

66330-239

03/06/2009

1/17



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Bill Washburn  
Regulatory Manager  
Arysta LifeScience North America LLC  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

MAR 6 2009

Subject: Label Notification(s) for Pesticide Registration Notices 2007-4 and 98-10

1. **Update of company name**
2. **Added emergency telephone number(s)**
3. **Updated warranty statement**

Dear Mr. Washburn:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 and 98-10 dated February 4, 2009 for:

**EPA Registration 66330-301**  
**EPA Registration ~~66330-239~~**  
**EPA Registration 66330-347**  
**EPA Registration 66330-294**  
**EPA Registration 66330-293**

**Thiophanate Methyl 70W WSB**  
**CAPTEC 4L**  
**PONNAX Plant Regulator**  
**Thiophanate Methyl 50W**  
**Thiophanate Methyl 4.5L**

The Registration Division (RD) has conducted a review of this request for applicability under PR Notices 2007-4 and 98-10 and finds that the label changes requested falls within the scope of PR Notices 2007-4 and 98-10. 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.

2/17

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



**EPA**

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

- Registration
- Amendment
- Other:

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number <b>66330-239</b>	2. EPA Product Manager <b>TONY KISH</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>CAPTEC 4L</b>	PM# <b>22</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513</b>		6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. _____ Product Name <b>MAR 6 2009</b>

Check if this is a new address

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

**Notification of label change per PR Notice 2007-4.** This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. 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 the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, 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.

**Notification of label change per PR Notice 98-10.** 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 of 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 may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
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		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
*Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1.0 gal., 2.5 gal, 5.0 gal		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Bill Washburn</b>	Title <b>Regulatory Manager</b>	Telephone No. (include Area Code) <b>901-432-5118</b>
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.		6. Date Application Received <b>(Stamped)</b>
2. Signature <i>Bill Washburn</i>	3. Title <b>Regulatory Manager</b>	
4. Typed Name <b>Bill Washburn</b>	5. Date <b>02/04/09</b>	



OK  
3/17

February 4, 2009

Mr. Tony Kish, PM 22  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs – 7504P  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 South Crystal Drive  
Arlington, VA 22202

**Subject: CAPTEC 4L  
EPA Reg. No. 66330-239**

***Notification of Label Change per PR Notice 2007-4  
and PR Notice 98-10***

Dear Mr. Kish:

Please find the following enclosed:

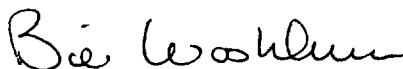
- Application for Pesticide Registration (Other) dated 02/04/09.
- One highlighted copy of subject label, showing all changes.
- One clean copy of the subject label.

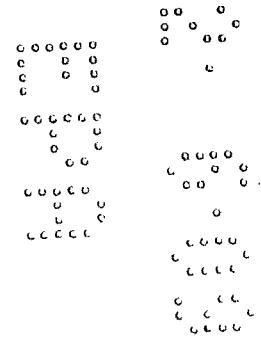
Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of 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 the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, 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.

Also in this submission, we are using PR Notice 98-10 to update the name of the company, emergency telephone numbers and warranty. Arysta LifeScience North America Corporation was changed to Arysta LifeScience North America, LLC.

Should you have any questions or comments, please do not hesitate to contact me at 901-432-5118 or by e-mail at [bill.washburn@arystalifescience.com](mailto:bill.washburn@arystalifescience.com)

Sincerely,

  
Bill Washburn  
Regulatory Manager



4/17

**NOTIFICATION**

MAR 6 2009

# CAPTEC 4L

## Captan Flowable Fungicide

**ACTIVE INGREDIENT:**

*Captan .....	38.75%
Related Derivatives .....	0.85%

<b>OTHER INGREDIENTS:</b> .....	<u>60.40%</u>
<b>TOTAL</b> .....	100.0%

\*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide  
Contains 4 lbs of Captan per gallon.

