

A BROAD SPECTRUM BIOFUNGICIDE FOR THE CONTROL OF POWDERY MILDEW, BOTRYTIS, MONILINIA

AND OTHER DISEASES IN CERTAIN CROPS

ACTIVE INGREDIENT:	
Banda de Lupinus albus doce (BLAD)*	20%
OTHER INGREDIENTS:	80%
TOTAL	100%

1 gallon of PROBLAD VERDE contains 2.1 lbs of BLAD protein.

EPA Reg. No. 84876-2

EPA Est. No. 84876-PRT-001

# KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID							
If in eyes  • Hold eye open and rinse slowly and gently with water for 15-20 minut							
	Remove contact lenses, if present, after the first 5 minutes, then						
	continue rinsing eye.						
	Call a poison control center or doctor for treatment advice.						
If on skin or  • Take off contaminated clothing.							
• Rinse skin immediately with plenty of water for 15-20 minutes.							
	Call a poison control center or doctor for treatment advice.						
If inhaled	Move person to fresh air.						
• If person is not breathing, call 911 or an ambulance, then give artificial							
	respiration, preferably by mouth-to-mouth, if possible.						
	Call a poison control center or doctor for further treatment advice.						

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 (National Pesticide Information Center) for emergency medical treatment information.

Manufactured By: CEV, S.A. Zona Industrial de Cantanhede Lote 120 3060-197 Cantanhede Portugal





Distributed By:



PO Box 71 Visalia, CA 93279

Net Content:	

Batch Code:

<sup>\*</sup>BLAD is a naturally-occurring seed storage protein in sweet lupines; it is a 20 kDa polypeptide of  $\beta$ -conglutin, or characterized as a fragment of the amino acid sequence of  $\beta$ -conglutin.

### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**: Causes moderate eye irritation. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

### PERSONAL PROTECTIVE EQUIPMENT Applicators, mixers, loaders and other handlers must wear:

Long-sleeved shirt and long pants

- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- · Shoes plus socks
- Protective evewear A NIOSH-approved particulate respirator with any N. R. or P filter with NIOSH approval number prefix TC-84A, or a NIOSH-approved powered air-purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. (Repeated exposure to high

concentrations of microbial proteins can cause allergic sensitization). Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Engineering Controls: When handlers use enclosed cabs in a manner that meets requirements

listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## **User Safety Recommendations**

Users should: Wash hands before drinking, eating, chewing gum, using tobacco or using the toilet.

- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- ENVIRONMENTAL HAZARDS For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### DIRECTIONS FOR USE

responsible for pesticide regulation.

It is a violation of Federal law to use this product in a manner inconsistent with the terms of the Label. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Carefully read and understand the Directions for Use and restrictions before applying this product. For any requirements specific to your State or Tribe, consult the State or Tribal agency

### AGRICULTURAL USE REQUIREMENTS Use this product only in accordance with its labeling and with the Worker Protection Standard.

workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in

40 CFR Part 170. This Standard contains requirements for the protection of agricultural

this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or

- Long-sleeved shirt and long pants • Chemical-resistant gloves made of any waterproof material such as polyethylene or
- polyvinyl chloride

water, is:

chemigation.

· Shoes plus socks

Resistance Management Recommendations

Protective evewear

### GENERAL INFORMATION

the control or suppression of many important plant diseases. Apply as a foliar spray alone, or in tank mixes with other registered pesticides. Apply PROBLAD VERDE with spray equipment commonly used for making ground, as well as sprinkler/irrigation systems commonly used for

PROBLAD VERDE is a broad spectrum, preventive biofungicide formulated as a suspension concentrate containing 2.1 lbs BLAD active ingredient per gallon, PROBLAD VERDE is used for

For resistance management, please note that PROBLAD VERDE contains a Group BM 01 fungicide. Fungal isolate strains with acquired resistance to Group BM 01 may eventually dominate the fungal population if Group BM 01 fungicides are used repeatedly in the same field or successive years as the primary method of control for targeted species. This may result in partial loss of control of those species by PROBLAD VERDE or other Group BM 01 products.

To delay fungicide resistance, consider the following steps:

- Avoid the consecutive use of PROBLAD VERDE or other Group BM 01 fungicides that
- Use tank mixtures or premixes with fungicides from different action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
  - Adopt a comprehensive IPM program for fungicide use.
    - Monitor treated fungal populations for loss of field efficacy.

have a similar target site of action on the same pathogens.

- Contact your local extension specialist or certified crop advisor for any additional
- pesticide resistance-management and/or IPM recommendations for specific crops and

resistant pathogens. For further information or to report suspected resistance, you may contact your pesticide distributor or company at http://www.cev.com.pt/en/about-us/

Preparation of the Spray Solution: Ensure the spray tank is clean and free of residues from previous spray treatments. Fill the spray tank 3/4 full with clean water. Shake the container and pour the required amount of PROBLAD VERDE into the sprayer tank while the tank agitation 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 effective results, especially when lower spray volumes are applied.

