Reg # 11220-20 PM-22



72 13 1913

DEC 16 1994

TOM DUAFALA TRICAL, INC. P.O. BOX 1327 HOLLISTER, CA. 95024

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Subject: Label Amendment Submission of 6/20/94 in Response to PR Notice 93-7 EPA Reg. No. 11220-20 TRI-FORM 15

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this accuptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

Im Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

Tom Duafala Ph.D. Trical

Comments for: EPA REG. NO. 11220-15, 20,21 TRI-FORM 40/60, TRI-FORM 15, TRI-FORM 30

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

In section 1 under PERSONAL PROTECTIVE EQUIPMENT delete "Application or soil-sealing outside an enclosed cab" Add the Personal Protective Equipment section for "Applicators Outside an Enclosed Cab" on page 5 of 11 of PR Notice 93-7 Supplement 4-E.

In section 1 under PERSONAL PROTECTIVE EQUIPMENT change "Applicators and other handlers performing direct contact tasks must wear" to "Handlers performing direct contact tasks must wear:"

In section 1 under PERSONAL PROTECTIVE EQUIPMENT change "Any other handling tasks not otherwise listed in (2),(3), or (4) below" to "Any other handling tasks not otherwise listed in (2),(3),(4) or (5) below"

Add the following to the end of the PPE section for "Handlers Exposed to High Concentrations":

NOTE: In-tank cleaning of bulk tanks shall be performed only by persons who have been specifically trained for this activity. refer to OHSA 29 CFR 1910.146 and the Telone User's Guide, section on storage tanks.

ADD "EVAL" after barrier laminate in the chemical-resistant glove statements.

RESTRICTED USE PESTICIDE

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.

TRI-FORM 15

A LIQUID SOIL FUMIGANT
FOR PREPLANT TREATMENT OF CROP LANDS TO
CONTROL PLANT PARASITIC NEMATODES AND
CERTAIN OTHER SOIL PESTS. NOT FOR USE
IN GREENHOUSES OR OTHER ENCLOSED AREAS.

ACCEPTED
with COMMENTS
Let EPA Letter Dated

DEC 16 1994

ACTIVE INGREDIENTS: 1,3-Dichloropropene Chloropicrin INERT INGREDIENTS:

78.9% 14.5% 6.6% 100.0% Under the Federal Insecticide, Fundicitie, and Rodenticide Act an amended, for the predicite registered uniter EPA Reg. No. 11220-20

Contains 9.3 pounds of 1,3-Dichloropropene and 1.7 pounds of chloropicrin per gation.

KEEP OUT OF REACH OF CHILDREN

DANGER

TOTAL



PELIGRO

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.

IN ALL CASES OF OVEREXPOSURE GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT FACILITY.

FIRST AID

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

IF ON SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water is not immediately available, remove excess chemical from skin with adsorbent material such as towel or dry soil, then proceed at once to a location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician,

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician,

IF SWALLOWED: Do not Induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Because rapid absorption may occur through lungs if product is aspirated and causes systemic effects, the decision to induce vomiting or not should be made by a physician. If lavage is performed, endotracheal and/or esophageal control is suggested. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

See Side Panel For Additional Precautionary Statements.

TRICAL

P.O. Box 1327, Hollister CA 95024

E.P.A. EST. 11220-CA-1,2,3,4; FL-1 E.P.A. REG. NO. 11220-20

NET CONTENTS LBS.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: DANGER

HAZARDOUS LIQUID AND VAPOR.

DO NOT SWALLOW ANY OF THIS PRODUCT, MAY BE FATAL IF COMOTIAMS

DO NOT SWALLOW ANY OF THIS PRODUCT. MAY BE FATAL BY SWALLOWED.

DO NOT GET IN EYES, CAUSES SEVERE EYE INJURY.

DO NOT GET ON SKIN, MAY BE FATAL IF ABSORBED THROUGH THE SKIN, CAUSES SKIM BURNS, MAY CAUSE ALLERGIC SKIN REACTION.

DO NOT BREATHE VAPOR, MAY BE FATAL IF INHALED, MAY CAUSE LUNG, LIVER, AND KIDNEY DAMAGE AND RESPIRATORY SYSTEM WRITATION UPON PROLONGED CONTACT.

THE USE OF THIS PRODUCT MAY BE HAZARDOUS TO YOUR HEALTH. THIS PRODUCT CONTAINS 1,3-DICHLOROPROPENE, WHICH HAS BEEN DETERMINED TO CAUSE TUMORS IN LABORATORY ANIMALS, RISKS CAN BE REDUCED BY EXACTLY FOLLOWING DIRECTIONS FOR USE, PRECAUTIONARY STATEMENTS, AND BY WEARING THE PERSONAL PROTECTIVE EQUIPMENT SPECIFIED IN THIS LABELING.

THIS FUMIGANT HAS THE CAPACITY TO CAUSE MARKED PRRITATION TO THE UPPER RESPIRATORY TRACT. A STRONG LACHRYMATOR (TEAR-PRODUCING EYE IRRITANT), LOW CONCENTRATIONS ARE CAPARLE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILY OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, LOW CONCENTRATIONS ARE CAPARILE OF CAUSING PARMY LEYE IRRITATION, THE EFFECT MAY BE SO POWERFUL THAT A PERSON MAY BECOME TEMPORARY BLINDED

POWERFUL THAT A PERSON MAY BECOME TEMPORARILY BLINDED AND PANIC STRICKEN. THAT, IN TURN, MAY LEAD TO ACCIDENTS.

