



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Biopesticides and Pollution Prevention Division  
 (7511C)  
 1200 Pennsylvania Avenue NW  
 Washington, DC 20460

EPA Reg.  
 Number:  
**84876-1**

Date of Issuance:  
**FEB 28 2013**

Term of  
 Issuance: **UNCONDITIONAL**

Name of Pesticide Product:  
**PROBLAD PLUS**

NOTICE OF PESTICIDE:

Registration  Re-registration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):  
 Consumo EM Verde, S.A.  
 c/o Ceres International LLC  
 1087 Heartsease Drive  
 West Chester, PA 19382

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) provided you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 84876-1."
3. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.
4. Submit within 1 year after the Date of Registration acceptable data packages for Guideline Studies: Storage Stability study (OPPTS GLN: 830.6317) and Corrosion Characteristics study (OPTS GLN: 830.6320) for this product.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Keith A. Matthews, Director  
 Biopesticides and Pollution Prevention Division

Date:

# PROBLAD PLUS

A FUNGICIDE FOR THE CONTROL OF POWDERY MILDEW,  
BOTRYTIS, ANTHRACNOSE AND OTHER DISEASES  
IN VARIOUS CROPS AND ORNAMENTALS

<b>ACTIVE INGREDIENT:</b>	
Banda de Lupinus albus doce (BLAD)* .....	20%
<b>OTHER INGREDIENTS</b> .....	<b>80%</b>
<b>TOTAL</b>	<b>100%</b>

\*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 PLUS contains 2.1 lb of BLAD protein.

EPA Reg. No. 84876-xx

EPA Est. No. 84876-xx

Net Contents:.....

Batch Code:.....

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### FIRST AID

<b>If in eyes</b>	<ul style="list-style-type: none"><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>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

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

**ACCEPTED**

FEB 28 2013

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 84876-1

**Compatibility:** Do not tank mix with products containing a prohibition against tank mixing. Do not mix PROBLAD PLUS with foliar fertilizers. Follow the most restrictive labeling requirements of any tank mix product. To determine the physical compatibility of PROBLAD PLUS 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 CEV representative.

**Use of Adjuvants:** The use of adjuvants with PROBLAD PLUS is not required.

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

**Integrated Pest Management (IPM):** Integrate PROBLAD PLUS 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.

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

**GRAPE**

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF PROBLAD PLUS
Grape	Anthracnose ( <i>Elsinoe</i> spp.) Botrytis gray mold ( <i>Botrytis cinerea</i> ) Powdery mildew ( <i>Erysiphe necator</i> Schw.)	20.5 to 45.7 fl oz/A (0.34 - 0.75 lbs ai/A)
<p><b>GENERAL:</b> 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. The rates on the PROBLAD PLUS label reflect the amount of product that should be applied uniformly over an acre of ground on a broadcast basis.</p> <p><b>Powdery Mildew</b> Apply in a preventive spray schedule. Make the first application of PROBLAD PLUS before bloom and continue applications using spray intervals of up to 10 days in low to moderate disease pressure at lower rates in the rate range. Use higher rates and a 7-day schedule when disease pressure is severe.</p>		

**Botrytis**

For control of Botrytis gray mold apply of PROBLAD PLUS 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.

**Anthracoese**

Begin application when new shoots are 1 to 3 inches in length. Reapply on a protectant schedule that does not exceed 10 days.

**PRECAUTIONS:**

PROBLAD PLUS is a contact fungicide with penetration proprieties. BLAD is the active ingredient which degrades the fungal chitin. Alternate applications with another effective fungicide with a different mode of action.

PROBLAD PLUS requires two to four hours drying time on plant foliage for the active ingredient to fixing into the plant tissue before rain or irrigation occurs. If, during the next 12 hours it rains significantly, a new application will be needed during the next 4 days.

**RESTRICTIONS:**

- Do not make more than five foliar applications of PROBLAD PLUS per crop season.
- Do not make more than two sequential applications of PROBLAD PLUS before alternating to a labeled fungicide with a different mode of action.
- PROBLAD PLUS may be applied up to and including the day of harvest.

**STRAWBERRY****APPLICATION INSTRUCTIONS**

CROP	DISEASE	RATE OF PROBLAD PLUS
Strawberry	Anthracoese ( <i>Colletrotrichum</i> spp.) Botrytis gray mold ( <i>Botrytis cinerea</i> ) Powdery mildew ( <i>Sphaerotheca macularis</i> ).	20.5 to 45.7 fl oz/A (0.34 - 0.75 lbs ai/A)

**GENERAL:**

Begin applications of PROBLAD PLUS at early bloom and continue on a 7 to 10-day interval if conditions continue to favor disease development. Under conditions of severe disease pressure, use the higher labeled rate. Apply in a minimum of 50 gallons of spray solution with conventional ground application equipment except when using an electrostatic sprayer where a minimum of 10 gallons of spray solution may be used. Do not apply by air. Thorough coverage is important for optimum disease control.

**PRECAUTIONS:**

PROBLAD PLUS is a contact fungicide with penetration proprieties. BLAD, is the active ingredient which degrades the fungal chitin. Alternate applications with another effective fungicide with a different mode of action.