Compatibility: Do not tank mix with products containing a prohibition against tank mixing. PROBLAD VERDE may be mixed with foliar fertilizers, provided that the fertilizer is added after

PROBLAD VERDE 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 VERDE with other products use a jar test. The following procedure must 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

system is operating. Add specified amount of PROBLAD VERDE 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 VERDE in a minimum of 10 gallons of spray solution per acre for ground equipment, except as noted under "Application Instructions" for each crop. Increase

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 CEV representative.

Chemigation Application: Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, drip (trickle) or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect any irrigation system, including greenhouse systems, used for pesticide application to a public water system. Crop injury, lack of effectiveness or illegal residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

A person knowledgeable of the Chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary

adjustments should the need arise.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
 Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream form the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end

from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

valve to prevent the flow of fluid back toward the injection.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is

either automatically or manually shut down.

5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must also contain a functional, automatic, quick-

water pump, when the water pressure decreases to the point where pesticide distribution is

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with

pesticides and capable of being fitted with a system interlock.

adversely affected.

adversely affected.

closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The

irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment. PROBLAD VERDE should be applied continuously for the duration of the water application. PROBLAD VERDE should be diluted in sufficient volume to ensure accurate application over the area to be treated. Use the appropriate amount of water to carry the product to the target pest. Agitation generally is not required when suitable diluents are used. A diluents test should be conducted to ensure that phase separation would not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable control.

the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. PROBLAD VERDE may be applied through irrigation systems, which may be supplied by a public water system only if water from the water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

Using Water from Public Water Systems: do not apply PROBLAD VERDE through any irrigation system physically connected to a public water system. Public water system means a system for

approved for use on the crop. Add to spray solutions according to the manufacturer's use instructions.

Pre-Harvest Interval: Do not harvest until 1 day after last application.

Integrated Pest Management (IPM): Integrate PROBLAD VERDE into a disease management

Use of Adjuvants: If needed, add a high quality wetting agent, sticker or other spray adjuvant,

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.

## **USE DIRECTIONS (Applications, Rates, Timings)**

Note: PROBLAD VERDE requires two to four hours drying time on plant foliage for the active ingredient to fix on plant tissue before rain or irrigation occurs. Following the application, if, during the next 12 hours it rains significantly, a new application will be needed within the next 4 davs.

 Do not make more than 5 foliar applications per harvest cycle. Do not make more than two sequential applications of PROBLAD VERDE before alternating or tank mixing with another labeled fungicide with a different FRAC code.

• Do not harvest until 24 hours after last application. ALMOND

\*TREE NUT (Crop group 14-12):

African nut-tree; Beech nut; Brazil nut; Brazilian pine; Bunya; Bur oak; Butternut; Cajou nut;

Candlenut; Cashew; Chestnut. Chinquapin; Coquito nut; Dika nut; Ginkgo; Guiana; Hazelnut

(Filbert): Heartnut: Hickory nut: Japanese horse-chestnut: Macadamia nut (bush nut):

Mongongo nut; Monkey-pot; Monkey puzzle nut; Okari nut; Pachira nut; Peach palm nut;

Disease Control

Blossom blight

(Monilinia sp.)

(Monilinia spp.)

\*Alternaria late blight (Alternaria alternata)

\*Green fruit rot (Jacket rot)

(Botrytis cinerea, Monilinia

(Rhizopus stolonifer and

\*Cylindrocarpon dieback

(Sphaerotheca pannosa)

(Taphrina deformans)

(Tranzschelia discolor)

(Venturia carpophila, Venturia effusa) \*Shot hole

(Wilsonomyces carpophilus)

Brown rot

\*Leaf spots (Alternaria spp.)

laxa, Sclerotinia

sclerotiorum)

Monilinia spp.)

(Cylindrocarpon destructans)

\*Powdery mildew

\*Peach leaf curl

\*Rust

\*Scab

\*Hull rot

Pecan; Pequi; Pili nut; Pine nut; Pistachio; Sapucaia nut; Tropical almond; Walnut black and

18.1 to 45.7 fl oz/A

(0.3 - 0.75 lb ai/A)

English (Persian); Yellowhorn; cultivars, varieties, and/or hybrids of these. Application Rate

necessary.

Not For Use in California except Almond for the control of Blossom blight and Brown rot (Monilinia spp.)

Application Instructions Apply in a minimum spray volume of 50

optimum disease control.

Use directions for Almonds:

another application at petal fall.

development. Increase spray volume as growth increases in order to provide

thorough coverage of foliage and fruit for

For control of Brown rot blossom blight,

begin application at pink bud. If the bloom

period is extended, and/or severe disease

conditions exist, make a second application at full bloom. If conditions

remain favorable for disease, make

For control of Hull rot, Jacket rot and

Alternaria apply prior to onset of disease development. Hull rot Monilinia, is best

managed with treatments 3-4 weeks prior to hull split. Make a second application 7

to 14 days after initial application to assure protection through growth stage.