AIR CONCENTRATION LEVEL

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (0.7 mg/M^3) . The air concentration level is measured by a direct reading detection device, such as a Matheson-Kdagawa, Draeger, or Sensidyna.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to this Chemical-Resistant Materials: Some materials that are chemical-resistant to the product are listed below, if you want ...ore options, follow the instructions for calegory H on an EPA chemical resistance calegory selection chart, PPE constructed of Saranes, neoprene, and chlorinated polyethylene provide short-term contact or splash protection against figure of this product. Longer-term protection is provided by PPE constructed of Vion, Tefon, and EVAL barrier laminates (for example, Responder suits manufactured by Lie-guard or Sivershield gloves manufactured by North). Leather, canvas, or colton materials ofter no protection from this product and must not be worn when contact with the product is possible. this product is possible.

- (1) Handlers Performing Direct-Contact Tasks: Direct-contact tasks are tasks per-formed outdoors or in a web-ventilated area. They include:

 equipment cathration or adjustment
- upment cleanup and repair

- product sampling application or sof-sealing outside an enclosed cab
- any activity less than 6 feet from an unshelded pressurized hose containing the product. removal of larp or plastic film

- rinsate disposal funigent transfer
- cleanup of small spills
- preparing containers for aeration
 any other handling tast not otherwise fisted in (2), (3), or (4) below.
 Applicators and other handlers performing direct-contact lasks must weer.
- Coverate over short-allieved shirt and short pents, Chamical-resistant gloves, such as berrier laminate or viton, Chemical-resistant footwear plus socks,
- Chemical-resistant headgear for overhead exposure, Chemical-resistant apron,
- Full-face Respirator with alter an organic-vapor-removing cartridge with a prefit or approved for pasticides (MSHA/NIOSH approval number prefit TC-23C), or a canister approved for pasticides (MSHA/NIOSH approval number prefit TC-14G). See further respirator requirements in the "User Safety Requirements" section of the
- (2) Handlers in Enclosed Cabs: Applicators and other handlers in enclosed cabs must
- Shoes and socks
- Shoes and socks.
 Plus, a odor or irritation from this product can be detected finished the lendosed cab or it the air concentration level of chloropicrin exceeds 0.1 ppm inside the lendosed cab, handlers in the cab must liver a full-face respirator with either an organic-vapor-removing certridge with a prefilter approved for pasticides (MSHANIOS 4 approved number prefix TC 20C), or a canster approved to, pesticides (MSHANIOS1 approved number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of the labet.
 In addition, the PPE specified in (1) for direct-contact activities must be immediately evailable in the enclosed cab and must be worn if the handler teaves the enclosed cab to perform any direct-contact activity. The enclosed cab must meet the requirements listed in the Worker Protection Standard (WPS) for agricultural pasticides 40 CFR 170.240(d)(5).
- (3) Handlers in Treated Area Withia 72 Hours After Application; Only the following handler lasts may be performed in the treated area within 72 hours, effer the application

- a compete:

 Assessing/adjusting the soit seat

 Assessing past control, application technique, or application efficacy

 Sampling air or soil for this product

 All other tests are prohibited until the 72-hour period, has expired, Unless in an enclosed cab as described in (2) above, handlers performing the above tasks in the freeled area within 72 hours after application must wear:
 - Coverafs.
 - Chemical resistant gloves such as barrier laminate or viton, Chemical-resistant footwear and socks,

Plus, if odor or irritation from this product can be detected or if the air concentration Party, it door of intation from this product can be delected or a fine air concentration level of chloropicine accords 0.1 ppm, handlers, must wear a full-fire respiration with eather an organic vapor-removing certridge with a prefilter approved for pesticides (MSHA/HOSH approval number prefix TC-22C) or a canciler approved for pesticides (MSHA/HOSH approval number prefix TC-13C), see Further respirator requirements in the "User Safety Requirements" section of the label.

See Requirements Continued in Third Column

6 n 13

Requirements, Continued:

- (4) Handlers Exposed to High Concentrations: Handlers exposed to high airtiome concentrations of this product, such as cleanup following large spits, in tank cleaning of bulk tanks, and exposure to this product is poorly vanitated areas, must wear:
 - Chemical resistant sult.
- Chemical-resistant gloves, such as berrier leminate or viton, Chemical resistant footweer plus socks,
- Chemical resistant headgear,
- Supplied-air respirator with MSHANNOSH approval number prefix TC-19C or sef-contained breathing apparatus (SCBA) with MSHANNOSH approval number prefix TC-13F. See further respirator requirements in the "User Safety Requirements" section of the label.

USER SAFETY REQUIREMENTS

- USER SAFETY REQUIREMENTS

 1. Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met: (a), Fulf-face respirators must be worn. (b), Cartindges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner. (c), Respirators must be fil-lested and fil-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134). (d). Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134). (e). Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.

 2. Never Furnigate alone: it is imperative to always have an assistant and proper protective equipment in case of accidents.

 3. Drivers Responsibilities: Orivers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must instruct their helpers
- workers of all precautions and procedures. In addition, drivers must instruct their heisers in the mechanical operation of the tractor and how to safely work with the tractor and
- deliver while furnigeting.

 4. Dispose of Contaminated Clothing: Discard clothing and other absorbent materials that have been drenched or neavily contaminated with liquid of this product. Do not
- 5. Clean and Maintain PPE; 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 faundry. Wash PPE after each day's use.

 6. Contact With Mouth; Never siphon this product by mouth or use mouth to blow out.
- cloaged lines, nozzles, etc.
- Heat Itiness Avoidance: Use measures to avoid or minimize heat litness while using this product. These measures include gradual adjustment to heat and respirator stress, take for cooling, cooling vests, frequent breaks to cool down, frequent make of donking water, and maintaining weight from day to day.

USER SAFETY RECOMMENDATIONS

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toket.
 Remove ciothing immediately if pesticide grts inside. Then wash thoroughly and put
- non-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 ciothing.

EMERCENCY: In case of an emergency endangering health or the emiro invelving this product, cell the 24 Hour Emergency Phone Number (600) 424-9300,

STORAGE, SHIPMENT AND DISPOSAL

SHIPPING, STORAGE: Agricultural Chemical. Do not ship or store with food, feeds, drugs or clothing.

