



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 Ariel Rios Building
 1200 Pennsylvania Ave., NW
 Washington, D.C. 20460

EPA Reg. Number:
 241-374

Date of Issuance:
 JAN 19 2001

Term of Issuance: Unconditional

Name of Pesticide Product:
 Pylon

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

BASF
 P.O. Box 400
 Princeton, NJ 08543-0400

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/reregistered 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 Sec. 3(c)(5). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

1. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No.241-374."
 - b. Revise the First Aid Statements (Statement of Practical Treatment) in accordance with PR Notice 2001-1.
 - c. Add to the Precautionary Statements the following:
 Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Signature of Approving Official:

Ann Sibold
 Ann Sibold

Date:

JAN 19 2001

CONCURRENCES

SYMBOL	Acting Product Manager 10	7505C					
SURNAME	Insecticide Branch						
DATE	Registration Division (7505C)	<i>A. Sibold</i>					
	EPA Form 8570-6	1-19-2001					

d. Add to the PPE statements the following:

When handlers use closed systems or enclosed cabs in a manner that meets the requirements of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for applicators and other handlers and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

e. Add to the Environmental Hazards Statements the following:

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.

f. Delete the following sentence from the Agricultural use requirements box:

The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

g. The following sentence must immediately follow the heading "Storage and Disposal"
Do not contaminate water, food or feed by storage or disposal.

h. References to "new" or "novel" may only be used for six months after registration or release of the product for shipment, whichever is later.

i. Delete or justify the statements about translaminar mobility.

k. Specify the time interval (growing cycle, per year) for the maximum application rate of 41 fl. oz. (0.64 pounds of active ingredient) per treated acre.

l. Clarify the directions for use of Pylon when mite pressure is severe, so that it agrees with directions elsewhere on the label to make sequential applications at 5-7 days.

m. In lieu of "worm pests" use "caterpillars".

n. You may not disclaim use in accordance with label directions.

2. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

PYLON™
miticide-insecticide

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

ACTIVE INGREDIENT: 4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)- 5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	21.4%
INERT INGREDIENTS:	<u>78.6%</u>
TOTAL:	100.0%

(1 gallon contains 2.0 pounds of active ingredient.)

EPA Reg. No. 241-

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.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

In case of emergency endangering life or property involving this product, call collect, day or night, area code 973-683-3100.

Net Contents:

™ Trademark of American Cyanamid Company

ACCEPTED
with COMMENTS
in EPA Label Book

JAN 19 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act no amount of this pesticide is registered under EPA Reg. No. 241-374

02/15/00

4/9

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (and DOMESTIC ANIMALS)

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapor, spray or mist. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and others handlers must wear:

- 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.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife.

DO NOT apply directly to water or to areas where surface water is present. Avoid spraying ponds or aquaria containing fish. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

This product is toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DO NOT contaminate water when disposing of equipment washwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system. 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.

AGRICULTURAL USE REQUIREMENTS

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), 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.

PPE required for early entry into treated areas is that permitted under the Worker Protection Standard 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, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC) or Viton (≥ 14 mils).
- Shoes plus socks.

STORAGE AND DISPOSAL

PROHIBITIONS:

DO NOT store below 32°F.

DO NOT store in direct sunlight or heat.

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

PESTICIDE STORAGE:

Keep out of reach of children and animals.

Store in original container in a cool, dry place. Replace lid and keep tightly closed after opening.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by State and local authorities by burning. If burned, stay out of smoke.

6/9

PYLON miticide-insecticide MODE OF ACTION

PYLON is a member of a new class of miticides-insecticides known as Pyrroles. PYLON has good contact and excellent stomach activity. Its mode of action is novel among the miticide-insecticide classes available today. PYLON uncouples oxidative phosphorylation, preventing conversion of ADP to ATP, and the mite or insect dies from the inability to generate its own energy.

MIXING INSTRUCTIONS

Shake container prior to use. Use a calibrated measuring device to measure the required amount of PYLON. Dilute PYLON in sufficient water to give thorough spray coverage of ornamental crop. Add product to clean water in partially filled spray tank while agitating. Fill the tank with remainder of the water and continue agitation. If tank mixes are used, PYLON must be fully dispersed in water first, followed by the addition of the tank-mixed materials.

APPLICATION INSTRUCTIONS

- PYLON may be used on non-edible ornamental plants. } DO NOT APPLY to vegetable transplants grown in the greenhouse.
- Apply specified dosage using sufficient water to obtain uniform and complete coverage of foliage.
- PYLON is not ovicidal. PYLON should be used in combination with a registered ovicidal miticide when moderate to high populations of eggs are present at time of application.
- When mite populations are high in several areas of the greenhouse or throughout several crops within one greenhouse structure apply PYLON at 5.2 fl oz/100 gals (0.08 lb ai/A) and make a sequential application at 5 - 7 days after the first application. PYLON is not systemic and does not translocate throughout the plant. However, PYLON has excellent translaminar mobility in the leaf - moves rapidly from the top to the underside of a leaf - to control spider mites, larvae and nymphs emerging from eggs. PYLON will be diluted in rapidly expanding, new foliage as compared to the concentration in the leaf surface at the time of application. For this reason, it is important to make two consecutive applications of PYLON within 7 days when under severe mite pressure.
- Low to moderate populations of spider mites can be controlled for 14 - 21 days with one PYLON application at 2.6 - 5.2 fl. oz.
- Make only one sequential application at 5 to 7-day interval when necessary. See section on RESISTANCE MANAGEMENT for additional instructions.

