

Legend[®]

FUNGICIDE

ACTIVE CONSTITUENT:

250 g/L QUINOXYFEN

GROUP 13 FUNGICIDE

For use as a protectant against powdery mildew in grapevines and barley crops as specified by the Directions for Use.

Pack Sizes: 1 L, 5 L, 10 L & 20 L

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre.

Phone: *Australia* 13 11 26.

SAFETY DIRECTIONS

May irritate the eyes • Avoid contact with eyes • Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing • When opening the container and preparing spray wear elbow-length chemical resistant gloves • Wash hands after use • After each day's use, wash gloves and contaminated clothing.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet for **LEGEND[®] FUNGICIDE** which is available from Corteva Agriscience on request. Call Customer Service Toll Free on 1-800 700 096 or visit www.corteva.com.au

**EMERGENCY RESPONSE
(ALL HOURS)**
RING FROM ANYWHERE IN
AUSTRALIA
1800 370 754
(LOCAL CALL FEE ONLY)

IN A TRANSPORT
EMERGENCY ONLY
DIAL 000
FOR POLICE OR
FIRE BRIGADE



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Visit us at corteva.com.au

DIRECTIONS FOR USE

RESTRAINTS

DO NOT spray if rain is likely within one (1) hour.

DO NOT apply with aircraft.

SPRAY DRIFT RESTRAINTS

Except when applying with orchard/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 Production Council guideline.

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

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

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application, and must **KEEP** this record for at least two (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 or situation and weed or 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.)

CROP	DISEASE	RATE	CRITICAL COMMENTS
Grapes	Powdery mildew (<i>Uncinula necator</i>)	Dilute Spraying: 10 - 20 mL/100 L water	DO NOT use more than three (3) applications to any vine crop in one season. Use as a protectant treatment only . Legend™ Fungicide has no curative activity and does not control existing infection (powdery mildew between infection and visible stage).
		Concentrate Spraying: Refer to the Mixing/ Application Section	Use 10 mL rate as part of a protectant spray program. Retreat every 7-10 days as necessary. Use 20 mL rate during periods when high or sustained infection pressure is expected. Retreat every 10-14 days as necessary. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the vines whether applied by either method.
Barley	Powdery mildew (<i>Blumeria graminis f.sp.hordei</i>)	200 - 300 mL/ha	DO NOT apply more than two (2) applications to any barley crop in one season. DO NOT apply after barley growth stage Z39. Legend Fungicide should be applied at the first sign of infection as a protectant treatment only. Monitor barley crops regularly from early tillering and apply at or before Z31. Monitor if conditions favour disease development and reapply from 21 to 28 days after the first application and no later than at Z39. Use the higher rates where conditions favour severe disease development. Legend Fungicide will only be effective on powdery mildew in barley. If other diseases are suspected or detected then apply with the label rate of PropiMax™ Fungicide.

Legend Fungicide is a foliar applied protectant fungicide that only has preventative properties. The protectant activity demonstrated by Legend Fungicide when applied to plant foliage is primarily by volatilisation and reabsorption onto new, untreated plant material. Protection is not limited to the leaf to which it is applied. Legend Fungicide is strongly bound to leaf waxes and therefore not easily washed off the foliage by rain if allowed to dry after application.

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

WITHHOLDING PERIOD

Grapes: **DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

Barley: **NOT REQUIRED WHEN USED AS DIRECTED.**

GRAZING/STOCK FOOD WITHHOLDING PERIOD

Grapes: **NOT REQUIRED WHEN USED AS DIRECTED.**

Barley: **DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION.**

LIVESTOCK DESTINED FOR EXPORT MARKETS

The grazing withholding period only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that in addition to complying with the grazing withholding period the Export Slaughter Interval is observed before stock are sold or slaughtered.

EXPORT SLAUGHTER INTERVAL (ESI) – 14 days

After observing the withholding period for grazing or cutting for stock food, livestock that have been grazed on or fed treated crops should be placed on clean feed for 14 days prior to slaughter.

GRAPES FOR EXPORT WINE

Refer to AWRI WINEGRID.

EXPORT OF TREATED GRAPES

Table grape growers should note that suitable MRLs or import tolerances may not be established in all markets for table grapes treated with Legend Fungicide. If you are growing table grapes for export, please check with Dow AgroSciences for the latest information on MRLs and export tolerances before using Legend Fungicide.

GENERAL INSTRUCTIONS

MIXING

Prior to adding to the tank, agitate or shake the container vigorously then follow the mixing instructions below.

TANK-MIXING

If tank mixing with other products, the following order is recommended:

1. Quarter fill the spray tank maintaining agitation.
2. Add any wetttable powders or dry flowable formulations with continuous agitation, ensure product is completely dissolved.
3. Add Legend Fungicide.
4. Add water to half fill the spray tank.
5. Add emulsifiable concentrates or soluble liquids, with continuous agitation.
6. If Uptake™ Spraying Oil is to be used, add when spray tank is three quarters full.
7. Add water to bring to the final spray volume.

Only mix sufficient spray solution for immediate use and avoid storing.

