

APR 30 1996

Mr. Willard F. Cummings  
Uniroyal Chemical Co., Inc.  
74 Amity Rd.  
Bethany, CT 06524-3402

Dear Mr. Cummings:

Subject: Acute Toxicology Studies  
Terraclor Super X with Di-Syston  
EPA Reg. No. 400-408  
Your submission dated July 17, 1995.

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable since you:

- 1. Submitted and/or cited all data or other material required for registration/re-registration of your product under FIFRA sec. 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
- 2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

Robert J. Taylor  
Product Manager 25  
Fungicide-Herbicide Branch  
CONCURRENCES  
Registration Division (H7505C)

SYMBOL							
SURNAME	Enclosure						
DATE							

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**RESTRICTED USE PESTICIDE**  
Due to Acute Human Oral Toxicity,  
retail sale to and use only by certified applicators, or  
persons under their direct supervision, and only for those  
uses covered by the certified applicator's certification.

**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated

APR 30 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
400-408

# TERRACLOR SUPER X<sup>®</sup> with Di-Syston<sup>®</sup>

GRANULAR SOIL FUNGICIDE  
Systemic Organophosphate Insecticide

Terraclor Super X with Di-Syston  
contains three active ingredients,  
Terraclor<sup>®</sup>, Terrazole<sup>®</sup>, and Di-Syston<sup>®</sup>

Net contents:

**COMPOSITION**

Active Ingredients: (% by weight)	
Pentachloronitrobenzene (PCNB) .....	6.50%
5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole .....	1.63%
Disulfoton O,O-Diethyl S-[2-(ethylthio) ethyl] phosphorodithioate)* .....	6.50%
Inert Ingredients: .....	85.37%
Total: .....	100.00%

\*U.S. Patent No. 2,759,010.

**KEEP OUT OF REACH OF CHILDREN**



**POISON  
DANGER — PELIGRO**



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

**THIS PRODUCT CONTAINS AN ORGANOPHOSPHATE INSECTICIDE. RAPIDLY ABSORBED THROUGH SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DISULFOTON POISONING.**

**ATROPINE AND 2-PAM ARE ANTIDOTES FOR DI-SYSTON. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting. Drink one or two glasses of water and induce vomiting by giving one dose (1/2 oz. or 15 ml) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secure immediately.

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

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

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

**NOTE TO PHYSICIAN:** Warning symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.

**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, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically. Repeated exposure to cholinesterase inhibitors may, without warning, cause increasing susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until cholinesterase regeneration has taken place as determined by blood tests.



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

Fatal if swallowed. May be fatal if absorbed through skin. Causes moderate eye irritation. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust.

**PERSONAL PROTECTIVE EQUIPMENT**

**Applicators and Other Handlers Must Wear:** Coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing, or loading. For exposures in enclosed areas: A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). For exposures outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs or aircraft 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 by WPS.

**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, aquatic organisms and wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and run-off from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Cover or incorporate spills. This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

**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 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) notification to workers, and restricted-entry intervals. 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 48 hours. The REI is 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area 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 over short-sleeved shirt and short pants
- waterproof gloves
- chemical-resistant footwear plus socks
- protective eyewear
- chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**COTTON**

For control of Seedling Disease Complex - Rhizoctonia, Pythium and Fusarium and for early season control of thrips, aphids and mites.

Apply as a soil in-furrow application at planting time with a granular pesticide applicator properly calibrated to assure accurate placement and proper dosage.

The higher use rate should be used under the following conditions:

1. fields have heavy disease inoculum history
2. soils are cold or wet
3. no or low till programs are utilized

Application Method	Rate of Formulation	
	Lbs./drill row per acre	Lbs./1300 linear feet of row based on 40 inch spacing
DRILL PLANTING	12 to 15	1.2 to 1.5
HILL-DROP PLANTING	4 to 5	0.4 to 0.5

Soil temperature, moisture and tilth should be favorable for good germination and emergence. Systemic insecticides can possibly damage seed germination when placed on or very near the seed, however, the addition of a fungicide such as Terraclor Super X, considerably lessens this hazard.

**USE PRECAUTIONS**

Do not allow the feeding or grazing of cotton foliage by livestock.

Apply only at planting time. Do not exceed 2 lbs. of PCNB active ingredient per acre in any one season applied as spray or granular formulations.

Do not plant root crops in treated fields within 12 months of application.

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### STORAGE AND DISPOSAL

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

**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 above. In spill or leakage 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 No. is 816-242-2582, 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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**IMPORTANT NOTICE**—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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