

WARNING
Keep out of reach of children



Fontelis[®]

FUNGICIDE

ACTIVE INGREDIENT: Contains 200 g/L penthiopyrad in the form of a suspension concentrate.

GROUP	7	FUNGICIDE
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For the control of Black Spot and Powdery Mildew in Apples and Pears.

READ THE LABEL BEFORE USE

NET CONTENTS: 5 L

Corteva Agriscience New Zealand Limited

Private Bag 2017

New Plymouth 4342

www.corteva.co.nz

Telephone: 0800 803 939



INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL

Fontelis[®]

10 May 2022

WARNING



Skin sensitisation Category 1
Specific target organ toxicity (repeated exposure) Category 2
Hazardous to the aquatic environment (acute) Category 1
Hazardous to the aquatic environment (chronic) Category 1

QUALIFICATION REQUIREMENTS

Persons mixing, loading, applying, or otherwise handling Fontelis® must meet the qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

RECORD KEEPING

Records of use, as described in the EPA Hazardous Substances (Hazardous Property Control) Notice 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept when any quantity is being used in a place where members of the public may be present, or where the substance may enter air or water and leave the place.

HEALTH HAZARDS

May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Avoid breathing gas, mist, vapours and spray.

ENVIRONMENTAL HAZARDS

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. DO NOT apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

HANDLING PRECAUTIONS

EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the Disposal instructions below.

STORAGE

Keep out of reach of children. Store in the original container, tightly closed and in a locked, dry, cool, well-ventilated area, well away from foodstuffs. DO NOT store for prolonged periods in direct sunlight. DO NOT store with Class 1, 2, 3.2, 4 or 5 substances. Stores containing more than 100 L of Fontelis® (or substances of the same hazard class) require signage and secondary containment. See the Health

and Safety at Work (Hazardous Substances) Regulations and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

PERSONAL PROTECTION

When opening the container, preparing the product for use and applying the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves, and a face shield or goggles with a disposable dust and mist face mask covering mouth and nose. DO NOT eat, drink or smoke while using product. Wash hands after use. Wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace.

SPILLAGE

DO NOT touch or walk through spilled material. Wear the protective equipment recommended above. Dam area and prevent entry into waterways, and drains. Small spills/leaks: Absorb small spills with a proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Spill residues may be cleaned using water and detergent. Collect spilled product and absorb wash water and place in sealable container for disposal. Large spills/leaks: Dam the area off and report them to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Triple rinse empty containers and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues (liquid and dry) and have an intact legible label may be taken to an Agrecovery collection site. Otherwise crush or puncture and bury in a suitably approved landfill. DO NOT re-use container. DO NOT burn empty containers.

Dispose of unused product only by using it according to the label, via Agrecovery (visit www.agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill. DO NOT burn.

DO NOT dispose of this product, spray mix, or equipment cleaning water down drains or sewers.

FIRST AID

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice. If medical advice is needed, have the product container or label at hand.

SAFETY DATA SHEET

A Safety Data Sheet is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939 or visit www.corteva.co.nz

NOTICE

Important: You must read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and new Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

Registered to: Corteva Agriscience New Zealand Limited Private Bag 2017 New Plymouth 4342 Telephone 0800 803 939 www.corteva.co.nz	EMERGENCY RESPONSE (All hours) Ring from anywhere in New Zealand 0800 844 455 Or Globally +64-6-751-2407	IN A TRANSPORT EMERGENCY DIAL 111 FOR POLICE OR FIRE
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Registered pursuant to the ACVM Act 1997, No P8528.
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, Approval No HSR100718
See www.epa.govt.nz for approval controls.

Date of Manufacture:

Batch No.

Barcode

GENERAL INSTRUCTIONS

Fontelis® fungicide is a suspension concentrate containing 200 g/L penthiopyrad for the control of Black spot and Powdery mildew in Apples and Pears. Fontelis® controls plant diseases by blocking both spore germination and mycelial growth. It has protectant activity with extended residual control. Fontelis® must be applied in a regular protectant spray programme in rotation with other fungicides. See DIRECTIONS FOR USE section.

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MIXING INSTRUCTIONS

Fill spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full of water. Measure the amount of Fontelis® required for the area to be sprayed. Add Fontelis® directly to the spray tank with the agitation engaged. Mix thoroughly to disperse the fungicide. Once dispersed, the material must be kept in suspension at all times by continuous agitation. Use mechanical or hydraulic means, DO NOT use air agitation, pre-mix or slurry.

If spray solution is left standing, ensure thorough re-agitation of the spray mix until fully resuspended. DO NOT allow spray mix to sit overnight, as resuspension may be difficult.

MIXING ORDER

The mixing sequence recommended is: water soluble bags, dry flowable or water dispersible granules, wettable powders, water based suspension concentrates, water soluble concentrates, oil based suspension concentrates (such as Fontelis®), soluble fertilisers.

APPLICATION

Use a ground sprayer fitted with high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size, DOES NOT improve canopy penetration and may increase drift potential. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.

Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Avoid directing spray above trees and always turn-off outward pointing nozzles at row ends and outer rows.

