UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Desirée L. Little, Ph.D.
Product Registrations Manager
U. S. Plant Regulatory Affairs
American Cyanamid Company
Agricultural Research Division
P. O. Box 400
Princeton, N. J. 08543-0400

FEB 10 1995

Dear Dr. Little:

Subject: EPA Reg. No. 241-355
Funginex (Triforine)
Amendment of label for Greenhouse Non-food Registration
Correspondence Dated January 10, 1995

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

1. Submit and/or cite all data required for registration or reregistration of your product under FIFRA sec. 3(c)(5) and sec. 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Should you have any questions or concerns, please call Kathryn Scanlon on (703) 305-7382.

Sincerely yours,

Jim Tompkins
Acting Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (7505C)

7505C:K.Scanlon:ks:02/09/95:TRIFORINE.LTR

CONCURRENCES

SYMBOL ▸	7505C							
SURNAME ▸	K. Scanlon							
DATE ▸	Feb 9, 1995							

EPA Form 1320-1 (12-70) OFFICIAL FILE COPY

FUNGINEX® fungicide

ACCEPTED
with COMMENTS
In EPA Letter Dated

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No 241-355

One Gallon
U. S. Standard Measure

ACTIVE INGREDIENT:

Triforine: (N,N'-[1,4-piperazinediyl-bis (2,2,2-trichloroethylidene)]-bis-[formamide])	18.2%
Inert Ingredients	81.8%
Total:	100.0%

EPA Reg. No. 241-355

EPA Est. No.

Chemigation:
Refer to section entitled Chemigation in booklet for chemigation use directions. Do not apply this product through any irrigation system unless the directions for chemigation are followed.

KEEP OUT OF REACH OF CHILDREN
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.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water for 15 minutes and get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove patient from contaminated area and get medical attention. If not breathing, give artificial respiration, preferably mouth to mouth.

IF ON SKIN: Wash skin with soap and water and get medical attention.

AMERICAN CYANAMID COMPANY
AGRICULTURAL PRODUCTS DIVISION
SPECIALTY PRODUCTS DEPARTMENT
WAYNE, NJ 07470

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

DANGER!

Corrosive, causes irreversible eye damage. Do not get in eyes or on skin or clothing. Harmful if swallowed, inhaled, or absorbed through skin.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves, such as barrier laminate or butyl rubber ≥ 14 mil
- shoes plus socks
- protective eyewear
- chemical-resistant headgear for overhead exposure

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/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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

Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on this label.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. FOR USE AS A FUNGICIDE IN GREENHOUSES OR GLASSHOUSES FOR THE CONTROL OF CERTAIN IMPORTANT PLANT DISEASES.

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), notification to workers, 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.

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 such as barrier laminate or butyl rubber ≥ 14 mil
- shoes plus socks
- protective eyewear
- chemical-resistant headgear for overhead exposure

PHYSICAL AND CHEMICAL HAZARDS
STORAGE AND DISPOSAL
PESTICIDE STORAGE

Do not store below 32°F (0°C).

Do not use or store near heat, open flame or hot surfaces.

Keep our of reach of children or animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact. Isolate area and keep out animals and unprotected persons. Confine spill by diking surrounding area or absorbing with sand, cat litter or commercial clay. Place damaged package in a holding container. Identify products.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In the event of a major spill, fire, or other emergency, call _____ day or night.

USE PRECAUTIONS

As timing of fungicide applications for disease control vary due to climatic and other conditions, consult agricultural experiment station or state extension service specialist.

Do not use this material if it cannot be applied according to the use pattern on this label

Do not mix FUNGINEX with wetting agents, spreader-stickers or other adjuvants.

Do not let spray mixture stand in tank overnight.

DISCLAIMER AND USE DIRECTIONS

IMPORTANT: Read the Disclaimer and the entire Use directions before using this product. If the terms are not acceptable, return the unopened product container at once.

Disclaimer

The label instructions for the use of this product reflect the opinion of experts based on research and field use. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently 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 use of, or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company shall not be responsible for losses or damages resulting from the use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. **CYANAMID DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF FUNGINEX. In no case shall Cyanamid or the seller be liable for consequential, special or indirect damages resulting from the use of handling of the product.

Use directions

ASTERS: Aster Rust; OXALIS, POTENTILLIA: Rust; AZALEA, BEGONIA, DELPHINIUM, KALANCHOE, PLANTETREE, CALENDULA, CRAPEMYRTLE, DAHLIA, EUONYMUS, JERUSALEM THORN, LILAC, PHLOX, PHOTINIA, SNAPDRAGONS, ZINNIAS: Powdery Mildew; CARNATIONS: Carnation Rust; PHOTINIA: Entomosporium Leaf Spot; POPLARS: Poplar Leaf Rust; ROSES: Blackspot, Powdery Mildew, Rust - Apply 12 to 18 fl. oz. per 100 gallons of water when disease first appears. Repeat every 7 to 10 days as necessary to maintain control. For curative activity, initiate spray program immediately after observing first symptoms. For protective activity initiate spray program prior to disease development. "or" Use the higher rate and shorter spray interval if disease is severe. Spray to cover all plant surfaces.

Chemigation

Crop injury or lack of effectiveness can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

When mixing with other pesticides or fluid fertilizers agitation is recommended for mixing.

Posting of the areas to be chemigated is required when (1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or (2) when the chemigated areas are open to the public such as golf courses or retail greenhouses. This sign is in addition to any sign posted to comply with the Worker Protection Standard.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2½ inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain at functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be

discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional automatic quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Sprinkler Irrigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.