

Product Name: PROBLAD FUNGICIDE
APVMA Approval No: 70334/138351



Label Name:	PROBLAD FUNGICIDE
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Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	250 g/L BLAD* *BLAD is a naturally occurring seed storage protein in germinated sweet lupins; 20kDa polypeptide of β -conglutin, or fragment of the amino acid sequence of β -conglutin.
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Mode of Action:	GROUP BM01 FUNGICIDE
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Statement of Claims:	For the control of Brown rot and suppression of Blossom blight in stone fruit, control of Powdery mildew in fruiting vegetables, cucurbits and Botrytis grey mould in grapes, berries and other small fruits, as per the directions for use table.
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Net Contents:	0.25 L-1000 L
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Restrains:	<p>RESTRAINTS DO NOT apply by aircraft. DO NOT apply if rain is expected within 4 hours. DO NOT apply when slow drying conditions prevail. DO NOT apply to wet crops. DO NOT make more than 5 applications to any crop in any one season. DO NOT make more than two sequential applications of PROBLAD Fungicide before alternating to a labelled fungicide with a different mode of action.</p> <p>SPRAY DRIFT RESTRAINTS Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.</p>
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	<p>DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.</p> <p>DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.</p> <p>Boom Sprayers DO NOT apply by a boom sprayer unless the following requirements are met:</p> <ul style="list-style-type: none"> • Spray droplets not smaller than a MEDIUM spray droplet size category. <p>Vertical sprayers DO NOT apply by a vertical sprayer unless the following requirements are met:</p> <ul style="list-style-type: none"> • Spray is not directed above the target canopy. • The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	HARVEST: NOT REQUIRED WHEN USED AS DIRECTED
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>FUNGICIDE RESISTANCE WARNING GROUP BM01 FUNGICIDE</p> <p>PROBLAD Fungicide is a member of the polypeptide (from plant extract) group of fungicides. For fungicide resistance management, the product is a Group BM 01 fungicide. Some naturally occurring individual fungi resistant to the product and other Group BM 01 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 BM 01 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, CEV, S.A. accepts no liability for any losses that may result from the failure of this product to control resistant fungi.</p>
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Precautions:	Re-Entry Interval: Do not enter treated areas until spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing). Clothing must be laundered after each day's use.
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Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate wetlands or watercourses with this product or used containers.</p>
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Storage and Disposal:	<p>Keep out of reach of children. Store in the closed, original container in a well ventilated area, as cool as possible. 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.</p> <p>DO NOT burn empty containers or product. DO NOT use empty container for any other purpose.</p> <p>Spillage: In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste as indicated in the Storage and Disposal section or according to Australian Standard 2507 - Storage and Handling of Pesticides. DO NOT allow spilled product to enter sewers, drains, creeks, or any other waterways.</p>
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Safety Directions:	<p>May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist, elbow-length rubber gloves and goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each days use, wash gloves, goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If in eyes wash out immediately with water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.</p>
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First Aid Warnings:	
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Directions for Use Table

CROP/CROP GROUP	DISEASE	RATE	CRITICAL COMMENTS
Stone fruit (Including: Apricot Cherry Nectarine Peach Plum Prune)	Brown rot (<i>Monilinia</i> spp.) Control Blossom blight (<i>Monilinia</i> spp.) Suppression Only	3.0 L / ha where spray volume is less than 1000 L/ha Or 300 mL / 100L water where spray volume equals or exceeds 1000 L/ha	GENERAL: Apply PROBLAD Fungicide in a minimum spray volume of 700L per hectare. Choose the appropriate spray volume for the size of tree and amount of foliage that will provide full coverage throughout the canopy up to the point of run-off. For suppression of Blossom blight during flowering: begin applications prior to disease development during flowering at pink, white or red bud depending on the crop. Make a second application at full bloom and if conditions remain favourable for disease, make another application at petal fall. For control of Brown rot during fruit development and maturity: make applications during the month before harvest on a 7-14 days preventive schedule when conditions favour disease development. Use the shorter spray interval for varieties that are highly susceptible to brown rot development or when severe disease conditions exist.
Wine and Table grapes	Botrytis grey mould (<i>Botrytis cinerea</i>)	2.5 – 3.0 L/ha where spray volume is less than 1000 L/ha Or 250 - 300 mL / 100L water where spray volume equals or exceeds 1000 L/ha	GENERAL: Apply PROBLAD Fungicide in a minimum spray volume of 700L per hectare. Apply prior to the onset of disease development when conditions favour Botrytis development during fruit seating, berries pea-sized, veraison and ripening up to the harvest day at 7-14 days intervals depending on conditions that may favour disease development. Reduce the application interval for varieties that are highly susceptible to Botrytis development or when severe disease conditions exist. Use the lower rate when conditions are less conducive to disease growth.
Berries and other small fruits (Including: strawberries, raspberries and blueberries)	Botrytis grey mould (<i>Botrytis cinerea</i>)	2.5 – 3.0 L/ha where spray volume is less than 1000 L/ha Or 250 - 300 mL / 100L water where spray volume equals or exceeds 1000 L/ha	GENERAL: Apply PROBLAD Fungicide in a minimum spray volume ensuring thorough coverage of the foliage and fruits up to the point of run-off. Apply at 7-14 days intervals depending on conditions that may favour disease development. Reduce the application interval for varieties that are highly susceptible to Botrytis development or when severe disease conditions exist. Use the lower rate when conditions are less conducive to disease growth.
Fruiting vegetables, Cucurbits in open field and protected conditions (Including: cantaloupe, cucumber, gherkin, gourd, melon, pumpkin, summer squash, watermelon, zucchini)	Powdery mildew (<i>Podosphaera xanthii</i> ; <i>Sphaerotheca fuliginea</i>)	2.0 -3.0 L / ha where spray volume is less than 1000 L/ha Or 200 to 300 mL / 100L water where spray volume equals or exceeds 1000 L/ha	GENERAL: Apply PROBLAD Fungicide in a minimum spray volume of 300L per hectare. Apply prior to the onset of disease development when conditions favour disease development from flowering (first flower open) up to fruit ripe at 7-14 days intervals depending on conditions that may favour disease development. Reduce the application interval for varieties that are highly susceptible to disease development or when severe disease conditions exist. Use the lower rate when conditions are less conducive to disease growth.