STORAGE: Store in lightly-closed original container in a cool place away from dwellings, Do not allow contamination of seeds, plants, fertilizers, or other pesticide chemicals. Do not contaminate food, feed stuffe, drugs, or domestic water supplies.

DISPOSAL: Pesticide wastes are loxic. Improper disposal of excess pesticide and mastes is a violation of Federal law, if these wastes cannot be disposed of by use according to label instructic. , contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional differ for guidance. Because 1,3-dichloropropene is corrosive under cartain conditions, flush all yearments. Decente 1,3-demorphyopene is corrosn's under cartain conditions, fligh all application equinment with fixel oil, kerosene or a similar type of petroleum solvent immediately after use. Fill pumps and melers with new motor oil or a 50% motor offuel oil mixture before storing. Do not use water, Dispose of rinade by applicable Federal, State and local regulations. Never introduce rinsale or unused product into surface or underground water supplies.

METAL CONTAINER DISPOSAL: To dispose of container emptied during application operation, remove bungs, invert container in the field just treated and ensure that the container is free of liquid. Orient container such that ventilation of bung holes is not restricted. Allow containers to aerate for at least 14 days. Replace bungs prior to transport. After seration, offer container to qualified reconditioner or dispose of as directed by State or in: all regulations.

REFILLABLE CONTAINERS: Contact the company end/or the company representative for directions on cleaning and handling refitable containers.

BULK OR MINIBULK PRODUCT TRANSFERS: Dry breek or dry deconnect couplings are required for all product transfers involving bulk containers for products centaining 1,3-dichloropropens as of September 30, 1993.

ENVIRONMENTAL HAZARDS

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Do not contaminate water by cleaning of equipment or disposal of wastes. See "Storage, Shipment and Disposal" section. In case of spills, properly dispose of contaminated metarials.

Crewnd Water Advisory: 1,3-dichibropropene is known to move through soil and under certain conditions has the potential to reach ground water as a nesult of agricultural use. Application in areas where soils are permeable and ground water is near the surface, or in karsi geology, could result in ground water contain

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: Do not use, pour, suit, er store near heat er apen flames. Do not cut er veld container.

It is a violation of Federal law to use this product in a manner incommittent 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 pesticule regulation,

ENGINEERING CONTROLS REQUIREMENTS

MICHANICAL TRANSFER SYSTEM: Personal protective equipment specified for "Direct Contact Activities" must be worn by the operator of the mechanical transfer system. The operator of the mechanical transfer system must have available to then the manufacture's written instructions for operation of the system and must read and understand (or have explained to hun in detail) the proper operation end maintenance of the contract.

WITH ALL BUCK AND MINI-BUCK CONTAINERS: 1,3-dichloropropens and WITH ALL BUTCH AND MINISTER CONTRINCTS: 1,3-dishborproprime and 1,3-dishborproprime mixed with chloropicini must be transferred through connecting hosses, pipes, and/or couplings sufficiently light to prevent handlors or other persons from coming in contact with figure 1,3-dishborproprime, and/or chloropicrin.

1. All hosses, piping, and tanks used in connection with 1,3-dishborproprime and/or chloropicrin shall be appropriate for use under the pressure and vacuum conditions to

be encountered.

Caternal sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage and leakage.
 The mechanical transfer system must be adequate to make necessary measure-

3. The mechanical transfer system must be adequate to make necessary measurements of the posticide being used.
4. Shot-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of 1,3-dichloropropene and/or chloropicrin product when the transfer is stopped and hose is removed or disconnected. A dry coupler that will minimize pasticide leakage must be histalled at the disconnect point.
5. The pressure in hoses used to move 1,3-dichloropropene and/or chloropicrin hasyords a term must not account the manufactural minimum personners.

beyond a pump must not exceed the manufacturer's maximum pressure specification.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Direction for Use section for information about his standard.

WARRANTY DISCLAIMER

NOTICE: Select warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but righter this warranty nor any other warranty of MERCHANTABILITY or LITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to latel instructions, or under abnormal conceions, or under conditions not reasonably foreseeable to soller, and buyer assumes the risk of any such use.

INHERENT RISKS OF USE: it is impossible to eliminate attrible associated with use of this product. Grop bijury, lack of porformance, or other unelended consequences may result because of such factors as use of the product contrary to tabel and label booklet instructions (including conditions noted on the tabel and label booklet, such as unfavorable imperatures, soil cunditions, etc.), abnormal conditions (such as excessive ramidal, droughle, lorradoes, hurricanes), presence of other materials, the manner of application, etc. of which are beyond the control of the company or the setter. All such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES: The exclusive remedy for losses or damages resulting from this product forchaffer clarms haved on contract perference stick faithlifty or other lends.

from this product (including clarms based on contract, negigence, stict liability, or other legal theories), shall be finded to, at the company's election, one of the following: (1) Refund of purchase price paid by buyer or user for product bought; or, (2) Replacement of amount of product purchase price paid by buyer or user for product bought; or, (2) Replacement of amount of product used. The company shall not be sable for losses or damages resulting from handling or use of this product unless the company is promptly notified of such loss or damage in writing. In no case shall the company be liable for consequential or incidental damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statement or agreements. No employee or sales agent of the company or the select is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

INHALATION HAZARD

CA April, 1994





RESTRICTED USE PESTICIDE

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.

LABEL BOOKLET

DIRECTIONS FOR USE INCLUDING STORAGE, SHIPMENT AND DISPOSAL; PRECAUTIONARY INFORMATION, INCLUDING REQUIREMENTS FOR PERSONAL PROTECTIVE EQUIPMENT; ENGINEERING CONTROL AND REQUIREMENTS; AND ACRICULTURAL USE REQUIREMENTS.

