

WARNING
Keep out of reach of children

• ***Pristine***[®]

Fungicide for the control of various diseases in apples, beans, citrus, grapes, kiwifruit, onions, pears and stone fruit.

Contains 252 g/kg boscalid and 128 g/kg pyraclostrobin in the form of a water dispersible granule

2.5 KG

READ LABEL COMPLETELY BEFORE OPENING OR USING

Registered to and distributed by:
BASF New Zealand Limited
P.O. Box 407, Auckland 1140
Phone: 0800 932 273
Fax: 0800 940 000

**BASF**
The Chemical Company

Hazard Classification

6.1D, 6.9B, 9.1A



WARNING

HARMFUL. Harmful if swallowed. May cause liver damage through prolonged or repeated oral exposure at high doses. **VERY TOXIC TO AQUATIC LIFE.** May cause long term adverse effects in the aquatic environment. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PRECAUTIONS

HANDLING: This product must be under the personal control of an APPROVED HANDLER when applied in a wide dispersive manner or by a commercial contractor.

STORAGE: Store in original container, tightly closed, in a locked, dry, cool, well-ventilated place away from food and animal feeds. Keep away from heat and protect from direct sunlight. Stores containing 100 kg or more of this product require emergency response plans and secondary containment systems, and are subject to signage.

TRANSPORT: Do NOT carry this product on a passenger service vehicle.

SPILLAGE: Prevent further spillage and product from entering waterways. Wear overalls, gloves, footwear and goggles. Sweep up spill and place in a labeled, sealable container for disposal. Wash the spill area with water and detergent, then absorb the washings and place in the same sealable container. Dispose of the waste safely in suitable landfill.

PERSONAL PROTECTION: When mixing and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, suitable gloves, and goggles or a face shield.

GENERAL SAFETY AND HYGIENE MEASURES: Avoid contact with skin, eyes and clothing. Avoid inhalation of dust or spray mist. Do NOT eat, drink or smoke when using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing immediately after use. Store work clothing separately.

USE: Apply with well-maintained and accurately calibrated spray equipment. Do NOT spray onto or into water. Do NOT allow drift over surface water such as ponds, waterways or drains. Clean out application equipment thoroughly after use. Do NOT contaminate water when disposing of equipment wash waters.

RECORD KEEPING: Records of use must be kept if 3 kg or more of this product is applied in a place where it is likely to enter air or water and leave the place.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

DISPOSAL: Container: Triple rinse empty container and add residue to the spray tank. Recycle the rinsed container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Product: Dispose of this product only by using according to the label or at an approved landfill. Do NOT burn product. Do NOT contaminate any water supply with product or used container.

FIRST AID

If medical advice is needed, have product container or label at hand. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor. **IF ON SKIN OR CLOTHING:** Remove contaminated clothing and wash skin with plenty of soap and water. Do NOT scrub skin. **IF IN EYES:** Wash out immediately with water.

GENERAL INFORMATION

PRISTINE is a novel combination of carboxamide and strobilurin fungicides providing protectant activity against various diseases on apples, beans, citrus, grapes, kiwifruit, onions, pears and stone fruit. It is locally systemic and translaminar to provide some protection to new growth. Thorough coverage of the crop is necessary for best results. Best results are obtained from protectant applications prior to the onset of infection.

Integrated Mite Control

PRISTINE is compatible with IMC programmes based on *Typhlodromus pyri*.

RESISTANCE MANAGEMENT

PRISTINE contains boscalid, a carboxamide fungicide from the SDHI (Succinate Dehydrogenase inhibitors) mode of action group **GROUP 7 FUNGICIDE**, and pyraclostrobin, a strobilurin type fungicide from the QoI (Quinone outside Inhibitors) mode of action group **GROUP 11 FUNGICIDE**. Resistance to this fungicide could develop from excessive use. To minimise this risk use strictly in accordance with the label instructions and resistance management strategies that exist for any fungus listed on the label. PRISTINE should be used in a programme that incorporates fungicides with different modes of action to that of GROUP 7 and GROUP 11 fungicides. Refer to the NZCPR web site (www.nzpps.org/resistance/index.php) for more detailed information.

DIRECTIONS FOR USE

It is an offence to use this product on animals.

On fruit crops, the rates recommended are for high volume spraying to the point of run off. For concentrate spraying adjust dilution rate accordingly. For concentrate spraying the rate of product applied must be equal to the rate that would be applied per hectare with dilute application (refer to tree row volume rate indications).

