

83070-8

5 12/17/2012

pages 1/6



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Dr. Joseph W. Burley  
Registration Manager  
Advan LLC  
2520 Meridian Parkway, Suite 525  
Durham, NC 27713

DEC 17 2012

Subject: Advan Propamocarb  
EPA Registration No. 83070-8  
Resubmission Amendment Dated September 26, 2012  
Decision No. 460362

Dear Dr. Burley:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

- 1) On page 3, within the "Crop Use Directions" table, 2nd column, revise "Curative Treatment: 3-4... of water" to read "Curative Treatment: 3-4 fluid ounces per 1000 sq. ft. in 2-5 gallons of water."
- 2) On page 4 and 5, revise the header of the second column to read "Application Rate of Advan Propamocarb."
- 3) On page 4, within the "Crop Use Directions" for "Ornamentals" under the "Comments" section for "Woody Ornamentals" revise the 2nd sentence to read "Do not apply more than two applications of Advan Propamocarb per container per year..."

One copy of the label stamped "Accepted with comments" is enclosed for your records. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment. If you have any questions, please contact Tamue L. Gibson by phone at (703) 305-9096 or via email at [gibson.tamue@epa.gov](mailto:gibson.tamue@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7504P)

Enclosure

2/6

# Advan Propamocarb

for Control of Pythium and Phytophthora

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

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

EPA Reg. No. 83070 - 8

EPA Est. No.

NET CONTENTS \_\_\_\_\_ GALS.

## KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                                                                                                              |
| HOT LINE NUMBER                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                    |
| 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
- A chemical-resistant apron, if dipping cuttings

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**DEC 17 2012**

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

**83070-8**

3/6

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.

#### 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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing/PPE 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

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, and greenhouses.

Do not enter or allow others to enter treated areas until spray deposit has dried completely.

4/6

**USE RESTRICTIONS**

Do not graze or feed clippings from treated areas to livestock. Do not apply this product through any type of irrigation system.

**PRODUCT INFORMATION**

Advan Propamocarb is a completely water miscible fungicide concentrate. Advan Propamocarb is intended for use on turfgrass, which is subject to Pythium Blight (Cottony Blight, Grease Spot). It may be used after germination to control Pythium damping-off in turf, or on established turf to prevent or control Pythium Blight. Advan Propamocarb 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.

Advan Propamocarb is also labeled for prevention of root rot and damping-off caused by *Pythium* spp. and *Phytophthora* spp. at all stages of ornamental propagation.

**COMPATIBILITY:** Advan Propamocarb is compatible with, iprodione, triadimefon, chlorothalonil, chlorpyrifos and thiram. For control of other soil-borne diseases such as *Rhizoctonia* spp. or *Fusarium* spp., Advan Propamocarb can be tank mixed with thiophanate-methyl. Use the full rate of each fungicide and follow all directions and restrictions appearing on the labels of these products. Follow most restrictive label requirements. Do not tank mix with any product that contains a prohibition on tank mixing.

**CROP USE DIRECTIONS**

**TURFGRASS:** Only for use on golf courses and sod farms. Do not apply more than a total of 12 fl. oz. (equivalent to 0.57 lb a.i.) of Advan Propamocarb per 1000 sq. ft. per year (25 lbs a.i./acre/year).

| CROP                                                                                                             | APPLICATION RATE OF ADVAN PROPAMOCARB PER 1000 SQ. FT.                                | COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TURFGRASS:</b> For control of Pythium Blight and Pythium Damping-Off on Established Turf and Overseeded Areas | Preventive Treatment: 1.3 - 2 fluid ounces per 1000 sq. ft. in 2 - 5 gallons of water | <b>ESTABLISHED TURF*:</b> Apply as a preventive treatment during periods of high humidity favorable to the development of Pythium Blight.                                                                                                                                                                                                                                                                                 |
|                                                                                                                  | Curative Treatment: 3 - 4 fluid ounces in 2 - 5 gallons of water                      | <b>OVERSEEDED AREAS*:</b> Apply after germination to control Pythium Damping-Off.<br><b>RETREATMENT:</b> Retreat at 7 - 21 day intervals if conditions remain favorable for disease development. Use the lower rate for the shorter interval and the higher rate for the longer interval within the application rate range. Under severe disease pressure conditions, use the highest labeled rate and shortest interval. |

\*NOT FOR USE ON SOD FARMS IN ARIZONA

**ORNAMENTALS:** Only for use on commercially grown ornamentals in greenhouses and container-grown ornamentals in nurseries. Drench applications must be limited to soil directed sprays. The maximum single application for ornamentals must be ≤ 82 lbs.ai/acre. Ornamental applications must be limited to no more than 2 applications/year and must not exceed the maximum yearly rate of 128 lbs. ai/acre/year. Foliar applications to ornamentals grown for cut flowers are prohibited.