TRI-FORM 15

A LIQUID SOIL FUMIGANT
FOR PREPLANT TREATMENT OF CROP LANDS
TO CONTROL PLANT PARASITIC NEMATODES
AND CERTAIN OTHER SOIL PESTS.
NOT FOR USE IN GREENHOUSES OR OTHER ENCLOSED AREAS.

ACTIVE INGREDIENTS:

1,3-Dichloropropene 78.9% Chloropicrin 14.5% INERT INGREDIENTS: 6.6%

OTAL 100.0%

Contains 9.3 pounds of 1,3-Dichtoropropens and 1.7 pounds of chloropicrin per gallon.

TRICAL

P.O. Box 1327, Hollister CA 95024

E.P.A. EST. 11220-CA-1,2,3,4; FL-1 E.P.A. REG. NO. 11220-20

NET CONTENTSLBS.

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

Peligro: Si Usted no enflende la etiqueta, busque a algulen 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.

IN ALL CASES OF OVEREXPOSURE GET MEDICAL ATTENTION IMMEDIATELY. TAKE PERSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT FACILITY.

FIRST AID

IF tNHALED: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

IF ON SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water is not immediately available, remove excess chemical from skin with adsorbent material such as towel or dry soft, then proceed at once to a location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

IF SWALLOWED: Do not induce vomiting. Call a physician or Polson Control Center immediately. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Because rapid absorption may occur through lungs if product is aspirated and causes systemic effects, the decision to induce vomiting or not should be made by a physician. If lavage is performed, endotracheal and/or esophageal control is suggested. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

See Side Panel For Additional Precautionary Statements.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: DANGER

HAZARDOUS LIQUID AND VAPOR.

DO NOT SWALLOW ANY OF THIS PRODUCT, MAY BE FATAL IF

SWALLOWLD,

DO NOT CET IN EYES, CAUSES SEVERE EYE IMJURY,

DO NOT GET ON SKIN, MAY BE FATAL IF ABSORBED THROUGH THE

SKIN, CAUSES SKIN BURINS, MAY CAUSE ALLERGIC SKIN REACTION,

DO NOT BREATHE VAPOR, MAY BE FATAL IF INHALED, MAY CAUSE

LUNG, LIVER, AND KIDNEY DAMAGE AND RESPIRATORY SYSTEM

IRRITATION UPON PROLONGED CONTACT.

IRRITATION UPON PROLONGED CONTACT,
THE USE OF THIS PRODUCT MAY BE HAZARDOUS TO YOUR HEALTH.
THIS PRODUCT CONTAINS 1,3-DICHLOROPPOPENE, WHICH HAS BEEN
DETERMINED TO CAUSE TUMORS IN LABORATORY ANIMALS, RISKS
CAN BE REDUCED BY EXACTLY FOLLOWING DIRECTIONS FOR USE,
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POWERFUL THAT A PERSON MAY BECOME TEMPORARILY BLINDLD
AND PANIC/STRICKEN. THAT, IN TURN, MAY LEAD TO ACCIDENTS.

AIR CONCENTRATION LEVEL

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (0.7 mg/M³). The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitingawa, Draeger, or Sensidyne.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category H on an EPA chemical resistance category selection chart. PPE onnstructed of Saranex, on an EPA chemical resistance category selection chart. PPE constructed of carener, neoprene, and chlorinated polyathylene provide short-term contact or aplash protection against figuid or this product. Longer-term protection is provided by PPE constructed of Viori, Teffon, and EVAL barrier laminates (for example, Responder suits manufactured by Life-guard or Silvershield gloves manufactured by North). Leather, canvas, or cotton materials off r no protection from this product and must not be worn when contact with this product is possible.

- (1) Handlers Performing Direct-Contact Tasks: Direct-contact tasks are tasks per-formed outdoors or in a well-venitaled area. They include: a: equipment calibration or adjustment
- equipment cleanup and repair

- equipment ceraing and repair
 product sampling
 application or soft-sealing outside an enclosed cab
 any activity lass than 6 feet from an unshielded pressurized hose containing this
- removal of larp or plastic film
- rinsale disposal
- furnigent transfer cleanup of small spills
- preparing containers for seration
- a my other handling lask not otherwise listed in (2), (3), or (4) below.
 Applications and other handlers performing direct-contact tasks must wear.
 Coverals over short-sleeved shirt and short pants,
- Chemical-resistant gloves, such as barrier faminate or vilon, Chemical-resistant footwear plus socks, Chemical-resistant headgeer for overhead exposure,
- Chemical-resistant epron
- Chemical-resistant apron,
 Full-face Respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of the label.
- (2) Handlers in Enclosed Cabs: Applicators and other handlers in enclosed cabs must
- Shoes and socks
- Shoes and socks,
 Plas, if odor or irritation from this product can be detected fraide the enclosed cab or if the sir concentration tevel of chloropicrin exceeds 0.1 ppm Inside the enclosed cab, handlers in the cab must wear a full-face respirator with either an organic-vapor-removing cartridge with a profile of approved for pesticides (MSHA/NICSH approval number prefix TC-12C), or a centitor approved for pesticides (MSHA/NICSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of the labet.
 In addition, the PPE specified in (1) for direct-contact activities must be immediately available in the sectioned cab and must be worn if the handler leaves the enclosed cab to perform any direct-contact activity. The enclosed cab must meal the requirements listed in the Worker Protection Standard (WPS) for agricultural posticides 40 CFR 170-240(d)(5).
- pesticides 40 CFR 170.240(d)(5).
- (3) Handlers in Treated Area Within 72 Hours After Application: Only the following handler tasks may be performed in the treated area within 72 hours after the application

- Assessing/adjusting the soil seal
 Assessing past control, application technique, or application efficacy
 Sampling air or soil for this product
 All other tasts are prohibited until the 72 -hour period has expired. Unless in an enclosed cab as described in (2) above, handlers performing the above tasks in the treated area within 72 hours after application must wear:
 - Coverally.

