

PM14

10182-195
5387978

300
78

10410

APR 23 1991

ICI Americas, Inc.
Agricultural Products Division
Concora Pike and New Murphy Road
Wilmington, DE 19897

Gentlemen:

Subject: Dyfonate-Tillam 1-4E
EPA Registration No. 10182-195
Your Letter Dated December 12, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

- 1. Make the labeling changes listed below before you release the product for shipment bearing the revised labeling:

a. Label Comments

- 1) Add the heading PHYSICAL OR CHEMICAL HAZARDS to the label and the appropriate statement per 40 CFR 156.10(h)(2)(iii).
- 2) Add a footnote to the inert ingredients indicating "Contains xylene-range aromatic solvent."

b. Chemistry Comments

BEST AVAILABLE COPY

The Confidential Statement of Formula (CSF) dated November 7, 1989 is incomplete. Please revise and submit with the following corrections:

- 1) The EPA Registration Number 10182-268 of the technical source of Dyfonate is required (Column 12).

64962:I:Cromwell:L16-13:KEVRIC:3/29/91:4/27/91:EK:WO:CL

CONCURRENCES

SYMBOL	SURNAME	DATE						

20710

-2-

- 2) The CSF is not properly filled out for the technicals and impurities. The two should be reported as a unit. Do not separate impurities.

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

Sincerely yours,

Marilyn A. Mautz
Acting Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

30410



ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 23 1991

DYFONATE®-TILLAM® 1-4E

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-195

Emulsifiable Liquid
Insect and Weed Control in Tobacco

ACTIVE INGREDIENTS:

O-Ethyl S-phenyl ethylphosphonodithioate 12.6%
S-propyl butylethylthiocarbamate 50.4%

INERT INGREDIENTS: 37.0%

Total 100.0%

Contains 1 lb. DYFONATE per gallon and 4 lbs. TILLAM per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

FOR PESTICIDE EMERGENCY

CALL PHYSICIAN IMMEDIATELY: If a known exposure occurs, or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the procedures given below and simultaneously contact a Poison Center, a physician, or the nearest hospital.

Note: Be sure to advise the person contacted that the compound is a cholinesterase inhibitor. Describe the type of exposure, the victim's symptoms, and follow the advice given.

POISON SYMPTOMS: DYFONATE is a highly toxic cholinesterase inhibitor. Symptoms of poisoning include headache, blurred vision, weakness, nausea, discomfort in the chest, abdominal cramps, vomiting, diarrhea, salivation, sweating and pinpoint pupils.

**ALWAYS CALL A PHYSICIAN IN CASE OF SUSPECTED POISONING.
ATROPINE BY INJECTION IS ANTIDOTAL.**

EPA Reg. No. 10182-195
EPA Est. No. 10182-

____ Lb. Net Wt. ____ Kg.

Made in U.S.A. by
ICI Agricultural Products
A business unit of ICI Americas Inc.
Wilmington, Delaware 19897

BEST AVAILABLE COPY

40410

IF SWALLOWED: Immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

FOR SKIN CONTACT: Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

FOR EYE CONTACT: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately!

IF INHALED: Remove to fresh air. If not breathing, clear victim's airway and start mouth-to-mouth artificial respiration.

IF BREATHING IS DIFFICULT, give oxygen, preferably with a physician's advice. Get medical attention immediately.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

INFORMATION FOR MEDICAL PERSONNEL: Initial measures include removal of secretions, maintenance of a patent airway, and if necessary, artificial respiration. When cyanosis is relieved, atropine by injection is antidotal and may be administered in large therapeutic doses, repeated as necessary to the point of tolerance. If symptoms warrant further treatment, 2-PAM (Protopam Chloride) has shown utility as adjunctive therapy. Never use morphine. Continued absorption of the poison may occur, resulting in fatal relapse after initial improvement; very close supervision of the patient is indicated for at least 48 to 72 hours.

DO NOT TRANSPORT OR STORE DYFONATE-TILLAM 1-4E WITH FOOD OR FEED INTENDED FOR HUMAN OR ANIMAL CONSUMPTION.

IN CASE OF SPILL

ISOLATE the spill.

HOLD this package, other cargo and vehicles involved.

IMMEDIATELY TELEPHONE (24-hour service) for emergency assistance 800-424-9300.

BEST AVAILABLE COPY

50410

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

MAY BE FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. Do not get in the eyes, on skin, or on clothing. Avoid breathing of spray mist.

Wear rubber gloves, shoes, protective clothing and goggles when handling or applying.

Wash hands, arms, and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and water.

Do not transport or store DYFONATE-TILLAM 1-4E with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

REENTRY STATEMENTS

- Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn.
- Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.
- Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.
- Do not apply or allow to drift to areas occupied by beneficial animals or on or adjoining food, fiber or pasture crops. Do not contaminate food or feed.
- Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

BEST AVAILABLE COPY

60710

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "WARNING. Area treated with DYFONATE Agricultural Insecticide on (date of application). Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Birds feeding in treated areas may be killed. Remove or cover granules if spills occur. Runoff from treated areas may be hazardous to fish in neighboring areas. Keep out of lakes, ponds, or streams. Do not contaminate water when disposing of equipment washwaters. For guidance contact your regional office of the EPA. Apply this product only as specified on the label.

