

432-1326

11/30/2009

S 860739  
300 / 1185  
1 of 7

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



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

NOV 30 2009

Dr. Norma C. Pangilinan  
Registrations Manager  
Bayer Environmental Science SA  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Dear Dr. Pangilinan:

Subject: Dylox® 80 SP Nursery Insecticide  
EPA Registration Number 432-1326  
Submission dated August 27, 2009

The proposed amended label submitted in response to our letter of August 5, 2009, is accepted under the provisions of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, with the stipulation that the changes listed below must be made to that label.

1. In the first phrase of promotional claims presented on page 1 under the name of the product, change "**For control of soil insects**" to "**For control of listed soil insects**".
2. In the second phrase of promotional claims under the name of the product, change "**For Control of insects**" to "**For control of listed insects**".
3. Add the common name (Trichlorfon) to the line for the active ingredient in the statement of ingredients.
4. In second sentence of the first paragraph under "**RESTRICTIONS:**" (on page 3), change "**APPLICATION**" to "**APPLICATIONS**".
5. Change the sixth and seventh paragraphs under "**RESTRICTIONS:**" to read as shown below.

For applications to landscape ornamentals or to recreational lawns and turf, limit the number of applications to 3 per calendar year with minimum re-treatment intervals of 7 days.

Limit applications to 24.5 lbs of active ingredient per acre per year for controlling mole crickets and grubs and to 16.2 lbs of active ingredient per acre per year for controlling surface-feeding insects.

2017

6. In the first line of parenthetical text under "White grubs" in the "INSECT" column of the "APPLICATIONS" table (on page 4), change "such as larvae" to "larvae".
7. In the second sentence of the second two-columns-wide paragraph ("For white grub ... thatch") of text in the "APPLICATIONS" table, change "For best results, ensure" to "Ensure". In the last sentence of the same paragraph, change "For optimum control, if rainfall" to "If rainfall" and "the thatch" to "the remaining thatch".

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

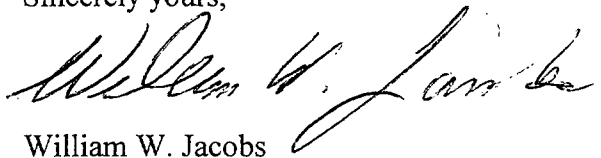
Submit two copies of final printed labeling before releasing this product for shipment under the labeling accepted via this letter.

The data requirements identified in Ms. Kylie Rothwell's letter of March 11, 2009, remain applicable.

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6(e).

If you have any questions regarding this letter, you may reach me by phone at 703-305-6406, by FAX at 703-308-0029, or via e-mail at [jacobs.bill@epa.gov](mailto:jacobs.bill@epa.gov).

Sincerely yours,



William W. Jacobs  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

3087



Bayer Environmental Science

# Dylox<sup>®</sup> 80 SP Nursery Insecticide

Effective insect control.

For control of soil insects that attack ornamentals, or turf in ornamental nursery production.

For Control of Insects on Flowers, Shrubs and Trees

**ACTIVE INGREDIENT:**

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

**INERT INGREDIENTS:** ..... 20%

100%

EPA Reg. No. 432-1326

EPA Est. No. \_\_\_\_\_

Net Contents: 5 lbs

**STOP - Read the label before use.  
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.)

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-800-331-2867

### FIRST AID

Contains an organophosphate that inhibits cholinesterase.

**If swallowed**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

**If in eyes**

- Hold eye 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.

**If inhaled**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

**If on skin**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

In case of emergency call toll free the Bayer Environmental Science Emergency Response Telephone No. 800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note To Physician:** Prolonged exposure will cause cholinesterase depression. Symptoms of poisoning: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea. Atropine Sulfate is antidotal. 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.

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
NOV 30 2009

Under the Federal Insecticide, Fungicide and Rodenticide Act, As amended, for the pesticide Registered under EPA Reg. No:

432-1326

407

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.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are natural rubber, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinylchloride (PVC) or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

**Mixers, loaders applicators, and other handlers must wear:**

- Long-sleeved shirt and long pants, shoes plus socks.

In addition to the above, all mixers and loaders plus applicators using hand-held equipment must wear chemical-resistant gloves. All mixers and loaders supporting ground boom applications to golf courses and ornamental lawns must wear a non-powered air purifying respirator with any N, R, P, or HE filter.

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.

**Engineering controls statements:**

- When handlers use closed systems or enclosed cabs, in a manner that meets the requirements listed in 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.

**USER SAFETY RECOMMENDATIONS**

**User 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 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 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.