For Hull rot Rhizopus begin applications at

10% hull split. Follow up with a second

application at 20-40% hull split, if

gallons per acre by ground. Apply as a

foliar spray every 7 to 10 days for foliar diseases. Begin applications preventively when conditions are favorable for disease

*BRASSICA LEAFY GREENS (Crop Subgroup 4-16B) Arugula; Broccoli, Chinese; Broccoli raab; Cabbage, abyssinian; Cabbage, Chinese, bok choy; Cabbage, seakale; Collards; Cress, garden; Cress, upland; Hanover salad; Kale; Maca, leaves; Mizuna; Mustard greens; Radish, leaves; Rape greens; Rocket, wild; Shepherd's purse; Turnip greens; Watercress; cultivars, varieties, and hybrids of these commodities.					
Disease Control		Application Instructions			
Gray mold ( <i>Botrytis cinerea</i> )	18.1 to 45.7 fl oz/A (0.3 - 0.75 lb ai/A)	Apply as a foliar spray in sufficient water to attain thorough coverage. Use of an adjuvant may enhance spray coverage,			
Powdery mildew		especially of waxy leaves.			
(Erysiphe spp.)		Begin preventive sprays when conditions favor disease development, and continue			
White mold		on a 7 to14 days spray interval as needed.			
(Sclerotinia sclerotiorum)					
		White mold: Apply in 30–50 gallons of water per acre as a directed spray toward soil surface and lower leaves. Begin applications at head formation, before leaves contact the ground. Repeat every 7 to 14 days as needed to maintain control.			
*Not For Use in California					
CHERRY (Crop Subgroup 12-12A), PEACH (Crop Subgroup 12-12B) and PLUM (Crop Subgroup 12-12C): Cherry subgroup: Capulin; Cherry, black; Cherry, Nanking; Cherry, sweet; Cherry, tart; cultivars, varieties, and/or hybrids of these. Peach subgroup: Peach; Nectarine; cultivars, varieties, and/or hybrids of these. Plum subgroup: Apricot; Apricot, Japanese; Jujube, Chinese; Plum; Plum, American; Plum, beach; Plum, Canada; Plum, cherry; Plum, Chickasaw; Plum, Damson; Plum, Japanese; Plum, Klamath; Plumcot; Plum, prune; Sloe; cultivars, varieties, and/or hybrids of these.					
Disease Control	Application Rate	Application Instructions			
Blossom blight	18.1 to 45.7 fl oz/A	Blossom blight phase: Begin			
( <i>Monilinia</i> spp.) Brown rot	(0.3 - 0.75 lb ai/A)	applications at tight bud prior to disease development and continue on a 7 to 14 days preventive interval if conditions			
(Monilinia spp.)		continue to favor disease development.			
*Powdery mildew ( <i>Podosphaera pannosa</i> , <i>Podosphaera leucotricha</i> ,		Under conditions of weather favoring severe disease pressure apply the higher labeled rate.			
Podosphaera spp., Sphaerotheca spp.)		Brown rot phase: Make applications during the month before harvest on a 7 to 14 days preventive schedule when			
*Gray mold Botrytis blossom blight ( <i>Botrytis cinerea</i> )		conditions favor disease development.  Botrytis: For control of Botrytis gray			
*Ripe fruit rot ( <i>Monilinia fruticola, Monilinia</i> laxa, Botrytis cinerea,		mold apply prior to onset of disease development when conditions favor Botrytis development up to the harvest.			

Rhizopus spp.) Powdery mildew: Begin applications \*Alternaria late blight preventively when conditions

(Alternaria alternata)

favorable for disease development and continue on a 7 to 10 days interval if

conditions continue to favor disease \*Leaf spots

rate.

development. Under conditions of severe disease pressure, use the higher labeled

(Alternaria spp.)

\*Peach leaf curl

\*Rust

\*Scab

(Taphrina deformans)

(Tranzschelia discolor)