GENERAL PRECAUTIONS

- Read all directions before using.
- Do not apply on any crop, or in any manner not specified on this label. Do not rotate with carrots.
- Applied according to directions and under normal growing conditions, this product will not harm the treated crop. During germination and early growth, extended periods of unusually cold and wet or hot and dry weather, insect, nematode, or plant disease attack, the use of certain soil applied systemic insecticides, highly saline or alkaline soil conditions, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. DYFONATE-TILLAM 1-4E used under these abnormal conditions could result in crop injury.
- Do not tank mix with insecticides, fungicides or fluid fertilizers unless their compatibility has been tested and proven to be satisfactory prior to use.
- Do not store near seeds or fertilizers.

BEST AVAILABLE COPY

SOIL INSECTS CONTROLLED

Wireworms:

Corn Wireworm (*Melanotus communis*)
Southern Potato Wireworm (*Conoderus falli*)
Tobacco Wireworm (*Conoderus vespertinus*)

WEEDS CONTROLLED

Annual Grasses:

Crabgrass (*Digitaria* spp.) -
Foxtails - Yellow, Giant, Green (*Setaria* spp.)
Barnyardgrass (Watergrass) (*Echinochloa* spp.)
Bermudagrass (*Cynodon dactylon*)
Goosegrass (*Eleusine indica*)
Wild Oats (*Avena fatua*)
Millet (*Setaria* spp.)

Annual Broadleaf Weeds:

Henbit, Deadnettle (*Lamium amplexicaule*)
Lambsquarters (*Chenopodium album*)
Purslane, Common (*Portulaca oleracea*)
Florida Purslane (*Richardia scabra*)
Redroot Pigweed (*Amaranthus retroflexus*)
Prostrate Pigweed (*Amaranthus graecizans*)
Hairy Nightshade, Groundcherry (*Solanus villosum*)
Nettleleaf Goosefoot (*Chenopodium murale*)
Black-Eyed-Susan, Sweet Suzy (*Rudbeckia serotina*)
Shepherdspurse (*Capsella bursa-pastoris*)

The above broadleaf weeds will be controlled only when the product is applied when conditions are favorable for germination.

Perennial Weeds:

Yellow Nutsedge (*Cyperus esculentus*)
Purple Nutsedge (*Cyperus rotundus*)

Existing stands of Nutsedge must be turned under and chopped up thoroughly before treatment.

BEST AVAILABLE COPY

80710

DIRECTIONS FOR USE

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

Application should be made by ground power equipment and by trained personnel only. Do not apply with hand equipment.

Do not apply this product with any type of irrigation equipment.

This product contains a selective herbicide which is mixed (incorporated) into the soil for control of weeds listed on this label. It controls weeds by interfering with normal seed germination and seedling development. It does not control established weeds. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

APPLICATION DIRECTIONS: The soil should be well-worked and dry enough to permit good soil mixing (incorporation). Pour the recommended amount of product into the spray tank during the filling operations. Apply in 20 to 50 gallons of water per acre. Use a properly calibrated, low-pressure, boom-type sprayer having good agitation.

INCORPORATION DIRECTIONS: DYFONATE-TILLAM 1-4E must be mixed (incorporated) into the soil IMMEDIATELY after application to prevent loss by evaporation of the herbicide. Whenever possible, application and incorporation should be done in the same operation.

Incorporate using tandem discs set to cut to a depth of 6 inches, followed by a spike-toothed harrow or some other leveling device which extends beyond the ends of the discs. For thorough mixing, disc in two different directions (cross disc).

TRANSPLANTING: For maximum weed control, the tobacco may be transplanted immediately after application or application and bedding.

TOBACCO RECOMMENDATIONS

Flue-Cured Tobaccos

Before bedding and transplanting, apply DYFONATE-TILLAM 1-4E, broadcast, at 1 gallon per acre. Incorporate and bed up immediately.

CULTURAL PRACTICES FOLLOWING APPLICATION

The product is not persistent in the soil and susceptible weeds germinating late in the season may not be controlled. Cultivation may be necessary to control these susceptible weeds that escape control as well as those weeds not susceptible. Do not cultivate deeper than the depth of incorporation of the product.

BEST AVAILABLE COPY

90410

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Do not transport or store with any food or feed intended for human or animal consumption. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Metal: Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Glass: Triple-rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.

BEST AVAILABLE COPY

100410

**DIRECTIONS FOR USE AND
CONDITIONS OF SALE AND WARRANTY**

IMPORTANT: Read the Entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product 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 timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America.

DYF195.RSA

BEST AVAILABLE COPY