

pirim

MAPP No 19348

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5L

A suspension concentrate containing 400 g/l (37.4% w/w) pyrimethanil for the control of leaf scab in apples and grey mould in outdoor strawberries and the moderate control of grey mould in protected strawberries.

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

RISK AND SAFETY INFORMATION



WARNING Toxic to aquatic life with long lasting effects

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

Keep out of reach of children.

Collect spillage.

Dispose of contents and containers to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contains 1,2-benzisothiazol-3(2H)-one (2634-33-5). May produce an allergic reaction.

Conventional Sprayer:

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

Air Assisted Sprayer:

To protect aquatic organisms respect an unsprayed buffer zone of 30 m to surface water bodies.

Spray must be aimed away from water.

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

Approval holder:

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SAFETY PRECAUTIONS

Operator protection

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or when handling contaminated surfaces or when applying by broadcast air-assisted equipment.

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

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

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. To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements as follows:

Apples

DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within '30 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 5 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

Strawberry

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 water body, 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.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a broadcast air-assisted sprayer or horizontal boom 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 three years.

Storage and disposal

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

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

Store well away from seeds, fertilizers and animal feeding stuffs in a safe, dry place designated as an agrochemical store.

Protect from frost.

IMPORTANT INFORMATION

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

Crops	Maximum Individual Dose	Maximum Number of Applications	Latest Time of Application
Apple	1.125 litres product/ha	4 per year	56 days before harvest
Strawberry (outdoor and protected)	2.0 litres product/ha	2 per year	Three days before harvest

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.

1. Restrictions/Warnings

Taint tests have shown that PIRIM does not taint apples, but growers should consult processors before use on strawberries.

For use by tractor mounted/trailed and handheld broadcast air-assisted sprayers, tractor mounted boom sprayers and knapsack sprayers. For professional use only.

2. Disease Control

PIRIM is a protectant fungicide for the control of diseases in apples and strawberries, as summarised below.

	Apples	Outdoor strawberries	Protected strawberries
Leaf scab (<i>Venturia inaequalis</i>)	C	---	---
Grey mould (<i>Botrytis cinerea</i>)	---	C	MC

C = Control

MC = Moderate Control

2.1 Resistance

PIRIM contains pyrimethanil, an anilinopyrimidine (AP) fungicide. PIRIM should only be used as a protectant spray. To prevent less-sensitive strains of Botrytis and Venturia from developing, PIRIM should be used in a programme, alternating or mixing with products of different modes of action.

Application should be made in accordance with FRAC Guidelines. In strawberries, where two Botrytis treatments are made per season, a maximum of one application of an AP-containing product is recommended; in situations where up to six Botrytis treatments are made per season, a maximum of two applications of AP-containing products are recommended.

In apples, against Venturia, a maximum of four AP-containing products is recommended per season. In locations where AP-insensitive strains of Venturia have been reported, PIRIM should be used in mixture with effective scab fungicides of differing modes of action (e.g. Dithianon WG).

3. Crops

3.1 Apples

All varieties may be treated.

Time of application

For the control of leaf scab, apply PIRIM as part of a protectant fungicide programme commencing at the start of bud burst. Depending on disease pressure, treat at intervals of 10 – 14 days, using a maximum of four applications of PIRIM per crop. A minimum of 56 days must elapse between the last spray of PIRIM and harvest.

Rate of application

Apply 1.125 litres PIRIM in 500 – 1500 litres of water per hectare. Spray to achieve thorough and even cover of foliage but not to the point of run-off.

Where tree height and/or canopy density is reduced, the dose (and water volume) must be adjusted in accordance with an appropriate dose adjustment scheme. Consult your specialist advisor for further information. Further information on the PACE scheme is available from HDC, or see the HDC leaflet (Orchard Spraying: Opportunities to reduce rates).

Qualified recommendation

A minimum water volume of 180 l/ha may be used, although the effectiveness and crop safety of reduced volume applications is based on very limited data.

3.2 Strawberries (outdoor)

Time of application

For the control of grey mould, apply PIRIM as part of a fungicide programme. Commence treatment at the white bud stage to achieve maximum protection of the flowers. Depending on disease pressure, treat at intervals of 7-10 days, using a maximum of two applications of PIRIM per crop. A minimum of three days must elapse between the last spray of PIRIM and harvest.

Rate of application

Apply 2.0 litres PIRIM in 1000-2000 litres of water per hectare. It is important to achieve accurate and complete coverage of the plants for effective protection of the crop. See Company Advisory Information at end of label for suggested mixing and loading instructions for knapsack users.

3.3 Strawberries (protected)

Time of application

For the moderate control of grey mould, apply PIRIM as part of a fungicide programme. Commence treatment at the white bud stage to achieve maximum protection of the flowers. Depending on disease pressure, treat at intervals of 7-10 days, using a maximum of two applications of PIRIM per crop. A minimum of three days must elapse between the last spray of PIRIM and harvest.

Rate of application

Apply 2.0 litres PIRIM in 400-1000 litres of water per hectare. It is important to achieve accurate and complete coverage of the plants for effective protection of the crop.

See Company Advisory Information at end of label for suggested mixing and loading instructions for knapsack users.

4. Integrated pest management

Limited evidence suggests that PIRIM has a negligible effect on hoverflies and lacewings and indicates some margin of safety to *Typhlodromus pyri*.

5. Mixing and Spraying

Half fill the sprayer tank with clean water and start agitation. Slowly add in the required amount of product. Rinse empty containers and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying complete. Complete filling to the final volume. Spray immediately after mixing and maintain agitation until the spray tank is empty. Wash out the sprayer thoroughly with water and liquid detergent immediately after use. Finally wash out with water and drain.

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under Regulation (EC) No 1107/2009 and provides additional advice on product use.

Examples for application to strawberries with knapsack sprayers

Strawberries (outdoor): When using a knapsack sprayer with a 20 L tank, a maximum of 40 mls of PIRIM can be added to apply an equivalent of 2 L/ha over 200 square meters (10m x 20m) of crop.

Strawberries (protected): When using a knapsack sprayer with a 20 L tank, a maximum of 100 mls of PIRIM can be added to apply an equivalent of 2 L/ha over 500 square meters (10m x 50m) of crop.

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

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during and after application which may affect the performance of the goods, 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 or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.



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