- Chemical-resistant gloves, such as barrier laminate or vition,
 Chemical-resistant footwear and socks,
 Plus, it odor or irritation from this product can be detected or if the eir concentration. Puls, 8 odor of irration from this product can be delected or a line are concentration level of choropicrin exceeds 0.1 ppm, handlers must wear a full-face respirator with exher an organic-vapor removing cartridge with a prefilter approved for peaticides (MSHAPHOSH approval number prafts TC-23C), or a canaliser approved for peaticides (MSHAPHOSH approval number prafts TC-14G). See further respirator requirements in the "User Safety Requirements" section of the label.

See Requirements Continued in Third Column

Requirements, Continued;

(4) Hendlers Exposed to High Concentrations: Handlers exposed to high airborne concentrations of this product, such as cleanup following large spile, in tank cleaning of bulk tanks, and exposure to this product in poorly ventilated areas, must wear;

Chemical resistant sub.
Chemical-resistant gloves, such as barrier teminate or viton,

Chemical resistant footwear plus socia,

 Chemical resistant footwar plus socks,
 Chemical-resistant headgear,
 Suppfied-air respirator with MSHANIOSH approval number prefix TC-19C or setcontained breathing apparetus (SCBA) with MSHANIOSH approval number prefix
TC-13F. See further respirator requirements in the "User Safety Requirements" section of the label.

USER SAFETY REQUIREMENTS

1. Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met: (a), Full-face respirators must be worn. (b), Cartridges or canalities must be replaced dely or when oder or irritation from this product becomes apparent, whichever is sooner. (c) Respirators must be fit-lested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134), (d). Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134), (e). Pespirator users must be examined by a qualified medical practitionar to ensure physical ability to safely user the style of respirator to be worn.

2. Never Furnisals above. It is importable to always have an assistent and proper.

2. Never furnigate alone. It is imperative to always have an assistant and proper protective equipment in case of accidents,

3. Drivers Responsibilities: Drivers of application equipment must advise other

workers of all precautions and procedures, in addition, drivers must instruct their halpers in the mechanical operation of the tractor and how to safety work with the tractor and

4. Dispose of Contaminated Clothing: Discard cicthing and other absorbent materials that have been drenched or heavily contaminated with figure of the product. Do not

5. Clean and Maintain PPE: Follow manufacturer's inclructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE asparately from other laundry. Wash PPE after each day's use, 6. Contact With Mouth: Never sighon this product by mouth or use mouth to blow out.

7. Heal Illness Avoidance: Use measures to avoid or minimize heal liness while using this product. These measures include gradual adjustment to heat and respiratur stress, tens for cooling, cooling vests, frequent breaks to cool down, frequent intake of drinking water, and maintaining weight from day to day.

USER SAFETY RECOMMENDATIONS

- Wash hands before eating, drinking, chewing gum, using lobacco, or using the loilet, Remove clothing immediately if posticide gets inside. Then wash thoroughly and out 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

EMERGENCY: In case of an emergency endangering health or the environmental brooking this product, call the 24 Hour Emergency Phone Number (800) 424-9300,

STORAGE, SHIPMENT AND DISPOSAL

SHIPPING, STORAGE: Agricultural Chemical. Do not ship or store with food, feeds, druct or clothing.

STORAGE: Store in tightly-closed original container in a cool piece away from dwellings. Do not allow contamination of seede, plants, fertilizers, or other pecticide chemicals. Do not contaminate food, feed stuffs, drugs, or domestic water supplies.

DISPOSAL: Pesticide wastes are toxic, Improper disposal of excess pesticide and shastes is a violation of Federal law. If these wastes cannot be disposed of by use according to tabel instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance. Because 1,3-dichloropropere is corrolly under certain conditions, flush all application equipment with fuel oit, herosene or a similar type of petroleum solvent immediately after use. Fit pumps and meters with new motor of or a 50% motor obtived ill miniture before storing. De not use water, Dispose of rinsate by applicable Federal, State and local regulinos. Never introduce rinsate or unused product into surface or underground water - upplies.

METAL CONTA¹ (CR DISPOSAL: To dispose of contener emptied during application operation, remove burgs, invert container in the field just freated and ensure that the container is free of Equid. Orient container such that ventilation of burg holes is not restricted. Allow containers to senate for at least 14 days. Replace burgs prior to transport. After seration, offer containers to qualified reconditioner or dispose of as directed by State or local regulations.

NERS: Contact the company and/or the company is on cleaning and handling refitable containers. REFILLABLE CONTAINERS:

BULK OR MINIBULK PRODUCT TRANSFERS: Dry break or dry deconnect couplings are required for all product transfers brooking bulk containers for products containing 1,3-dichloropropens as of September 30, 1993.

ENVIRONMENTAL HAZARDS

Do not contamit ate water by cleaning of equipment or deposel of wastes. See "Storage, Shipment and Disposal" section. In case of spills, properly dispose of contaminated

Ground Wales Advisory: 1,3-dichbropropene is known to move through soll and under certain conditions has the potential to reach ground water as a result of agricultural use. Application to areas where solls are permeable and ground water is near the surface, or in I arst geology, could result in ground water contamination.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMARLE: Do not use, pour, split, or store near heat or open flames. Do not cut or weld container.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its tabeling. Do not apply this product in a way that will contact workers or other persons, after directly or through apply this product in a way that will confact workers or other persons, adher 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.

ENGINEERING CONTROLS REQUIREMENTS

MECHANICAL TRANSFER SYSTEM: Personal protective equipment specified for Direct Contact Activities" must be worn by the operator of the mechanical transfer system. The operator of the mechanical transfer system must have evailable to him the manufacturer's written instructions for operation of the system and must read and understand (or have explained to him in detail) the proper operation and maintenance of

WITH ALL BULK AND MINI-BULK CONTAINERS: 1,3-dichloropropene and WITH ALL BUTCH AND MINITEDIAL CONTINUENCES. 1,3-dichloroproposes and included with chloropicin must be transferred through connecting hoses, pipes, and/or couplings sufficiently light to prevent handlers or other persons from coming in contact with figuid 1,3-dichloropropess. and/or chloropicins.