(Venturia carpophila) \*Shot hole

(Wilsonomyces carpophilus) \*Not For Use in California

*COFFEE		
Disease Control	Application Rate	Application Instructions
Coffee leaf rust (CLR)	18.1 to 45.7 fl oz/A	PROBLAD VERDE can be integrated into
(Hemileia vastatrix)	(0.3 - 0.75 lb ai/A)	adapted programs, with applications
(Fichinola Vasialis)	(0.0 0.70 10 0.71)	preferably made prior to onset of disease
Coffee berry disease (CBD)		development for preventative control.
(Colletotrichum kahawae)		development for preventative control.
(Concionionam Kanawac)		Start application at the onset of the
Red blister disease		flowering season and continue on a 15 to
(Cercospora coffeicola)		30 days interval to maintain disease
(corosopora correrona)		control. It is recommended to apply the
		higher rate as a foliar spray with back
		pack sprayer using a spray volume of 16.5
		gallons of water per acre to assure
		through coverage the entire coffee tree
		with emphasis on the underside and
		topside of the leaves. Beware that CLR
		reproduces in the underside of coffee
		leaves. If CLR symptoms are evident,
		spray the leaves and the orange colour
		spores directly. Motorized sprayers are
		not recommended for initial CLR
		treatments to contain spores spreading.
*Not For Use in California		
GRAPE (Crop Group 13): Disease Control	Application Data	Application Instructions
Botrytis gray mold	Application Rate 18.1 to 45.7 fl oz/A	Application Instructions  Apply in a minimum of 40 gallons of spray
(Botrytis cinerea)	(0.3 - 0.75 lb ai/A)	solution per acre. Increase spray volume as
(,	(**************************************	vine growth increases in order to provide
Powdery mildew		thorough coverage of vines and fruit for
(Erysiphe necator Schw.)		optimum disease control.
*Anthracnose		Powdery Mildew
(Elsinoe spp.)		Apply in a preventive spray schedule. Make
(Librico app.)		the first application before bloom and continue
		applications using spray intervals of up to 14
		days in low to moderate disease pressure at
		lower rates in the rate range. Use higher rates
		and a 14-day schedule when disease pressure is severe.
		is severe.
		Botrytis
		For control of Botrytis gray mold apply prior to
		onset of disease development when conditions
		favor Botrytis development during early bloom,
		bunch pre-closure, veraison and ripening up to the harvest day.
		the harvest day.
		Anthracnose
		Begin application when new shoots are 1 to 3
		inches in length. Reapply on a protectant
Miles For Hearin Collinaria		schedule that does not exceed 10 days.
*Not For Use in California		

HERB FRESH LEAVES (Crop subgroup 25A):  Agrimony; Amla; Angelica; Angelica, dahurian; Applemint; Avarum; Balloon pea; Balm; Barrenwort; Basil; Basil, American; Basil, Greek; Basil, holy; Basil, lemon; Basil, Russian; Bay; Bearberry; Bisongrass; Blue mallow; Boneset; Borage; Borage, Indian; Burnet; Burnet, garden; Burnet, salad; Butterbur; Calamint; Calamint, large-flower; Calamint, lesser; Calendula; Caltrop; Camomile (Chamomile); Camomile (Chamomile), German; Camomile (Chamomile), Roman; Caraway; Catl's claw; Catnip; Catnip, Japanese; Celandine, greater; Celandine, lesser; Centaury; Chaste tree; Chiatese tree, Chinese; Chinese blackberry; Chinese foxglove; Cicely, sweet; Clary; Coriander, Bolivian; Coriander, Vietnamese; Costmary; Creat; Culantro; Curry leaf; Curryplant; Cut leaf; Damiana; Dokudami; Echinacea; Epazote; Eucommia; Evening primrose; Eyebright; Fennel, common; Fennel, Spanish; Fenugreek; Feverfew; Field pennycress; Flowers, edible, fresh; Fumitory; Galbanum; Galega; Gambir; Geranium; Geranium, lemon; Geranium, rose; Germander, golden; Goldenrod, European; Goldenseal; Gotu kola; Greater periwinkle; Guayusa; Gumweed; Gymnema; Gypsywort; Hawthorn; Heal-all; Hemp nettle; Honewort; Honeybush; Horehound; Horsemint; Horsetail; Hyssop; Hyssop, anise; Indian tobacco; Ironwort; Ivy; Jamaica dogwood; Jasmine; Labrador tea; Lavender; Lemon verbena; Lemongrass; Lovage; Love-in-a-mist; Mamaki; Marigold, Marigold, African; Marigold, Aztec; Marigold, French; Marigold, Irish lace; Marigold, licorice; Marigold, Mexican mint; Marigold, signet; Marjoram; Marjoram, pot; Marjoram, sweet; Marshmallow; Meadowsweet; Mint; Mint, corn; Mint, Korean; Monarda; Moringa; Motherwort; Mountainmint; Mountainmint, clustered; Mountainmint, hoary; Mountainmint, Virginia; Mountainmint, whorled; Mugwort; Mulberry, white; Mullein; Mustard, hedge; Nasturtium; Nasturtium, bush; Nasturtium, garden; Nettle, stinging; Oregano; Oregano, Mexican; Oregano, Puerto Ricc; Oswego tea; Pandan leaf; Pansy; Paracress; Partridge berry; Patchouli; Penny				
Disease Control	Application Rate	Application Instructions		
Botrytis gray mold Botrytis head blight ( <i>Botrytis cinerea</i> )	18.1 to 45.7 fl oz/A (0.3 - 0.75 lb ai/A)	Begin application when environmental conditions are conducive to disease development. Repeat on 5- to 10-day intervals or as needed.		
Alternaria leaf blight (Alternaria spp.)		Begin applications after plant emergence or immediately after transplanting.		
Anthracnose (Colletotrichum spp.)		Mix spray volume appropriate for sufficient coverage.		
Bacterial blight (Pseudomonas syringae)		Use higher rate when disease is present on foliage		
Sclerotinia rot Sclerotinia and Bottom rot direct spray toward soil surface and lower leaves. Begin application (Sclerotinia spp.) before leaves contact the ground.				
Bottom rot ( <i>Rhizoctonia solani</i> )				
Rust ( <i>Puccinia</i> spp.)				
Powdery mildew ( <i>Oidium</i> spp.)				
Septoria leaf spot (Septoria spp.)				
Cercospora leaf spot (Cercospora spp.)				
*Not For Use in California				