**KEEP OUT OF REACH OF CHILDREN**

### DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

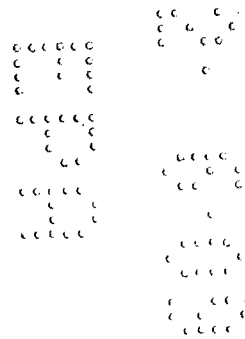
FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately 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 a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</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. 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>NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</b>	
<b>EMERGENCY TELEPHONE NUMBERS:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact: <b>FOR 24- HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952</b> <b>FOR CHEMICAL EMERGENCY:</b> Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300	

See Additional Precautionary Statements and Directions for Use in Attached Booklet

EPA Reg. No. 66330-239  
EPA Est. No. 51036-GA-1  
AD 071007

**Manufactured For:**  
**Arysta LifeScience North America, LLC**  
**15401 Weston Parkway, Suite 150**  
**Cary, NC 27513**

NET CONTENTS: \_\_\_\_\_ Gal.



**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans And Domestic Animals**  
**DANGER PELIGRO**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin or inhaled. Do not get in eyes or on clothing. Avoid breathing spray mist.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

**All mixers, loaders, applicators, flaggers, and other handlers (including handlers participating in transplanting as part of root dip treatments or greenhouse-soil treatments) must wear:**

- Long sleeved shirt and long pants,
- Shoes plus socks,
- Goggles or face shield,
- Chemical-resistant gloves, except for pilots, flaggers, and applicators driving motorized ground equipment,
- Chemical resistant apron when mixing/loading, participating in dip treatments, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control:**

When handlers use closed systems, enclosed 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:

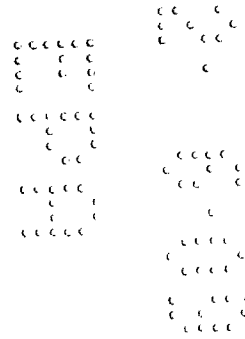
1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

**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 responsible for pesticide regulation.





7/17

**PESTICIDE STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Store in a cool, dry place, but protect from temperatures below 0 degrees F. Protect from excessive heat.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Improper disposal of excessive pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** 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 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. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Read all precautions and directions for use before using. Use only for claims listed and only as specified on this label.

In order that pesticide residues on food and forage crops will not exceed Federal tolerances, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to adjoining food, fiber or pasture crops. Drift of captan onto sensitive crops (e.g. D'Anjou pears) can cause severe phytotoxicity and crop loss. Consult State Agricultural Experiment Stations or State Agricultural Extension Service for additional information, as the time of applications needed will vary with the local conditions.

**CAPTAN DRIFT LANGUAGE**

**SPRAY DRIFT MANAGEMENT**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2-10 mph at the application site.

**Additional requirements for aerial applications:**

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

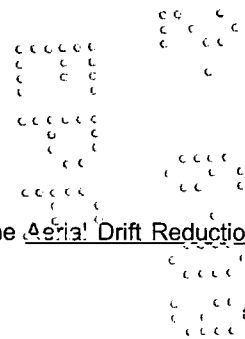
Do not make applications into temperature inversions.

**Additional requirements for ground boom application:**

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

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

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction



8/17

Advisory Information.

**AERIAL DRIFT REDUCTION ADVISORY**

This section is advisory in nature and does not supersede the mandatory label requirements.

**INFORMATION ON DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

**CONTROLLING DROPLET SIZE**

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of nozzles-Use minimum number of nozzles that provide uniform coverage.

Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**BOOM LENGTH**

For some use patterns, reducing the effective boom length to less than ¾ of the wingspan or rotor length may further reduce drift without reducing swath width.

**APPLICATION HEIGHT**

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

**WIND**

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**TEMPERATURE AND HUMIDITY**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

**TEMPERATURE INVERSIONS**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small-suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates







11/17

<b>APPLES: Precautions and Restrictions</b>	Do not apply more than 32 quarts of Captec 4L per acre per season. May be applied up to day of harvest. Restricted Entry Interval is 24 hours.		
<b>APRICOTS</b>	Brown Rot (Twig Blight), Jacket Rot	0.75 - 1.0	2.5
Apply at red bud, bloom and repeat at 75% petal fall and in cover sprays. Do not apply more than 12.5 quarts of Captec 4L per acre per season. May be applied up to day of harvest. Restricted Entry Interval is 24 hours. <b>Note:</b> In California do not apply after 75% petal fall.			