PROBLAD PLUS requires two to four hours drying time on plant foliage for the active ingredient to fixing into the plant tissue before rain or irrigation occurs. If, during the next 12 hours it rains significantly, a new application will be needed during the next 4 days.

**RESTRICTIONS:**

- Do not make more than five foliar applications of PROBLAD PLUS per harvest cycle.
- Do not apply by air to strawberries.
- Do not make more than two sequential applications of PROBLAD PLUS before alternating to a labeled fungicide with a different mode of action.
- PROBLAD PLUS may be applied up to and including the day of harvest.

**TOMATO**

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF PROBLAD PLUS
Tomato	Botrytis gray mold ( <i>Botrytis cinerea</i> ) Anthracnose ( <i>Colletotrichum coccodes</i> ) White mold ( <i>Sclerotinia sclerotiorum</i> ) Southern blight ( <i>Sclerotium rolfsii</i> ) Powdery mildew ( <i>Oidium lycopersicum</i> .)	20.5 to 45.7 fl oz/A (0.34 - 0.75 lbs ai/A)

**GENERAL:**

Begin applications of PROBLAD PLUS prior to onset of disease development and continue on a 7 to 10-day interval to maintain disease control. Under conditions of severe disease pressure, use the higher labeled rate. Apply the specified rate of PROBLAD PLUS as a foliar spray in a minimum of 20 gallons or more of water per acre to assure thorough coverage of the plants.

**PRECAUTIONS:**

PROBLAD PLUS is a contact fungicide with penetration proprieties. BLAD is the active ingredient which degrades the fungal chitin. Alternate applications with another effective fungicide with a different mode of action.

PROBLAD PLUS 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 during the next 4 days.

**RESTRICTIONS:**

- Do not make more than five foliar applications of PROBLAD PLUS per harvest cycle.
- Do not make more than two sequential applications of PROBLAD PLUS before alternating to a labeled fungicide with a different mode of action.
- PROBLAD PLUS may be applied up to and including the day of harvest.

**ALMOND AND STONEFRUIT**

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF PROBLAD PLUS
Almond Apricot Cherry Nectarine Peach Plum Prune	Brown rot blossom blight ( <i>Monilinia spp.</i> )	20.5 to 45.7 fl oz/A (0.34 - 0.75 lbs ai/A)

**GENERAL:** Apply PROBLAD PLUS in a minimum spray volume of 15 gallons per acre by air or 50 gallons per acre by ground. 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 by air.

**Almond:** 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 another application at petal fall.

**Stonefruit:** For control of brown rot 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.

**PRECAUTIONS:**

PROBLAD PLUS is a contact fungicide with penetration properties. BLAD is the active ingredient which degrades the fungal chitin. Alternate applications with another effective fungicide with a different mode of action.

PROBLAD PLUS requires two to four hours drying time on plant foliage for the active

ingredient to fixing into the plant tissue before rain or irrigation occurs. If, during the next 12 hours it rains significantly, a new application will be needed during the next 4 days.

**RESTRICTIONS:**

- Do not make more than five foliar applications of PROBLAD PLUS per crop season.
- Do not make more than two sequential applications of PROBLAD PLUS before alternating to a labeled fungicide with a different mode of action.
- PROBLAD PLUS may be applied up to and including the day of harvest.

**ORNAMENTALS**

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF PROBLAD PLUS
Rose Azalea (deciduous) Begonia (tuberous) Calendula California poppy China aster ( <i>Callistephus</i> ) Chrysanthemum Clarkia Columbine Coral bells ( <i>Heuchera</i> ) Corn flower Cosmos Dahlia Zinnia	Powdery mildew ( <i>Sphaerotheca pannosa</i> ) ( <i>Golovinomyces cichracearum</i> ) ( <i>Podosphaera spp.</i> )  Botrytis gray mold ( <i>Botrytis cinerea</i> )	20.5 to 45.7 fl oz/A (0.34 - 0.75 lbs ai/A)

**GENERAL:**

Begin applications of PROBLAD PLUS prior to onset of disease development and continue on a 7 to 10-day interval to maintain disease control. Under conditions of severe disease pressure, use the higher labeled rate. Apply the specified rate of PROBLAD PLUS as a foliar spray in a minimum of 20 gallons or more of water per acre to assure thorough coverage of the plants.

**PRECAUTIONS:**

PROBLAD PLUS is a contact fungicide with penetration properties. BLAD is the active ingredient which degrades the fungal chitin. Alternate applications with another effective fungicide with a different mode of action.

PROBLAD PLUS 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 during the next 4 days.

**RESTRICTIONS:**

- Do not make more than five foliar applications of PROBLAD PLUS per harvest cycle.
- Do not make more than two sequential applications of PROBLAD PLUS before alternating to a labeled fungicide with a different mode of action.

**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**

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  $\frac{1}{4}$  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.

**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 CONSUMO EM VERDE. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** CONSUMO EM VERDE makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of CONSUMO EM VERDE is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CONSUMO EM VERDE 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.

PROBLAD PLUS proposed Master label; revised 02-27-2013