1. All hoses, piping, and lanks used in connection with 1,3-dichloropropens and/or chloropicins shall be appropriate for use under the pressure and vecuum conditions to

External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage and leakage.

3. The mechanical transfer system must be adequate to make necessary measure-

ments of the pesticide being used.

4. Shut-off devices must be installed on the exit and of all hoses and at all disconnect. points to prevent leakage of 1,3-dichloropropene, and/or chloropicrin product, when the kensfer is stopped and hore is removed or disconnected. A dry coupler that will minimize posticide teakage must be installed at the disconnect point.

pressure & hoses used to move 1,3-dichloropropene and/or chloropicrin beyond a pump must not exceed the manufacturer's maximum pressure specification.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains sequirements 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 perfairing to the statements in this labeling about personal protective equipment, restricted-entry intervals, and notification to word-ers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

apply to uses of this product that are covered by the Worker Protection Standard (VPIS). ENTRY RESTRICTION: Entry (including early entry that would otherwise be permitted under the WPS) by any person—other than a correctly trained and equipped handler who a performing a handling task permitted on their labeling—is PROHIBITED from the start of application until 72 hours after application. In addition, if tarps are used for the application, non-handler entry is prohibited white tarps are being removed.

NOTIFICATION: Notify workers of the application by warning them orably and by posting furnigant warning signs at entrances to Insaled areas. The signs must bear the skutland crossbones symbol and state; (1) "DANGER/PELKORO," (2) "Area under furnigation, DO NOT ENTER/NO ENTRE," (3) the date and time of furnigation of the properties of the speciation, but the furnigant warning sign instead of the YPS sign for this application, but follow all VPS requirements pertaining to location, legibility, size, and diming of posting and removat.

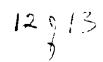
PPE FOR ENTRY DURING THE ENTRY-RESTRICTED PERIOD: PPE for entry that is permitted by this labeling is Isled in the "Hazards to Humans and Domestic Animals" section of this tabeling."

WARRANTY DISCLAIMER

NOTICE: Seller warrants that this product conforms to the chartical description on the label and is reasonably fill for the purposes stated on the label when used in accordance with directions 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 reasonally foreseeable to seller, and buyer assumes the risk of any such use.

INMERENT RISKS OF USE: It is Impossible to eliminate all risks associated with use INHERENT RISKS OF USt: it is impossible to eliminate all risks associated with use at this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label and label books; instructions (including candillons noted on the label and label booklet, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornedoes, hurricanes), presence of other malerals, the manner of application, all of which are beyond the control of the company or the seller. All such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES: The exclusive remedy for losses or damages resulting LIMITATION OF REMEDIES; the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be finded to, at the company's election, one of the following; (1) Refund of purchase price paid by buyer or user for product bought, or, (2) Replacement of amount of product used. The company shall not be liable for losses or damages resulting from handling or use of this product unless the company is promptly notified of such loss or damage in writing in no case shall the company be fable for consequential or incdental damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statement or agreements. No employee or sales agent of the company or the selfer is authorized to vary or exceed the terms of the Warranty Disclaimer or the Limitation of Remedies in



GENERAL INFORMATION

This product is a multi-purpose figuid furnigant for preplant treatment of soil to control rematodes, symphylans, wireworms and certain soil borne diseases in creatand.

Before furnigation, soil sampling for the type and number of pests present is recommended. In fields where pre-treatment soil samples indicate the presence of high population levels of nemalodes, a successful furnigation cannot be expected to eradicate entire populations. Therefore, post-troat next sampling is recommended to determine the need for additional pest management practices.

Consult State Agricultural Experiment Station or Extension Service specialists for information on our practices such as post-harvest destruction of crop residues, weed control or other cultural practices, and use of rematode resistant crop varieties that may aid in reducing crop losses from soil borne pests.

GENERAL USE PRECAUTIONS

Soil furnigation using this product should be conducted only according to directions and conditions of use described in this latteling.

FORMULATOR USE OF 1,3-DICHLOROPROPENT:

Labeling for end use products containing 1,3-dichloropropene that are prepared and sold by formulators must comply with all precutionary statements, use procautions, environmental hazards, handling and protective equipment requirements, maximum application rates and other exposure mitigation measures specified in this product labeling.

RECONTAMINATION PREVENTION:

This product will control pests that are present in the soil treatment zone at time of funigation. It will not control pests that are introduced into soil after furnigation. To avoid reinfestation of treat is soil do not use imgation water, transplants, seed pieces, or equipment that could carry soil borne pests from intested land. Avoid contamination from intested soil onto treated beds through cultivation, movement of soil from below the treated zone, dumping contaminated lare soil in treated fields and soil contamination from equipment or crop remains. Clean equipment circlefully before entering treated fields.

BULK TRANSFERS:

Dry break or dry disconnect couplings are required for all product transfers involving bulk containers for 1,3-5ichloropropene as of September 30, 1993.

Do not use containers, pumps or other transfer chuipment made of aluminum, magnesium or their alloys, as under certain conditions 1,3-dichloropropene may be severely corrosive to such metals.

EQUIPMENT CLEAN-UP:

Because 1,3-dichlorophopene is comosive under certain conditions, flush all application equipment with fuel oil, kerosene or a similar type of petroleum solvent immediately alter use. Fill pumps and meters with new motor oil or a 50% motor oil et all mixture before storing. Do not use water. Dispose of rinsate by is imposition into field just treated or by other approved means. Never introduce rinsate or unused product into surface or underground water supplies.

