



Shield-Brite[®] PENBOTEC[®] 400 SC

POST-HARVEST

For postharvest use on pome and stone fruit crop groups

ACTIVE INGREDIENT:

Pyrimethanil: 4,6-dimethyl-N-phenyl-2-pyrimidinamine* 37.14%

OTHER INGREDIENTS: 62.86%

TOTAL: 100.00%

Contains 3 .27 lbs . active ingredient per gallon (400 g/L)

EPA REG. No. 43813-32-64864

EPA EST. No.: 64864-WA-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- If on skin
- Take off contaminated clothing.
 - Rinse skin immediately with plenty of water for 15-20 minutes.
 - Call a poison control center or doctor for treatment advice.

- If inhaled
- 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.
 - Call a poison control center or doctor for further treatment advice.

- If swallowed
- Call a poison control center or doctor immediately for treatment advice.
 - Have person sip a glass of water if able to swallow.
 - Do not induce vomiting unless told to do so by a poison control center or doctor.
 - Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER: For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378. For chemical emergency assistance (spill, leak, fire, or accident), call Chem Trec at 1-800-424-9300.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NET CONTENTS: 1 .25 gallon (4 .75 L)

SKU #: 10182

LOT #:

* Pyrimethanil manufactured by Bayer CropScience AG



Manufactured For:

Pace International

5661 Branch Road, Wapato, WA 98951

800.936.6750 www .paceint .com

PMP 1604/L/US/LA215559/POME+STONEFRUITS/PACE/Pace Wapato

624001

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (Natural Rubber, Selection Category A). Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment, or disposal of wastes.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Apply this product only as specified on this label.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or other hard surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product can not be used according to the label. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

DISPOSAL: Wastes resulting from the use of this product must 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 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 incineration, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRODUCT INFORMATION:

Pome Fruit Group 11-10: For the control of blue mold (*Penicillium expansum*), gray mold (*Botrytis cinerea*), Phaciidiopycnis rot (*Phaciidiopycnis piri*), and bull's eye rot (*Neofabraea perennans* & *N. malicorticis*).

Stone Fruit Group 12-12: For the control of brown rot (*Monilinia*) and gray mold (*Botrytis cinerea*).

Use of Shield-Brite Penbotec 400 SC should be integrated into an overall disease management program within each packinghouse.

FUNGICIDE RESISTANCE MANAGEMENT GROUP 9 FUNGICIDE

Shield-Brite Penbotec 400 SC is an anilino-pyrimidine fungicide that does not exhibit cross-resistance to sterol-inhibiting or benzimidazole fungicides. Shield-Brite Penbotec 400 SC interferes with the secretion of enzymes necessary for infection by several postharvest pathogens, therefore, preventative applications soon after harvest or injury is necessary for optimal product performance. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of postharvest resistance management strategies should be practiced. These may include rotating and/or tank mixing with products having different modes of action. Responsible resistance management practices are necessary to ensure the long-term effectiveness for decay control.

MIXING INSTRUCTIONS

Fill tank with half of the required amount of water or water wax and start mechanical agitation. Add the required amount of Shield-Brite Penbotec 400 SC and then add the remaining volume of water or water wax. Maintain agitation after mixing and do not allow treating solution to stand overnight or for prolonged periods. For in-line injection systems better distribution will be achieved by injecting a larger volume of a more dilute solution per unit of time.

The physical compatibility of Shield-Brite Penbotec 400 SC with all tank mix partners and wax types has not been fully investigated. This product cannot be mixed with any product containing a label prohibition against such mixing. Follow the more restrictive labeling requirements of any tank mix partner. No label dosage rates for the individual products may be exceeded. Prior to tank mixing with Shield-Brite Penbotec 400 SC, conduct a jar test with the volumes and rates typically used for postharvest disease control. Add proportionate amounts of the products to a small container of water or water wax in the following order: Wettable powders and water-dispersible granules first, followed by liquid flowables, and emulsifiable concentrates last. After thorough mixing, let stand for at least 15 minutes. Separation, globules, sludge, flakes or other precipitates are indicative of physical incompatibility. Physical compatibility is indicated if the combination remains mixed or can be remixed readily. **THE CROP SAFETY OF ALL POTENTIAL PESTICIDE TANK MIXES WITH Shield-Brite Penbotec 400 SC INCLUDING ANTI-SCALD AGENTS AND WAXES, HAS NOT BEEN TESTED ON ALL CROPS AND VARIETIES. BEFORE APPLYING ANY TANK MIXTURE, CONFIRM SAFETY TO THE TARGET CROP BEFORE USE.**

