



DuPont™ Talendo®

FUNGICIDE

Technical Information

Active Constituent:
200 g/L PROQUINAZID

Pack Sizes:
5 L

GROUP **13** FUNGICIDE



POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

For the control of Powdery mildew in field grown Capsicums, Cucurbits, Grapes, and Tomatoes as per the Directions for Use

SAFETY DIRECTIONS

Will irritate the nose and throat. Will damage the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale vapour. If product on skin, immediately wash the area with soap and water.

If product in eyes, wash it out immediately with water. If clothing is contaminated with product, remove clothing immediately.

When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves, face shield or goggles and a disposable fume face mask covering mouth and nose. When using prepared spray (air-blast) wear cotton overalls buttoned to the neck and wrists and elbow length chemical resistant gloves. If applying by spraying equipment carried on the back of the user wear cotton overalls, over normal clothing, buttoned to the neck and wrist, and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves, face shield or goggles, and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet available from www.cropprotection.dupont.com.au

GENERAL INSTRUCTIONS

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

FUNGICIDE RESISTANCE WARNING

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

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 by 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 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. DuPont™ 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® fungicide, soluble fertilisers.

APPLICATION

Apply to Cucurbits by boom equipment using spray volumes between 250 to 500 L/ha.

Apply to Capsicums and Tomatoes by boom equipment using spray volumes between 250 to 1500 L/ha. Ensure sufficient volume of water is used to achieve thorough coverage.

Dilute spraying

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.

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 runoff. 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 (Grapes only)

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.

The mixing rate for concentrate spraying can then be calculated in the following way:

Example Only

Dilute spray as determined above: For example 1500 L/ha. Your chosen concentrate spray volume: For example 500 L/ha. The concentration factor in this example is 3X (i.e. $1500 \text{ L} \div 500 \text{ L} = 3$). If the dilute label rate is 25 mL/100 L, then the concentrate rate becomes 3×25 , that is 75 mL/100 L of concentrate spray. The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further technical information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow Industry Best Practices.

WETTING AGENTS

Not required

COMPATIBILITY

DuPont™ Talendo® fungicide can be tank mixed with most fungicides and insecticides used in grapes, such as:

Fungicides: Kocide® Opti™, Kocide® Blue Xtra™, mancozeb, Rubigan*, boscalid, pyrimthanil.

Insecticides: Avatar®, formulations containing *Bacillus thuringiensis*.

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.

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 DuPont 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.

RAINFASTNESS

DuPont™ Talendo® is rainfast two hours after application.

RE-ENTRY STATEMENT

DO NOT allow entry into treated areas until spray has dried, unless wearing cotton overalls buttoned to neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day’s use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. **DO NOT** contaminate streams, rivers or wetlands with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight.

Triple rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. **DO NOT** burn empty containers or product.

**IN A MEDICAL EMERGENCY CALL
1800 674 415 All hours**

NOTICE TO BUYER

To the extent permitted by the Competition and Consumer Act (2010) or any relevant legislation of any State or Territory (the “Legislation”) all conditions and warranties and statutory or other rights of action, whether arising in contract or tort or whether due to the negligence of DuPont or Seller, which buyer or any other user may have against DuPont or Seller are hereby excluded provided however that any rights of the buyer pursuant to non excludable conditions or warranties of the Legislation are expressly preserved. DuPont hereby gives notice to buyer and other users that to the extent permitted by the Legislation it will not accept responsibility for any indirect or consequential loss of whatsoever nature arising from the storage, handling or use of this Product. Where permitted by the Legislation DuPont's liability shall in all circumstances be limited to the replacement of the product, or a refund of the purchase price paid therefor.

The Product must be used and applied strictly in accordance with the label instructions and other directions for use. It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont or the Seller. Buyer accepts these risks.

Combustible liquid.
Suspected of causing cancer.

APVMA Approval Number: 64165/61214

DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply with aircraft.

SPRAY DRIFT RESTRAINTS

Except when applied with vineyard airblast equipment, **DO NOT** apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Protection Council Guideline.

DO NOT apply during surface temperature inversion conditions at the application site.

DO NOT apply when wind speed is less than 3 or more than 20 km per hour as measured at application site.