CROP	DISEASE	RATE PER APPLICATION	
		QTS/100 Gallons/ Application	MAXIMUM QTS/A/ Application
<b>BLUEBERRIES: (Eastern Areas)</b>	Botrytis Gray Mold or Berry Rot, Mummy Berry	0.75 - 1.0	2.5
	Apply in sufficient water for thorough coverage. Begin when buds swell or when buds have loose scales, repeating at 7-day intervals through blossom period. Repeat at 7 to 10 day intervals from late bloom		
<b>BLUEBERRIES: (Western Areas) (Not for use in California)</b>	Botrytis Gray Mold or Berry Rot, Mummy Berry	0.75 - 1.0	2.5
	Apply in sufficient water for thorough coverage. Begin at mid-bloom, repeating every 7 to 10 days as needed.		
<b>BLUEBERRIES: Precautions and Restrictions</b>	Do not apply more than 35 quarts of Captec 4L per acre per season. May be applied up to day of harvest. Restricted Entry Interval is 48 hours.		
<b>CANEBERRIES (Blackberries, Raspberries)</b>	Anthracoze Botrytis Spur Blight	0.75-1.0	2.0
	Apply when blossoms are in bud (young canes 8-10 inches long). Make a second application 2 weeks later. Apply a full spray after old canes are removed.		
	Fruit Rot	0.75-1.0	2.0
	Apply at early bloom (5-10%) and again at full bloom. Additional applications may be made at 10-14 day intervals as needed. Do not apply more than 10 pounds of Captec 4L per season. Do not apply within 3 days of harvest. Restricted Entry Interval is 48 hours.		
<b>CHERRIES: (Eastern Areas)</b>	Brown Rot, Leafspot, Botrytis Rot	0.75-1.0	2.0
	Apply at pre-bloom, bloom, petal fall, shuck, cover and preharvest. Applications every 3 to 4 days may be necessary during bloom to control blossom blight. Repeat at 7 to 20 days as needed up to harvest.		
	Powdery Mildew	0.75 - 1.0	2.0
	Apply Captec 4L as a mixture with 3 - 6 lbs. (not to exceed 6 lbs.) sulfur to petal fall, shuck or early cover sprays. If sulfur is added, Captec 4L may be reduced to the rate of 1 quart per acre.		
	Leafspot (Post Harvest Spray)	0.75 - 1.0	2.0
	Apply immediately after harvest, repeating in 10 to 14 days. Do not apply more than 14 quarts of Captec 4L per acre per crop cycle. May be applied up to day of harvest.		
<b>CHERRIES: (Western Areas)</b>	Cherry Leaf Spot, Brown Rot, Botrytis Rot	0.75 - 1.0	2.0
	Apply in prebloom, bloom, petal fall, shuck, cover and preharvest sprays. Do not apply more than 14 quarts of Captec 4L per acre per crop cycle. May be applied up to day of harvest.		

