

432-1289

11/30/2009

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



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

NOV 30 2009

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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 Turf and Ornamental
EPA Registration Number 432-1289
Submission dated August 27, 2009

The proposed amended label submitted in response to our letter of August 5, 2009, regarding this product is accepted under the provisions of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, with the further 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 insects**" to "**For control of listed insects**".
2. In the second sentence of the fourth paragraph of "**Personal Protective Equipment (PPE)**" ("**Follow manufacturer's instructions for ... laundry**"), change "**If there are no such instructions for washables exist**" to "**If there are no such instructions for washables**" or "**If no such instructions for washables exist**".
3. In second sentence of the first bulleted item under "**RESTRICTIONS:**" (on page 2), change "**APPLICATION**" to "**APPLICATIONS**".
4. Change the eighth and ninth bulleted items under "**RESTRICTIONS**" to read as shown below.
 - For applications to turf, limit applications to 3 per calendar year with minimum retreatment 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.

- 5. Change the heading for the third column of the "APPLICATIONS" table from "oz DYLOX 80 Turf & Ornamental Insecticide per 100 gal spray solution" to "Application Rate in oz DYLOX 80 Turf & Ornamental Insecticide per 100 gal spray solution".
- 6. 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.

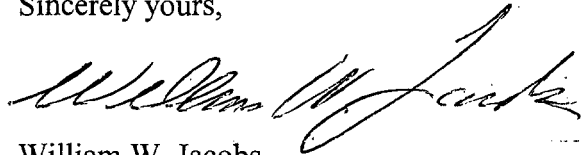
Submit two copies of final printed labeling before releasing this product for shipment under the labeling accepted via this letter.

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.

Sincerely yours,



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

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Dylox[®] 80 Turf and Ornamental Insecticide

For control of insects on landscape flowers, shrubs and trees and landscape and recreational turf.

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

| | |
|--|------|
| ACTIVE INGREDIENT: | |
| Trichlorfon, Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate | 80% |
| INERT INGREDIENTS: | |
| | 20% |
| | 100% |

EPA Reg. No. 432-1289 EPA Est. No. _____

Net Contents: 5 lbs

**STOP - Read the label before use.
Keep Out of Reach of Children.**

WARNING

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.)

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 | |
|----------------------|--|
| IF SWALLOWED: | <ul style="list-style-type: none"> • 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 do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| IF INHALED: | <ul style="list-style-type: none"> • 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 IN EYES: | <ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice. |
| IF ON SKIN: | <ul style="list-style-type: none"> • 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: 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 Bayer Environmental Science be notified. Telephone 1-800-331-2867.

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:
432-1289

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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. Wash thoroughly with soap and water after handling, and before eating or smoking. Removed contaminated clothing and wash before reuse.

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 there are no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control 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

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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. For terrestrial uses, do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

For Golf Course Use: Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries. Post-application watering-in is required.

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 regulations.

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and 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 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 Environmental Science 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 1-800-424-9300.

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 allow people or pets to enter treated area until sprays have dried.
- **Aerial application is prohibited.**
- **Do not apply this product through any type of chemigation system.**
- Do not apply this product to crops used for food or forage.
- Do not use this product on turf being grown for sale or other commercial use as sod. Do not use this product on turf being grown for commercial seed production or for research purposes.
- 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 turf, limit application to 3 per calendar year with minimum 7-day re-treatment interval.
- Limit application to 24.5 lbs or ai/A per year for controlling grubs and mole crickets and 16.2 lbs of ai/A per year for controlling surface feeding insects.

Additional Restrictions for Golf Courses:

- Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries.
- Post-application watering-in is mandatory.
- Broadcast use on turf is limited to tees and greens. Use on fairways is limited to spot treatment.

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.

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

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.

This product may be used on plants grown for aesthetic purposes or climate modification in interior landscapes, ornamental gardens or parks, or on golf courses, or lawns or grounds.

MIXING: DYLOX 80 Turf and Ornamental Insecticide is a soluble powder which dissolves readily in water and is suitable for use in all power-operated ground 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.

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| APPLICATIONS | | |
|---|---|--|
| CROP | INSECT | oz DYLOX 80 Turf & Ornamental Insecticide per 100 gal spray solution |
| Landscape Ornamentals (including flowers, shrubs, and trees) and Recreational Lawns & Turf | Cutworms Armyworms Webworms, incl. sod webworm | Cranberry girdler Chinch bugs |
| | Annual bluegrass weevil larvae | |
| | Annual bluegrass weevil (adults) Mole crickets | |
| | White grubs (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 (<i>Cyclocephala</i> spp.), sugarcane grub (<i>Tomarus</i> spp.), and Oriental beetle) | |
| <p>Mix specified dosage of DYLOX 80 Turf & Ornamental 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 Turf & Ornamental Insecticide in hose-proportioned sprayers.</p> <p>Note: 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 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. | | |

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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, because of manner of use and other factors beyond Bayer CropScience LP's control it is impossible for Bayer CropScience LP to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. 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 CONSISTANT 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
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Research Triangle Park, NC 27709
1-800-331-2867**

Dylox 80 Turf and Ornamental (PENDING) 05/04/09, Resubmitted 08/26/09