Reg # 8536-21

PM - 27



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

1913

DEC 16 1994

TOM DUAFALA SOIL CHEMICALS CORP. P.O. BOX 782 HOLLISTER, CA. 95024

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Subject: Label Amendment Submission of 6/27/94 in Response to PR Notice 93-7 EPA Reg. No. 8536-21 PIC-BROM 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 acceptance.



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

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

Attachment

Tom Duafala Ph.D. Soil Chemical Corporation

Comments for: EPA REG. NO. 8536-8,21,22,23

PIC-CLOR 60, PIC-CLOR 15, PIC-CLOR 30, PIC-CLOR 35

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.

4 9 13

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.

PIC-CLOR 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 80%
Chloropicrin 15%
INERT INGREDIENTS: 5%
TOTAL 100%

Contains 8.9 pounds of 1,3-Dichloropropene and 1.58 pounds of chloropicrin per gallon.

ASSEBTED
with COMMENTS
In EPA Letter Dated

DEC 16 1994

Under the Federal Insecticide, Fundicide, and Rodenticide Act se umended, for the posticide registered under EPA Reg. No. 8536-21

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

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 Penel For Additional Precautionary Statements.



Soil Chemicals Corporation PRODUCTS

P.O. BOX 782 + HOLLISTER, CA 95024

E.P.A. EST. 8536 CA-1,2,3,4;FL-1 E.P.A. REG. NO. 8536-21

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

SWALLOWED.
DO NOT GET IN EYES, CAUSES SEVERE EYE INJURY.

DO NOT GET IN EYES, CAUSES SEVERE EYE INJURY.
DO NOT GET ON SKIN, MAY BE FATAL IF ABSORBED THROUGH THE
SKIN, CAUSES SKIN 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
KRITATION UPON PROLONGED CONTACT.
THE USE OF THIS PRODUCT MAY BE HAZARDOUS TO YOUR HEALTH,

THE USE OF THIS PRODUCT MAY BE MAZAROUS 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.

PHOTECTIVE EQUIPMENT SPECIFIED IN THIS LABELING. THIS FUMICANT HAS THE CAPACITY TO CAUSE MARKED IRRITATION TO THE UPPER RESPIRATORY TRACT. A STRONG LACHRYMATOR (TEAR-PRODUCING EYE BRITANT). LOW CONCENTRATIONS ARE CAPABLE OF CAUSING PAINFUL EYE BRITATION. THE EFFECT MAY BE SO 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 chloropicini is 0.1 ppm (0.7 mg/M³). The air concentration level is measured by a direct reading detection device, such as a Matheson-Kilagawa, Draeger, or Sensidyne.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to the product are faired below. If you want more options, follow the instructions for category H on an EPA chemical resistance category selection charl. PPE constructed of Sararey, on an EPA cremical resistance category sees that them contact or splash protection neoprene, and chlorinated polyethylene provide short-term contact or splash protection against squid of this product. Longer-term protection is provided by PPE constructed of Vilon, Tefton, and EVAL barrier laminates (for example, Responder suits manufactured by Lifeguerd or Shersheld gloves manufactured by North). I eather, canvas, or collon materials offer 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-venidated area. They include:
- equipment calibration or adjustment
- equipment cleanup and repair

- product sampling application or soil-sealing outside an enclosed cab any activity less than 6 feet from an unshielded pressurized hose containing this
- removal of larp or plastic film
- rinsale disposal fumigani transfer
- cleanup of small spits

- Clearup of small spirs
 prepaning containers for aeration
 any other handling task not otherwise fisted in (2), (3), or (4) helow
 Applicators and other handlers performing direct-contact tasks must wear;
 Coversits over short-steeved shirt and short panils,
 Chemical-resistant gloves, such as barrier laminale or viton,
 Chemical-resistant footweer plus socks,

