

55260-10

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Bert Volger  
Product Registration  
Agriphar S.A.  
c/o Ceres International LLC  
1087 Hartsease Drive  
West Chester, PA 19382

MAR 9 2009

Subject: Label Notification for Pesticide Registration Notice 2007-4  
(Storage & Disposal Changes)

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated February 11, 2009 for:

**EPA Registration 55260-10 "Promess Fungicide"**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

2/13



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

- Registration  
 Amendment  
 Other

OPP Identifier Number  
 259686

**Application for Pesticide - Section I**

1. Company/Product Number 55260-10	2. EPA Product Manager Mary Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Promess™ Fungicide	PM# 21	
5. Name and Address of Application (Include ZIP Code) Agriphar S.A. C/o Ceres International LLC 1087 Heartsease Drive West Chester, PA 19382 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <b>NOTIFICATION</b> Product Name: <b>MAR 09 2009</b>	

**Section - II**

Amendment - Explain below.  Final printed labels in response to Agency letter dated \_\_\_\_\_

Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application.

Notification - Explain below.  Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)  
 Notification to comply with PR Notice 2007-4 (Container Handling Statement) for the product referenced above. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.  
 Contact: bertvolger@comcast.net

**Section - III**

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes", Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container  
5. 1, 2.5, 5, 50, 100

5. Location of Label Directions  
 On Label  
 On Labeling accompanying product

6. Manner in Which Label is Affixed to Product  
 Lithograph  
 Paper glued  
 Stenciled  
 Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Bert Volger	Title Agent for Agriphar S.A.	Telephone No. (Include Area Code) Phone: (610) 793-3222 Fax: (610) 793-1708
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**Certification**  
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature *Bert Volger*

3. Title  
Agent for Agriphar

4. Typed Name  
Bert Volger

5. Date  
02-11-2009

6. Date Application Received  
 (Stamped)  
 \_\_\_\_\_



# Ceres International LLC

**Via Courier Delivery**

February 12, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

**Subject:** Promess™ Fungicide, EPA Reg. No. 55260-10  
Notification of label changes (PR Notice 2007-4)

Dear Sir or Madam:

Agriphar S.A., the registrant of Promess Fungicide (EPA Reg. No. 55260-10), is notifying the Agency about the following label revisions:

- add CONTAINER HANDLING statement under STORAGE AND DISPOSAL (page 4) according to PR-Notice 2007-4

In support of this submission, the following documents are attached:

- one copy of the final label (changes are highlighted)
- an executed EPA - Application Form 8570-1

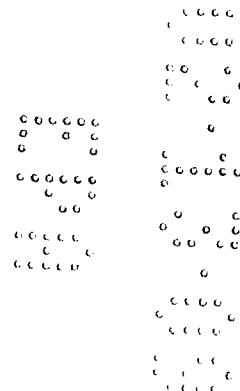
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula (CSF) of this product. The changes are highlighted on the product label (2 copies enclosed). I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you need any additional information or have any questions, please do not hesitate to contact me (610-793-3222) or at bertvolger@comcast.net.

Sincerely,

Bert Volger  
Agent for Agriphar S.A.

cc: C. Corman - Agriphar  
Enclosures





**NOTIFICATION**

MAR 09 2009

# PROMESS™ Fungicide

For Control of Fungal Diseases on  
Cucurbits, Lettuce, Peppers, and Tomatoes

<b>ACTIVE INGREDIENT:</b>	<b>% By Wt.</b>
Propamocarb hydrochloride .....	66.8%
<b>OTHER INGREDIENTS</b> .....	<u>33.2%</u>
<b>TOTAL</b>	<b>100.0%</b>

\* Propyl (3-dimethylamino)propylcarbamate hydrochloride  
Contains 6.0 lb. active ingredient per gallon.

EPA Reg. No. 55260-10

EPA Est. No. 55260-BL-001

NET CONTENT: 2 GALS.

## KEEP OUT OF REACH OF CHILDREN CAUTION

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call CHEMTREC at (800) 424-9300 for assistance.	
For 24-Hour Emergency Assistance (Spill, Leak, or Fire) Call Chemtrec® (800) 424-9300.	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or absorbed through the skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material.
- Shoes plus socks

Follow 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 STATEMENT**

When handlers use closed systems, closed cabs or aircraft in a manner that meets the 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 eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

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 washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR Part 170. This Standard contains requirements for the protection of agricultural 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 and restricted-entry interval. The requirements in 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 12 hours.

