

Rovral® WG

MAPP 13811

A water dispersible granule containing 750 g/kg iprodione
A protectant fungicide for use on a range of horticultural and agricultural crops.

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

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 GLOVES AND FACE PROTECTION (FACESHIELD) when handling the product.

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

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible). WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS before meals and after work.

Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water / Avoid contamination via drains. 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 CRD's published guidance or the statutory buffer zone must be maintained. The results

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

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers for use on raspberry to fall within 15m of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water.

Storage and disposal
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

EMPTY CONTAINER THOROUGHLY and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

This label is compliant with the
CPA Voluntary Initiative Guidance

1 kg

UN 3077

Packing Group III

Environmentally hazardous substance, solid, N.O.S.
(contains iprodione 75%) Marine pollutant

Supplied by:

BASF plc
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Emergency Information:

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0049 180 2273112
Technical Enquiries:
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® = Registered trademark of BASF



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A water dispersible granule containing 750 g/kg iprodione

WARNING

CAUSES SERIOUS EYE IRRITATION.

VERY TOXIC TO AQUATIC LIFE

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

SUSPECTED OF CAUSING CANCER

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.

REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EXPOSED OR CONCERNED: GET MEDICAL

ADVISE/ATTENTION.

COLLECT SPILLAGE.

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATIONS.

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



This product is approved under the Plant Protection Products Regulations 2005.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE, as directed below:

CROPS	MAXIMUM INDIVIDUAL DOSE	MAXIMUM NUMBER OF TREATMENTS PER CROP	LATEST TIME OF APPLICATION
Winter and spring oilseed rape	0.67 kg/ha	1	7 weeks before harvest
Brussels sprout and cauliflower	0.67 kg/ha	3	14 days before harvest
Bulb onions	0.67 kg/ha	4	21 days before harvest
Salad onions	0.67 kg/ha	4	7 days before harvest
Tomato (protected)	57g per 100 litres water	5	2 days before harvest
Lettuce (protected)	33g per 100 litres water*	3	14 days before harvest
Lettuce (outdoor)	35g per 100 litres water*	3	21 days before harvest
Strawberry (outdoor and protected)	1 kg/ha	4	2 days before harvest
Raspberry (outdoor)	1 kg/ha	4	7 days before harvest
Brassica seed production crops**	0.67 kg/ha	3	14 days before harvest
Ornamental pot plants	67 g per 100 litres water	5	Not applicable

Other specific restriction: Cherry tomatoes must not be treated

* Lettuce (outdoor and protected): Do not exceed a volume of 1000 litres per hectare.

** Crops intended for sowing: cabbage, cauliflower, broccoli, mustard, fodder rape, turnip, swede, kohlrabi, stubble turnip and Chinese cabbage. Treated crop must not be used for human or animal consumption.

Use on raspberry must only be applied via broadcast air-assisted sprayers with the relevant buffer zone as detailed in the Environmental protection section.

The following minimum intervals between applications must be observed:

Strawberry	10 days	Raspberry	10 days
Tomato (protected)	14 days	Brassica seed production crops	21 days
Lettuce	14 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.

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.

Rovral WG is a protectant fungicide for use on a range of horticultural and agricultural crops.

1. Restrictions/Warnings

Consult processors before using on crops intended for processing. Avoid spray drift onto neighbouring crops, especially oats.

2. Disease Control

Rovral WG is a protectant and contact fungicide for the control of *Botrytis cinerea* in protected tomatoes, lettuce and strawberries, ornamental pot plants, raspberries, oilseed rape, salad and bulb onions (including *B. squamosa*), and control of *Alternaria brassicae* and *Alternaria brassicicola*, in brassica seed production crops, oilseed rape, Brussels sprout and cauliflower.

2.1 Resistance

Strains of several diseases including *Botrytis cinerea* resistant to dicarboximide fungicides are known in various crops in the UK. Where strains of fungi resistant to dicarboximide fungicides (such as iprodione) occur, Rovral WG may not be effective. In order to minimise the risk of resistance development, Rovral WG should be used in accordance with FRAC resistance management advice for dicarboximide fungicides:

Recommendations for use of Dicarboximides

- Rovral WG contains a dicarboximide fungicide
- To reduce the risk of resistant strains adversely affecting control
 - Avoid the use of consecutive applications of dicarboximide fungicides whether applied alone or in tank mix.
 - Restrict applications to those times when *Botrytis* infection pressure is high.
 - Maintain regular prolonged times when dicarboximides are not used.
- Where resistance is suspected, use Rovral WG in mixture with other fungicides with a different mode of action effective against the same diseases.

3. Crop specific information

3.1 Tomatoes (Protected)

Time and rate of Application

For the control of *Botrytis cinerea*, apply Rovral WG at a rate of 67 g per

100 litres of water and apply to run off. Apply Rovral WG from when the second truss is in flower; repeat at 14 day intervals or when conditions favour the spread of *Botrytis* (such as at trimming or de leafing).

The programme described above helps to reduce the levels of inoculum within the house and hence assists in preventing „ghost spotting“.

A maximum of 5 applications may be made. A minimum spray interval of 14 days must be observed.

3.2 Lettuce (Protected and Outdoor) *Botrytis cinerea*

Time and rate of Application

For the control of *Botrytis cinerea*, apply Rovral WG at a rate of 33 g per 100 litres of water. Do not exceed a volume of 1000 litres per hectare (equivalent to a maximum of 0.33 Kg/ha).

As a guide for protected lettuce, newly planted lettuce with three leaves require 5 litres of spray to 22,000 plants. At a later stage of growth, e.g. up to six to eight leaves, 5 litres should treat about 5000 plants. The final spray, before cutting, will require 5 litres of spray to approximately 1100 plants. For outdoor and protected lettuce a maximum of 3 applications may be made. A minimum spray interval of 14 days must be observed between treatments.