- Chemical-resistant headgear for overhead exposure,
- Chemical-resistant apron.
- Cremitairessaian spoon.
 Fülf-face Respirator with either an organic-vapor-removing cartridge with a prefiter approved for pesticides (MSHANIOSH approval number prefix TC-23C), or a cansiter approved for pesticides (MSHANIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of the tabet.
- (2) Handlers In Enclosed Cabs: Applicators and other handlers in enclosed cabs must
- resr: Coveralis,
- Shoes and socks,
 Plus, if odor or initiation from this product can be detected inside the enclosed cab
 the enclosed cab. or the air concentration level of chloropicin exceeds 0.1 ppm inside the encosed cab, handlers in the cab must wear a full face respirator with either an organic-vapor-removing cartridge with a prefiler approved for pesticides (MSHANNOSH approval number prefix TC-20C), or a cantister approved for pesticides (MSHANNOSH NOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of the label.
- the User Satety requirements section of the label.

 In addition, the PPE specified in (1) for direct-contact activities must be immediately available in the enclosed cab and must be worn if the handler leaves the enclosed cab to perform any direct-contact activity. The enclosed cab must meet the equirement's failed in the Worker Protection Standard (MPS) for agricultural activities of the CER ACT (MACCO). pesticides-40 CFR 170 240(d)(5).
- (3) Handlers in Treated Area Within 72 Hours After Application; Only the following handler lasks may be performed in the treated area within 72 hours, after the application
- Assessing/adjusting the soil seal
 Assessing past control, application lechnique, or application efficacy
 Sampling air or soil for this product

All other tasks 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:

- Chemical resistant footwear and socks,
 Plus, if odor or untation from this iproduct, can be detected or if the air concentration level of chloropicrin exceeds 0.1 ppm, handlers, must, wear a full face respirator with either an irrganic-vapor removing cartirings with a prelider approved for peaksides (MSHATIIOSH approval number prelic TC 23C), or a canalar approved for peaksides (MSHATIIOSH approval number prefix TC 14C). See further respirator requirements in the "User Safety Requirements" section of the fabel,

See Requirements Continued In Third Column

Requirements, Continued:

- (4) Handlers Exposed to High Concentrations; Handlers exposed to high airborne concentrations of this product, such as cleanup following large spills, in-tank channy, of bulls lanks, and exposure to this product in poorly vanifiated areas, must wear;
 - Chemical resistant aut.
- Chemical-resistant gloves, such as barrier laminate or vitors, Chemical-resistant footwear plus socks,

- Chemical-resistant headgear,
 Supplied-air respector with MSHANNOSH approval number prefix TC-19C or sefcontained 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 SAPETY REQUIREMENTS

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 cansiters must be replaced daily or when odor 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 transit used 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.

Never Funigate aloner it is imperative to always have an assistant and proper protective equipment in case of accidents.

Drivers Responsibilities: Orlvers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must historic their habours.

workers of all precautions and procedures. In addition, drivers must instruct their helpers in the mechanical operation of the tractor and how to safely work with the tractor and driver white furnicating.

Dispose of Contaminated Clothing; Discard clothing and other ebsorbent materials that have been drenched or heavily contaminated with liquid of this product. Do not

5. Class and Maintain PPE: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use delergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.

Contact With Mouth; Never sphon this product by mouth or use mouth to blow out.

crogged lines, nozzies, elc.

7. Heat Mness Avoidance: Use measures to avoid or minimize heat illness while using this product. These measures include gradual adjustment to heat and respirator stress, tans 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 tobacco, or using the tollet. Permove clothing immediately a pesticide gets inside. Then wash thoroughly and put on clean clothing.

 Remove PPE immediately after handling this product. Wash the outside of gloves
- before removing. As soon as possible, wash thoroughly and change into clean

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

STORAGE, SHIPMENT AND DISPOSAL

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

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

not contaminate lood, seed sichs, origs, or consiste water supplies.