PPE required for early entry into 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 water is:

- Coveralls
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container and keep tightly closed. Store in a cool, dry, secure place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING: Nonrefillable Containers:** Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

**Non-refillable container equal to or less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and 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.

**Nonrefillable Container 5 gallons to bulk:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 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.

## GENERAL INFORMATION

PROMESS is a completely water miscible fungicide concentrate. PROMESS is intended for use on cucurbits, lettuce, peppers and tomatoes. It can be used as a stand-alone product or in combination as a tank mixture with other fungicides that are registered and used on these crops which are subject to Downy Mildew (*Bremia lactucae* and *Pseudoperonospora cubensis*), Pythium Blight (*Pythium spp.*), Late Blight (*Phytophthora infestans*), and Early Blight (*Alternaria solani*). PROMESS does not afford broad-spectrum disease control for *Rhizoctonia spp.* (Brown Patch), *Sclerotinia spp.* (Dollarspot), or *Helminthosporium spp.* (Leafspot). Use a broad-spectrum fungicide if these diseases coexist with Pythium Blight. PROMESS can be applied either as a broadcast or as an over the row banded application.

For greenhouse applications on cucurbits, leaf lettuce, peppers, and tomato use PROMESS in rotation with other effective fungicides, if available to control diseases caused by *Pythium* and *Phytophthora spp.* during plant propagation and greenhouse production.

## RESISTANCE MANAGEMENT

It is known that certain plant pathogens might develop resistance to products used repeatedly for disease control. PROMESS is recommended for following Integrated Pest Management (IPM) principles that attempt to minimize disease resistance to fungicides. These include the use of disease-resistant crop varieties, cultural practices, pest scouting, and disease forecasting systems, which reduce unnecessary applications of pesticides. For good resistance management practices, follow the specific use directions on the label and review State Cooperative Extension Service recommendations for effective disease resistance-management programs in your area.

## APPLICATION INFORMATION

Begin applications when conditions are favorable for disease, but before infection, according to the use directions below.

**Mixing the Spray:** Follow the recommendations of your State Cooperative Extension Service for tank-mixing with wettable powders, emulsifiable concentrates, suspension concentrates or flowables. In general, add one-half of the required amount of water to the spray or mixing tank and start agitation. Add the required quantity of PROMESS Fungicide and the tank-mix partner to the water and complete filling with water to the required total volume. Maintain agitation throughout spraying. Do not allow spray mixture

mixture to remain in the tank overnight, or for long periods during the day without agitation. Consult the intended tank-mix partner product label for appropriate application rates and use instructions. Follow the label directions for the most restrictive of label precautions and limitations. This product may not be mixed with any product containing a label prohibition against such mixing. Read and observe the most restrictive precautionary statements and other information appearing on product labels used in mixtures.

**Banded Applications:** In most crops, infected transplants or unusual weather conditions may increase the threat of disease when the plants are small. PROMESS Fungicide may be applied as an early season post-emergence banded application. When applying PROMESS in a band, do not concentrate the dose rate in the banded area. Thorough coverage of the plants is essential for optimum disease control; therefore adjust the band width depending on plant height or size. Repeated applications will result in improved disease control.

When using a banded application, the actual amount of PROMESS applied will be proportionately less than what would be applied with a broadcast spray. Use the following formula to calculate the amount of PROMESS needed per crop acre when making band applications. Apply band applications of PROMESS in a minimum of 5 gallons of water per acre.

$$\frac{\text{Band width in inches}}{\text{Row spacing in inches}} \times \text{Broadcast rate (pts./acre)} = \text{Amount needed per acre of field in pts./A.}$$

**Broadcast Applications:** Using ground spray equipment, apply PROMESS at rates specified below. Thorough uniform coverage is essential for disease control. Apply a PROMESS tank-mixture in a *minimum* of 15 gallons of water per acre. Apply as a foliar spray in sufficient water to obtain thorough coverage. With moderate to heavy disease pressure, the shorter spray intervals should be used. Check with your local Cooperative Extension Service if you are unsure about whether these conditions exist.

**Aerial Applications:** Apply PROMESS at rates specified below using fixed wing or rotary aircraft equipment at a minimum of 5 gallons of water per acre unless otherwise directed under specific crop labeling. Thorough uniform coverage is essential for disease control. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Avoiding spray drift at the application site is the responsibility of the applicator. The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations:

- The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
- To avoid spray drift, do not apply when winds exceed 10 mph.