12/17

<b>CHERRIES: Precautions and Restrictions</b>	Do not apply more than 14 lb ai/acre of Captec 4L per season. Restricted Entry Interval is 24 hours.
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CROP	DISEASE	RATE PER APPLICATION	
		QTS/100 Gallons/ Application	MAXIMUM QTS/A/ Application
<b>GRAPES: (U.S., except California)</b>	Downy Mildew, Black Rot(Suppression of) Phomopsis Cane and Leaf Spot	0.75 - 1.0	2.0
	Make first application just before bloom, repeat just after bloom and at 10 to 14 day intervals. Use the lower rate when spraying less susceptible grape varieties or when conditions are less favorable for disease development. Use the higher rate on susceptible grape varieties and during periods of weather highly favorable for disease development. Apply when shoots are 1/2 to 1 1/2 inches long, 3 to 5 inches long, and 9 to 12 inches long. Continue thereafter at 10 to 14 day intervals as disease conditions warrant.		
<b>GRAPES: (California)</b>	Bunch Rot (Botrytis)	1.0	2.0
	Make 2 applications before bloom and 1 immediately after bloom. Repeat periodically, making 3 cover applications before the bunches close.		
	Phomopsis cane and leaf spot (current season infection)	0.75 - 1.0	2.0
	Apply first spray when green tissue begins to show but before shoots are 1 inch long and repeat application when shoots are 6 to 8 inches long.		
<b>GRAPES: Precautions and Restrictions</b>	Do not apply more than 12 quarts of Captec 4L per acre per season. May be applied up to day of harvest. Restricted Entry Interval is 48 hours.		
<b>NECTARINES</b>	Brown Rot, Scab, Coryneum Blight (Shot Hole)	0.75 - 1.0	4.0
	Apply at pink bud, full bloom, petal fall stages and cover sprays as necessary and as a postharvest spray (but before leaves drop). Applications at 3 to 4 day intervals may be necessary during bloom to control blossom blight. Repeat application at 7 to 14 day intervals as needed to maintain control. Continue applications throughout harvest if conditions favor brown rot. If powdery mildew is a problem, add 7 1/2 pounds sulfur per acre to the petal fall, shuck and early cover spray. If sulfur is added, Captec 4L may be reduced to 1.25 quarts per acre in these sprays.		
	Do not apply more than 24 quarts of Captec 4L per acre per season (including postharvest sprays). Pre-harvest sprays may be applied up to day of harvest. Restricted Entry Interval is 24 hours.		
<b>PEACHES</b>	Brown Rot, Scab	0.75 - 1.0	4.0
	Apply in full pink, bloom, petal fall, shuck stages and in cover and preharvest sprays. When conditions are favorable, make applications at 3 to 4 day intervals during bloom to control blossom blight. Then repeat application at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor brown rot. If powdery mildew is a problem, add 12 pounds sulfur per acre to the petal fall, shuck and early cover spray. If sulfur is added, Captec 4L may be reduced to 4 quarts per acre in these sprays.		
	Coryneum Blight (Shot Hole)	0.75 - 1.0	4.0

	<p>Apply in pink bud, full bloom, petal fall stages and cover sprays as necessary and as a postharvest spray (but before leaves drop).</p> <p>Do not apply more than 32 quarts of Captec 4L per acre per season (including postharvest sprays). Preharvest sprays may be applied up to day of harvest. Restricted Interval Entry is 24 hours.</p>
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CROP	DISEASE	RATE PER APPLICATION	
		QTS/100 Gallons/ Application	MAXIMUM QTS/A/ Application
<b>PLUMS, FRESH PRUNES</b> (Used for Dried Plums): (Eastern)	Brown Rot	1.0 - 3.0	3.0
	Apply in full pink, bloom and petal fall sprays. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor brown rot. The addition of a neutral spreader has improved coverage.		
<b>PLUMS, FRESH PRUNES</b> (Used for Dried Plums) (except California): (Western)	Brown Rot	1.0 - 3.0	3.0
	Apply at green bud, popcorn, bloom and petal fall stages. Repeat in cover sprays as conditions warrant.		
	Prune russet scab (lacy scab)	1.0 - 3.0	3.0
Apply at full bloom.			
<b>PLUMS:</b> <b>Precautions and Restrictions</b>	Do not apply more than 27 quarts of Captec 4L per acre per season. May be applied up to day of harvest. Restricted Interval Entry is 24 hours.		

**SUGGESTED MINIMUM SPRAY VOLUMES/ACRE FOR STRAWBERRIES**

GROUND:	AERIAL:
40 gallons (Broadcast or Band)	10 gallons (Broadcast only)

CROP	DISEASE	RATE PER APPLICATION	
		QTS/100 Gallons/ Application	MAXIMUM QTS/A/ Application
<b>STRAWBERRIES:</b> (U.S., except California)	Botrytis, Leaf Spot	1.5 - 3.0	3.0
<b>STRAWBERRIES:</b> (California)	Botrytis, Leaf Spot	1.5 - 2.5	2.5
	<p>If applying as a directed/banded spray; use band rate of Captec 4L according to the following formula:</p> $\frac{\text{Plant Bed Width (inches)}}{\text{Row Spacing (inches)}} \times \text{Broadcast rate per acre} = \text{Banded rate of Captec 4L per acre.}$ <p>If applying as a directed/banded spray; use band rate of Captec 4L according to the following formula:</p> $\frac{\text{Plant Bed Width (inches)}}{\text{Row Spacing (inches)}} \times \text{Broadcast rate per acre} = \text{Banded rate of Captec 4L per acre.}$		