DISPOSAL: Pesticide wastes are toxic, improper disposal of excess pesticide and immates 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-dichloropropiene is corrosive under certain conditions, fluth all application equipment with fuel oit, herosene or a similar type of pelioteum solvent immediately after use. Fill pumps and melera with new motor oil or a 50% motor octuel oil militure before storing. Do not use water. Dispose of rinsate by applicable Federat, State and local regulations. Never introduce rinsate or unused product into surface or underground water supplies. underground water supplies.

METAL CONTAINER DISPOSAL: To dispose of container emptied during application METAL CONTAINER DISPOSAL TO suppose a comment approach operation, remove bungs, invert container in the field just treated and ensure that the container is free of figuid. Orient container such that ventilation of bung holes is not container as the container in the field just treated and ensure that the container is the container in the container in the container is the container in the container in the container is the container in the contain restricted. Allow containers to serate for all least 14 days. Replace bungs pror transport. After aeration, offer container to qualified reconditioner or dispose of as directed by State or local regulations.

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

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

ENVIRONMENTAL HAZARDS

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

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

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: Do not use, pour, spit, or store near heat or open flemes. Do not cut or

DIRECTIONS FOR USE

It is a violation of Federat lew to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 available 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 smainlenance of

WITH ALL BULK AND MINI-BULK CONTAINERS: 1,3-dichloropropens and 1,3-dichloropropens mixed with chloropicrin must be transferred through connecting house, pipes, and/or couplings sufficiently light to prevent handlers or other persons

from coming in contact with Equid 1,3-dichloropropens, and/c, chloropicrin.

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

chion-pictin sage be appropriate for one should be procuriered.

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

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3. The mechanical transfer system must be adequate to make necessity measurements of the positicité being used.

4. Shut-off devices must be installed on the exit end of all hosus and at all disconnect points to prevent leakage of 1,3-dichloropropene and/or chloropicine product, when the transfer is stopped and hose is removed or disconnected. A dry coupler that was michigle positional points and the disconnect point.

5. The pressure in huses used to move 1,3-dichloropropene and/or chloropicin.

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 Star dard, 40 CFR 170. Refer to supplemental labeling under "Agricultural Use Requiements" in the Direction for Use section for information about this standard.

WARRANTY DISCLAIMER

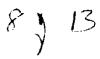
NOTICE: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to tabel instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to actier, and buyer assumes the risk of any such use.

INHERENT RISKS OF USE: It is impossible to eliminate all risks associated with use of 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 booklet instructions (including conditions noted on the label and label booklet, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, 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 da 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 limited 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 fabble 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 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 selfer is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

CA Apr., 1914





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 STORACE, SHIPMENT AND DISPOSAL;
PRECAUTIONARY INFORMATION, INCLUDING REQUIREMENTS FOR
PÉTISONAL PROTECTIVE EQUIPMENT; ENGINEERING CONTROL AND
REQUIREMENTS; AND ACRICULTURAL USE REQUIREMENTS.

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-Dichloropropena 80% Chloropicrin 15% **INERT INGREDIENTS:** TOTAL 100%

Contains 8.9 pounds of 1,3-Dichloropropone and 1,58 pounds of chloropicnia per garlon,



Soil Chemicals Corporation **PRODUCTS**

P.O. DOX 782 - HOLLISTER, CA 95024

E.P.A. EST. 8536-CA-1,2,3,4;FL-1 E.P.A. REG. NO. 8536-21

NET CONTENTS LBS.

KEEP OUT OF REACH OF CHILDREN

DANGER



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 white 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 soll, 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, endotractival 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

SWALLOWED,

DO NOT GET IN EYES. CAUSES SEVERE EYE MJURY.

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

DO NOT BREATHE VAPOR. MAY BE FATAL IF MHALED, MAY CAUSE
LUNG, LIVER, AND KIDNEY DAMAGE AND RESPIRATORY SYSTEM
IRRITATION UPON PROLONCED CONTACT.