Where States have more stringent regulations, they should be observed.

**APPLICATION THROUGH IRRIGATION SYSTEMS**

Apply this product only through center pivot, motorized-lateral move, traveling gun, solid set or portable (wheel move, side roll, end tow, or hand move) and drip irrigation systems. PROMESS may also be applied by drip irrigation or rock wool/nutrient solution systems in the greenhouse. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide 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. PROMESS has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following application techniques are provided for user reference but do not constitute a warranty of fitness for application through sprinkler or drip irrigation equipment. Users must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place. '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 from 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 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. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. Pesticide injection pipeline must be 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 systems 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 water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. 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. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Apply pesticide continuously for the duration of the water application. For mixing instructions, please refer to specific use directions in the "Application Information" section.

This product may be used through two basic types of irrigation systems as outlined in **Sections A and B** below. 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 back flow. Determine which type of irrigation system is in place, then refer to the appropriate directions provided below for each type. See crops section on the label for recommended treatment rates and additional use information.

**A. Center Pivot, Motorized-Lateral Move and Traveling Gun Irrigation Equipment**

For injections of pesticides, these continuously moving systems must use a positive displacement injection pump of either diaphragm or piston type and be constructed of materials that are compatible with pesticides. They must also be capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems. Thoroughly mix recommended amount of this product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from last sprinkler head.





**B. Solid-Set, Portable (Wheel Move, Side Roll, End Tow, or Hand Move) and Drip Irrigation Equipment**

With stationary systems, an effectively designed in-line Venturi applicator unit is preferred to support even and quick distribution. However, a positive-displacement pump can also be used. For solid set systems, determine acreage covered by sprinkler. Fill the tank of injection equipment with water and adjust flow to use contents over 30 to 45 minutes. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration. Operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. This product can be injected during the irrigation cycle or as a separate application. For drip irrigation systems, introduce PROMESS into irrigation solution for a period sufficient to distribute the product uniformly to the crop, and PROMESS should be added near the end of the normal irrigation cycle so that subsequent watering will not flush the product from the root zone. Stop injection equipment with any system after treatment is completed and continue to operate irrigation system until this product has been cleared from last sprinkler head or drip irrigation line. Greenhouses must be constructed of materials that are compatible with pesticides.

**COMPATIBILITY**

PROMESS Fungicide is compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the physical compatibility of PROMESS with all potential tank-mix partners has not been fully investigated. If tank-mixing with other pesticides is desirable, conduct a jar test with the volumes and rates typically used in agricultural application. Using a small container of water, add the proportionate amounts of the products: wettable powders and water-dispersible granular products first, then liquid flowables and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 15 minutes. Look for signs of separation, globules, sludge, flakes, or other precipitates. Physical compatibility is indicated if the combination remains mixed or can be remixed readily.

The crop safety of all potential tank-mixes with PROMESS, including additives and other pesticides has not been tested on all crops. Before applying any tank-mixture not specifically recommended on this label, safety to the target crop(s) should be confirmed. Do not tank mix with any product that contains a prohibition on tank mixing. Follow all directions and restrictions appearing on the labels of the tank-mix partners. Follow most restrictive label requirements.

**CROP ROTATION RESTRICTIONS**

Crops on this label may be rotated anytime, following the last application of PROMESS Fungicide. Do not rotate to root and leafy vegetables for 30 days following the last application of PROMESS Fungicide. Do not rotate to winter wheat and all other crops for 120 days following the last application of PROMESS Fungicide.

**CROP USE DIRECTIONS**

**CUCURBITS**

DISEASE	PROMESS APPLICATION (Pints per Acre)	COMMENTS
Downy Mildew ( <i>Pseudoperonospera cubensis</i> )	1.2 or 0.6 plus Tank-Mix Partner	Apply preventatively as a foliar spray with sufficient water to obtain thorough coverage. Begin applications when conditions are favorable for disease, but before infection. Continue on 7-14 day intervals until the threat of disease is over.  When applying PROMESS at intervals longer than 7 days, alternate with an application of a contact fungicide midway between PROMESS applications. With moderate to heavy

DISEASE	PROMESS APPLICATION (Pints per Acre)	COMMENTS
		disease pressure, the shorter spray intervals should be used. Check with your local Cooperative Extension Service if you are unsure about whether these conditions exist.
Pythium root rots and seedling diseases ( <i>Pythium spp.</i> )	1.2	PROMESS can be applied by directed nozzles to the lower portion of the plants and surrounding soil, or via drip irrigation, transplant/setting water, or by sprinklers.