10

14/17

<b>STRAWBERRIES:</b> <b>Precautions and Restrictions</b>	<p>Apply by broadcast in sufficient water for thorough coverage by ground or in 10 to 20 gallons of water by air. Begin applications when new growth starts in the spring and before fruit starts to form. Repeat at 7 to 14 day intervals. Under conditions favorable to fruit rot, continue applications through harvest period, treating immediately after each picking.</p> <p>Do not apply more than 24 quarts of Captec 4L per acre per season. May be applied up to day of harvest. Restricted Entry Interval is 24 hours.</p>
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**SPECIAL USES**

**PEACH PREPLANT ROOT DIP (California):**

Preventative preplant dip treatment for crown gall - Use 4 quarts Captec 4L plus 3.2 pints diluted sodium hypochlorite (5.25% household bleach) per 100 gallons of water. Wash nursery trees to remove soil from roots. Cut off all dormant buds and suckers in crown area and prune root system if necessary. Submerge the entire dormant tree for 5 minutes. Recharge dip during operation at a rate of 3.2 pints diluted sodium hypochlorite per 100 gallons of water.

**POSTHARVEST FRUIT APPLICATION:**

For control of various molds and storage rots (Botrytis, Gleosporium, Rhizopus). Use as a postharvest dip or spray wash on the following fruits: **Apples, Cherries, Pears** - Use 1.25 quarts of Captec 4L per 100 gallons of water. Apply as a spray or in a dip tank. When used as a dip, recharge wash solution periodically when tank volume is reduced by 25%. Bring water back to volume and add 1.25 quarts of Captec 4L for each 100 gallons added. At end of every 8 hour shift, empty tank, flush and charge with fresh dilution. Do not allow tank solution to stand overnight. Maintain continuous agitation during dipping operation.

For use in mechanical fruit-dip operations only. Hand dipping of fruit is prohibited. Do not contact or allow others to contact the treated fruit until sprays have dried.

**DISPOSAL OF LEFTOVER POSTHARVEST TREATMENT MIXTURE:**

Leftover dip or spray mixtures containing Captan may be used as a foliar spray for apples and cherries (but not pears) or to registered turf and ornamental sites, observing all restrictions such as maximum quarts applied per application and season.

When calculating application rates, if analytical services are not available to determine the exact quantity of captan remaining in mixture, assume that the tank still contains 1.25 quarts of Captec 4L per 100 gallons of water. If the dip or spray mixture contains other pesticides in addition to Captan, refer to product label(s) for information regarding disposal.

Captan wastes are acutely hazardous to the eyes. Improper disposal of spray or dip tank mixtures is a violation of Federal law. If the leftover dip or spray mixture cannot be disposed of in the manner prescribed above, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance concerning the disposal of spent or excess dip tank mixtures.

**ORNAMENTAL USE PRECAUTIONS**

Do not apply spray to ornamental plants beyond the point of drip from the leaf surface. Apply only sufficient mixture to wet the surface of the soil except when the dose is specified in terms of volume of mixture per square foot of area when using CAPTEC 4L as a drench.

**APPLICATION INSTRUCTIONS  
(NOT FOR USE IN CALIFORNIA)**

**AZALEAS**

Damping off of cuttings - Mix 2.0 quarts in 100 gallons of water and dip cuttings in the mixture before bedding.

Petal Blight - Mix 1.0 quart in 100 gallons of water and apply the mixture as a spray to the soil around the plants prior to bloom, apply as a spray to the flowers just before bloom and repeat at 7 to 14 day intervals through bloom.

Handwritten marks and symbols, including a grid of small 'c' characters and a circled '1' at the bottom right.

15/17

**BEGONIAS (Tuberous)**

Damping-off - Mix 2.0 quarts in 100 gallons of water and dip tubers for 30 minutes in mixture, drain and plant.

**CAMELLIAS**

Petal Blight - Mix 0.5 quart in 100 gallons of water and apply as a spray to the soil around plants when flowers begin to open, repeat at 7 to 10 day intervals through bloom.