American; Basil, Greek; Basil, holy; Borage; Borage, Indian; Burnet; Calamint, Iesser; Calendula; Call (Chamomile), Roman; Caraway; Celery; Centaury; Chaste tree; Cha Chinese; Cicely, sweet; Cilantro; Curry leaf; Curryplant; Cut leaf; Dar Eyebright; Fennel, common; Fenn Fumitory; Galbanum; Galega; Ga Goldenrod, European; Goldenseal; Hawthorn; Heal-all; Hemp nettle; HI Indian tobacco; Ironwort; Ivy; Jame Lemongrass; Lovage; Love-in-a-m Marigold, Irish lace; Marigold, Iloc Marshmallow; Meadowsweet; Min Mountainmint, clustered; Mountainr white; Mullein; Mustard, hedge; Noregano, Mexican; Oregano, Puer Patchouli; Pennyroyal; Pepper leaf, Rooibos; Rose; Rosemary; Sage; Senna; Siberian fir; Skullcap; Sme Spearmint; Spearmint; Spearmint; Spearmint; Spearmint; Tymme, Trnailing arbutus; Vasaka; Verbena, Woodruff; Wormwood; Wormwood; Wormwood; Wormwood; Wormwood; Willd bergamot; Cultiv	a, dahurian; Appleminit; A Basil, lemon; Basil, Russia Burnet, garden; Burnet, rop; Camomile (Chamon Dat's claw; Catnip; Catnip Ste tree, Chinese; Chervil; Dlary; Coriander, Bolivian; miana; Dillweed; Dokudam el, Florence; Fenugreek; ambir; Geranium; Geranii Gotu kola; Greater periv onewort; Honeybush; Hore aica dogwood; Jasmine, di ist; Mamaki; Marigold; Mi rice; Marigold, Mexican rt t; Mint, corn; Mint, Kore mint, hoary; Mountainmint, Lasturlium; Nasturlium, bu o Rico; Oswego tea; Panc black; Peppermint; Perilla Sage, Greek; Sage, Spai all flower willow head; So nthes; Spotted beebalm; screeping; Thyme, lemon; blue; Veronica; Violet; W I, Roman; Yarrow; Yellow vars, varieties, and hybride			
Disease Control  Botrytis gray mold  Botrytis head blight	18.1 to 45.7 fl oz/A (0.3 - 0.75 lb ai/A)	Application Instructions  Begin application when environmental conditions are conducive to disease development. Repeat on		
(Botrytis cinerea)	(0.3 - 0.75 ID al/A)	5- to 10-day intervals or as needed.		
Alternaria leaf blight ( <i>Alternaria</i> spp.)		Begin applications after plant emergence or immediately after transplanting.		
Anthracnose (Colletotrichum spp.) Mix spray volume appropriate for sufficient coverage.				
Bacterial blight Use higher rate when disease is present on foliage (Pseudomonas syringae)				
Sclerotinia rot (Sclerotinia spp.)  For Sclerotinia and Bottom rot direct spray towards soil surface and lower leaves. Begin application before leaves contact the ground.				
Bottom rot (Rhizoctonia solani)				
Rust (Puccinia spp.)				
Powdery mildew (Oidium spp.)				

Septoria leaf spot (Septoria spp.)