DO NOT direct the spray above vines during air-blast applications.

TURN OFF outward pointing nozzles at row ends and outer rows during air-blast applications.

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years.

The spray application details that must be recorded are:

1. date with start and finish times of application;
2. location address and paddock/s sprayed;
3. full name of this product;
4. amount of product used per hectare and number of hectares applied to;
5. crop/situation and weed/pest;
6. wind speed and direction during application;
7. air temperature and relative humidity during application;
8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application;
9. name and address of person applying this product.

(Additional record details may be required by the state or territory where this product is used.)

MANDATORY NO-SPRAY ZONES

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds or surface streams and rivers downwind from the application area and within the mandatory no-spray zone shown in the table below:

FOR GROUND APPLICATION		
Usage	Applications per season	Downwind No-spray Zone
Cucurbits	3	Not required
Capsicums and Tomatoes	3	5 m
Grapes	3	15 m

ALL STATES

CROP	DISEASE	RATE	CRITICAL COMMENTS
Cucurbits (Field grown only)	Powdery mildew (<i>Podosphaera xanthii</i> / <i>Sphaerotheca fulginea</i>)	250 mL/ha	Use as a protectant treatment only. DuPont™ Talendo® fungicide has no curative activity and does not control existing infections (including Powdery mildew between infection and visible stage). Apply Talendo® Fungicide or at the first sign of infection and repeat at 10 - 14 day intervals using the shorter interval during periods of heavy infection pressure. DO NOT apply more than three (3) applications to any crop in any one season. No more than two (2) consecutive sprays should per crop. As a precaution, DO NOT exceed more than one third of the total Powdery mildew spray program with Talendo® fungicide. Further treatments should be made with fungicides from a different fungicide group.
Fruiting vegetables: Capsicums Tomatoes (Field grown only)	Powdery mildew (<i>Leveillula taurica</i>)	500 mL/ha	Use as a protectant treatment only. Talendo® fungicide has no curative activity and does not control existing infections (including powdery mildew between infection and visible stage). Apply Talendo® fungicide at the first sign of infection and repeat at 7 - 14 day intervals using the shorter interval during periods of heavy infection pressure. DO NOT use more than three (3) applications to any crop in any one season. No more than two (2) consecutive sprays per crop. Further treatments should be made with fungicides from a different fungicide group.

CROP	DISEASE	RATE	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.			
Grapes	Powdery mildew (<i>Erysiphe necator</i>)	Dilute Spraying 25 mL/100 L water	Use as a protectant treatment only. DuPont™ Talendo® fungicide has no curative activity and does not control existing infections (i.e. between infection and visible stage). Apply Talendo® fungicide at a minimum interval of 14 days. DO NOT apply more than three (3) applications per crop in any one season. DO NOT apply more than two (2) consecutive sprays per crop, with a minimum spray interval of 14 days. Further treatments should be made with fungicides from a different fungicide group. Concentrated spray: DO NOT apply in water volumes less than 250 L/ha, or with a concentration factor greater than 4X. This low water volume is dependent on the suitability of concentrated spray application equipment. More reliable application may be gained through increased water volumes.
		Concentrate Spraying: Refer to the Mixing/Application Section	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

DuPont™ Talendo® is a foliar applied protectant fungicide that has only preventative action. DuPont™ Talendo® fungicide has the ability to volatilise and be reabsorbed on to new untreated plant tissue. Protection is not limited to the plant tissue to which it is applied.

WITHHOLDING PERIOD:

CUCURBITS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

CAPSICUMS AND TOMATOES: NOT REQUIRED WHEN USED AS DIRECTED.

GRAPES: DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.

GRAPES FOR EXPORT WINE: REFER TO THE AWRI WINEGRID

EXPORT OF TREATED PRODUCT

Capsicum, Cucurbit, Table grape and Tomato growers should note that suitable Maximum Residue Levels (MRLs) or import tolerances may not be established in all markets for Capsicums, Cucurbits, Table grapes and Tomatoes treated with Talendo® fungicide. If you are growing Capsicums, Cucurbits, Table grapes and Tomatoes for export, please check with DuPont for the latest information on MRLs and export tolerances before using this product.

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