

66330-27

08/16/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7504P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
66330-27

Date of Issuance:  
AUG 16 2007

NOTICE OF PESTICIDE:  
     Registration  
XX Reregistration  
(under FIFRA, as amended)

Terms of Issuance:  
Unconditional

Name of Pesticide Product:  
Captan Garden Spray

Name and Address of Registrant (include ZIP Code):  
Arysta LifeScience North America (Attention Doina Bujor)  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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 reregistered 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.

Based on your response to the Reregistration Eligibility Document(s), EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Within 30 days from the date of this notice, submit two copies of a final printed label which makes the changes on the next page of this notice, and submit the child resistant certification statement (or supporting data).

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Signature of Approving Official:  
*Tony Kish*  
Tony Kish, Product Manager (22)  
Registration Division, Fungicide Branch

Date:  
AUG 16 2007

1. Below "A Fungicide For Plant Disease Control" at the top of page 1, add the following: "For Residential/Consumer/Homeowner Use Only – Do Not Use For Commercial Applications."
2. On page 1 at the top, delete "seeds" from "vegetable seeds" and change "soil treatment" to "seed treatment".
3. On page 2 under Hazards to Humans and Domestic Animals, add the following sentence after "Causes irreversible eye damage"-- "Wear protective eyewear such as safety glasses, goggles or face shield". Also, add the following sentences after "...allergic reactions in some individuals:" "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse."
4. On page 2-3, delete the sections "Personal Protective Equipment (PPE)", "User Safety Recommendations", and "Engineering Controls", because they are not needed for a residential/consumer/homeowner use product.
5. On page 4 change "Not for use on plants being grown...." To "Do not use on plants being grown...."
6. On page 5 delete the section "Spray Drift Management" because it is not needed for a residential/consumer/homeowner use product.
7. Delete the section "Turf (golf course)" on page 6 because this residential/consumer/homeowner product must not be used on residential lawns.
8. Add the sentence "All persons handling unbagged treated seed must wear protective eyewear." to the section "SEED TREATMENT".
9. In the section "SEED TREATMENT",  
  
Delete the sentence fragment "at or immediately before planting", add specific application and use directions to each entry. For example, for beans, add "Mix product thoroughly with dry seeds and plant immediately" or similar appropriate instructions;  
  
Because this is a homeowner use product, for beets chard, and spinach grass seed treatments, change the application rate to reflect something less than 100 lbs of treated seed. For example, "Use 1.8 ounces (0.9 ozs ai) per 10 lbs seed for...".  
  
Change "Not for commercial seed treatment" to "Do not use for commercial seed treatment".
10. Because the residential/consumer/homeowner product is a category I for acute eye exposure, reregistration of this product requires that you certify per 40CFR157.34 that this product is sold in child resistant packaging, which meets the requirements of 40CFR157.32.

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# CAPTAN GARDEN SPRAY

## A Fungicide For Plant Disease Control

**ACTIVE INGREDIENTS:**

Captan* .....	48.9%
Related Derivatives.....	1.1%
<b>OTHER INGREDIENTS:</b> .....	<u>50.0%</u>
<b>TOTAL</b> .....	<b>100.0%</b>

\*N-Trichloromethylthio-4-cyclohexene-1, 2-dicarboximide

Captan Garden Spray is a microfine wettable powder for use in water as a spray for the control of certain fungal diseases of fruit, vegetable seeds and ornamental crops, and as a soil treatment for the control of certain seed rots and damping-off diseases.

EPA Reg. No. 66330-27  
EPA Est. No. \_\_\_\_\_

LBS. NET \_\_\_\_\_ KG \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN**

### DANGER – PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se al explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail)

**STORE IN COOL, DRY PLACE – PROTECT FROM EXCESSIVE HEAT**

Made in U.S.A.

**ARYSTA LIFESCIENCE NORTH AMERICA CORPORATION**  
100 First St., Suite 1700  
San Francisco, CA 94105

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

**AUG 16 2007**

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

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<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 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>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• 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 further treatment.</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 the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<p><b>Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Have product container or label with you when calling a poison control center or doctor or going for treatment.</b></p>	
<p><b>FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL 1-800-228-5635 Ext. 174, OR 1-612-221-3999 Ext. 174</b></p>	
<p><b>FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300</b></p>	

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

**CORROSIVE.** Causes irreversable eye damage. Harmful if absorbed through skin. May be harmful if swallowed or inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

**RESISTANCE TO PROTECTIVE EQUIPMENT (PPE)**

Some materials that are resistant to this product are polyethylene and polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

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All mixers, loaders, applicators, and other handlers (including handlers participating in seeding and transplanting as part of root-dip) must wear:

- long-sleeved shirt and long pants, shoes plus socks,
- chemical-resistant gloves made of waterproof material (except applicators driving motorized equipment),
- chemical-resistant apron when participating in dip treatments,
- goggles or face shield
- NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter must be worn by all handlers when mixing/loading, cleaning up spills, cleaning equipment or otherwise exposed to the concentrate.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

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

#### **ENGINEERING CONTROLS**

When handlers use closed systems designed by the manufacturer to enclose the pesticide to prevent it from contacting handlers or other people AND the system is functioning properly and is used and maintained in accordance with the manufacturer's written operating instructions, the handlers need only wear long-sleeved shirt, long pants, chemical resistant gloves, shoes and socks. However, the respirator must be immediately available for use in an emergency, such as a spill or equipment breakdown.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.

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### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on plants being grown for sale or other commercial use, for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climactic modifications and being grown in interior landscapes or ornamental gardens,

CAPTAN GARDEN SPRAY is a wettable powder specifically formulated to mix easily with water to form a suspension for spray application. Simply add required amount to water and stir till completely dispersed. If a wetter-spreader is needed on roses or other hard to wet plants, add 0.5 teaspoon of household detergent per gallon to spray mixture. Five (5) level tablespoons or 15 level teaspoonfuls equal one ounce of CAPTAN GARDEN SPRAY.