IRBITATION UPON PROLONCED CONTACT.
THE ULE OF THIS PRODUCT MAY BE INZARDOUS TO YOUR HEALTH,
THIS PRODUCT CONTAINS 1,3-DICHLOROPROPENE, WHICH HAS BEEN
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CAN DE REDUCED BY EXACTLY FOLLOWING DIRECTIONS FOR USE,
PRECAUTIONARY STATEMENTS, AND BY WEARING THE PERSONAL
PROTECTIVE EQUIPMENT SPECIFIED IN THIS LABELING.
THIS FUMICANT HAS THE CAPACITY TO CAUSE MARKED IRRITATION
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AIR CONCENTRATION LEVEL

The exceptable air concentration level for persons exposed to chloropicini is 0.5 ppm (0.7 mg/M²). The air concentration level is measured by a direct reading detection device, such as a Matheson-Keagawa, Draeger, or Sensidyne.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to this product are fated below, if you want more options, follow the instructions for category H on an EPA chemical resistance category selection chart, PPE constructed of Saranex. neoprere, and chlorinated polyethylene provide short-term contact or splash protection against figure of this product. Longer-term protection is provided by PPE constructed of Vaon, Tefon, and EVAL barrier laminates (for example, Responder suks manufactured by Lde-goard or Sivershield gloves manufactured by North). Leather, canvas, or collon materials offer no protection from this product and must not be worm when contact with

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

- product sampling any public an enclosed cab any ectivity tess than 6 feet from an unshielded pressurized hose containing this
- removal of larp or plastic film rinsale discosal
- funiçant transfer
- chanup of small spills
- preparing containers for agration
 any other handing task not otherwise fished in (2), (3), or (4) below
 Applicators and other handlers performing direct-contact tasks must wear;
- Coverate over short-sleeved shirt and short pants,
- Chemical-resistant gloves, such as barrier laminate or viton, Chemical-resistant footwear plus socks,
- Chemical resistant headgear for overhead exposure,
- Chemical-resistent appoint.

 Chemical-resistent appoint.

 Fut face Respirator with either an organic-vapor-removing cartridge with a prefiter approved for pesticides. (INSHAMNIOSH approval number prefix TC-23C), or a canister approved for pesticides. (INSHAMNIOSH approval number perfix TC-18C). 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
- Coveratis,
- Shoes and socks.
- Shoes and socks,
 Pius, if odor or initiation from this product can be detected inside the enclosed cab or if the air concentration sevet of chloropicrin exceeds 0.1 ppm. Inside the enclosed cab, handers in the cab must, wear a full-face respirator with either an organic-vapor-removing cartridge with a prefater approved for pesticides (MSHANIOSH approval number prefix TC-14G), or a canister approved for pesticides (MSHANIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of the tabal, in addition, the PPE specified in (1) for direct-confact activities must be immediately available in the enclosed cab and must be worn if the handler leaves the enclosed cab to perform any direct-confact activity. The enclosed cab must meet the requirements fisted in the Worker Protection Standard (WPS) for agricultural pesticides-40 CFR 170.240(dyS).
- (3) Handlers in Treated Area Within 72 Hours After Application; Only the following handler tasks may be performed in the freated area within 72 hours, after the application. la complete:
- Assessing/adjusting the soil seet
 Assessing post control, application technique, or application efficacy
 Sampling air or soil for this product.

- All other lasks are prohibited until the 72 hour period, has expired. Unless in an enclosed cables described in (2) above, handlers performing the above tasks in the treated area within 72 hours after application must ween.
- Coverats, Chemical resistant gloves such as barrier laminate or viton,

Chemical revistant featwear and socks, Flus, if odor or viriation from this iproduct can be detected or if the air concentration level of chloropings exceeds 0.1 ppm, handlers, must, wear a full face respirator with ever of choopers exceeds 0.1 ppm, handers must wear a tuster respective with either an organic vapor removing cartridge with a prefixe approved for pesticides (MSHANIOSH approval number prefix TC-73C), or a canaller approved for pesticides (MSHANIOSH approval number prefix TC-14G), See further respirator requirements in the TUSER Safety Requirements' section of the label.

