

# Pyrethrum TR

## Total Release Insecticide

Treats up to 3,000 square feet (50,000 cubic feet)

**For Use Only on Ornamental Crops and Growing Crops in Commercial Greenhouses**

**KILLS:** Ants (excluding Carpenter, Fire, Harvester & Pharaoh), Aphids, Beetles (Colorado Potato Beetle, Confused Flour Beetles, Cucumber Beetles, Dried Fruit Beetles, Flea Beetles, Red Flour Beetles, Watermelon Beetles), Cabbage Worms, Caddisflies, Crickets, Fungus Gnats, Hornworms, Indianmeal Moths, Leafhoppers, Mealy Bugs, Mediterranean Flour Moths, Mites, Moths, Rose Aphids, Rose Chafers, Rose Slugs, Scale, Silverfish, Spider Mites, Spiders (excluding Black Widow & Brown Recluse), Trogoderma, Thrips and Whiteflies

**Active Ingredients:**

Pyrethrins . . . . .	4.0%
Piperonyl Butoxide* . . . . .	16.0%
<b>OTHER INGREDIENTS:</b> . . . . .	<u>80.0%</u>
<b>TOTAL:</b> . . . . .	100.0%

Contains petroleum distillates.

\* (butylcarbityl)(6-propylpiperonyl) ether and related compounds.

EPA Reg. No. 499-479

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

Refer to full label for **First Aid, Precautionary Statements, Directions for Use, Conditions of Sale and Warranty**, and state-specific use site restrictions.

**In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).**

**Net Contents: [2 ounces]**

<b>FIRST AID</b>	
<b>If on skin</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• <b>DO NOT</b> give any liquid to the person.</li> <li>• <b>DO NOT</b> induce vomiting unless told to by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Agricultural Solutions US LLC (hereafter "BASF") for emergency medical treatment information: 1-800-832-HELP (4357).</p>	
<p><b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate – vomiting may cause aspiration pneumonia. Treatment is symptomatic. Antihistamines are of value.</p>	

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber or viton
- Socks and shoes

### User Safety Requirements

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. **DO NOT** reuse them.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- 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.

### Physical or Chemical Hazards

**Extremely Flammable.** Contents under pressure. Keep away from fire, sparks, and heated surfaces. **DO NOT** puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the Directions for Use on this label very carefully.



Highly Flammable Ingredient  
 Ingrediente Altamente Inflamable

### 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.

Contents of container must be at room temperature before use. Therefore, containers must be stored at room temperature (above 65°F) for 24 hours before application. Make sure spray is unobstructed above units by foliage or other physical objects in order to obtain maximum distribution of fog.

**Notice:** Good greenhouse management must overrule the use of this product when any conditions might be created by tightly closing greenhouses that would harm plant foliage or flowers. Example: Creation of high temperatures or humidity conditions. **DO NOT** use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists.

## AGRICULTURAL USE REQUIREMENTS

**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 responsible for pesticide regulation.

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 PPE, notification to workers and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

The restricted entry interval (REI) is 12 hours. **DO NOT** enter or allow worker entry into the enclosed space during the REI with no ventilation. Early entry into the enclosed space, as permitted by the WPS, is allowed only after ventilating the enclosed space by one of the following criteria, per 40 CFR 170.405 (b)(3):

- 10 air exchanges are completed; or
- 4 hours of ventilation using vents, windows or other passive ventilation; or
- 2 hours of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry to ventilated enclosed spaces that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: coveralls over long-sleeved shirt and long pants, chemical-resistant gloves (made of any waterproof material), socks and shoes.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

### Pesticide Storage

Store in original container in a dry storage area out of reach of children and animals.

### Pesticide Disposal

Product not disposed of by use according to label directions should be wrapped in paper and placed in a trash can. If these wastes cannot be disposed of 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 Handling

**DO NOT** puncture or incinerate! **If empty:** Offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

## In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF 1-800-832-HELP (4357)

## Application Information

### Use Sites

Ornamental crops in commercial greenhouses including:

- Bedding plants
- Containerized plants
- Cut flowers
- Evergreens
- Flowering plants
- Foliage plants
- Ground covers
- Growing crops
- Ornamental trees and shrubs

For a complete listing of growing crops, refer to **Table 1**.

### Mode of Action

The active ingredient in this product, pyrethrin, is a member of the class of insecticides known as pyrethroids (**Group 3A**). This product is effectively introduced to the insect by contact and feeding activity.

## Resistance Management

This product's active ingredient targets sodium channel modulators and effects nerve action within the insect according to the Insecticide Resistance Action Committee (IRAC) under **Group 3A**. Multiple uses of an insecticide with a single given mode of action can result in the development of resistance.

**DO NOT** make more than two (2) consecutive applications of this product before rotating to a chemical with a different mode of action.

**DO NOT** make sequential applications to crops unless applied in combination with other effective insecticides with a different mode of action.

