

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# ProBlad®

## FUNGICIDE

**ACTIVE INGREDIENT: 250g/L BLAD\***

\*BLAD is the naturally occurring seed storage protein in germinated sweet lupins; 20 kDa polypeptide of  $\beta$ -conglutin, or fragment of the amino acid sequence of  $\beta$ -conglutin.

GROUP	BM 01	FUNGICIDE
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**For the suppression of Brown rot and Blossom blight in Stonefruit as per the directions for use table**

### NET CONTENT: 10 Litres



**Manufacturer:**  
CEV, S.A.  
Zona Industrial de Cantanhede  
Lote 120, 3060-197 Cantanhede  
PORTUGAL

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APVMA Approval No. 70334/63200

DIRECTIONS FOR USE			CRITICAL COMMENTS
CROPS	DISEASE	RATE	
Stonefruit (including Apricot Cherry Nectarine Peach Plum Prune)	Brown rot, Blossom blight ( <i>Morillinia</i> spp.) Suppression	3.0 L / ha where spray volume is less than 1000 L/ha Or 300 mL / 100 L water where spray volume equals or exceeds 1000 L/ha	<b>GENERAL:</b> Apply PROBLAD Fungicide in a minimum spray volume of 465L per hectare. Apply at 7-14 day intervals depending on conditions that may favour disease development. Reduce the application interval for varieties that are highly susceptible to the indicated diseases or when severe disease conditions exist. The use of ground application after petal fall is preferred because of difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and fruit.  For suppression of brown rot and blossom blight, begin application at pink, white or red bud depending on the crop. Make a second application at full bloom and if conditions remain favorable for disease, make another application at petal fall. For brown rot on fruit a second set of treatments should be applied at least a month before harvest.
<b>RESTRAINTS:</b> 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 labeled fungicide with a different mode of action.			

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

**WITHHOLDING PERIOD HARVEST:** NOT REQUIRED WHEN USED AS DIRECTED

#### WARNING

DO NOT apply during surface temperature inversion conditions at the application site. Except when applying with orchard airstream 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 BCPC Guideline.

DO NOT direct the spray above trees or vines during airstream applications. TURN OFF outward pointing nozzles at row ends and outer rows during airstream applications.

#### RAINFEST 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.

#### 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 suppression of many important fungal plant diseases. 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 ¾ 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. Do not store the mixture overnight.

**Spray Volume:** Apply PROBLAD Fungicide in a minimum 465L of spray solution per hectare through appropriate ground equipment. Ensure the minimum amount of product per hectare is used. 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.

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

**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.

#### Integrated Pest Management (IPM):

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 IPM 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 labeling 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 is 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.

#### FUNGICIDE RESISTANCE WARNING

##### GROUP BM 01 FUNGICIDE

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.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate wetlands or watercourses with this product or used containers.

#### STORAGE AND DISPOSAL

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. DO NOT burn empty containers or product. DO NOT use empty container for any other purpose.

**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.

#### SAFETY DIRECTIONS

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 day's use, wash gloves, goggles and contaminated clothing.

#### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764766. If in eyes wash out immediately with water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

#### SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which is available from Grochem Australia Pty Ltd. For a copy phone 1800 777 068 or visit the website [www.grochem.com](http://www.grochem.com)

#### WARRANTY

Grochem makes no warranty expressed or implied, concerning the use of this product other than that indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS – AUSTRALIA WIDE
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