



# Orondis<sup>®</sup> Vip

syngenta<sup>®</sup>

GROUP **4** | **49** FUNGICIDES



Product registration number: MAPP 21443

Orondis<sup>®</sup> Vip is a Dispersible Concentrate containing 174.4 g/L of metalaxyl-m and 30 g/l oxathiapiprolin.

Orondis<sup>®</sup> Vip is a fungicide used against oomycetes for the control of *Bremia lactucae* on lettuce, baby leaves, chicory, endive, escarole, Lamb's lettuce, rocket (outdoor and protected); *Peronospora farinosa* f. sp. spinaciae on spinach; *Peronospora destructor* and *Phytophthora porri* on garlic, leeks, onions, shallot and spring onion; *Peronospora* spp. on broccoli, Brussels sprout, cauliflower, cabbage and downy mildew on herbs and edible flowers.

## SAFETY PRECAUTIONS

### (a) Operator protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand-held equipment outdoors.

Vehicle mounted or trailed horizontal boom sprayers must only be used where the operator's normal working position is within a closed cab with a suitable in-cab filtration system\* or suitable respiratory protective equipment\*\* must be worn during application in protected situations.

\*Closed cabin meeting at least EN 15695 category 3

\*\*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

Other 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 contact with treated foliage is unavoidable during application in protected situations.

However, other engineering controls in addition to those specified above may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

Workers must wear suitable protective clothing in which arms, body and legs are fully covered when re-entering protected treated areas, handling treated protected crops or contaminated surfaces within 2 weeks post treatment.

# 5 litres

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).

### (b) 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.

### (c) Storage and Disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

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

### Authorisation holder and Marketing Company

Syngenta UK Ltd

Jealott's Hill International Research Centre, Bracknell, Berkshire, RG42 6EY

Tel: Cambridge (01223) 883400

In case of toxic or transport emergency ring 01484 53844 (24hr)

PROTECT FROM FROST.

SHAKE WELL BEFORE USE.



This product label is compliant with the CPA Voluntary Initiative (VI) guidance.

Product names marked © or ™, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

L1143218 GBRI/09D PPE 4241229

**ORONDIS® VIP**

A dispersible concentrate containing 174.4 g/L of metalaxyl-m and 30 g/L oxathiapiprolin.

**Danger**

**May cause an allergic skin reaction.**

**Causes serious eye damage.**

**Toxic to aquatic life with long lasting effects.**

Avoid breathing mist or vapours.

Wear protective gloves/ eye protection/ face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.

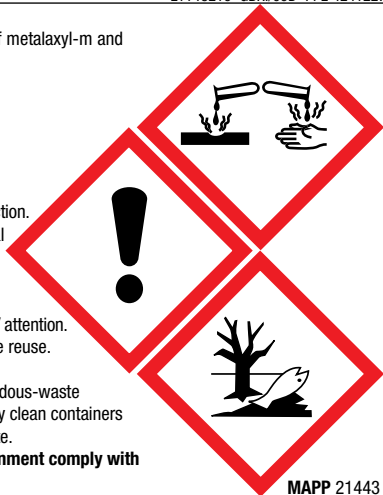
If skin irritation or rash occurs: Get medical advice/ attention.

Take off contaminated clothing and wash it before reuse.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except 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.**



MAPP 21443

**IMPORTANT INFORMATION - FOR USE ONLY AS A PROFESSIONAL FUNGICIDE**

Crop	Maximum individual dose (L/ha)	Maximum total dose (L/ha)	Maximum number of treatments (per crop)	Minimum spray interval (days)	Latest time of application (PHI)
Outdoor and protected Lettuce, Baby leaves, Chicory, Endive, Escarole, Lamb's lettuce, Rocket	0.5	1	2 per year in the same field.	7 days	10 days
Spinach	0.5	1	2	7	10 days
Garlic, Onions, Shallots	0.5	1	2	7	14 days
Leeks, Spring, welsh and green onions	0.5	1	2	12-14	14 days
Brussels sprout, Cauliflower, Cabbage, Broccoli	0.5	1	2	10	20 days
Herbs, Edible flowers	0.5	1	2 per year in the same field.	7	10 days

**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.**

IMPORTANT: Note that goods treated under the terms of this Great Britain (GB) authorisation can be legally marketed in Northern Ireland if they are being moved under the Northern Ireland Retail Movement Scheme. All other treated goods can only be marketed in Northern Ireland if they are in accordance with the statutory EU Maximum Residue Level (MRL) set under Regulation (EC) No 396/2005. This may also apply to residues in animal products where treated crops are fed to livestock. Growers are advised to draw this to the attention of distributors and retailers so that EU MRL breaches and any associated enforcement against goods marketed in Northern Ireland are avoided.

