

432-1464

04/23/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

432-1464

Date of Issuance:

APR 23 2007

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

**Dylox 420 SL Turf and  
Ornamentals Insecticide**

Bayer CropScience  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

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 conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA Sec.3(c)(5) when the Agency requires all registrants of similar products to submit such data and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Submit one year Storage Stability and corrosion characteristics data (830.6317 and 830. 6320) within 18 months from the date of this registration.
4. Make the following changes to the label:
  - a. **Revise the EPA Registration Number to read, "EPA Reg. No. 432-1464".**
  - b. Replace Tichlorfon with Trichlorfon for the Active Ingredient (Typographical error).
  - c. For acute toxicity category III revise and add "Harmful if swallowed or absorbed through the skin" and wash thoroughly with soap and water after handling and before eating...." statements. Also add "Remove and wash contaminated clothing before reuse"
  - d. Add to the PPE "Chemical resistant gloves" per IRED and toxicology review of your product.
  - e. Add "To the extent allowed by law" before "Bayer..... makes no other warranties.."

Signature of Approving Official:

Akiva Abramovitch, Ph. D.  
Chemist  
Insecticides-Rodenticides Branch

Date:

APR 23 2007

# Dylox 420 SL Turf and Ornamental Insecticide

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

For use on golf course and residential turf

For Control of White Grubs, Mole Crickets, Sod Webworms, Cutworms and Other Pests of Turfgrass  
Controls damaging insects above and below the soil surface.

**ACCEPTED**

**ACTIVE INGREDIENT:**

**with COMMENTS**

\*Tichlorfon..... **In EPA Letter Dated:**..... 37.3%

**OTHER INGREDIENT**..... **APR 23 2007**..... **62.7%**

**TOTAL**..... **Under the Federal Insecticide, Fungicide, and Rodenticide Act,**..... **100.0%**

\*420 g trichlorfon/liter of formulated product

**as amended, for the pesticide registered under EPA Reg. No. 432-XXX EPA Est. No. 432-1464**

**EPA Reg. No. 432-XXX**

**STOP - READ THE LABEL BEFORE USE.  
KEEP OUT OF REACH OF CHILDREN.  
CAUTION**

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

For **PRODUCT USE** information Call 1-800-334-9745

### FIRST AID

Contains an organophosphate that inhibits cholinesterase.

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

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. Atropine Sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Causes moderate eye irritation. Do not take internally. Avoid contact with eyes, skin or clothing. Do not get in eyes or on clothing.

**Personal Protective Equipment (PPE):**

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

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

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 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**

- 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.

**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 directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when turf grass areas are waterlogged or the soil is saturated with water (i.e. will not irrigate). Avoid run-off or puddling of irrigation water following application. Do not apply when weather conditions favor drift from areas treated. Do not apply when average wind speeds are greater than 15 mph. Apply product using spray nozzles which product a coarse droplet size, such as flood jet nozzles or lawn care gun.

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.

**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, begin immediate measure to contain the liquid by use of a spill kit or absorbent clay carrier and carefully sweep material into a pile preventing runoff into drains or waterways.

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 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:** Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE**

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

**NOTE:** Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

**MIXING:** DYLOX 420 SL Turf and Ornamental Insecticide is a soluble concentrate which dissolves readily in water and is suitable for use in all power-operated ground sprayers.

**DOSAGE:** Use specified dosage of DYLOX 420 SL Turf and Ornamental Insecticide in the amount of water necessary to give complete coverage of soil or turf. The type of equipment used will determine the concentration required.

**NOTE:** Spray droplets from applications of DYLOX 420 SL 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.

**Watering-in is required for all applications to turfgrass, with the exception of applications that are made to control Lepidoptera.**

**Do not apply within 25 feet of lakes, reservoirs, rivers, streams, marshes, natural ponds, or estuaries.**

**Do not apply this product through any type of chemigation system.**

RECOMMENDED APPLICATIONS		
CROP	INSECT	fl oz DYLOX 420 SL Turf & Ornamental per 100 gal spray solution
Landscape Ornamentals (such as 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 (such as larvae of Asiatic garden beetle, black turfgrass ataenius, 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)	
<p>Mix specified dosage of DYLOX 420 SL Turf &amp; Ornamental Insecticide in sufficient water to provide adequate distribution during application to lawn, turf or groundcover area.</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.</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 girdler, armyworm, and cutworm, 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 (6.9 fl oz per 1000 sq ft) may be required during periods of high pest pressure.</p> <p>Do not use DYLOX 420 SL Turf and Ornamental 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>		
Narcissus	Narcissus bulb fly	37
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.		

**RESTRICTIONS**

- 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.
- Do not use on plants used for food or forage. Use only according to label directions. Do not allow people or pets to enter treated area (except people involved in the watering-in) until the watering-in is complete and the surface is dry.
- Aerial application is prohibited.
- Do not apply more than one application in any 7 day period.
- Do not apply more than 24.5 lbs ai/A per year for grubs and mole crickets and 16.2 lbs ai/A per year for 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, except for control of Lepidoptera.
- Broadcast use is limited to tees and greens. Use on fairways is limited to spot treatment where pests are seen or found.

**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 should 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:** 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. 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 ALLOWED BY 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**

Dylox 420 SL Turf & Ornamental (PENDING) 08/31/06, Resubmitted 09/29/06