



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:
 64864-79

Date of Issuance:
 11/15/21

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:
 Unconditional

Name of Pesticide Product:
 Shield-Brite PYR 40% SC

Name and Address of Registrant (include ZIP Code):

Pace International LLC
 5661 Branch Road
 Wapato, WA 98951

Simone Seifert-Higgins, Ph.D.
 Regulatory Lead
 Pace International LLC

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 registered 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.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

 For

Cynthia Giles-Parker Branch Chief (FB)
 Fungicide Branch, Registration Division (7505P)

Date:

11/15/21

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 64864-79.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

The alternate brand name PacRite PYR 40% SC has been added to the product record.

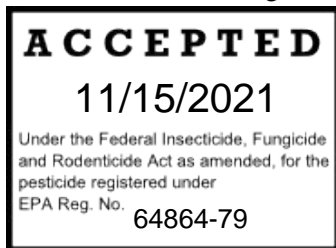
Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 04/12/2021

If you have any questions, please contact Senedu Alemu or via email at alemu.senedu@epa.gov

Enclosure



PYRIMETHANIL	GROUP	9	FUNGICIDE
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Shield-Brite PYR 40% SC
 [Alternate Brand Name: PacRite PYR 40% SC]

For postharvest use on citrus, 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%

* CAS # 53112-28-0

Contains 3.27 lbs. active ingredient per gallon (400 g/L)

EPA Reg. No. 64864-TO

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
 CAUTION**

FIRST AID	
If on skin or clothing	<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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
HOT LINE NUMBER Medical Emergency Phone Number 888-271-4649 (PROPHARMA) Transportation Emergency Phone Number 800-424-9300 (CHEMTREC)	

Net Contents:

Lot #:

Manufactured For:
 Pace International LLC
 5661 Branch Road
 Wapato, WA 98951

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if inhaled. Harmful if 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, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves (Natural Rubber)

User Safety Requirements

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

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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

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. Apply this product only as specified on this label.

This product is toxic to fish and aquatic invertebrates. 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.

PRODUCT INFORMATION

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

Citrus Fruit Group 10-10: When applied in aqueous treating systems or when applied in diluted storage wax Shield-Brite PYR 40% SC provides control of blue mold (*Penicillium italicum*) and green mold (*Penicillium digitatum*). In citrus pack waxes, Shield-Brite PYR 40% 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*).

Use of Shield-Brite PYR 40% SC should be integrated into an overall disease management program within each packinghouse.

FUNGICIDE RESISTANCE MANAGEMENT

PYRIMETHANIL	GROUP	9	FUNGICIDE
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For resistance management, Shield-Brite PYR 40% SC contains a group 9 fungicide. Any fungal population may contain individual naturally insensitive to pyrimethanil and other Group 9 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly. Appropriate resistance-management strategies should be followed. To delay pyrimethanil resistance, take one or more of the following steps:

- Rotate the use of Shield-Brite PYR 40% SC or other Group 9 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pests when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Pace International LLC at 1-800-936-6750. You can also contact your pesticide distributor or university extension specialist to report resistance.

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 PYR 40% 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 PYR 40% 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 PYR 40% 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 PYR 40% 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, Trifoliate 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

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 PYR 40% SC concentration of the treating solutions from drenchers, dips and wash tanks to maintain the proper level of Shield-Brite PYR 40% 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 Shield-Brite PYR 40% SC fungicide.

RESTRICTIONS

- Shield-Brite PYR 40% SC may be applied to citrus fruits by a maximum combination of three application methods.
 - Maximum single application rate via dip or wash tanks: 32 fl. oz/100 gal (1,000 A.I. ppm)
 - Maximum single application rate via drenchers: 16 fl. oz/100 gal (500 A.I. ppm)
 - Maximum single application rate via aqueous line sprays or wax line sprays (storage and pack wax): 64 fl. oz/100 gal (2,000 A.I. ppm)
- For pome fruits, a maximum combination of two application methods may be used.
 - Maximum single application rate via dip, wash tanks, drenchers or aqueous line sprays: 32 fl. oz/100 gal (1,000 A.I. ppm)
 - Maximum single application rate via wax line spray: 64 fl. oz/100 gal (2,000 A.I. ppm)
- For stone fruits, do not make more than a single application. The maximum single application rate for dip tanks, high volume line sprays or flood application is 16 fl. oz/100 gal (500 A.I. ppm). For low volume line spray nozzle applications (except cherries) do not use more than 33.8 fl. oz/80 - 120 gal.

Acceptable treatment scenarios are presented below:

Shield-Brite PYR 40% 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, Trifoliate 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	X			X	
2	X			X	X
3	X	X		X	
4				X	X
5		X		X	
6	X				X
7		X			X
8	X	X			
9	X	X			X
10			X		X
11	X		X		
12	X		X		X

Shield-Brite PYR 40% 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	X	X			
2	X		X		
3	X				X
4		X			X
5			X		X
6		X	X		

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.					
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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	X		
2		X	
3			X (except cherries)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep in original container and keep tightly closed. Store in a cool, secure, dry area.

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:

[For containers equal to or less than 5 gallons]

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

NOTICE TO BUYER

IMPORTANT: Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

Upon purchase of this product, purchaser and user agree to the following terms:

Warranty: Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects. To the extent consistent with applicable law, except as expressly stated in the foregoing sentence, the Company makes no further warranties and expressly disclaims any implied warranties of merchantability or fitness for a particular purpose and any representation or warranty.

Terms of Sale: The Company’s directions for use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company’s control. To the extent consistent with applicable law, all such risks are assumed by the user.

Limitations of Liability: To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury, or other claim. To the extent consistent with applicable law, under no circumstances shall the Company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income.

To the extent consistent with applicable law, the Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

MADE IN USA