Cercospora leaf spot (Cercospora spp.) \*Not For Use in California

1101 0		
Disease Control	Application Rate	Application Instructions
Botrytis gray mold	18.1 to 45.7 fl oz/A	Begin applications preventively at the first
(Botrytis cinerea)	(0.3 - 0.75 lb ai/A)	sign of disease or when favorable
		conditions exist, targeting the younger
Powdery mildew		susceptible leaves and cones, and
(Podosphaera macularis)		continue on a 5 to 10 days interval as
		needed.
*Not For Use in California		

\*HOPS

(Fodospilaera maculans)		needed.		
*Not For Use in California		noodod.		
*LEAFY GREENS (Crop Sub	group 4-16A)			
Amaranth, Chinese; Amaran	th, leafy; Aster, India	an; Blackjack; Cat's whiskers; Cham-chwi;		
		santhemum, garland; Cilantro, fresh leaves;		
		wi, leaves; Dillweed; Dock; Dol-nam-mul;		
		ockscomb; Good King Henry; Huauzontle;		
		leaf; Orach; Parsley, fresh leaves; Plantain,		
		rslane, winter; Radicchio; Spinach; Spinach,		
		er; Swiss chard; Violet, Chinese, leaves;		
cultivars, varieties, and hybrid Disease Control				
Alternaria leaf spot	Application Rate 18.1 to 45.7 fl oz/A	Application Instructions  Begin applications soon after plant		
(Alternaria spp.)	(0.3 - 0.75 lb ai/A)	emergence or transplanting and repeat on		
(Апетана Spp.)	(0.3 - 0.73 ID al/A)	7 to 14 days interval as long as conditions		
Downy mildew		favor disease development.		
(Bremia lactucae,		Apply as a foliar spray in sufficient water		
Peronospora spp.)		to achieve thorough coverage of all		
		above-ground plant parts.		
Gray mold				
(Botrytis cinerea)		Bottom rot: Apply in 30-50 gallons of		
water per acre as a directed spray toward				
Bottom rot		soil surface and lower leaves.		
(Rhizoctonia solani)		Begin applications at head formation,		
D		before leaves contact the ground. Repeat		
Powdery mildew		every 7 to 14 days as needed to maintain		
(Erysiphe spp.)		control.		
White mold		White mold: Apply in 30-50 gallons of		
(Sclerotinia sclerotiorum)		water per acre as a directed spray toward		
(Solorotima Solorotioram)		soil surface and lower leaves.		
		Make first application to direct-seeded		
		lettuce immediately after emergence. For		
		transplanted lettuce, make first application		
		immediately after transplanting. In both		
		cases, apply prior to disease		
		development. Apply again if soil is		
		disturbed by cultivation or thinning and		
		conditions continue to favor disease		
***********		development.		
*Not For Use in California				

<sup>\*</sup>Not For Use in California

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	MELON (Crop Subgroup 9A) and SQUASH/CUCUMBER (Crop Subgroup 9B):					
			ybrids and/or cultivars of Cucumis melo			
			Crenshaw melon, Golden pershaw melon,			
			rsian melon, Pineapple melon, Santa Claus			
	melon, and Snake melon); Wa					
			inese waxgourd; Cucumber; Gherkin; Gourd			
			dica spp. (including Balsam apple, Balsam			
			n; Squash, summer (including Crookneck			
			getable marrow, Zucchini); Squash, winter			
	Uncluding Butternut squash, Control		uash, Acorn squash, Spaghetti squash).			
		Application Rate	Application Instructions			
	Powdery mildew	18.1 to 45.7 fl oz/A	3 11			
	(Golovinomyces	(0.3 - 0.75 lb ai/A)	disease development begins and continue			
	cichoracearum [syn.		applications on a 7 to 10 days preventive			
	Erysiphe cichoracearum		interval if conditions continue to favor			
	s.l.], Podosphaera xanthii		disease development. Under conditions			
	[syn. Sphaerotheca		of weather favoring severe disease			
	fuliginea])		pressure apply the higher labeled rate or shorter interval. Apply the specified rate			
	*Gray mold		as a foliar spray in a minimum of 35-40			
	(Botrytis cinerea)		gallons per acre to assure through			
	(Bottytis cinerea)		coverage of plants.			
	*Gummy stem blight		overage of plants.			
	(Didymella bryoniae)					
	(Diagrillona bi yornao)					
	*White mold					

\*Not For Use in California

\*Anthracnose

(Sclerotinia sclerotiorum)

*PEANUTS		
Disease Control	Application Rate	Application Instructions
Early leaf spot	18.1 to 45.7 fl oz/A	Apply in a minimum spray volume of 20
(Passalora arachidicola)	(0.3 - 0.75 lb ai/A)	gallons per acre.
		Begin applications at preventively at the
Late leaf spot		first sign of disease or when favorable
(Nothopassalora personata)		conditions exist. Continue applications at
		10 to 14-days intervals
White mold		
(Sclerotium rolfsii)		

\*Not For Use in California

*PEPPER/EGGPLANT	(Crop Subgi	oup 8-10B)	and *NONE	BELL PEPPER/EGG	PLANT (Crop
Subgroup 8-10C):					
African eggplant; Bell pe	pper; Eggplant	; Martynia; N	onbell pepper;	Okra; Pea eggplant; P	epino; Roselle;