Crop	Disease	Rate	Comments
Apples and Pears	Black spot Powdery mildew	50 g /100 litres water	Apply in a protectant programme from green tip at 7 to 10 day intervals up to 90% petal fall. Use the shorter interval during periods of rapid growth and when heavy infection pressure occurs. Do NOT apply more than 2 consecutive sprays of PRISTINE. Apply in alternation with an effective fungicide with a different mode of action, e.g. triazoles. Do NOT apply more than 3 times per season.
Beans	Botrytis Sclerotinia white mould	1.5 kg/ha in a minimum of 300 litres water/ha.	Apply in a protectant programme. Begin prior to infection and continue at 7 to 14 day intervals. Apply as a preventative spray and when conditions favour disease. Apply in alternation with an effective fungicide with a different mode of action. Do NOT apply more than 3 times per season.
Citrus	Alternaria brown spot Citrus scab Melanose	50 g/100 litres water.	Apply in a protectant programme from flowering up to harvest. Begin prior to infection and continue at 21 to 28 day intervals. Apply as a preventative spray and when conditions favour disease. Do NOT apply more than 2 consecutive sprays of PRISTINE. Apply in alternation with an effective fungicide with a different mode of action. Do NOT apply more than 3 times per season.
Grapes	Botrytis (<i>Botrytis cinerea</i>), Powdery mildew (<i>Uncinula necator</i>), Downy mildew (<i>Plasmopora viticola</i>)	150 g /100 litres of water, applying no less than 1.5 kg/ha in a minimum 500 litres water/ha.	Apply in a protectant programme from early flowering to pre-harvest as a preventative spray and when conditions favour disease. Ensure bunch zone is adequately treated. Do NOT apply more than 2 sprays per season. Do NOT apply to hybrid varieties without first testing.
Kiwifruit	Sclerotinia blossom and fruit rot	50 g/100 litres of water (1.0 kg/ha)	Apply in a protectant programme between the onset of flowering and no later than fruit set as a single preventative spray when conditions are expected to favour disease, usually during late bloom. Ensure thorough coverage of flowers. Do NOT apply more than once per season.
Onions	White rot, [Downy mildew (<i>Plasmopora destructor</i>) - suppression only]	1.6 kg/ha in 500 litres water per hectare	Apply in sequence after 1 or 2 triazole fungicide (e.g. Cereous™) applications. Either apply a block of 2 consecutive sprays of PRISTINE, or, apply in strict alternation with an effective fungicide with a different mode of action. Do NOT apply more than 2 times per season.
Stone fruit	Blossom blight, Botrytis fruit rot, Rust	50 g/100 litres water	Apply from early flowering up to 100% petal fall (prior to shuck fall) at an interval of 5-14 days with no more than 3 sprays per season. Apply as a preventative spray and when conditions favour disease. Use the shorter interval when disease pressure is high. Do NOT apply more than 2 consecutive sprays of PRISTINE. Apply in alternation with an effective fungicide with a different mode of action.
Cherries	Blossom blight, Botrytis fruit rot, Rust	50 g/100 litres water	Apply from early flowering up to harvest at an interval of 5-14 days with no more than 3 sprays per season. Apply as a preventative spray and when conditions favour disease. Use the shorter interval when disease pressure is high. Do NOT apply more than 2 consecutive sprays of Pristine. Apply in alternation with an effective fungicide with a different mode of action.

Withholding Periods

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.

Apples & pears. Do NOT apply after 90% petal fall.

Beans. Do NOT apply within 7 days of harvest.

Citrus. Do NOT apply within 1 day of harvest.

Grapes. Do NOT apply within 28 days of harvest.

Kiwifruit. Do NOT apply after fruit set.

Onions. Do NOT apply within 56 days of harvest.

Stone Fruit (excluding cherries). Do NOT apply after 100% petal fall (prior to shuck fall).

Cherries. Nil (may be used on cherries up to harvest).

For export refer to the exporter guidelines.

Orchard grazing: Do NOT allow stock to graze within treated orchards until after harvest.

Leaf plucking in vineyards: Where leaf plucking with sheep is carried out in vineyards sprayed with this product, a 2 month slaughter withholding period must be observed after the sheep have been removed from the vineyard.

Compatibility

PRISTINE may be tank mixed with most commonly used insecticides and fungicides and with the plant growth regulator Regalis® Xtra. In kiwifruit PRISTINE can also be tank mixed with foliar fertilizers.

Adjuvants

No adjuvants are required.

Mixing

Add the required amount directly into a partly filled spray tank with agitation operating. Complete filling and maintain agitation until spraying is complete.

Rainfall

PRISTINE is rainfast once dried on the crop. For apples and pears, cover sprays should be replaced after 50 mm of rainfall or after three or more consecutive days of significant rainfall, e.g. 12 mm or greater / day.

Tree Row Volume Rate Guide

Tree row volume is affected by the shape and density of trees. The lower water and product rates are indicated on pyramid shaped trees of moderate to low density. Higher rates are indicated for dense foliage and box shaped trees.

Tree height	Indicated dilute water rate	Rate of PRISTINE per hectare
2 metres	1000-1500 litres / ha	0.5-0.75 kg/ha
3 metres	1500-2000 litres / ha	0.75-1.0 kg/ha
4 metres	2000-2500 litres / ha	1.0-1.25 kg/ha
5 metres	2500-3000 litres / ha	1.25-1.5 kg/ha

CONDITIONS OF SUPPLY

Read conditions of supply before buying and using. If these conditions are unacceptable, return at once unopened. All goods supplied by BASF New Zealand Ltd. are of a high grade and conform to the chemical description of the label. However, to the extent permitted by law, neither BASF nor any of its Distributors accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with the supply of those goods including without limitation their storage, application, handling or use. BASF New Zealand Ltd. nor any of its Distributors, make no warranties of any kind, express or implied, with respect to fitness for purpose (including crop injury, ineffectiveness or any other unintended consequence), merchantable quality or any other matter with respect to these goods. When you are a consumer as defined in the Consumer Guarantees Act 1993 (the "Act") these conditions will be subject to the provisions of the Act. However the Act will not apply to goods supplied to you for business purposes.

Approved pursuant to the HSNO Act 1996, HSR007853.

See www.epa.govt.nz for approval controls.

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Date of Manufacture:

Batch Number:

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