This product must be sold and used only in England, Scotland and Wales.

This leaflet is part of the approved Product Label.

## **DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

## **GENERAL INFORMATION**

Orondis® Vip is a fungicide used against oomycetes for the control of *Bremia lactucae* on lettuce, baby leaves, chicory, endive, escarole, Lamb's lettuce, rocket (outdoor and protected); *Peronospora farinosa* f. sp. *spinaciae* on spinach; *Peronospora destructor* and *Phytophthora porri* on garlic, leeks, onions, shallot and spring onion; *Peronospora spp.* on broccoli, Brussels sprout, cauliflower, cabbage and downy mildew on herbs and edible flowers.

## **RESTRICTIONS**

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

## **DISEASES CONTROLLED**

### **Outdoor and protected Lettuce, Baby leaves, Chicory, Endive, Escarole, Lamb's lettuce, Rocket**

*Bremia lactucae*

### **Spinach**

*Peronospora farinosa* f.sp. *spinaciae* [Moderate control]

### **Garlic, Onions, Shallots, Leeks, Spring onions**

*Peronospora destructor*

*Phytophthora porri* [Moderate control]

### **Brussels sprout, Cauliflower, Cabbage, Broccoli**

*Peronospora spp.* [Moderate control]

### **Herbs, Edible flowers**

Downy mildew

## **RESISTANCE MANAGEMENT**

Repeated and exclusive use of Orondis® Vip or other FRAC Group 4 and 49 fungicides may lead to the development of fungi resistant populations. Maintaining the longevity of Orondis® Vip as an effective disease control tool for growers is critical, thus a fungicide resistance management (FRM) strategy should be established in the area of use, as followed:

- Applications of Orondis® Vip must be applied according with the label recommendations and can be made in alternation with products containing different cross-resistance group with satisfactory efficacy against the targeted pathogen(s).

- The application of a registered fungicide not in the FRAC Groups 4 and 49 and effective on the target diseases will provide an acceptable rotation partner for Orondis® Vip.
- Exposure to Orondis® Vip (or any other FRAC 49-containing product) should not exceed thirty-three percent (33%) of the total period of protection needed per crop with a maximum of 2 applications of Orondis® Vip per crop.
- Do not use more than 4 applications of oxathiapiprolin (or any other fungicide containing active ingredient belonging to FRAC 49 classification per crop per season. Where fewer than three (3) fungicide applications are made, make no more than one (1) application of Orondis® Vip (or any other FRAC 49-containing product).
- Application of OSBPI fungicides to be made no more than three times in sequence before applying a fungicide of a different MoA.
- The number of phenylamide applications (FRAC 4 containing product) should be limited to two to four applications per crop and year.
- Orondis® Vip applications are to be made preventively.
- Orondis® Vip (or any Phenylamide containing product) sprays are recommended early season or during the period of active vegetative growth of the crop.
- Apply Orondis® Vip (or any other FRAC 4-containing product) no more than two (2) times in sequence before applying a fungicide with a different mode of action. Application interval should not exceed 14 days or shorter in cases of high disease pressure. Non-FRAC 4 fungicides may be used between applications without affecting the sequence limit.
- In case of multicrops, do not use more than six (6) applications of oxathiapiprolin (or any other fungicide containing active ingredient belonging to FRAC 49 classification) per year in the same area for the same pathogen.
- In cases where a FRAC 49 fungicide is used in seed treatment or soil application, foliar application of Orondis® Vip should not be carried out (or any other fungicide containing active ingredient belonging to FRAC 49 classification).
- Orondis® Vip (or any other FRAC 49-containing product) must not be used in nursery production of transplanted crops.

