

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies (IE only).

Crops with > 5m buffer zone (UK only):

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. ALL CROPS WITH A BUFFER ZONE GREATER THAN 5M ARE NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

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 as appropriate to the crop must be maintained. NOTE ALL BUFFER ZONES OF MORE THAN 5M ARE NOT REDUCIBLE.

The results of the LERAP must be recorded and kept available for three years.

Do not contaminate surface waters or ditches with chemical or used container

#### c. Other specific restrictions (UK only):

When used on crops with a greater than 5m aquatic buffer zone this product must not be applied via hand-held equipment.

#### d. Storage and Disposal

Store in its original container in cool, dry and well ventilated place. Products should be kept away from frost and temperature should not exceed 25°C.

Shake the container well before opening and use.

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