This information is for promotional purposes only. Space considerations may require information to be omitted.
Always refer to the actual package for complete label verbiage. This product may not yet be available or approved for sale or use in your area.

CHLORFENAPYR	GROUP	13	INSECTICIDE

PISTON™ TR

Contains chlorfenapyr, the active ingredient used in Pylon® TR.

One can treats up to 3,000 square feet (50,000 cubic feet)
For Use on Ornamental Crops and Fruiting Vegetables in Commercial Greenhouses
Kills Mites and Caterpillars ▪ Suppresses Thrips

ACTIVE INGREDIENT:	**(% by weight)**
Chlorfenapyr	4.5%
OTHER INGREDIENTS:	95.5%
TOTAL:	100.0%

EPA Reg. No.: 91234-66

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KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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.)

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

FIRST AID	
If in eyes:	▪ Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. ▪ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. ▪ Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at **1-844-685-9173** for emergency medical treatment information.	

For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night Within USA and Canada:
1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

Piston™ TR is not manufactured, or distributed by BASF Corporation, seller of Pylon® TR.

Atticus

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Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

WARNING

Causes substantial but temporary eye injury. DO NOT get in eyes or on clothing. Wash hands 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):

Some materials that are chemical-resistant to this product are listed below.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (such as barrier laminate and butyl rubber ≥ 14 mils)
- Socks and shoes, and
- Protective eyewear (such as goggles, face shield or safety glasses)

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. Remove and wash contaminated clothing before reuse.

USER SAFETY REQUIREMENTS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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Physical or Chemical Hazards:

Flammable. Contents under pressure. Keep away from heat, sparks and open flame. **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.

Contents of container must be at room temperature before use; therefore, cans must be stored at room temperature (above 65°F) for 24 hours before application. Elevate the container so that the top of the can is above the top of plant canopy and clear a 3 foot area around the can. Make sure spray is unobstructed 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 conditions that would harm plant foliage or flowers might be created by tightly closing greenhouses. **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, 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 (PPE), notification to workers, 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 with no ventilation. Alternatively, you may ventilate the treated areas after four hours per 40 CFR 170.110(c)(3) until after:

- 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.

Using one of these ventilation methods is equivalent to the REI of 12 hours with no ventilation, and no PPE is required after this time.

Early entry to treated areas is permissible after 4 hours (per 40 CFR 170.112) to perform short-term activities, such as ventilation procedures, provided personal protective equipment is worn. PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, chemical-resistant gloves (such as barrier laminate and butyl rubber ≥ 14 mils), shoes plus socks.

APPLICATION INFORMATION

Use Sites:

Fruiting vegetables and ornamental crops in commercial greenhouses including, but not limited to:

- Fruiting Vegetables (Tomato, Eggplant, Pepper [bell, chili, cooking, pimento, sweet], Tomatillo, etc.)
- Bedding plants
- Containerized plants
- Cut flowers
- Evergreens
- Flowering plants
- Foliage plants
- Ground covers
- Non-bearing fruit and nut trees and vines
- Ornamental trees and shrubs

Mode of Action:

The active ingredient in this product, chlorfenapyr, is a member of the class of miticides/insecticides known as pyrroles (**Group 13**). This product is effectively introduced to the insect by contact and feeding activity.

For resistance-management, **Piston TR** contains a Group 13 insecticide. Any insect population may contain individuals naturally resistant to **Piston TR** and other Group 13 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed. To reduce the potential for developing insect resistance, rotate to an insecticide with a different mode of action. Monitor treated pest populations for resistance development. Read product label before applying any insecticide and follow label directions.

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To delay insecticide resistance, take the following steps:

- Rotate the use of **Piston TR** or other Group 13 insecticides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of **Piston TR** per season.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC representatives at atticusllc.com.

DO NOT apply this product more than three (3) times during a crop growing cycle.

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 miticides/insecticides with a different mode of action.