See Requirements Continued in Third Column

Regularments, Continued:

- (4) Handlers Exposed to High Concentrations; Handlers exposed to high airborns Concentrations of Ithe product, such as cleanup following large spills, in lank cleaning of bulk tanks, and exposure to this product in poorly ventilated areas, must wear:
- Chemical-resistant sult.
- Chemical resistant gloves, such as barrier laminate or viton, Chemical-resistant footweer plus socks,
- Chemical-resistant headgear
- Supplied-air respirator with MSHANIXOSH approval number prefix TC-19C or set-contained breathing apparatus (SCBA) with MSHANIXOSH approval number prefix TC-13F. See further respirator requirements in the "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). Full face respirators must be worm, (b). Cartridges or canisters must be repliced daily or when odor or irritation from this product becomes apparent, which wer is sooner, (c). Respirators must be fall-tested and fachecked 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 assented as a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134). (e). Respirator users must be assented as 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 profestive excitones.

rolective equipment in case of accidents, Drivers Responsibilities: Drivers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must instruct their helpers in the mechanical operation of the tractor and how to safety work with the tractor and

4. Dispose of Contaminated Clothing: Discard ciathing and other absorbent materials that have been drenched or heavily contaminated with liquid of this product. Do not euse them.

Clean and Maintain PPE: Follow manufacturer's instructions for cleaning/maintain. ing PPE. If no such instructions for washables, use delergent and hot water. Keep and wash PPE separately 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

clogged lines, nozzies, elc.

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before ealing, drinking, chewing gum, using lobacco, or using the foliet, Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put
- on clean clothing.

 Remove PPE immediately after handing this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean

EMERGENCY: In case of an amergency endangering health or the environing 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, drugs or dollring.

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

DISPOSAL: Pesticide waster are toxic. Improper disposal of excess pesticide and rinsales is a violation of Federal law. If these waster cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for publishers. agency, or the hazaroous waste representative at the new set CPA regions unless to guidance. Because 1,3-dichitoropropene is corrosive under certain conditions, flush all application equipment with fuel oil, kerosene or a similar type of petroleum solvent immedi lety after use. Fill prumps and melers with new motor oil or a 50% motor odifur-of mirture before storing. Do not use water. Dispose of rinsate by applicable Federal, State and local regulations. Never introduce rinsate or unused product into surface or

METAL CONTAINER DISPOSAL: To depose 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 venilation of bung holes is not restricted. Allow containers to aerate for at least 14 days. Replace bungs pror to transport. Allow aeration, offer container to qualified reconditioner or dispose of as directed by State or local regulations.

Conlect the company and/or the company REFILLABLE CONTAINERS: epresentative for directions on cleaning and handling relias

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

ENVIRONMENTAL HAZARDS

To not contaminate water by cleaning of equipment or disposal of wastes. See "Storage, Shipment and Disposal" aection. In case of spile, properly dispose of contaminated

Ground Water Advisory: 1,3-dichkropropene is known to move through soil and under certain conditions has the potential to reach ground water as a result of agricultural use.

Application in areas where sole are permeable and ground water is near the surface, or in karst geology, could result in ground water contamination,

PHYSICAL OR CHEMICAL HAZARDS

FLAMMARILE: Do not use, pour, spill, or slore near heat or open flames. Do not cut or

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift, Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 available 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

the system.

WITH ALL BULK AND MINI-BULK CONTAINERS; 1,3-dichloropropene and
1,3-dichloropropene mixed with chloropicirin must be transferred through connecting
hoses, pipes, ender couplings sufficiently light to prevent handlers or other persons
from coming in contact with liquid 1,3-dichloropropene, and/or chloropicirin.