CHEMICATION:

Do not apply 1,3-dichloropropene through any type of irrigation system

FERTILITY INTERACTIONS:

Furnigation may temporarily raise the tevel of ammonia nitrogen and soluble salts in this soil. This is most likely to occur when heavy rates of fertilizer and furnigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to certain crops including red beets, camots, com, radishys, cole crops, legumes (beans), lettuce, onions, and augar beets, fertilize as indicated by soil tests made after furnigation.

To avoid ammonia injury or nitrate starvation (or both) to crops grown on high organic soits, do not use fertifizers containing ammonium salts. Use only fertifizers containing nitrates until after the crop is well established and the soil temperature is above 65 degrees F.

In mineral soils, do not apply more than 2/3 of the nitrogen requirements from fertifizers containing ammonium salts until the crop is well established and the soil temperature is above 65 degrees F.

When using high rates of the product as required by certain state nursery regulations, liming of highly acid soils before furnigation may stimulate nitrification and reduce the possibility of ammonia toxicity. Certain nursery crops such as citrus seedlings, Cornus sp., Crattegus sp., spruce, and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following furnigation. To avoid this possible effect, it is suggested that additional phosphate fertilizer (folar applied) is recommended where experience indicates a deficiency may nocur.

APPLICATION DIRECTIONS

APPLICATION TIMING: This product can be applied at any time of the year when soil conditions permit. Conditions that allow rapid diffusion of the funigant as a gas through the soil normally give best results. Because this product does not provide residual control of soil pests, it should be used as a preplant application before planting each crop. The following soil temperature and moisture conditions should exist at time of treatment. Failure to meet these conditions may result in unsatisfactory product performance:

SOIL CONDITIONS: <u>Soil temperature</u> at the depth of application must be between 40 degrees F and 80 degrees F, in areas where the soil temperature in the spring may not reach 40 degrees F in time to allow application of this product prior to planting, late summer or early fall treatment is recommended. <u>Soil moisture</u> throughout the desired treatment zone should be a or near the permanent witing point to allow optimum dispersion of the furnigant, which moves as a gas through the soil air spaces. The permanent writing point varies with soil texture and organic matter content. Coarser textured soils can be furnigated under conditions of higher soil moisture than finer textured soils; however, if the soil moisture is too high, furnigant movement will be retarded and effectiveness of the treatment will be reduced. Previous and/or local experience with the soil to be treated or the crop to be planted can often service as a guide to conditions that will be acceptable. If you do not know how to determine the soil moisture content of the area to be treated, consult your local extension service or soil conservation service specialist or pest control advisor (ag consultant) for assistance.

In general, no irrigation should immediately precede subsoiting or furnigation; however, when surface soil moisture conditions are not likely to provide an adequate seal against furnigant loss, a very light sprinkler irrigation to wet the top 1 to 2 inches of soil may be useful.

SOIL PREPARATION: The soil should be free of clods. Large clods can prevent effective soil sealing and reduce effectiveness of this product. Plant residues should be thoroughly incorporated into the soil prior to treatment to avoid interfering with application. Undecomposed plant material may harbor jests that will not be controlled by furnigation. Little or no crop residue should be present on the soil surface. Crop residue that is present should be fait to permit the soil to be sealed effectively. Compacted soil layers within the desired treatment zone should be fractured before or during application of the furnigant. Deviation from the above conditions may result in unsatisfactory

PLACEMENT OF FUMIGANT: This product may be applied as either a broadcast (overall) or row treatment. It must be placed at least 10 inches below the final soil surface. When soil conditions allow, placement a minimum of 12 inches below the final soil surface is recommended. Deeper placement is recommended when fumigating soil to be planted in deep-moted plants, such as personial fruit and nut crops, or to control deeply distributed pests.

APPLICATION METHODS AND EQUIPMENT

BROADCAST APPLICATION: Use chisel (shank), Noble (sweep) plow or plow-sole application equipment. For best results when using chisel equipment, use ripper-type, forward-swept shanks. Noble plow equipment is particularly useful for fall furnigation when the soil still contains some standing undecomposed plant material. Subsoling may be necessary before application as described under "Soil Preparation". Choose application equipment which allows the deepest application and best soil seal under existing conditions.

The furnigant outlet spacing varies with the type of application equipment used. With chisel equipment a furnigant shank spacing of 12 to 24 inches is recommended. The outlet spacing for this equipment may be up to 1.1/2 times the application depth but generally should be equal to the application depth and should not exceed the soll-shattering capability of the chisels. The maximum outlet spacing should not exceed 24 inches. With plow-sole equipment a 12-inch outlet spacing is recommended. Do not exceed an outlet spacing of 18 inches. With Noble (sweep) plant equipment use an outlet spacing of 9-12 inches along the sweeps.

Broadcast application can be made in the same direction or at an engle to the direction of row planting.

ROW APPLICATION: Use chisel equipment to treat a bend of soil where the crop is to be planted, i.e. the plant row. One or two chisels per plant row is recommended. In general, when one chisel is used, apply product at the flow rates given. When two chisels per plant row are used, space the chisels (furnigant outlets) 8 to 12 inches apart and divide the flow rates equally between the two outlets. Regardless of the number of chisels used, the amount of furnigent applied per 1000 feet of plant row should remain the same. With certain deeper rooted crops such as potatoes and sugar bests, higher flow rates may be necessary to ensure adequate treatment of the zone of soil where primary root growth occurs, however, in no case should the amount of furnigant applied per acre exceed the gallons per arro rates for broadcast treatment.

APPLICATION METHODS AND EQUIPMENT (Continued):

To prevent seed germination problems caused by improper seed-to-soil contact or improper seeding depth, do not place the seed directly over the furrow left by the applicator chisel(s). When one chisel is used per plant row, place the seed about 4 inches to one side of the chisel furrow. When two chisels are used per plant row, plant the seed offset from the chisel furrow.