USE RATES:

| POME FRUITS GROUP 11-10: Apple, Azarole, Crabapple, Loquat, Mayhaw, Medlar, Pear, Pear (Asian), Quince, Quince (Chinese & Japanese), Tejocote, and all cultivar, varieties and/or hybrids of these. | | | |
|--|------------------------------|--|-----------------------------|
| Treatment Method | Rate fl.oz/100 gal | Treatment Time (min) | Concentration A.I. (ppm) |
| Dip, wash tanks | 16 – 32 | 1 | 500-1000 |
| Drenchers | 16 - 32 | 1 | 500-1000 |
| Aqueous line spray | 32 | 1 | 1000 |
| Wax line spray | 64 | 1 | 2000 |
| STONE FRUITS GROUP 12-12: Apricot, Apricot (Japanese), Capulin, Cherry (black, Nanking, sweet & tart), Jujube (Chinese), Nectarine, Peach, Plum, Plum (American, beach, Canada, cherry, Chickasaw, Damson, Japanese, Klamath, prune), Plumcot, Sloe, and cultivars, varieties and/or hybrids of these. | | | |
| Treatment Method | Rate | Treatment Time (min) | Concentration A.I. (ppm) |
| Dip tanks | 16 fl. oz./100 gal | 0.5 (30 sec) | 500 |
| High volume line spray nozzle or flood application (aqueous/ water-wax/wax-oil emulsion) | 16 fl. oz./100 gal | 0.5 (30 sec) | 500 |
| STONE FRUITS GROUP 12-12 EXCEPT CHERRY: Apricot, Apricot (Japanese), Capulin, Jujube (Chinese), Nectarine, Peach, Plum, Plum (American, beach, Canada, cherry, Chickasaw, Damson, Japanese, Klamath, prune), Plumcot, Sloe, and cultivars, varieties and/or hybrids of these. | | | |
| Low volume line spray nozzle application (i.e. CDA) (aqueous/water-wax/wax oil emulsion) | 33.8 fl.oz per 80–120 gal | 400 g AI per 200,000 lbs fruit (4 g AI/ton fruit) | |

Periodically measure the Shield-Brite Penbotec 400 SC concentration of the treating solutions from drenchers, dips and wash tanks to maintain the proper level of Shield-Brite Penbotec 400 SC.

Restrictions

- For pome fruits, a maximum combination of two application methods may be used.
- For stone fruits, do not make more than a single application.

Acceptable treatment scenarios are presented below:

| Shield-Brite Penbotec 400 SC Application Methods | | | | | |
|--|-----------|---|--|---------------------|--------------|
| POME FRUITS GROUP 11-10: Apple, Azarole, Crabapple, Loquat, Mayhaw, Medlar, Pear, Pear (Asian), Quince, Quince (Chinese & Japanese), Tejocote, and all cultivar, varieties and/or hybrids of these. | | | | | |
| Treatment Scenario | Drench | Dip & Wash tanks | Aqueous spray | Storage Wax | Shipping Wax |
| 1 | √ | √ | | | |
| 2 | √ | | √ | | |
| 3 | √ | | | | √ |
| 4 | | √ | | | √ |
| 5 | | | √ | | √ |
| 6 | | √ | √ | | |
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| Treatment Scenario | Dip tanks | High volume line application (i.e. flooder) | Low volume line application (i.e. controlled droplet applicator) | | |
| 1 | √ | | | | |
| 2 | | √ | | | |
| 3 | | | | √ (except cherries) | |

NOTICE OF WARRANTY

Pace International warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application other than as specified on the label, all of which are beyond the control of Pace International. To the extent permitted by law, Pace International disclaims any liability for consequential, special or indirect damages resulting from the use, handling, application, storage or disposal of this product or for damages in the nature of penalties, and the buyer and user waive any right that they may have to such damages. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PACE INTERNATIONAL MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OF IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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