



PacRite[®]

PENBOTEC[®] 400 SC

POST-HARVEST

For postharvest use on citrus, stone fruit crop
groups and pomegranates

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)

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

If on skin	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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.
<p>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.</p>	

EPA REG. NO. 43813-32-64864

EPA EST. NO. 085158-BEL-002

NET CONTENTS:

33.8 fl . oz . (1 liter)

SKU #: 10163

LOT #:

* PENBOTEC is a registered trademark of Janssen Pharmaceutica NV

*Pyrimethanil manufactured by Bayer CropScience AG

PMP 1606/L/US/IA215559/CITRUS-STONEFRUITS-POMEGRANATES/PACE



Manufactured For:

Pace International

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Acceptable treatment scenarios are presented below:

PacRite PENBOTEC 400 SC Application Methods					
CITRUS FRUITS GROUP 10-10: Australian lime (desert, finger, round), Brown River finger lime, Calamondin, Citron, Citrus hybrids, Grapefruit, Japanese summer grapefruit, Kumquat, Lemon, Lime, Mediterranean mandarin, Mount White lime, New Guinea wild lime, Orange (sour & sweet), Pummelo, Russell River lime, Satsuma mandarin, Sweet lime, Tachibana orange, Tahiti lime, Tangelo, Tangerine (mandarin), Tangor, Trifoliolate orange, Uniq fruit, and all cultivars, varieties, and/or hybrids of these.					
Treatment Scenario	Drench	Dip & Wash tanks	Aqueous spray	Storage Wax	Shipping Wax
1	√			√	
2	√			√	√
3	√	√		√	
4				√	√
5		√		√	
6	√				√
7		√			√
8	√	√			
9	√	√			√
10			√		√
11	√		√		
12	√		√		√

PacRite PENBOTEC 400 SC Application Methods			
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 Scenario	Dip tanks	High volume line application (i.e. floodor)	Low volume line application (i.e. controlled droplet applicator)
1	√		
2		√	
3			√ (except cherries)
POMEGRANATES:			
Treatment Scenario	In-Line Dip/Drench wash tanks		
1	√		

NOTICE OF WARRANTY

Pace International LLC 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 LLC. To the extent permitted by law, Pace International LLC 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 LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OF IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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)	
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POMEGRANATES

Treatment Method	Rate fl.oz/100 gal	Treatment Time (min)	Concentration A.I. (ppm)
Low volume line spray In-line Dip/ Drench, wash tanks (aqueous/water-wax/wax oil emulsion)	32 fl. oz./100 gal	1	1000

Periodically measure the PacRite PENBOTEC 400 SC concentration of the treating solutions from drenchers, dips and wash tanks to maintain the proper level of PacRite PENBOTEC 400 SC. Clean citrus fruits treated by aqueous or wax line spray applications prior to application. Aqueous applications must be applied prior to fruit receiving any wax applications. Pre-dilute the citrus storage wax to the specified use rate of the wax prior to addition of the PacRite PENBOTEC 400 SC fungicide.

Restrictions

- PacRite PENBOTEC 400 SC may be applied to citrus fruits by a maximum combination of three application methods.
- For pomegranates and stone fruits, do not make more than a single application.

**FUNGICIDE RESISTANCE MANAGEMENT
GROUP 9 FUNGICIDE**

PacRite PENBOTEC 400 SC is an anilinopyrimidine fungicide that does not exhibit cross-resistance to sterol-inhibiting or benzimidazole fungicides. PacRite 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 PacRite 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 PacRite 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 PacRite 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 PACRITE 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:

CITRUS FRUITS GROUP 10-10: Australian lime (desert, finger, round), Brown River finger lime, Calamondin, Citron, Citrus hybrids, Grapefruit, Japanese summer grapefruit, Kumquat, Lemon, Lime, Mediterranean mandarin, Mount White lime, New Guinea wild lime, Orange (sour & sweet), Pummelo, Russell River lime, Satsuma mandarin, Sweet lime, Tachibana orange, Tahiti lime, Tangelo, Tangerine (mandarin), Tangor, Trifoliolate orange, Uniq fruit, and all cultivars, varieties, and/or hybrids of these.

Treatment Method	Rate fl.oz/100 gal	Treatment Time (min)	Concentration A.I. (ppm)
Dip, wash tanks	32	2	1000
Drenchers	16	2-4	500
Aqueous line spray	64	1	2000
Wax line spray: Storage & Pack Wax	64	1	2000

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 or 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, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRODUCT INFORMATION:

Citrus Fruit Group 10-10: When applied in aqueous treating systems or when applied in diluted storage wax PACRITE PENBOTEC 400 SC provides control of blue mold (*Penicillium italicum*) and green mold (*Penicillium digitatum*). In citrus pack waxes, PACRITE PENBOTEC 400 SC provides suppression of both green and blue mold.

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

Pomegranate: For the control of *Botrytis* fruit rot (*Botrytis cinerea*).

Use of PacRite PENBOTEC 400 SC should be integrated into an overall disease management program within each packinghouse.