SEALING THE SOIL AFTER APPLICATION: Immediately after chisel application of the product, the soil should be "sealed" to prevent furnigant loss and ensure that an effective concentration of furnigant is maintained within the soil for a period of several days.

For Broadcast Treatment (flat furnigation), sealing can be accomplished with equipment that will uniformly mix the soil to a depth of 3 to 4 inches to effectively eliminate chisel or plow traces which can allow direct escape of the furnigant. A tandem disc or similar equipment may be used for this purpose. To maximize sealing, steps should also be taken to compact the soil surface to further retard the rate of furnigant kins by following with a ring roller, cultipacker or roller in combination with tillage equipment. Compaction of the soil surface alone may give the appearance of adequate sealing without effectively dishupping chisel or plow traces.

For Row Treatment, forming the beds at the time of application should be accomplished in a manner that places the lumigent at least 12 inches from the nearest solitar interface. The closest solitar interface could be the furrow for multiple knile applications or the top of the bed for single knile applications. Row treatments into preformed beds should be sealed by disrupting the chisel trace using press sealers, ring rollers or by reforming the beds and following with such equipment.

Sealing can also be improved by applying non-perforated plastic film, such as prijudytene, over the entire area or in strips. Use of a film to seal the soil suiface does not eliminate the need to eliminate chiscli traces prior to application of the plastic film unless simultaneous application and tarp taying by the same piece of equipment occurs and the tarp is a minimum of 1 mill thick.

Proper soil conditions at the time of application (see Soil Preparation section) are important to ensure proper placement of furnigant (see Placement of Furnigant section) and to obtain adequate sealing. Prior tillage should be adequate to eliminate clods and thoroughly mix crop residues into the soil.

SOIL FUMIGATION INTERVAL: Leave the soil undisturbed and unplanted for at least 7 days after application of the fumigant. A longer undisturbed interval is required if the soil becomes cold or wet, and for deep-rooted free, shrub and vine planting sites.

After the furnigation interval, to prevent phytotoxicity, aflow the furnigant to dissipate unpitelely before planting the crop. Under optimum soil conditions for dissipation, I week for each 10 gations/acre is recommended. Fur fruit, nut, and nursery crops at least three months should elapse between treatment and planting. To haston dissipation, especially if heavy rains or low temperatures occur during the treatment period, till the soil to the depth of furnigant application. Use a knite-ske chisel without turning the soil to reduce the possibility of recontaminating the treated soil. Dissipation is usually complete when the odor of the product is no longer evident at the application depth Seed may be used as a bioassay to determine if the product is present in the soil at concentrations sufficient to cause plant injury. Do not plant if the odor of the product is present within the zone of furnigation.

APPROVED USES

Use TRI-FORM 15 only as a preplant treatment to control NEMATODES such as mosdow (losion), root knot, citrus, burrowing, ring, spiral, string, pin, stubby root, stylet, dagger and cyst formers (golden and sugar beet), also wireworms, garden centipodes, (symphylans) in land to be planted to vegetables such as beans, beets, carrots, celery, cole crops (cauliflower, cabbage, etc.), com, cucurbits (cucumbers, melons, etc.) lettuce, onions, parsnips, peas, peppers, spinach, sweet polatices, white polatices, tomators, turnips, and field crops such as cotton, peanuls, sugar beets, mint and tobacco, and other high value crops such as floral crops, pineapple, strawberies, citrus and deciduous orchard planting sites, omamentals and forest nursery crops. For best results with annual crops, freat soil each year. Do not use on extremely riesvy clay

DISEASE: For the control of black shank, black root rot, and Granville will in tobacco use 8.5 to 10.5 gallons per acre in the row (42° apart) and for broadcast treatment use 15 to 20 gallons per acre. NOTE, For soit borned disease control in tobacco, do not apply more than 20 gallons of product per sorte.

For the control of soil rot (soil pox) in sweet potatoes use 8.5 to 10.5 gallons per acre in row treatment where rows are 421 apart and 24 to 27.5 gallons per acre broadcast treatment.

For the control of *Venicilium* will of white potatoes, mint and *Pyrenoctiveta terrestris* (pink root of onions) use 24 to 27.5 gallons per acre broadcast treatment.

As an aid in controlling peanut pod rot disease, apply 2.5 to 5 gallons per acre.

APPLICATION RATES TRI-FORM 15

Crap	Type of ap Treatment Soil Type			Callons Per Acrel		
Shallow Posted Flants: Field Crops Flora: Crops Grasses and Turf tmail Fruits	Rov (42°)	hiperal Huck or Pe	· t	5.1 10 3	to to	6 † 13.7
Vegetablem Ornamentals	Over-all (b-oadcast)	Mineral Muck or Pe	· t	10.3 27.4		17.1 41.1
Etrawberries	Over-all	Mineral		27.4		41.1
Sugar Brute Root-Engt Francisco	Row (42") Over-all	Bandy OF Eandy Loam		12.6	t.	6 21.4
Sugar Seet Females	New (43°) Over-all	Sandy or Sandy Loss		12.6	t•	10.3 21.4
Pintapple	New York	Mineral		25.7	te	51.4
Citrus-Florida	Over-all	Eandy				34.2
Hursery and Field:	Callons Per Ac	Over-al re Te Penet		Yar i	ove :	bepthe
Citrum Fruit Trees Decidupus Fruit Trees Forest Trees Grapes Nut Trees Ornamentals (doop Fo	Sandy Loam Silt Leam Cley Leam	17.1	4 ft 23.9 34.2 58,3 78.7	3	ft 0.8 1.1 1.0	6 ft 37.6 54.7 85.3 116.3

¹ Use the higher rates in heavier seil.

NOTE: To control symphylans (garden contipedes) use only over-all (breadcast) at 21.4 more gallons per acre and apply during lete summer or only fall when soil is worm. To control wirewerms use dosages recommended for nematodes in overall or breadcost treatments.