Crop protection products should always be used in integrated pest management programs that are suitable for the crop pest complex involved. Any pest management program undertaken should coordinate different chemistry classes of insecticides in their spray schedules, ensure thorough coverage of targeted crop/pest(s). Use proper chemical rates per label directions, monitoring pest populations and other factors as conditions warrant. Consult your Cooperative Extension Service or BASF sales representative for suggestions on minimizing insect resistance.

## Preapplication Directions

Apply this product when pest or damage typical of indicated pest is observed. Shut off all exhaust fans and close all windows, doors and ventilators. **DO NOT** place within 10 horizontal feet of any ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on. Prepare a 3 foot plant free zone in which to place container. Elevate the container so that the top of the can is above the top of the plant canopy. Make sure spray is unobstructed by foliage or other physical objects in order to obtain maximum distribution of product. Common practice is to place the container on a stool or overturned pot to elevate it to allow for unobstructed release to treat hanging baskets, an empty basket can be used to hold the container and elevate it to the hanging basket level. Low volume horizontal air flow may help optimize performance. Apply when foliage is dry and greenhouse temperature is between 60°F to 80°F. Keep container at room temperature (about 65°F). Prior to a full scale application, run a small scale test and observe for plant damage and performance. See **Plant Safety Information** for more details.

All human and animal occupants of the greenhouse must be removed before treatment. Greenhouse must be ventilated according to the requirements of the Worker Protection Standard before reentry.

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## Total Release Dosage

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Thorough coverage is achieved by the normal air movement within a greenhouse. The chemical will move around and throughout the plant foliage due to the small particle size produced and the normal ebb and flow movement of

the air. Both top and bottom of the plant foliage is covered with particles during application.

**DO NOT** use in small, enclosed spaces such as closets, cabinets or under counters or tables. Use of a Total Release container in an enclosed space may cause it to explode, resulting in injury to people or damage to property.

Initially, make 2 applications 1 week apart. Additional applications may be made at 2 week intervals as long as immature insects are present or adult egg-laying is expected.

Use one 2 ounce container per 3,000 square feet (50,000 cubic feet). For greenhouses with tough to control insects, 2 containers per 3,000 square feet (50,000 cubic feet) is permissible. For smaller greenhouse spaces (less than 3,000 square feet), use one container. Depending on the severity of the insect infestation, the product can be applied 1 to 3 times per week.

## To Activate Containers

Hold the container facing away from the body and depress the actuator until it is locked down. Place the container in the plant-free zone and quickly leave the treatment area. If activating more than one container in the treatment area, begin at the end farthest from the door, and place containers as the applicator moves towards the exit door. Once all containers have been activated, immediately leave the treatment area and close the door. Use low volume horizontal air flow or have fans off for a minimum of 4 hours or overnight.

## Plant Safety Information

The phytotoxic potential of this product has been assessed on a wide variety of common ornamental plants with no phytotoxicity observed. Not all plant species, varieties, and cultivars have been tested for tolerance to this product or pesticide treatments preceding or following those of this product.

Local conditions can also influence plant tolerance and may not match those under which BASF has conducted testing. Test the product on a sample of the plants to be treated to ensure that a phytotoxic response will not occur prior to large-scale use. Because many cultivars within a plant species vary in tolerance to chemical applications and growing conditions, the grower must recognize these differences and test the product accordingly. At a minimum, always test a small group of representative plants for tolerance to this product under local growing conditions and before large-scale use. Grower assumes responsibility for testing species suitability under local growing conditions by treating a small number of plants at the specified rate. At a minimum, this should include evaluating treated plants for several weeks following treatment for possible injury or other effects. To the extent consistent with applicable law, by applying this product, the user assumes responsibility for any crop damage or other liability associated with factors beyond the manufacturer's control, such as weather, presence of other materials, and manner or

use of application. Follow all restrictions and limitations in this label.

**Table 1. Crop Groupings Labeled for Pyrethrum TR Applications**

Crop Group	Crops
<b>Group 1. Root and Tuber Vegetable Group</b>	Beet (garden and sugar), carrot, potato, radish, sweet potato, and turnip
<b>Group 2. Bulb Vegetables</b>	Garlic and onion
<b>Group 4. Leafy Vegetables (Excluding Brassica Vegetables) Group</b>	Celery, endive, lettuce, parsley, and spinach
<b>Group 5. Brassica (Cole) Leafy Vegetables Group</b>	Broccoli, Brussels sprouts, cabbage, cauliflower, collards, kale, and mustard greens
<b>Group 6. Legume Vegetables (Succulent or Dried) Group</b>	Field peas, garden peas, lima beans, snap beans, and soybeans
<b>Group 8. Fruiting Vegetables (Except Cucurbits) – Commodities Group</b>	Eggplant, pepper (including bell, chili, sweet), and tomato
<b>Group 9. Cucurbit Vegetables Group</b>	Cucumber, muskmelon, pumpkin, squash (summer and winter), and watermelon
<b>Group 19. Herbs and Spices Group</b>	Basil, chive, fennel, marjoram (including oregano), parsley, and thyme

## Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF Agricultural Solutions US LLC ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND BASF'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

PCS915

Contains no CFCs or other ozone depleting substances.  
Federal regulations prohibit CFC propellants in aerosols.



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We create chemistry