

400-411

7-29-2003

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUL 29 2003

Betsy K. Katzman
Registration Specialist
Crompton Corporation
74 Amity Road
Bethany, CT 06524-3402

Subject: Terraclor® 6.5% plus Di-Syston® 6.5%
EPA Reg. No. 400-411
Your amendment dated July 10, 2003

Dear Ms Katzman:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

PRECAUTIONARY STATEMENTS/PERSONAL PROTECTIVE EQUIPMENT: In the first line, change "waterproof gloves" to "chemical resistant gloves made of any waterproof material"

AGRICULTURAL USE REQUIREMENTS: In the list of PPE near the bottom of the box, change "waterproof gloves" to "chemical resistant gloves made of any waterproof material"

A copy of the label stamped "Accepted with comments" is enclosed for your records. This label supercedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates these required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosure

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Restricted Use Pesticide. Due to acute human, oral, dermal and inhalation toxicity. For 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.

Terraclor® 6.5% plus Di-Syston® 6.5%

**Granular Soil Fungicide
Systemic Organophosphate Insecticide
For Cotton**

**Net
Contents:**

Active Ingredients: (% by weight)	
Pentachloronitrobenzene (PCNB)	6.5%
Disulfoton: O,O-Diethyl S-[2-(ethylthio) ethyl] phosphorodithioate*	6.5%
Inert Ingredients:	87.0%
Total:	100.0%

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 the label, find someone to explain it to you in detail.)

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH SKIN. THIS PRODUCT CONTAINS AN ORGANOPHOSPHATE INSECTICIDE. 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

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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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 OR ON CLOTHING: 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.

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 eye. Call a poison control center or doctor for treatment advice.

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

CROMPTON EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

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 but only 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, 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.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

EPA REG. NO. 400-411

EPA EST NO.

009CM

Crompton Manufacturing Company, Inc.
Middlebury, CT 06749

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COTTON

For control of damping-off (*Rhizoctonia solani*) and early season control of thrips, aphids and mites, apply at planting time as a soil in-furrow application, near seeds and over covering soil while using a suitable applicator properly calibrated to assure accurate placement and proper dosage levels.

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

1. fields have a 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
	In California:	
	15	1.5
HILL-DROP PLANTING	4 to 5	0.4 to 0.5
	In California:	
	5	0.5

Soil temperature, moisture and till should be favorable for good germination and emergence. Systemic insecticides, however, can possibly damage seed germination or stunting of seedlings under adverse conditions such as extremely cool or wet, or extremely dry weather. Such damage may be more pronounced in light, sandy soils or when used in conjunction with certain pre-emergence herbicides.

USE PRECAUTIONS

- 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 PCNB treated fields within 12 months of broadcast and banding applications unless PCNB is registered for use on those crops.
- Do not feed treated forage to livestock.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL 29 2003**

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

400-
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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a dry location.

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, expressed 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.

- *TERRACLOR is a Registered Trademark of Crompton Corporation
- *DI-SYSTON is a Registered Trademark of Bayer AG, Germany

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
DANGER**

Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Do Not Breathe Dust. Do Not Get In Eyes, On Skin, Or Clothing.

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 and chemical-resistant apron when cleaning equipment, mixing, or loading. For exposures in enclosed areas: A respirator with 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), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter. For exposures outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

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 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 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.