3.3 Ornamental Pot Plants

Time and rate of Application

For the control of *Botrytis cinerea*, apply Rovral WG at a rate of 67 g per 100 litres of water. Apply at the onset of disease, then repeat at 21 day intervals as necessary. Apply to the point of run off, ensuring good coverage of the plants. Good tolerance to Rovral WG has been shown by the following pot plant species:

Aralia sieboldii
Azalea spp.
Begonia rex (cv *Fireglow*)
Chrysanthemum (all year round cultivars)
Cineraria (*Senecio* sp.)
Croton (*Codiaeum* sp. cv *Bravo*)
Cyclamen spp.
Dracaena sp. (cv *Redege*)
Ficus robusta
Fuchsia spp.
Hedera minor
Hedera major
Impatiens parviflora

Kalanchoe spp.
Neanthe bella
Pelargonium sp.
Philodendron scandens
Pilea cadierei (cv Nana)
Poinsettia (*Euphorbia pulcherrima*)
Senecio macroglossus variegatus
Sinningia spp. (*Gloxinia*)

Tolerance of other species should be checked before making large scale applications.

3.4 Strawberries (Protected and Outdoor)

Time and rate of Application

For the control of *Botrytis cinerea*, apply 1.0 kg of Rovral WG in 2000 litres of water per hectare. Lower volume rates may not be sufficient to give good coverage on dense crops. Ensure thorough blossom coverage from above and from the sides. Directed nozzles and a ruffler bar will help achieve this.

The first application should be made at the white bud stage with subsequent treatments at 10–14 day intervals during the flowering period, up to a maximum of four applications per year.

3.5 Raspberries

Time and rate of Application

For the control of *Botrytis cinerea*, apply 1.0 kg of Rovral WG in 1000 litres of water per hectare.

A minimum of three sprays over the flowering period is recommended, starting at early flowering and repeating at 14 day intervals. A maximum of 4 sprays may be made per year.

A minimum spray interval of 10 days must be observed between treatments.

3.6 Brassica Seed Production Crops (crops intended for sowing):
cabbage, cauliflower, broccoli, mustard, fodder rape, turnip, swede, kohlrabi, stubble turnip and Chinese cabbage (not oilseed rape)

Time and rate of Application

For the control of *Alternaria brassicae* and *A.brassicicola*, spray at the end of flowering at a rate of 0.67 kg Rovral WG in 600 to 1000 litres of water per hectare. A total of 3 applications may be made. A minimum spray interval of 21 days must be observed between treatments.

Treated crop must not be used for human or animal consumption

3.7 Winter and spring oilseed rape.

Time and rate of Application

Apply Rovral WG at a rate of 0.67 kg per hectare. A maximum of 1 spray may be made to each crop.

Rovral WG should be applied in 200–400 litres per hectare of water as a fine spray (BCPC category), except where drift is a hazard when a medium spray should be used. Use the higher volume if the crop is very dense.

Dark leaf spot and pod spot: *Alternaria* spp

Protectant applications

Apply 0.67 kg per hectare Rovral WG between mid flower, i.e. when 20 pods that are 2.5 cm in length have formed on the main raceme, and the end of flowering.

Disease onset applications

Treat with 0.67 kg per hectare Rovral WG when black pin head spots first appear on the pods. Pod infections are most likely to occur on those crops where *Alternaria* spp spots can be detected on the uppermost leaves (bracts).

Grey mould: *Botrytis cinerea*

When applying a protectant spray of Rovral WG at 0.67 kg per hectare at mid flower for the control of *Alternaria* spp., application will also control grey mould. Application at the end of flowering will be unsatisfactory.

3.8 Brussel sprouts and cauliflower

Time and rate of Application

For the control of *Alternaria brassicae* and *A. brassicicola*, apply Rovral WG at 0.67 kg per hectare. A maximum of 3 applications of Rovral WG may be made. A programme of applications may be required. The first treatment should be applied at the onset of disease on the foliage.

Apply in at least 200–600 litres per hectare of water ensuring good coverage of the plants.

A minimum spray interval of 21 days must be observed between treatments.

3.9 Salad and bulb onions

Time and rate of Application

For the control of leaf spot (*Botrytis squamosa*) and collar rot (*Botrytis*

cinerea) apply Rovral WG at a rate of 0.67 kg per hectare. A programme of applications is required.

Apply in 300–600 litres per hectare of water ensuring good coverage of the foliage.

Salad Onions

Over wintered: Treat at monthly intervals starting at the crook stage. A maximum of 4 applications may be made.

Spring and summer sown: Treat at 14 day intervals starting at the crook stage. A maximum of 4 applications may be made.

Bulb Onions

Over wintered: Treat at monthly intervals from the crook stage until January. Further treatments at monthly intervals starting in March may be necessary to control late season infections. A maximum of 4 applications may be made.

4. Mixing and Spraying

Apply as a FINE-MEDIUM spray, as defined by BCPC.

Half fill the tank with clean water and start the agitation. Add the required amount of Rovral WG to the spray tank while re-circulating. Add the remainder of the water and continue agitation until spraying is complete.

When tank mixes are to be used, each product should be added separately.

On emptying the container, 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 container safely.

5. Trademark Acknowledgements

Rovral WG is a trademark of BASF.

The following does not form part of the product label under the Plant Protection Products Regulations 2005

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, 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; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

Additional Product Safety Information

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'off-label' approval or is otherwise permitted under the of Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results

Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



http://www.agricentre.basf.co.uk/go/rovral_wg_sds

Alternatively, contact your supplier.