Scarlet eggplant; cultivars, varieties, and/or hybrids of these. Application Instructions Disease Control Application Rate 18.1 to 45.7 fl oz/A Gray mold Begin applications prior to onset of disease (0.3 - 0.75 lb ai/A) development and continue on a 7 to 10 days (Botrvtis cinerea) interval to maintain disease control. Under Powdery mildew conditions of severe disease pressure, use the (Leveillula taurica, Oidium higher rate. Apply the specified rate as a foliar neolycopersici, Podosphaera spp.) spray in a minimum of 20 gallons or more of water per acre to assure through coverage of plants. White mold (Sclerotinia sclerotiorum) Late blight (Phytophthora infestans) Target spot (Corynespora cassiicola)

(Passalora fulva) \*Not For Use in California

\*POME FRUIT (Crop Group 11-10):

Leaf mold

Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Pear; Asian; Quince; Quince, Chinese; Quince				
Japanese; Tejocote; cultivars; varieties and/or hybrids of these.				
Disease Control	Application Rate	Application Instructions		
Powdery mildew (Podosphaera	18.1 to 45.7 fl oz/A	Powdery mildew: Begin applications at tight cluster		
leucotricha)	(0.3 - 0.75 lb ai/A)	to pink bud, prior to disease development and		
		continue on a 10 to 14 days preventive interval if		
Gray mold		conditions continue to favor disease development.		
(Botrytis cinerea)		Under conditions of infestation favoring severe		
		disease pressure apply the higher labeled rate.		
Fire blight				
(Erwinia amylovora)		Fire blight: Begin applications preventively at early		
		bloom through petal fall, on a 3 to 6 days interval		
Scab		when conditions favor development of disease.		
(Venturia inaequalis)		After petal fall, apply for twig blight on a 10 to 14		
		days interval.		
Sooty blotch				
(Peltaster fructicola, Geastrumia		Scab: Begin applications at tight cluster to pink		
polystigmatis, Leptodontium		bud, prior to disease development and continue on		
elatius)		a 10 to 14 days preventive interval if conditions		
		continue to favor disease development. Under		
Flyspeck		conditions of infestation favoring severe disease		
(Zygophiala jamaicensis)		pressure apply the higher labeled rate.		
Di II		Dre Henrich use to control Deet, Henrich		
Blue mold		Pre-Harvest use to control Post- Harvest		
(Penicillium expansum, Penicillium		diseases (Blue mold, Gray mold, Mucor rot, Rhizopus soft rot and Bull's eye rot): Apply as a		
spp.)		pre-harvest spray within 10 to 1 days of harvest.		
Mucor rot		Thorough coverage of the fruit is required.		
(Mucor piriformis)		Application closer to harvest may provide better		
(Mucor piliornis)		efficacy.		
Rhizopus soft rot		omodoy.		
(Rhizopus stolonifer, Rhizopus				
spp.)				
1 9hh-1	1	T .		

(Neofabraea spp.) \*Not For Use in California

Bull's eve rot

Aronia berry; Blueberry, highbush; Blueberry, lowbush; Buffalo currant; Chilean guava Cranberry, highbush; Currant, black; Currant, red; Elderberry; European, barberry; Gooseberry Honeysuckle, edible; Huckleberry; Jostaberry; Juneberry; Lingonberry; Native currant; Salal Sea buckthorn; cultivars, varieties, and/or hybrids of these CANEBERRY (Crop Subgroup 13-07A) Blackberry; Loganberry; Raspberry, red and black; Wild raspberry; cultivars, varieties, and/or hybrids of these				
Disease Control	Application Rate	Application Instructions		
*Gray mold (Botrytis cinerea)  *Powdery mildew (Podosphaera macularis, Sphaerotheca macularis, Podosphaera mors-uvae)  *Anthracnose fruit rot (Colletotrichum gloeosporioides, C. acutatum)  *Anthracnose (Colletrotrichum spp., Elsinoe ampelina)  *Blueberry leaf rust (Pucciniastrum vaccinii)  *Septoria leaf spot (Septoria albopunctata)  *Rhizopus fruit rot (Rhizopus spp.)	18.1 to 45.7 fl oz/A (0.3 - 0.75 lb ai/A)	Application Instructions  Apply in a minimum of 40 gallons of spray solution per acre. Increase spray volume as vine growth increases in order to provide thorough coverage of vines and fruit for optimum disease control.  Apply in a preventive spray schedule. Make the first application before bloom and continue applications using spray intervals of up to 14 days in low to moderate disease pressure at lower rates in the rate range. Use higher rates and a 14-days schedule when disease pressure is severe.		
*Phomopsis fruit rot				

(Neopestalotiopsis rosae)
\*Not For Use in California

(Phomopsis spp.)

\*Mucor fruit rot
(Mucor spp.)