For terrestrial uses, do not apply directly to water. Do not contaminate water by cleaning of equipment or disposing waste.

**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 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.

Exception: if the product is applied by direct spray to base of plant, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas without restriction if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is 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 made of any waterproof material
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** 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 is 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 below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577, or contact Chemtrec at 800-424-9300.

**Pesticide 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:** Non-refillable container. Do not reuse or refill this container. Do not use container in connection with food, feed, or drinking water. Completely empty carton into application equipment. Offer for recycling, if available or 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.

### RESTRICTIONS

Use this product only as directed by its label. Do not apply this product to sites not listed in the APPLICATION table.

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.

Aerial application is prohibited.

Do not apply to crops used for food or forage.

Do not make foliar applications to trees, shrubs, bushes, or flowers. Ornamental plants may be treated only by applying spray to the soil at the base of the plant.

For applications to landscape ornamentals or to recreational lawns and turf, limit application to 3 per calendar year with minimum retreatment interval of 7-days.

Limit applications to 24.51 lbs of ai/A per year for controlling grubs and mole crickets and 16.2 lbs of ai/A per year for controlling surface feeding insects.

### SPRAY DRIFT MANAGEMENT:

Do not allow spray to drift from the application site and contact people or structures that people occupy at any time. Do not allow spray to contact property associated with structures that people occupy or parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals. Do not apply under circumstances where drift is possible to unprotected persons, or to food, forage, or crops intended for sale, use, or consumption.

For ground boom applications, apply with nozzle height more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site, as measured by an anemometer. Use coarse or coarser spray according to ASABE S-572 definition for standard nozzles or VMD for spinning atomizer nozzles.

6097

The applicator must employ all other measures necessary to control drift.

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

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

APPLICATIONS		
CROP	INSECT	Application rate in oz DYLOX 80 SP Nursery Insecticide per 100 gal spray solution
Soil or turf in horticultural nursery production areas	Cutworms Armyworms Webworms, incl. sod webworm	Cranberry girdler Chinch bugs  (109 - 163 oz per acre)
	Annual bluegrass weevil larvae	2 4/5 to 3 3/4 per 1000 sq ft  (123 - 163 oz per acre)
	Annual bluegrass weevil (adults) Mole crickets	3 3/4 per 1000 sq ft
	White grubs (such as larvae of Asiatic garden beetle, black turfgrass atenioides, European chafer, green June beetle, Japanese beetle, <i>Aphodius</i> spp., May or June beetles ( <i>Phyllophaga</i> spp.), northern & southern masked chafers, sugarcane grub ( <i>Tomarus</i> spp.), and Oriental beetle)	(163 oz per acre)
<p>Mix specified dosage of DYLOX 80 SP Nursery Insecticide in sufficient water to provide adequate distribution during application to lawn, turf or groundcover area. To ensure that the active ingredient reaches the soil surface, apply with a minimum of 2 gal of water per 1000 sq ft.</p> <p>For white grub, mole cricket, and annual bluegrass weevil control, thoroughly irrigate following application, to moisten the top inch of the soil. For best results, ensure that there is no more than 1/2 in of thatch present at time of application. Under dry conditions, where thatch is present, prewatering is recommended prior to application for control of white grub and weevil larvae. For optimum control, if rainfall does not occur within 24 hours after application, irrigate to move the active ingredient through the thatch.</p> <p>If applied to newly-mowed <i>Poa annua</i> irrigate as soon as possible after application, particularly under conditions of high temperature and humidity.</p> <p>For control of webworms, cranberry girdlers, armyworms, and cutworms, it is not necessary to irrigate following application. If the turf is being maintained at a mowing height of greater than 1 inch, then the higher application rate (3 3/4 oz per 1000 sq ft) may be needed during periods of high pest pressure.</p> <p>Do not use DYLOX 80 SP Nursery Insecticide in hose-proportioned sprayers.</p> <p><b>Note:</b> Do not use treated area or clippings from treated areas for feed or forage.</p> <p>For ornamentals, apply to soil around the plant.</p>		
Narcissus	Narcissus bulb fly	20
Apply specified dosage in <b>100 gallons of water as a drench per 1,000 feet of row</b> . Direct stream to base of plants at beginning of adult fly activity (early May to June). Repeat treatments annually.		

7097

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** 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 OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

PRODUCED FOR



**Bayer Environmental Science**

A Business Group of Bayer CropScience LP  
2 T. W. Alexander Drive  
Research Triangle Park, NC 27709  
1-800-331-2867

Dylox 80 SP Nursery (PENDING) 05/11/09, Resubmitted 08/26/09