STORAGE OF DILUTED SPRAY MIX

Whenever possible use the spray mix immediately after it is prepared. However if undesirable weather conditions or mechanical breakdown occur, the stored spray mix may be used up to six (6) hours after initial mixing. Ensure regular agitation by mechanical or hydraulic action to thoroughly remix every three (3) hours.

APPLICATION TO GRAPES

For volumes of, or greater than, 1000 L/ha, use the dilute spray rate. If volume to be applied is less than 1000 L/ha then use the concentrate spraying application method.

Application volume will vary with vine growth stage, canopy density, pruning regime and crop vigour. For best results follow the recommendations below.

DILUTE SPRAYING APPLICATION

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 first 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 in the tank. 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.

Thorough coverage of the grapevines and bunches is essential.

CONCENTRATE SPRAYING APPLICATION

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. Consult your local advisor, agronomist or Department of Primary Industries to determine this volume. This is needed to calculate the concentrate mixing rate.

continued over

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

Example Only

1. Dilute spray volume as determined above:
For example, 1500 L/ha
2. Your chosen concentrate spray volume:
For example, 500 L/ha
3. The concentration factor in this example is:
 $3 \times$ (ie, $1500 \text{ L}/500 \text{ L} = 3$)
4. If the dilute label rate is 10 mL/100 L (low Legend rate), then the concentrate rate becomes 3×10 , ie 30 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 information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

UNIT CANOPY ROW (UCR) APPLICATION

Another method for determining the amount of product to spray is called the **unit canopy row** method. This method is not based on planted area (rate/ha) or row spacing but considers the width and height of the foliage to determine the appropriate volume to apply either as a dilute spray or a concentrate spray. The applied volume per hectare increases as row spacings become smaller and canopy sizes increase. This method of application is described in a Fact Sheet (Agdex 210/744, June 2000 by Geoff Furness and Peter Magarey) obtainable from SARDI Loxton Centre. For further information on how to apply this method, contact your local advisor, department of agriculture staff, the factsheet above or the authors.

BOOM SPRAY APPLICATION TO BARLEY

Apply Legend Fungicide in sufficient water to obtain good coverage. It should be applied by an accurately calibrated ground rig using a water volume of 50–100 L/ha. Sprayers should apply a MEDIUM spray quality in accordance with ASAE standard S572.

COMPATIBILITY

Legend Fungicide is NOT compatible with fungicides containing fosetyl as the aluminium salt. However Legend Fungicide is compatible with a range of products as follows:

Insecticides

Lorsban™ 750 WG.

Miticides

Pyridaben and tebufenpyrad.

Fungicides

Amistar®, chlorothalonil, copper hydroxide, copper oxychloride, dithianon, Dithane™ Rainshield™ Neo Tec™, mancozeb, iprodione, procymidone, pyrimethanil, PropiMax™, spiroxamine, sulphur and thiram.

Adjuvants

Uptake™ Spraying Oil at 500 mL/100L.

For further information on compatibility please contact Dow AgroSciences.

RAINFASTNESS

Legend Fungicide is rainfast one (1) hour after application.

CLEANING SPRAY EQUIPMENT

After using Legend Fungicide empty the spray tank and completely drain the system. Rinse the tank, pumps, lines, hoses, filters and nozzles by circulating clean water through the system. Drain and repeat the rinsing procedure twice.

Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and water courses.

FUNGICIDE RESISTANCE WARNING

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Legend Fungicide is a member of the phenoxyquinoline group of fungicides. For fungicide resistance management the product is a Group 13 Fungicide, which interfere with spore germination and appressoria formation.

Some naturally occurring individual fungi resistant to the product and other 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, Dow AgroSciences Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

Since Legend Fungicide has a unique mode of action, it will control powdery mildew that may be resistant to fungicides from groups with other modes of action. To help prevent the onset of resistance **DO NOT** apply more than two (2) applications of Legend Fungicide to barley crops or three (3) applications to grapes in any one (1) season.

Strategies to minimise the risk of fungicide resistance are available. Refer to Croplife Australia fungicide resistance management strategy or contact your farm chemical supplier, consultant, local Department of Agriculture or local Dow AgroSciences representative.

PRECAUTIONS

RE-ENTRY PERIOD

DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the 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

DO NOT contaminate streams, rivers or waterways with the product or used container.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment that may cause spray drift onto nearby susceptible plants/crops, cropping lands or pastures.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN.

Store in the closed original container in a cool, well-ventilated area, out of direct sunlight.

DO NOT store near food, feedstuffs, fertilisers or seed.

This container can be recycled if it is clean, dry, free of visible residues and has the **drumMUSTER** logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate by adding to the spray tank. Do not dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any **drumMUSTER** collection or similar container management site. The cap should not be replaced but may be taken separately. 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.

SMALL SPILL MANAGEMENT

DO NOT touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways and drains.

Small spills/leaks: Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Dam the area of large spills and report them to Dow AgroSciences Emergency Services at 1-800 370 754.

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APVMA Approval Number.: 53607/101720

This product is GHS compliant. No additional GHS hazard and precautionary statements are required under the WorkSafe Australia exemptions for AgVet products.

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