DILUTE SPRAYING

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.

The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.

Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows. Always apply sufficient water to cover the crop to the point of runoff, otherwise under dosing will occur and disease control may be inadequate.

CONCENTRATE SPRAYING

For concentrate spraying adjust dilution rate accordingly. The rate of product applied must be equal to the rate that would be applied per hectare with dilute application. DO NOT use a concentration factor greater than 3X, for concentrate application.

MINIMISING SPRAY DRIFT

The interaction of many equipment and weather-related factors determines the

potential for spray drift. The applicator must consider all these factors when making application decisions.

The most effective way to reduce drift potential is to apply large droplets (volume mean diameter (VMD) > 250 - 300 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. **APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT MINIMISE DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVOURABLE ENVIRONMENTAL CONDITIONS.** When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

The minimum droplet size for application should be coarse, as specified in NZS:8409 Management Agrichemicals.

DO NOT apply in orchards when wind speed is less than 3 or more than 20 kilometres per hour are measured 15 metres outside of the orchard on the upwind side.

COMPATIBILITY

Fontelis® is compatible with many commonly used fungicides, liquid fertilisers, herbicides, insecticides, and biological control products. However, since the formulations of products are always changing, it is advisable to test the physical compatibility of desired tank mixes and check for adverse effects like settling out or flocculation. To determine the physical compatibility, add the recommended proportions of the tank mix products to water, mix thoroughly and allow to stand for 20 minutes. If the combination remains mixed, or can be re-mixed readily, it is considered physically compatible. Fontelis® is compatible with Altacor®¹, Avaunt®¹, mancozeb, Polyram®¹ and Systhane®.

The crop safety of all potential tank-mixes, including additives and other pesticides, on all crops has not been tested. Before applying any tank-mixture not specifically recommended on this label or other Corteva Agriscience supplemental labelling, the safety to the target crop must be confirmed. To test for crop safety, apply the combination to a small area of the target crop in accordance with the label instructions to ensure that a phytotoxic response will not occur.

Fontelis® contains a percentage of mineral oil in the formulation which may predispose oil sensitive products (such as captan) to crop damage if they are not applied according to the restrictions referring to summer oils on their label.

Fontelis® should NOT be applied within 14 days of folpet, captan, Euparen¹ Multi, sulphur or lime sulphur.

SURFACTANT / WETTING AGENT

Not required.

RAINFASTNESS

DO NOT apply if rainfall is expected within 1 hour of application.

CLEANING OF SPRAY EQUIPMENT

Prior to application, start with clean, well-maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce

the risk of forming hardened deposits which might become difficult to remove. Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom, and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment.

DO NOT clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

WITHHOLDING PERIODS

APPLES, PEARS: DO NOT apply after 50% petal fall.

GRAZING

DO NOT feed treated produce to livestock or allow livestock to graze within treated orchards.

EXPORT OF TREATED PRODUCE

Growers should note that suitable Maximum Residue Levels (MRLs) or import tolerances may not be established in all markets for produce treated with Fontelis®. If you are growing produce for export, please check with Corteva Agriscience for the latest information on MRLs and export tolerances before using this product.

RESISTANCE MANAGEMENT

GROUP	7	FUNGICIDE
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Fontelis® fungicide is a member of the pyrazole carboximide group of fungicides. For resistance management the product is a Group 7 fungicide. Some naturally occurring individual fungi resistant to Fontelis® and other Group 7 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if Fontelis® or other Group 7 fungicides are used repeatedly. These resistant fungi will not be controlled by Fontelis® or other Group 7 fungicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, Corteva Agriscience New Zealand Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

DIRECTIONS FOR USE

It is an offence to use this product on animals.

IMPORTANT: Not all varieties, cultivars or hybrids of crops, have been individually tested for crop safety. It is not possible to evaluate all applications of Fontelis® fungicide for crop safety on all varieties or under all environmental conditions and growing circumstances. To test for crop safety, apply the product in accordance with the label instructions to a small area of the target crop to ensure that a phytotoxic response will not occur.

All rates are for dilute spraying. For concentrate spraying rates, refer to the Mixing / Application section. Thorough coverage is essential.			
CROP	DISEASE	RATE	CRITICAL COMMENTS
Apples, Pears	Black spot (<i>Venturia inequalis</i> , <i>Venturia pyrina</i>) Powdery mildew (<i>Podosphaera spp.</i>)	<u>Dilute Spraying</u> 75 mL/100 L water <u>Concentrate Spraying</u> Refer to the Mixing/Application Section	Begin applications prior to Black spot disease development and continue on a 7 - 10 day interval between open cluster and 50 % petal fall and/or before fruitlet formation. Use the shorter interval during periods of heavy disease infection and/or during periods of rapid growth. Fontelis® should only be used as a preventative application. Resistance management: Always tank mix with a Black spot protectant fungicide from a different mode of action group. DO NOT apply more than two consecutive applications of Fontelis®. DO NOT use more than three applications in any one season. Further treatments should be made with fungicides from a different mode of action group.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards

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