7/9

~~mixture should be tested prior to application.~~

SPECIAL PRECAUTIONS:

To minimize the risk of injury to ornamentals, make applications prior to blooming or avoid blooms where possible. Apply in the coolest times of the day. PYLON has been evaluated for phytotoxicity on a wide range of ornamental plants; however, it has not been possible to evaluate all commercially important species, varieties and cultivars within the species listed below. Local conditions can also influence crop safety and may not match those under which PYLON was tested. All tank mixes should be evaluated for phytotoxicity prior to application due to additive effects of surfactants and wetting agents contained in both formulations.†

No lasting or unacceptable injury has occurred to the following greenhouse ornamental plants when treated with PYLON according to label instructions.

- African daisy
- African violet
- Ageratum
- Alex ivy
- Aster
- Azalea
- Begonia
- California Ivy
- Chrysanthemum
- Cock's comb
- Croton
- Fuschia
- Gardenia
- Gazania
- Geranium
- Gerbera daisy
- Grape Ivy
- Impatiens
- Lily, oriental
- Lisianthus
- Marigold
- Miniature rose
- Needlepoint Ivy
- Pansy
- Petunia
- Ranunculus
- Snapdragon
- Verbena
- Vinca

† This product has been evaluated for phytotoxicity on a wide variety of ornamental plants; however, since all combinations with other pesticides and spray adjuvants have not been tested, evaluate all combinations on a small area to be sprayed before treating large areas. Apply PYLON to a small area (8-12 plants) and evaluate for 3-5 days before attempting a large-scale spray to make certain that no phytotoxicity occurs. ↗

PHYTOTOXICITY IS LIKELY TO OCCUR to some varieties of: carnations, dianthus, kalanchoe, poinsettia, roses, salvia and zinnia and applications to these species will be made at grower risk.

NOT RECOMMENDED: Additions of crop oils and fertilizers or other tank additives have been shown to increase the likelihood of foliage injury and are not recommended with this product.

APPLICATION RATES¹

Greenhouse Ornamentals (non-food plants)

PEST	RATE ² (fl. oz./100 gal)	RATE ² (lbs. ai/100 gal)	REMARKS
Spider mites, including: Two-spotted spider mite (<i>Tetranychus urticae</i> and other <i>Tetranychus</i> sp.) Broad mite (<i>Polyphagotarsonemus latus</i>) Citrus budmite (<i>Eriophyes sheldoni</i>) Cyclamen mite (<i>Phytonemus pallidus</i>) Rust mite (<i>Phyllocoptuta</i> sp., and <i>Epirimerus</i> sp., and <i>Aculus</i> sp.)	2.6 - 5.2 ↑	0.04 - 0.08 ↑	Use sufficient spray volume to ensure thorough coverage. Apply when pests first appear, before crop damage occurs.
Worm pests, including: Beet armyworm (<i>Spodoptera exigua</i>) Cabbage looper (<i>Trichoplusia ni</i>) Soybean looper (<i>Pseudoplusia includens</i>).	2.6 - 6.4	0.04 - 0.10	
Fungus gnats (<i>Bradysis</i> sp.)	5.2 - 10	0.08 - 0.16	Apply to early larval stage. Does not control emerged adults.
Thrips, including: Western flower thrips ³ (<i>Frankliniella occidentalis</i>)	10 - 20	0.16 - 0.32	Treat when pests are immature and when populations are building, before crop damage occurs. Thrips concealed in blooms will be difficult to control.

¹ No more than three (3) applications should be applied during a crop growing cycle. DO NOT APPLY more than 41 fl. oz. of product (0.64 lbs. of active ingredient) per treated acre. Refer to the section on RESISTANCE MANAGEMENT for specific application strategies.

² Use higher rate when pest infestation is heavy. May require two (2) applications on a 5 to 7 day spray schedule for control. Refer to the section on RESISTANCE MANAGEMENT below.

³ Combinations with other effective insecticides will enhance overall control.

RESISTANCE MANAGEMENT

Treatment may not be effective if tolerant strains develop. To reduce the potential for developing pest resistance to this product, alternate with insecticides and miticides from different classes of chemicals with different modes of action.

Use one of the following resistance management strategies:

- 1. DO NOT APPLY PYLON more than two (2) times consecutively or a total of three (3) times during a growing cycle (Start to finish for one ornamental crop.)

- and -

- 2. DO NOT APPLY PYLON to consecutive crops in a greenhouse structure.

- or -

- 3. PYLON SHOULD BE applied in combination with other effective miticides/insecticides with a different mode of action when used in a subsequent crop in the same greenhouse structure.

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, 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, or the use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or MERCHANTABILITY.

American Cyanamid Company
Global Agricultural Products Division
Specialty Products Department
Parsippany, NJ 07470 © 2000