

Reg # 3125-184

PM-14 yellow

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

NOV 16 1993

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Miles Inc.  
P.O. Box 4913  
8400 Hawthorn Road  
Kansas City, MO 64120-0013

Attention: Ms. Karen Cain

Subject: Dylox 80% Turf and Ornamental Insecticide  
EPA Registration No. 3125-184  
Your Amended Application of March 24, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Add the following sentence to the end of your WARNING statement on Page 2 of your label:

Wash thoroughly with soap and water after handling and before eating or smoking.

2. Change the 4th sentence in your ENVIRONMENTAL HAZARDS statement (Wetlands Statement) to read:

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

3. We note that you have changed the basic product name to:

Dylox 80% Turf and Ornamental Insecticide

Therefore add a "%" to "80".

4. We note that you have the following as an additional brand name:

Dylox 80% Soluble Powder

This labeling does not bear the required Worker Protection Standard (WPS) statements as outlined in PR Notices 93-7 and 93-11. We note that you have submitted labels in accordance with the instructions in those Notices. The new protective language in those submissions must be incorporated into this label for any



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Printed on paper that contains  
at least 75% recycled fiber

shipments released after the deadlines that have been established. You may opt to do so immediately if you are electing the self-verification option, or after acceptance by the special Agency WPS review group. Finished printed labels should be submitted after acceptance by the WPS group and in accordance with their instructions.

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

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

Sincerely yours,

Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7504C)

- Enclosures: 1. Stamped label
- 2. A-79 Enclosure

Peacock WP#A:3125.184:305-5407,-6600:11/16/93

Reason to Issue: To establish single Section 3 master label.

Date of Draft: (Pre-Reg) 3/5/93(S)

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DYLOX 80 Turf & Ornamental

# DYLOX

## 80 Turf and Ornamental Insecticide

For Control of Insects on Flowers, Shrubs, Trees and Turf  
*SURFACE Spray for Fly Control*

Only for sale to, use, and storage by professional or commercial applicators

FOR MORE EFFECTIVE INSECT CONTROL

ACTIVE INGREDIENT:

Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate ..... ✓ 80%

INERT INGREDIENTS ..... ✓ 20%

100%

EPA Reg. No. 3125-184

EPA Est. 3125-MO-1

Net Weight: \_\_\_ Pounds

**STOP - Read The Label Before Use**

**Keep Out Of The Reach Of Children**

### WARNING ✓

(See Rear Panel for Statements of Practical Treatment and Other Precautionary Statements)

### AVISO ✓

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

NOV 16 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 3125-184



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## RESTRICTIONS

Do not use on crops used for food or forage. Use only according to label directions. ✓

Keep children and pets off treated areas until spray deposit has dried. ✓

## PRECAUTIONARY STATEMENTS ✓

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS ✓

### WARNING ✓

May be fatal if swallowed or inhaled. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some people. ✓

Do not breathe dust. When loading spray tank or handling the powder at any other time, wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health. Do not get in eyes, skin, or on clothing. Wear goggles or safety glasses. Remove contaminated clothing and wash before reuse. ✓

### STATEMENTS OF PRACTICAL TREATMENT ✓

**If swallowed:** Call a physician or Poison Control Center. If medical assistance cannot be given immediately, induce vomiting and get to a hospital. To induce vomiting, administer 1 or 2 glasses of water and stick finger down throat. Repeat until vomitus is clear. Or, if available, administer syrup of ipecac (1/2 oz. or 15 ml.). If vomiting does not occur within 5 to 10 minutes, administer a second dose of ipecac. Do not attempt to give anything by mouth or induce vomiting in an unconscious or convulsing person. ✓

**If inhaled:** ✓ First, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. ✓

**If in eyes:** ✓ Hold eyelids open and flush with plenty of water. Call a physician. ✓

**If on skin:** ✓ Wash with plenty of soap and water. Get medical attention. ✓

#### NOTE TO PHYSICIAN:

**ANTIDOTE** - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. ✓

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, autonomic nervous system, and skeletal muscle. Do not give morphine. Watch for pulmonary edema which may develop in serious cases of poisoning even after 24 to 48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically. ✓

In case of poisoning, it is also requested that Miles Inc., Agriculture Division, Kansas City, Missouri, be notified. Telephone 816-242-2582. ✓

## ENVIRONMENTAL HAZARDS

### PROTECT WILDLIFE II

This pesticide is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Apply the product in strict accordance with label directions. Do not apply when

weather conditions favor drift from areas treated. Do not apply to water or wetlands. Do not apply where runoff is likely to occur. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. ✓

## DIRECTIONS FOR USE

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

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using DYLOX 80 Turf and Ornamental Insecticide.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

**MIXING:** DYLOX 80 Turf and Ornamental Insecticide dissolves readily in water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To dissolve in water, pour the required amount of DYLOX 80 Turf and Ornamental into full amount of water and then agitate. Use immediately after mixing. It is recommended that DYLOX 80 Turf and Ornamental be used in sprayers equipped with 50 mesh screens. If 100 mesh screens are used, some screen clogging may occur. ✓

**DOSAGE:** Use specified dosage of DYLOX 80 Turf and Ornamental Insecticide in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

**SPRAYING:** Complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Extension Service or Experiment Station for specific timing of applications in your area. ✓

**NOTE:** Spray droplets from applications of DYLOX 80 Turf and Ornamental Insecticide may cause spotting of paint finishes on aluminum and steel siding, automobiles, trucks and tractors. Do not allow spray droplets to contact metal painted surfaces. If accidental exposure does occur, the painted surface should be thoroughly washed immediately after exposure. ✓