Crop protection chemicals 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 Atticus 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. Turn off all 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 plant canopy. Make sure spray is unobstructed by foliage or other physical objects in order to obtain maximum distribution of fog. 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.

Total Release Dosage:

For dosage by pest, see **Table 1. Pests Controlled by Piston TR**. 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. When applying to fruiting vegetables, allow at least 7 days between each application, and **DO NOT** use on tomato varieties with a diameter <1 inch when mature.

See **Table 2. Vegetables Approved for Piston TR Use** for a full list of vegetables on which this product can be used. **DO NOT** use in small, enclosed spaces such as closets, cabinets or under counters or tables. Use of a fogger in an enclosed space may cause it to explode, resulting in injury to people or damage to property.

To Start Fogging:

Hold the container facing away from the body and depress the actuator until it is locked down. Once the container has been activated, place the container in the plant-free zone, vacate the structure immediately, and close the door.

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Table 1. Pests Controlled by Piston TR

Target Pest	Use Rate per square feet of plant foliage	
	Low Rate	High Rate
Mites, including: Two-spotted Spider mite *(Tetranychus urticae* and other *Tetranychus* sp.*)*, Broad mite *(Polyphagotarsonemus latus)*, Citrus budmite *(Eriophyes pallidus)*, Rust mite *(Phyllocoptruta* sp., *Epitrimerus* sp., and *Aculus* sp.*)* This product does not control egg mite stage.	1 can per 3,000 square feet	2 cans per 3,000 square feet
Caterpillars, including immature and adult stages of caterpillar such as: Beet armyworm *(Spodoptera exigua)*, Cabbage looper *(Trichoplusia ni)*, Soybean looper *(Pseudoplusia includens)*	Repeat applications can be made at 7 day intervals.	
Thrips, including: Immature stage of Chilli thrips *(Scirtothrips dorsalis Hood)*, Western Flower thrips *(Frankliniella occidentalis)*		

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.

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Local conditions can also influence plant tolerance and may not match those under which Atticus 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 on this label.

To minimize the risk of injury to ornamentals:

- Avoid application to plugs in early stages of development (1 to 2 leaf stage) as phytotoxicity may develop to some tender crops. If application is intended for this plant state, test this product on a small number of plants before doing large-scale treatments because phytotoxicity can occur to plugs at the 1 to 2 leaf stage.
- Make applications prior to blooming or avoid blooms where possible.
- Apply during the cooler parts of the day.

Plants listed in **Table 3. Plant Species Not Tolerant to Piston TR** have been found, under certain circumstances, to be less tolerant to this product. Applications to these crops are made at user risk.

Table 2. Vegetables Approved for Piston TR Use

Common Name	Scientific Name
Eggplant	*Solanum melongena*
Groundcherry	*Physalis* spp.
Pepinos	*Solanum muricatum*
Peppers	*Capsicum* spp.
Tomatillo	*Physalis ixocarpa*
Tomato*	*Lycopersicon esculentum*
* **DO NOT** use on tomato varieties with a diameter <1 inch when mature.	

Table 3. Plant Species Not Tolerant to Piston TR

Common Name	Scientific Name
Dianthus (including carnations, pinks, and Sweet William varieties)	*Dianthus* spp.
Florist Azalea	*Rhododendron* spp.
Kalanchoe	*Kalanchoe blossfeldiana*
Poinsettia	*Euphorbia pulcherrima*
Roses	*Rosa* spp.
Salvia	*Salvia* spp.
Zinnia	*Zinnia* spp.

STORAGE AND DISPOSAL

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

Pesticide Storage: DO NOT store below 32°F. Store in a cool, dry (preferably locked) area, away from heat or open flame, in a place that is inaccessible to children and animals.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling: DO NOT puncture or incinerate. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Contact your local solid waste agency for disposal instructions.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

Piston™ TR is a trademark of Atticus, LLC

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