

FOR USE ON ORNAMENTAL CROPS AND VEGETABLES* GROWN IN COMMERCIAL GREENHOUSES

Product Information Bulletin

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GENERAL INFORMATION

PYLON is the first product in the Pyrrole class of chemistry. PYLON is a cost effective, broad-spectrum miticide/insecticide that is now labelled for **thrips** control on both ornamentals and vegetables. PYLON is also effective on **foliar nematodes**, **fungus gnats** and some **caterpillars**. PYLON contains two (2) pounds of active ingredient chlorfenapyr per gallon. PYLON is a suspension concentrate (SC) formulation.

Common Name: Chlorfenapyr

Class: Pyrroles

Packaging: 16 ounce containers

RESTRICTED ENTRY INTERVAL AND SIGNAL WORD

REI: 12 hours

Signal Word: Caution

PERSONAL PROTECTION EQUIPMENT (PPE)

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC) or Viton (≥14 mils).
- Shoes plus socks

Advantages of PYLON

- 14-28 days of control
- Novel mode of action
- Low rates
- Controls broad spectrum of mites
- Good thrips rotational partner
- Translaminar activity
- Rainfast in one hour
- 24 hour knock-down, mortality in 72 hours (except for foliar nematodes)
- Only registered product for foliar nematodes in greenhouses

MODE OF ACTION

PYLON is effective on mites and insects through both contact and ingestion. PYLON is a Pro Insecticide and Miticide. This means, after exposure to PYLON, enzymes within the target pest convert PYLON to an active form, which interferes with energy production in cell mitochondria. As a result the target pest dies from the inability to generate its own energy. PYLON is highly selective to arthropod and nematode pests.

This novel mode of action reduces the potential for cross-resistance to other insecticides, making PYLON a good fit in a resistance management strategy.

PYLON has excellent translaminar mobility and is rainfast in one hour.

USE SITES

PYLON may be used on ornamental crops and vegetables grown in commercial greenhouses.

TARGET PESTS CONTROLLED

| MITES | Excellent | Good | Moderate |
|-------------------------|-----------|------|----------|
| Spider mites | ✓ | | |
| Two-spotted spider mite | ✓ | | |
| Broad mite | ✓ | | |
| Cyclamen mite | ✓ | | |
| Rust mite | ✓ | | |
| Citrus mite | ✓ | | |
| OTHER PESTS | Excellent | Good | Moderate |
| Foliar Nematodes | ✓ | | |
| Fungus Gnats | ✓ | | |
| Caterpillars | ✓ | | |
| Thrips | ✓ | | |

APPLICATION AND RATES

PYLON label rates per 100 gallons of water are:

2.6 – 20.0 fluid ounces depending on target pest.
Refer to the product label for specific rates.

TANK MIXING

- PYLON is tank mix compatible with commonly used insecticides and fungicides. If local experience is unavailable a compatibility test should be performed before tank mixing PYLON with other insecticides and fungicides. Treat a small number of plants and observe for five days prior to making a total crop application.
- PYLON must be fully dispersed in water with the agitator engaged before the addition of tank mix materials.
- PYLON should not be mixed with crop oils, surfactants, fertilizers or other tank additives.

RESISTANCE MANAGEMENT

- PYLON may be applied two times consecutively or a total of three times during a growing cycle.
- To reduce the potential for development of insect resistance to PYLON, alternate with insecticides and miticides from different classes of chemicals with different modes of actions.
- PYLON should not be used on consecutive crops in a greenhouse structure.

Resistance Management Program for Mites

I. Low Initial Infestation

| Application | Miticide | Chemical Class | MOA Group | Residual | REI |
|-------------|--------------------------------|----------------|-----------|------------|-----|
| 1 | Judo™ (2-4 fl oz/100 gal) | Tetronic acid | 23 | 30 days | 12 |
| 2 | Pylon® (2.6 fl oz/100 gal) | Pyrrrole | 13 | 21-28 days | 12 |
| 3 | Floramite® (2-4 fl oz/100 gal) | Carbazate | 25 | 21-28 days | 12 |
| 4 | Judo™ (2-4 fl oz/100 gal) | Tetronic acid | 23 | 30 days | 12 |
| 5 | Pylon® (2.6 fl oz/100 gal) | Pyrrrole | 13 | 21-28 days | 12 |

II. High Initial Infestation

| Application | Miticide | Chemical Class | MOA Group | Residual | REI |
|-------------|--|---|-----------|--------------------------|----------|
| 1 | Triact® (1-2 gal/100 gal) | Clarified Hydrophobic Extract of Neem Oil | ** | 3-7 days | 4 |
| 2 | Judo™ (2-4 fl oz/100 gal) | Tetronic acid | 23 | 30 days | 12 |
| 3 | Pylon® (2.6 fl oz/100 gal) + TetraSan™ (8-16 fl oz/100 gal) | Pyrrrole + 2,4 Diphenyloxzoline | 13+ 10 | 21-28 days 21-28 days | 12 12 |
| 4 | Floramite® (2-4 fl oz/100 gal) | Carbazate | 25 | 21-28 days | 12 |
| 5 | Judo™ (2-4 fl oz/100 gal) | Tetronic acid | 23 | 30 days | 12 |
| 6 | Pylon® (2.6 fl oz/100 gal) + TetraSan™ (8-16 fl oz/100 gal) | Pyrrrole + 2,4 Diphenyloxzoline | 13+ 10 | 21-28 days 21-28 days | 12 12 |

* For details regarding the use of Pylon on greenhouse vegetables, please see the product label.

Always read product label prior to product use.

Judo is a trademark of OHP, Inc.

Pylon is a registered trademark of BASF Corp.

TetraSan is a trademark of Valent USA Corp.

Floramite is a registered trademark of Crompton/Crop Protection Division of Chemtura Corporation..

Triact is a registered trademark of Certis USA.



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