5/6

| CROP                                                                                                                                                                                                                                                                                                                                                                                                                                          | APPLICATION RATE OF ADVAN PROPAMOCARB PER 1000 SQ. FT. | COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ORNAMENTALS:</b><br/>For control of Pythium and Phytophthora on ornamental plants:<br/>African Violet,<br/>Ageratum, Alyssum,<br/>Aster, Azalea,<br/>Browallia, Carnation,<br/>Celosia,<br/>Chrysanthemum,<br/>Coleus, Dahlia, Dusty Miller, Easter Lily,<br/>Ferns, Geranium,<br/>Gloxinia, Impatiens,<br/>Lobelia, Marigold,<br/>Pansy, Petunia,<br/>Poinsettia, Portulaca,<br/>Salvia, Snapdragon,<br/>Verbena, Violet and Vinca</p> | <p>3 fluid ounces per 10 gallons of water</p>          | <p>Advan Propamocarb is labeled for prevention of root rot and damping-off at all stages of ornamental propagation. Advan Propamocarb requires no agitation after initial mixing. Use Advan Propamocarb within one week of mixing. Advan Propamocarb does not cause phytotoxic symptoms on the listed plants when used as directed. Conduct trials on other ornamental species before extensive use.</p> <p><b>SEEDING:</b> Apply to the seeding area using 3 quarts of solution per 10 sq. ft. Treat before sowing of seeds requiring light and after covering of seeds requiring dark for germination. Do not apply more than two applications of Advan Propamocarb per container per year. If a second application is needed, the minimum retreatment interval is 7 days.</p> <p><b>TRANSPLANTING SEEDLINGS:</b> Apply to the transplanting area using 3 quarts of solution per 10 sq. ft. before transplanting. Do not apply more than two applications of Advan Propamocarb per container per year. If a second application is needed, retreat at a minimum interval of 7 days to 6 months depending on the plant species and cultural practices.</p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>2 fluid ounces per 10 gallons of water</p>          | <p><b>TRANSPLANTING CUTTINGS:</b> Drench cutting bed using 2 gallons of solution per 10 sq. ft. before setting. Do not apply more than two applications of Advan Propamocarb per container per year. If two applications are being made, do not exceed 31.5 fluid ounces of Advan Propamocarb per 1000 sq. ft. per application. If a second application is needed, retreat at a minimum interval of 7 days to 6 months depending on the plant species and cultural practices.</p> <p><b>POTTING:</b> Dip bare root plants in the solution before potting. After potting, drench each pot at the rate of 3.5 fluid ounces of solution per 4-inch pot. Do not exceed 31.5 fluid ounces of Advan Propamocarb per 1000 sq. ft. per application and do not apply more than two applications per container per year. If a second application is needed, retreat at a minimum interval of 7 days to 6 months depending on the plant species and cultural practices.</p>                                                                                                                                                                                           |
| <p><b>WOODY ORNAMENTALS:</b> For control of Phytophthora</p>                                                                                                                                                                                                                                                                                                                                                                                  | <p>2.5 fluid ounces per 10 gallons of water</p>        | <p>Drench each container at the rate of 5 quarts of solution per 10 sq. ft. of surface. Do not apply more than two applications per container per year.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

6/6

| CROP                                                                                                                                                                                                                                                                                                    | APPLICATION RATE OF ADVAN PROPAMOCARB PER 1000 SQ. FT. | COMMENTS                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| spp. on species such as Azalea, Abelia, Berberis, Buddleja, Buxus, Camellia, Chamaecyparis, Cotoneaster, Eunonymus, Ficus, Forsythia, Hibiscus, Hydrangea, Ilex, Juniperus, Ligustrum, Lonicera, Osmanthus, Philadelphus, Pyracantha, Rhododendron, Rosa, Spiraea, Thuja, Vibernum, Weigela and Yucca . |                                                        | If two applications are being made, do not exceed 31.5 fluid ounces of Advan Propamocarb per 1000 sq. ft. per application. If a second application is needed, retreat at a minimum interval of 7 days to 6 months depending on the plant species and cultural practices. |

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food or feed by storage and 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 container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follow: 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. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**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, 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 for:  
 Advan LLC  
 2520 Meridian Parkway, Suite 525  
 Durham, NC 27713