**CARNATIONS**

Alternaria Leafspot, Rust - Mix 1.0 quart in 100 gallons of water and apply as a spray at first sign of disease. Repeat at 7 to 10 day intervals. Use the shorter interval if there are frequent rains and heavy dews. Damping-off of cuttings - Mix 1.0 quart in 100 gallons of water and dip cuttings in mixture before bedding.

**CHRYSANTHEMUM**

Botrytis Flower Blight, Septoria Leafspot - Mix 1.0 quart in 100 gallons of water and apply as a spray at first sign of disease, repeat at 7 to 10 day intervals. Damping-off of cuttings - Mix 2.0 quarts in 100 gallons of water and dip cuttings in mixture before bedding.

**DICHONDRA (California only)**

White Mold - Mix 1.0 quart in 100 gallons of water using 1 gallon of spray for every 10 square feet, making 2 to 3 applications at 7 day intervals.

**GLADIOLUS (Corms)**

Corn Rot and Decay, Damping-off - Mix 0.25 to 0.75 quarts in 10 gallons of water and dip corms for 20 to 30 minutes before planting.

**GRASSES**

(Ornamentals in Non-Pastured Areas Only)

Leafspot, Damping-off, Brown Patch, Melting Out, Seedling Blights, Brown Spot on St. Augustine Grass - Mix 1.0 quart in 100 gallons of water, applying 10 gallons spray for every 1000 square feet. Begin at spring growth, repeating 7 to 14 day intervals throughout the season. Do not graze or feed clippings of treated areas to livestock.

**GRASSES**

(Lawn Seedbeds)

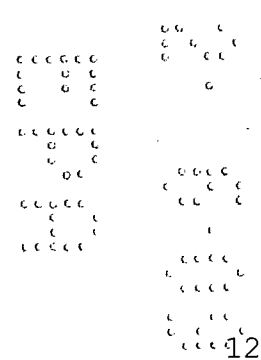
Damping-off, Other Soil Borne Diseases - Mix 1.0 quart in 100 gallons of water, applying 10 gallons spray for every 1000 square feet. Cultivate into top 3 to 4 inches of soil before planting.

**ROSES**

Black Spot, Botrytis Blossom Blight - Mix 1.0 quart in 100 gallons of water and apply as a spray at first sign of disease, repeat at 7 to 10 day intervals. Use the shorter interval if there are frequent rains and heavy dews.

**SOIL AND GREENHOUSE BENCH TREATMENT**

Damping-off, Root rot Diseases on Seedling or Transplants of Roses (other Shrubs, Trees, Flowers) & Lawn Seedbeds - Mix 1.0 quart in 100 gallons of water at a rate of 15 gallons for every 1000 square feet. Cultivate into top 3 to 4 inches of soil before planting.







**CAPTEC 4L**  
 Captan Flowable Fungicide

**ACTIVE INGREDIENT:**

*Captan .....	38.75%
Related Derivatives .....	0.85%
<b>OTHER INGREDIENTS:</b> .....	<b>60.40%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

\*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide  
 Contains 4 lbs. of Captan per gallon

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER    PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<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 SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately 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 a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</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. 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>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>EMERGENCY TELEPHONE NUMBERS:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:	
<b>FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL:</b> 1-866-303-6952	
<b>FOR CHEMICAL EMERGENCY:</b> Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300	

See Additional Precautionary Statements and Directions for Use in Attached Booklet

**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans And Domestic Animals**  
**DANGER PELIGRO**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin or inhaled. Do not get in eyes or on clothing. Avoid breathing spray mist.

<b>USER SAFETY RECOMMENDATIONS</b>
Users should:
1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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**

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

**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 responsible for pesticide regulation.

<b>PESTICIDE STORAGE AND DISPOSAL</b>
<b>PESTICIDE STORAGE:</b> Store in a cool, dry place, but protect from temperatures below 0 degrees F. Protect from excessive heat.
<b>PESTICIDE DISPOSAL:</b> Do not contaminate water, food or feed by storage or disposal. Improper disposal of excessive pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
<b>CONTAINER DISPOSAL:</b> 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 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. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EPA Reg. No. 66330-239  
 EPA Est. No. 51036-GA-1  
 AD 071007

**Manufactured For:**  
**Arysta LifeScience North America, LLC**  
 15401 Weston Parkway, Suite 150  
 Cary, NC 27513

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17/17