- If applied in a tank-mix with other products, see COMPATIBILITY Section above; if applied through chemigation follow directions under APPLICATION THROUGH IRRIGATION above.
- Do not apply more than 6 pints of PROMESS (4.5 lbs. total a.i. per acre) in a single growing season to cucurbits.
- Do not apply within 2 days of harvest for cucurbits.

**LETTUCE (HEAD and LEAF)**

DISEASE	PROMESS APPLICATION (Pints per Acre)	COMMENTS
Downy Mildew ( <i>Bremia lactucae</i> )	2.0 or 1.33 plus Tank-Mix Partner	Apply preventatively as a foliar spray with sufficient water to obtain thorough coverage. Begin applications when conditions are favorable for disease development, but before infection. Continue applications on a 7-10 day interval until threat of disease is over. Under severe disease conditions, apply PROMESS on a 5-day schedule. Ground applications may be made with a tractor-mounted boom sprayer equipped with three nozzles per row with two nozzles directed to ensure thorough coverage of the lower portion of the plants and the surrounding soil surface. For aerial applications use a minimum of 10 gallons of spray. Check with your local Cooperative Extension Service if you are unsure about whether these conditions exist.
Pythium root rots and seedling diseases ( <i>Pythium spp.</i> )	2.0	PROMESS can be applied by directed nozzles to the lower portion of the plants and surrounding soil, or via drip irrigation, transplant/setting water, or by sprinklers.

- If applied in a tank-mix with other products, see COMPATIBILITY Section above; if applied through chemigation follow directions under APPLICATION THROUGH IRRIGATION above.
- Do not apply more than 8 pints of PROMESS (6 lbs. total a.i. per acre) in a single growing season to lettuce.
- Do not apply within 2 days of harvest for lettuce.

**PEPPERS**

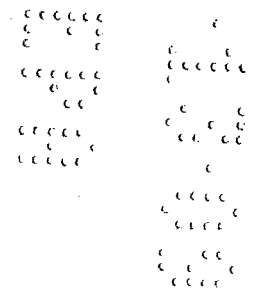
DISEASE	PROMESS APPLICATION (Pints per Acre)	COMMENTS
Pythium root rots and seedling diseases ( <i>Pythium spp.</i> )	1.2	PROMESS can be applied by directed nozzles to the lower portion of the plants and surrounding soil, or via drip irrigation, transplant/setting water, or by sprinklers.  Begin applications when conditions are favorable for disease development, but before infection. Continue on 7-14 day intervals until the threat of disease is over. Check with your local Cooperative Extension Service if you are unsure about whether these conditions exist.

- If applied in a tank-mix with other products, see COMPATIBILITY Section above; if applied through chemigation follow directions under APPLICATION THROUGH IRRIGATION above.
- Do not apply more than 6 pints of PROMESS (4.5 lbs. total a.i. per acre) in a single growing season to peppers.
- Do not apply within 5 days of harvest for peppers.

**TOMATOES**

DISEASE	PROMESS APPLICATION (Pints per Acre)	COMMENTS
Late Blight ( <i>Phytophthora infestans</i> )  Early Blight ( <i>Alternaria solani</i> )	0.7 to 1.5 plus Tank-Mix Partner	Apply preventatively as a foliar spray with sufficient water to obtain thorough coverage. Begin applications when conditions are favorable for disease, but before infection. Continue on 7-10 day intervals until the threat of disease is over. The low rate and longer spray interval may be used early in the season before canopy closure when disease pressure may be light. After canopy closure switch to the higher rate and use the shorter interval.  Tank-mix combinations of PROMESS and chlorothalonil, maneb, or mancozeb are highly recommended for control of tomato Late Blight ( <i>Phytophthora infestans</i> ) and Early Blight ( <i>Alternaria solani</i> ).
Pythium root rots and seedling diseases ( <i>Pythium spp.</i> )	1.5	PROMESS can be applied by directed nozzles to the lower portion of the plants and surrounding soil, or via drip irrigation, transplant/setting water, or by sprinklers.

- If applied in a tank-mix with other products, see COMPATIBILITY Section above; if applied through chemigation follow directions under APPLICATION THROUGH IRRIGATION above.
- Do not apply more than 7.5 pints of PROMESS (5.625 lbs. total a.i. per acre) in a single growing season to tomatoes.
- Do not apply within 5 days of harvest for tomatoes.