### USE IN CHEMIGATION SYSTEMS ON TURF ONLY

Apply DYLOX 80 Turf and Ornamental Insecticide through solid set irrigation systems. Do not apply this product through any other type of irrigation system. ✓

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. ✓

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. ✓

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. ✓

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump water stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. ✓

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. ✓

Do not apply when wind speed favors drift beyond the areas intended for treatment. ✓

Crop injury, or lack of effectiveness, can result from non-uniform distribution of treated water. ✓

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. ✓

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. ✓

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. ✓

**For control of white grubs:** Pre-mix the required amount of DYLOX 80 Turf and Ornamental insecticide as determined under "Recommended Applications," in sufficient water to uniformly inject the entire mixture into the irrigation system using a positive pressure pumping

## DIRECTIONS FOR USE (Continued)

system. The injection should be timed so that 1/4 to 1/2 inches of irrigation will be applied after the end of the injection period. Continuous agitation of the mixture in the holding tank is required. ✓

**For control of sod webworms and cutworms:** Pre-mix the required amount of DYLOX 80 Turf and Ornamental Insecticide as determined under "Recommended Applications," in sufficient water to uniformly inject the entire mixture into the irrigation system using a positive pressure pumping system. The injection should be made during the last 5 minutes of the irrigation cycle. Continuous agitation of the mixture in the holding tank is required.

| RECOMMENDED APPLICATIONS                  |   |                               |  |
|---|---|-------------------------------|--|
| CROP                                      | INSECT  | Oz DYLOX 80 Turf & Ornamental | REMARKS  |
| ORNAMENTALS<br>Flowers,<br>Shrubs & Trees | Nantucket pine tip moth<br>Zimmerman pine moth  | 20                            | Mix specified dosage in 100 gallons of water and spray plants until they are thoroughly wet. Repeat as necessary.  |
|   | Armyworms<br>Bagworms<br>Climbing cutworms<br>Dipterous leaf miners<br>Lygus bugs<br>Stink bugs<br>Tarnished plant bug<br>Tobacco budworm<br>Webworms | 20 to 30                      | <b>CAUTION:</b> Phytotoxicity has occurred on certain varieties of carnations and zinnias. When large plantings of these flowers are to be sprayed for the first time, treat only a few plants and observe for 4 to 5 days before spraying the entire planting. Injury from spray droplets may occur on leaves of certain trees.   |
| Narcissus                                 | Narcissus bulb fly  | 20                            | Apply specified dosage in 100 gallons of water as a drench per 1,000 feet of row. Direct stream to base of plants at beginning of adult fly activity (early May to June). Repeat treatments annually.  |
| Lawns & Turf                              | Cutworms<br>Sod webworms<br>(lawn moths)  | 2-1/2<br>to<br>3-3/4          | Mix specified dosage (approximately 1/3 to 1/2 cupful) of DYLOX 80 Turf & Ornamental Insecticide in 15 to 30 gallons of water and apply uniformly to 1,000 sq ft of lawn or turf area by means of a watering can, compressed air sprayer, any commercial power sprayer, or through sprinkler irrigation systems. (See chemigation directions). For best results, mow the lawn and rake dead grass from damaged spots. Water the lawn and allow grass to dry before spraying. For sod webworm and cutworm control do not irrigate following application. Three applications at monthly intervals may be required for maximum control. In most areas, the first of these applications should be made in May or June. |

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**DIRECTIONS FOR USE (Continued)**

| RECOMMENDED APPLICATIONS      |             |                                  |  |
|-------------------------------|-------------|----------------------------------|--|
| CROP                          | INSECT      | Oz DYLOX 80<br>Turf & Ornamental | REMARKS  |
| Lawns and Turf<br>(Continued) | White grubs | 3-3/4                            | For white grub control, thoroughly irrigate following application. Consult your State Agricultural Experiment Station or State Extension Service Specialists for more specific information regarding timing of applications. Do not use DYLOX 80 Turf and Ornamental Insecticide in hose proportioned sprayers. <b>NOTE: Do not use treated area or clippings from treated areas for feed or forage.</b> |

**SURFACE SPRAY FOR FLY CONTROL**

*For fly control in and around farm buildings: Mix 5 pounds of DYLOX 80 in 40 gallons of water (equivalent to 5 level tablespoonfuls per gallon). Thoroughly wet all areas to be treated by spraying 1 gallon per 500 square feet of surface area or to the point of run-off. Apply to floors, walls, ceiling, around windows, doors, and other areas where flies congregate. Also spray stock pens (after removal of animals), garbage areas, and other locations where refuse has collected. Repeat applications every 1 to 2 weeks or as fly populations increase. For longer residual control, add 1 pound of sugar to each gallon of spray solution.*

**RESTRICTIONS (SURFACE SPRAY)**

*Remove animals before spraying barn. Allow spray to dry before re-stocking facility. Do not treat areas such as drinking cups, mangers, or troughs where livestock feed. Direct application to walls, floors, or other surfaces previously treated with lime, whitewash, or other alkaline materials may be ineffective. Do not contaminate water, feedstuffs, feed handling equipment, or milk handling equipment.*

**STORAGE AND DISPOSAL**

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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 Disposal:** Do not use container in connection with food, feed, or drinking water. Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. ✓

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. ✓

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures, or, any other assistance that may be necessary. The Miles Kansas City Emergency Response Telephone Number is 816-242-2582, or contact Chemtrec at 800-424-9300.

Miles Inc.  
Specialty Products  
Box 4913, Kansas City, MO 64120-0013

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