Apply sufficient spray volume to provide thorough, even coverage.

Do not apply this product through any type of irrigation system.

### 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 determine 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 ground boom application:

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

Do not apply this product with aerial equipment.

Do not allow people or pets to enter the treated area until sprays have dried.

--For applications to seeds: All persons handling unbagged treated seed must be wearing the personal protective equipment required on this labeling for handlers.

Do not apply this product in a way that will contact any person or pet either directly or through drift.

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## ORNAMENTALS

### USE PRECAUTIONS

Do not apply spray to ornamental plants listed below beyond the point of drip from the leaf surface. When applying as a drench 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.

### AZALEA, CARNATION, CHRYSANTHEMUM (Damping-off)

Dip cuttings in a suspension of 3 tablespoons per gallon of water before bedding.

### CARNATION (Rust, Alternaria Leaf Spot): CHRYSANTHEMUMS (Botrytis Flower Blight)

5 teaspoonfuls per gallon of water. Apply at first sign of disease. Repeat at 7 to 10 day intervals. Use the shorter interval under conditions favorable to infection.

### GLADIOLUS, TUBEROUS BEGONIAS (Rot, Damping-off)

Use 9 teaspoonfuls per gallon of water for tuberous begonias and 9 to 36 teaspoonfuls per gallon of water for gladiolus corms. Dip bulbs for 30 minutes. Stir, drain and plant.

### ROSE (Black spot)

Use 5 teaspoonfuls per gallon of water. Apply at first sign of disease. Repeat at 7 to 10 day intervals. Use the shorter interval under conditions favorable to infection.

### TURF (golf course) (Brown Patch, Damping-off, Leaf Spot, Rust)

Use 75 teaspoonfuls per gallon of water and apply 1 gallon per 100 sq. ft. of turf. Begin application when new growth starts in the spring. Repeat at 7 to 10 day intervals as needed.

The maximum application rate is 8.6 lbs of CAPTAN GARDEN SPRAY (4.3 lb ai/acre) with a maximum seasonal application rate of 17.2 lbs of CAPTAN GARDEN SPRAY (8.6 lb ai/acre).

Do not apply to residential lawns. Do not enter or allow others to enter until sprays have dried.

## SEED TREATMENT

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box, or other seed-treatment applications at or immediately before planting.

### BEANS, CABBAGE, CORN, MELONS, PEAS, SQUASH: (Seed Rot, Damping-off)

Use 1/2 teaspoonful per pound of dry seeds.

**BEETS, SWISS CHARD, SPINACH GRASS (Seed Rot, Damping-off)**

Use 18 ounces (9 ozs ai) per 100 lbs seed for beets, Swiss chard and grass seed.  
Use 9 ounces (4.5 oz ai) per 100 lbs seed for spinach. Mix thoroughly.

**NOT FOR COMMERCIAL SEED TREATMENT.**

**FRUIT**

**APPLE (Scab, Fruit Spot, Sooty Blotch, Fly-Speck, Frog-eye, Fruit Rots)**

Use 2 level tablespoons per gallon of water. Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts per medium-size tree, and 1 to 3 gallons for large/mature trees. Apply at 10 to 14 day intervals from petal fall through harvest. For Frog-eye leaf spot also apply during the prebloom and bloom periods on a 10 to 14 day schedule.

The maximum application rate is 8 lbs of CAPTAN GARDEN SPRAY per acre (4 lb/acre), with a maximum seasonal application rate of 64 lbs of CAPTAN GARDEN SPRAY per acre per crop cycle (32 lb ai/acre per crop cycle).

**GRAPE (Downy Mildew, Black Rot)**

Use 5 teaspoons per gallon of water. Spray ½ gallon per 100 sq. ft. Apply just before bloom, just after bloom and 7 to 10 days after bloom. Make an additional application 2 to 3 weeks later for downy mildew. **(Dead Arm) (current season infections) (Northeastern states)** – Use 5 teaspoons per gallon of water. Spray ½ gallon per 100 sq. ft. apply when shoots are 1 to 2 inches long. Repeat application when shoots are 4 to 6 inches long.

**PEACH (Brown Rot, Scab)**

Use 2 level tablespoons per gallon of water in pink, full bloom, petal fall, shuck shed, cover and preharvest sprays. Spray 1 to 2 pints per small/dwarf tree, 1 to 2 quarts per medium sized tree, and 1 to 3 gallons per large/mature tree. Repeat applications at 7 to 14 day intervals as needed to maintain cover. Continue applications through harvest if conditions favor brown rot.

The maximum application rate is 8 lbs of CAPTAN GARDEN SPRAY per acre (4 lb ai/acre), with a maximum seasonal application rate of 64 lbs per acre per crop cycle (32 lb ai/acre per crop cycle).

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

**PESTICIDE STORAGE:** Keep pesticide in original container. Protect from excessive heat. Store in a cool, dry place.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess 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:** Do not reuse container. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**NOTICE TO BUYER AND USER:  
CONDITIONS OF SALE:**

1. ARYSTA LIFESCIENCE NORTH AMERICA CORPORATION warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use.
2. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arysta LifeScience North America. **ARYSTA LIFESCIENCE NORTH AMERICA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA LIFESCIENCE NORTH AMERICA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**
3. Critical and unforeseeable factors beyond Arysta LifeScience North America's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated on the label and even though label directions are followed. Except as stated in 1 above, Buyer and User acknowledge and assume all risks and liability resulting from handling, storage, and use of this product.

This product is sold only for uses stated on its label. No expressed or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States