**GREENHOUSE USE (Cucurbits, leaf lettuce, peppers and tomatoes)**

PROMESS Fungicide applications are recommended for prevention of root rot and damping-off on cucurbits, leaf lettuce, peppers and tomatoes caused by *Pythium* spp. and *Phytophthora* spp. PROMESS requires no agitation after initial mixing and is recommended at all stages of plant propagation and development including seeding, transplanting and potting. Stock solutions of PROMESS should be used within one day of mixing. Do not mix with other products. Prevent intense sunlight after application by applying PROMESS Fungicide in the evening. Do not apply PROMESS to dry rockwool or other growing media without first pre-wetting with water. Phytotoxicity may occur if PROMESS is applied directly to dry growing media, especially in intense sunlight.

USE PATTERN	USE DIRECTIONS		
<p><b>PRESEEDING AND/OR SEEDLING TREATMENT (before transplanting)<sup>1</sup></b></p>	<p><b>ROCK WOOL CUBE SATURATION:</b> Prepare a 1:1000 stock solution (for example - 12.8 fl. oz. product in 100 gallons water). Apply as a drench to pre-wet cubes at a rate of 3.4 fl. oz. (100 ml) to 6.8 fl. oz. (200 ml) stock solution per cube to saturate. (100 gallons applied properly will treat 3800 to 1900 plants, respectively).</p> <p><b>SEED BEDS – SOIL or without SOIL:</b> In a minimum of 50 gallons water/1000 sq. ft apply: At seeding – 32 fl. oz. product/1000 sq. ft. (1.5 lbs. a.i./1000 sq. ft). After emergence - 16 fl. oz. product/1000 sq. ft. (0.75 lbs. a.i./1000 sq. ft).</p>		
<p><b>GREENHOUSE TREATMENT (after transplanting)<sup>2</sup></b></p>	<p><b>DRIP SYSTEM or SOIL DRENCH:</b> Prepare a 1:1000 stock solution (for example - 12.8 fl. oz. product in 100 gallons water). For the first two weeks after transplanting, apply through drip system at a rate of 3.4 fl. oz. (100 ml) stock solution per cube to avoid runoff and cover root area. After 2 weeks, apply through drip system at a rate of 3.4 fl. oz. (100 ml) to 6.8 fl. oz. (200 ml) stock solution per cube. (100 gallons applied properly will treat 3800 to 1900 plants, respectively). Evening applications of PROMESS by drip irrigation will reduce leaching or washing of the product from the root zone and may result in improved control. See statements in the "How to Use" section above regarding potential phytotoxicity</p> <p><b>FOLIAR TREATMENT (Leaf Lettuce only)<sup>3</sup>:</b> See field use directions. Do not harvest for 2 days after greenhouse foliar treatment</p>		
	<p><b>NUMBERS OF PLANTS PER ACRE</b></p>	<p><b>AMOUNT PRODUCT PER APPLICATION PER ACRE</b></p>	<p><b>AMOUNT PRODUCT PER CROPPING CYCLE</b></p>
<p><b>MAXIMUM USE RATES</b></p>	<p>6,000 10,000 14,000</p>	<p>41.3 fl. oz. (1.94 lbs. a.i./A) 68.8 fl. oz. (3.23 lbs. a.i./A) 96.4 fl. oz. (4.52 lbs. a.i./A)</p>	<p>248 fl. oz. (11.6 lbs. a.i./A) 413 fl. oz. (9.4 lbs. a.i./A) 578 fl. oz. (27.1 lbs. a.i./A)</p>

**Note:** Up to 6 total applications are allowed as follows:

- <sup>1</sup> Do not apply more than 2 pre-seeding and/or seedling applications per cropping cycle.
- <sup>2</sup> Do not apply more than 4 total applications after transplanting per cropping cycle.
- <sup>3</sup> Do not apply more than 2 foliar applications per cropping cycle.

### NOTICE ON CONDITIONS OF SALE

Directions for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, to the extent consistent with applicable law, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practices. To the extent consistent with applicable law, the buyer assumes all responsibility including injury or damage, resulting from its misuse as such, or in combination with other materials.

Manufactured by:  
Agriphar S.A.  
Rue de Renory 26, Bte 1  
B-4102 OUGREE  
BELGIUM

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Promess Master label –EPA approved on 01/26/2009; final submitted on 02-12-2009

### NOTIFICATION

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