\*Pestalotia leaf spot
\*Pestalotia fruit rot

STRAWBERRY \*SMALL FRUIT VINE CLIMBING EXCEPT FUZZY KIWIFRUIT (Crop Subgroup 13-07F) Amur river grape; Kiwifruit, hardy; Maypop; Schisandra berry; cultivars, varieties, and/or hybrids of these. (see separate table for grape) \*LOW GROWING BERRY (Crop Subgroup 13-07G) Bearberry: Bilberry: Cloudberry: Cranberry: Muntries: Partridgeberry: cultivars, varieties, and/or hybrids of these. Application Rate **Disease Control** Application Instructions Grav mold 18.1 to 45.7 fl oz/A Apply in a minimum of 40 gallons of spray (Botrytis cinerea) (0.3 - 0.75 lb ai/A) solution per acre. Increase spray volume as vine growth increases in order to Powdery mildew provide thorough coverage of vines and (Podosphaera macularis. fruit for optimum disease control. Sphaerotheca macularis, Apply in a preventive spray schedule. Make the first application before bloom Podosphaera mors-uvae) and continue applications using spray \*Anthracnose fruit rot intervals of up to 14 days in low to (Colletotrichum moderate disease pressure at lower rates gloeosporioides, C. in the rate range. Use higher rates and a acutatum) 14-days schedule when disease pressure is severe. \*Anthracnose Use directions for Strawberry: (Colletrotrichum spp., Elsinoe ampelina) Begin applications at early bloom and continue on a 7 to 10 days interval if conditions continue to favor disease \*Septoria leaf spot (Septoria albopunctata) development. Under conditions of severe disease pressure, use the higher labeled \*Rhizopus fruit rot rate. Apply in a minimum of 50 gallons of (Rhizopus spp.) spray solution with conventional ground application equipment except when using \*Phomopsis leaf spot an electrostatic sprayer where a minimum \*Phomopsis fruit rot of 10 gallons of spray solution may be (Phomopsis spp.) used. Thorough coverage is important for optimum disease control.

*Pestalotia leaf spot *Pestalotia fruit rot ( <i>Neopestalotiopsis rosae</i> ) *Not For Use in California					
TOMATO (Crop Subgroup 8-10A)  Bush tomato; Cocona; Currant tomato; Garden huckleberry; Goji berry; Groundcherry; Naranjilla; Sunberry; Tomatillo; Tomato; Tree tomato; cultivars, varieties, and/or hybrids of these.  Disease Control  Application Rate  Application Instructions					
Gray mold (Botrytis cinerea)  *Powdery mildew (Leveillula taurica, Oidium neolycopersici, Podosphaera spp.)  *White mold (Sclerotinia sclerotiorum)  *Late blight (Phytophthora infestans)  *Target spot (Corynespora cassiicola)  *Leaf mold (Passalora fulva)	18.1 to 45.7 fl oz/A (0.3 - 0.75 lb al/A)	Begin applications prior to onset of disease development and continue on a 7 to 10 days interval to maintain disease control. Under conditions of severe disease pressure, use the higher rate. Apply the specified rate as a foliar spray in a minimum of 20 gallons or more of water per acre to assure through coverage of plants.			
*Not For Use in California					

\*Mucor fruit rot (Mucor spp.)

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

### Pesticide Storage

Keep container tightly closed when not in use. Store product in a cool and dry place.

### Pesticide Disposal

To avoid waste, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry). Improper disposal of unused pesticide, wash water or rinse water is a violation of federal law.

### Container Handling (Less Than or Equal to 5 Gallons)

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

### Container Handling (Greater Than 5 Gallons)

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

### Container Handling (Greater Than 5 Gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several ties. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

### LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CEV. All such risks shall be assumed by the user or buver.

**DISCLAIMER OF WARRANTIES:** CEV makes no other warranties, express or implied, of merchantability or of litness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent nor distributor of CEV is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CEV disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price of the material as to which a claim is made.

EPA 03/07/2023 - - -

GROUP BM 01 FUNGICIDE



A BROAD SPECTRUM BIOFUNGICIDE FOR THE CONTROL OF POWDERY MILDEW, BOTRYTIS, MONILINIA
AND OTHER DISEASES IN CERTAIN CROPS

ACTIVE INGREDIENT:	
Banda de Lupinus albus doce (BLAD)*	20%
OTHER INGREDIENTS:	80%
TOTAL	100%

\*BLAD is a naturally-occurring seed storage protein in sweet lupines; it is a 20 kDa polypeptide of  $\beta$ -conglutin, or characterized as a fragment of the amino acid sequence of  $\beta$ -conglutin. 1 gallon of PROBLAD VERDE contains 2.1 lbs of BLAD protein.

EPA Reg. No. 84876-2

EPA Est. No. 84876-PRT-001

# KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID			
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>		
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.		
If inhaled	Move person to fresh air.     If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.     Call a poison control center or doctor for further treatment advice.		

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 (National Pesticide Information Center) for emergency medical treatment information.

Manufactured By:

CEV, S.A. Zona Industrial de Cantanhede Lote 120 3060-197 Cantanhede Portugal





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