APPLICATION INSTRUCTIONS

Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient product to cover the crop to the point of run-off or under dosing will occur and disease control may be inadequate. Avoid excessive run-off.

GENERAL INSTRUCTIONS

PROBLAD Fungicide is a broad spectrum, contact, preventive fungicide formulated as a soluble concentrate containing 250 grams active ingredient per litre. PROBLAD Fungicide is used for the control Brown rot and suppression of Blossom blight in stone fruit, Powdery mildew in fruiting vegetables, cucurbits and Botrytis grey mould in grapes, berries and other small fruits. Apply as a foliar spray alone, in alternating fungicide spray programs. Applications should be made once conditions favouring disease development exist and prior to any sign of disease.

Preparation of the Spray Solution: Ensure the spray tank is clean and free of residues from previous spray treatments. Fill the spray tank $\frac{3}{4}$ full with clean water. Shake the container and pour the required amount of PROBLAD Fungicide into the sprayer tank while the tank agitation system is operating. Add specified amount of PROBLAD Fungicide while filling with the appropriate amount of water into the spray tank. Maintain agitation. It is recommended that the spray solution has a pH above 6. Adjust pH if necessary. Do not store the mixture overnight.

Spray Volume: Apply PROBLAD Fungicide through appropriate ground equipment in a minimum spray solution per hectare as noted in the “critical comments” of directions for use table for each crop or crop grouping. Increase spray volume as crop growth increases to ensure thorough coverage of the foliage and fruit. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied.

Application Instructions: Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient product to cover the crop to the point of run-off or under dosing will occur and disease control may be inadequate. Avoid excessive run-off.

Rainfast Period: PROBLAD Fungicide requires two to four hours drying time on plant foliage for the active ingredient to fix into the plant tissue before rain or irrigation occurs. If, during the next 12 hours it rains significantly, a new application will be needed as soon as possible during the next 4 days.

Under High or extreme infection pressure:

Efficacy may be compromised under high or extreme infection pressure. Treatment should be made prior to disease infection, once conditions favour disease development, and continue until the threat of disease passes. Repeated applications may be required to protect new growth. Reduce the spray interval when weather conditions favour disease development, such as following rainfall events and during high humidity.

Pre-Harvest Interval: PROBLAD Fungicide can be applied up to and during the day of harvest.

Integrated Disease Management (IDM): Integrate PROBLAD Fungicide into a disease management strategy that follows practices known to reduce disease development and prevent fungicide resistance. Consult local agricultural advisors for specific IDM strategies meeting the specific crop and location. PROBLAD is a contact fungicide with penetration properties. For resistance management purposes:

- Do not make more than five foliar applications of PROBLAD per crop season.
- Do not make more than two sequential applications of PROBLAD before alternating to a labelled fungicide with a different mode of action.

COMPATIBILITY

DO NOT tank mix with products containing a prohibition against tank mixing. PROBLAD Fungicide may be mixed with foliar fertilizers, provided that the fertilizer is added after PROBLAD Fungicide has been diluted to the recommended field application. Follow the most restrictive labelling requirements of any tank mix product. To determine the physical compatibility of PROBLAD Fungicide with other products use a jar test. The following procedure should be followed: Pour the specified proportions of the products into a suitable container of one quart of water; mix thoroughly and allow to stand for at least 15 minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered a homogeneous solution and physically compatible. If separation occurs (e.g. oils float to top, clumps of solids form, etc.), the combination is incompatible and cannot be used. For further information, contact your local Grochem representative.