



DuPont™ Talendo®

fungicide

Technical Information

Active Ingredient:

200 g/L PROQUINAZID in the form of an emulsifiable concentrate.

Pack Sizes:

1 L,
5 L

GROUP	13	FUNGICIDE
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WARNING – COMBUSTIBLE LIQUID**HARMFUL**

Keep out of reach of children

ECOTOXIC

FOR THE CONTROL OF POWDERY MILDEW IN APPLES, CUCURBITS AND GRAPES.

Registered pursuant to the ACVM Act 1997 No. P8381

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996 Code HSR100543

READ LABEL BEFORE MIXING AND APPLYING**HAZARD CLASSIFICATION**

3.1D, 6.1E, 6.3A, 6.7B, 6.9A, 8.3A, 9.1B

APPROVED HANDLER

This product must be under the control of an approved handler during use. Use of this product in any manner contrary to this label may be an offence under the HSNO Act.

WARNING - Combustible liquid keep away from sources of ignition.

HARMFUL

May be harmful if swallowed, inhaled or absorbed through the skin. May cause skin irritation. Suspected of causing cancer.

DANGER - This product is corrosive and may cause eye damage.

TOXIC

May cause organ damage (CNS) from repeated oral exposure at high doses.

ECOTOXIC

Toxic to aquatic organisms with long lasting effects. **DO NOT** apply into/onto water. Avoid contamination of any water supply with product or empty container. **DO NOT** allow spray drift outside the target area.

PRECAUTIONS

Keep out of reach of children.

Avoid breathing concentrate or spray mist. When mixing or applying wear waterproof gloves, hat, safety goggles, overalls and footwear. Wash hands and face before meals and after work. **DO NOT** eat, drink or smoke while using.

Store in original container, tightly closed and under lock and key. Store in a cool, well ventilated area. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** store with Class 1, 2, 3.2, 4 or 5 substances or feed, seeds or foodstuffs. Stores containing more than 100 L of this product require secondary containment and are subject to signage. When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

DISPOSAL

Container disposal: Ensure container is empty. Triple rinse, and add rinsate to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, burn if circumstances, especially wind direction permit, otherwise bury in an approved landfill. **DO NOT** reuse container. Dispose of this product only by using according to this label. Always follow local authority requirements.

FIRST AID

If swallowed: **DO NOT** induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if feeling unwell. If spilt on skin, remove contaminated clothing and wash affected areas of skin. **DO NOT SCRUB THE SKIN.** If concentrate is splashed in eyes, flush with running water for at least 15 minutes.

SPILLAGE

Wear appropriate protective clothing. Prevent liquid from entering sewers or bodies of water. Absorb spills in earth or sand and sweep up. Dispose of waste material at an approved landfill.

GENERAL INSTRUCTIONS

DuPont™ Talendo® fungicide is an emulsifiable concentrate containing 200 g/L proquinazid for the control of Powdery mildew in apples, cucurbits, and grapes. Proquinazid is a new quinazolinone fungicide with a novel mode of action; it acts preventively on Powdery mildew by inhibiting spore germination and appressorium formation.

FUNGICIDE RESISTANCE WARNING

DuPont™ Talendo® fungicide is a member of the azanaphthalene group of fungicides. For resistance management the product is a Group 13 fungicide.

Some naturally occurring individual fungi resistant to Group 13 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled this product or other Group 13 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, DuPont (New Zealand) Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

MIXING INSTRUCTIONS

Ensure the spraying equipment is clean and properly calibrated prior to application. Talendo® mixes easily with water and should be added directly to the spray tank during filling. Washout container and add washings to the spray tank. Continue agitation until spraying is complete.

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, emulsifiable concentrates such as Talendo®, soluble fertilisers.

SURFACTANT/WETTING AGENT

Not required.

COMPATIBILITY

Talendo® can be mixed with most commonly used fungicides and insecticides.

RAINFASTNESS

Talendo® is rainfast two hours after 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.

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

GROUND APPLICATION

Use a 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. For orchard/vineyard sprayers avoid directing spray above trees and always turn-off outward pointing nozzles at row ends and outer rows.

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.

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 runoff. Avoid excessive run-off.

Always apply sufficient water to cover the crop to the point of runoff, otherwise under dosing will occur and disease control may be inadequate.

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.

Concentrate Spraying

Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach 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 using your chosen water volume.

Determine an appropriate dilute spray volume (see Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.

RECORD KEEPING

Records of use, as described in The New Zealand Management of Agrichemicals (NZS8049) must be kept.

NOTICE TO BUYER

To the extent permitted by law all conditions and warranties and statutory or other rights of action which buyer or any other user may have against DuPont or Seller are hereby excluded. DuPont hereby give notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information or advice provided by DuPont or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. DuPont's liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price paid therefore.

It is an offence to use this product on animals.

DIRECTIONS FOR USE

CROP	PEST	RATE/100 L	CRITICAL COMMENTS
All rates are for dilute spraying. For concentrate spraying rates, refer to the Mixing/Application section. If using concentrate application, apply the same total amount of product to the target crop.			
Apples	Powdery mildew	<p>Dilute spraying: 25 mL/100 L water (Minimum of 500 mL/ha)</p> <p>Concentrate spraying: (Minimum of 500 mL/ha) Refer to the Mixing/Application section</p>	<p>Use as a protectant treatment only. DuPont™ Talendo® fungicide has no curative activity and does not control existing infections. Apply Talendo® at a minimum interval of 14 days from open cluster. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the crop whether applied by either dilute or concentrate spraying.</p> <p>DO NOT use more than two applications to any crop in any one season with a minimum spray interval of 14 days. Further treatments should be made with fungicides from a different fungicide group.</p> <p>Concentrated spray: DO NOT apply in volumes less than 400 L/ha, or with a concentration factor greater than 3 X. This low water volume is dependent on the suitability of concentrated spray application equipment. More reliable application may be gained through increased water volumes.</p>
Grapes		<p>Dilute spraying: 25 mL/100 L water (Minimum of 200 mL/ha over flowering to 250 mL/ha at bunch closure)</p> <p>Concentrate spraying: Refer to the Mixing/Application section</p>	<p>Use as a protectant treatment only. Talendo® has no curative activity and does not control existing infections (Powdery mildew between infection and visible stage). *Use a curative fungicide to control an existing infection. Apply Talendo® at a minimum interval of 14 days. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the vines whether applied by either dilute or concentrate spraying.</p> <p>DO NOT use more than three applications to any vine crop in any one season. No more than two consecutive sprays per crop, with a minimum spray interval of 14 days. Further treatments should be made with fungicides from a different fungicide group.</p> <p>Concentrated spray: DO NOT apply in volumes less than 400 L/ha, or with a concentration factor greater than 3 X. This low water volume is dependent on the suitability of concentrated spray application equipment. More reliable application may be gained through increased water volumes.</p>
Marrow, Melons, Pumpkins, Squash, Zucchini		250 mL/ha	<p>Apply on a protectant program or at the first sign of infection and repeat at 14 day intervals.</p> <p>DO NOT use more than three applications to any crop in any one season and no more than two consecutive sprays per crop with a minimum spray interval of 14 days. Further treatments should be made with fungicides from a different fungicide group.</p>

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

WITHHOLDING PERIODS

HARVEST

Apples: **DO NOT** harvest for 56 days after application.

Grapes: **DO NOT** apply after bunch closure (at least 56 days prior to harvest).

Marrow, Melons, Pumpkins, Squash: **DO NOT** harvest for 14 days after application.

Zucchini: **DO NOT** harvest for 1 day after application.

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