For detailed information about restrictions for the use of each mode of action of Orondis® Vip inside a treatment program, specific FRAC guidelines of Code Groups 4 and 49 need to be consulted. The most critical of both chemical class guideline has to be followed as a direction for the use of Orondis® Vip into the treatment programs. <https://www.frac.info/>

## **CROP SPECIFIC INFORMATION**

### **Outdoor and protected Lettuce, Baby leaves, Chicory, Endive, Escarole, Lamb's lettuce, Rocket** **Rate of Use**

Apply Orondis® Vip at 0.5 litre per hectare up to two applications per crop. Do not apply more than two applications in the same field per year. A minimum interval of 7 days must be observed between applications.

*Baby leaves:* Apply between BBCH growth stages 10 (Cotyledons completely unfolded: growing point or true leaf initial visible) and 49 (Typical size, form and firmness of heads reached).

Chicory, Endive, Escarole, Lamb's Lettuce, Lettuce, Rocket: Apply between BBCH growth stages 12 (2nd true leaf unfolded) and 49 (Typical size, form and firmness of heads reached).

### **Spinach**

#### **Rate of Use**

Apply Orondis® Vip at 0.5 litre per hectare up to two applications per crop. Apply between BBCH growth stages 12 (2nd true leaf unfolded) and 49 (Typical leaf mass reached). A minimum interval of 7 days must be observed between applications.

### **Garlic, Onions, Shallots**

#### **Rate of Use**

Apply Orondis® Vip at 0.5 litre per hectare up to two applications per crop. Apply between BBCH growth stages 14 (4th leaf (> 3cm) clearly visible) and 48 (Leaves bent over in 50% of plants). A minimum interval of 7 days must be observed between applications.

### **Leeks, Spring onions (including welsch and green onion)**

#### **Rate of Use**

Apply Orondis® Vip at 0.5 litre per hectare up to two applications per crop. Apply between BBCH growth stages 14 (4th leaf (> 3cm) clearly visible) and 48 (Leaves bent over in 50% of plants) (For leeks: Growth complete; length and stem diameter typical for variety reached). A minimum interval of 12-14 days must be observed between applications.

### **Brussels sprout, Cauliflower, Cabbage, Broccoli**

#### **Rate of Use**

Apply Orondis® Vip at 0.5 litre per hectare up to two applications per crop. Apply between BBCH growth stages 15 (5th true leaf unfolded) and 49 (Typical size and form reached; head tightly closed) (For Brussels sprouts: Sprouts below terminal bud tightly closed). A minimum interval of 7-10 days must be observed between applications.

### **Herbs, Edible flowers**

#### **Rate of Use**

Apply Orondis® Vip at 0.5 litre per hectare up to two applications per crop. Do not apply more than two applications in the same field per year. Apply between BBCH growth stages 12 (2nd true leaf unfolded) and 49 (Typical leaf mass reached). A minimum interval of 7 days must be observed between applications.

### **MIXING AND SPRAYING**

Apply Orondis® Vip with conventional crop spraying equipment. The product is recommended to be applied in 200-800 litres of water per hectare using a medium quality spray (BCPC) at a pressure of at least 2 bar. Maintain agitation in the spray tank. Immediately after use, clean the spray equipment thoroughly. Drain the system completely and rinse spray tank, boom and nozzles at least twice with clean water until the foam and all traces of product have been removed.

To access the Safety Data Sheet for this product, scan QR code:



Alternatively, contact your supplier

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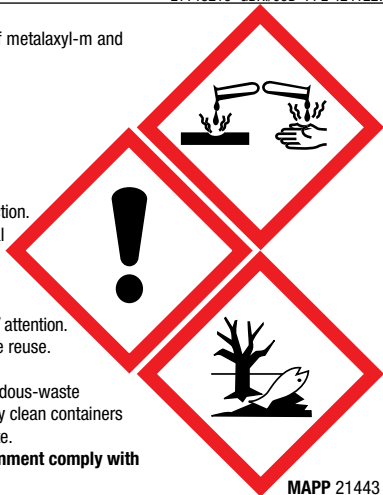
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