1. All hoses, piping, and lanks used in connection with 1,3-dichloropropene and/or
chloropiciris shall be appropriate for use under the pressure and vacuum conditions to
he appropriated.

External sight pauges shall be equipped with valves so that place to sight gauge can be shul 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. Shul-off devices must be installed on the exit end of all hoses and at all disconnect. points to prevent leakage of 1,3-dichkropropene and/or chloropicins product when the transfer is stopped and hose is removed or disconnected. A dry coupler that will minimize positicide leakage must be installed at the disconnect point.

5. The pressure in hoses used to move 1,3-dichkropropene and/or chloropicin 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 requirements for the protection of Standard, 40 CPR 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 in this labeling about personal protective equipment, restricted-entry intervals, and notification to workers. The requirements in this box only apply to uses of this product their are covered by the Worker Protection Standard (WPS). apply to thes or one product intelline covered by the stronger processor standard (error).

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 is performing a handling task permitted on this labeling—is PROHIBITED from the start of application until 72 hours afte application. In addition, if target are used for the application, non-handler entry is prohibited white target are being removed.

application, non-handler entry is prohibled while tarps are being removed.

NOTIFICATION: Notify workers of the application by warning them orally and by posting furnigant warning signs at entrances to treated areas. The signs must bear the skull and crossbones symbol and state: (1) "OANGER/PELEGRO," (2) "Area under furnigation, OO NOT ENTER/NO ENTRE," (3) the date and time of furnigation, (4) 1,3-Dichloropropene and Cho-ropicns furnigants in use, and (5) name, address, and lelephone number of the applicator. Post the furnigant warning sign instead of the WPS sign for this application, but follow at WPS requirements pertaining to location, legibility, size, and liming of posting and reminal.

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

that is permitted by this labeling is listed in the "Hazards to Humans and Domestic Animals" section of this labeling."

WARRANTY DISCLAIMER

NOTICE: Seller warrants that tris product conforms to the chemical description on the label and is reasonably fil for the purposes stated on the label when used in accordance with directions and is reasonably in for the purposes stated on the table where used in accordance with own or increase under normal conditions of use, but neither this wirranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR P. IRPOSE, express or implied, extends to the use of this product contrary to table instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seler, and buyer assumes the risk of any such use,

INHERENT RISKS OF USE: It is impossible to eliminate all risks associated with use INHERENT RIGHTS UP USE: It is impossible to enrante at risks associated with use of this product. Groy injury, lack of performance, or other unintended consequences may rest 4 because of such factors as use of the product contrary to label and label blookle instructions (including conditions noted on the label and label blooklet, such as unfavorable imperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, lornadoes, hurricanes), presence of other materials, 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 the product (including claims based on contract, negligence, shall be limited to, at the company's election, one of the following: (1) Refund of puchase price paid by buyer or user for product bought, or, (2) Replacement of an sount of product used. The company shall not be lable for incises or damage resulting from hand or use of this product writes the company is promptly notified of such loss or damage in writing. In rolcase shall the company be liable for consequential or incidental damages or losses. The forms of the Warranty Declaimer above and this Limitation of Remedies cannot be varied by any writien or verbal statement or regreements. No empirise or sales agent of the company or the seller is authorized to vary or exceed the terms of the Warranty (textiamer or this Limitation of Remedies in any manner).

GENERAL INFORMATION

This product is a muti-purp se liquid furnigant for preplant treatment of soil to control nematodes, symphylans, wireworms and certain soil borne diseases in crootand.

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 nematodes, as successful furnigation cannot be expected to eradicate entire populations. Therefore, post-treatment sampling is recommended to determine the need for additional pest management practices.

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

GENERAL USE PRECAUTIONS

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

FORMULATOR USE OF 1,3-DICHLOROPROPENE:

Eabeling for end use products containing 1,3-dichloropropene that are prepared and sold by formulators must comply with all procautionary statements, use precautions, 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 furnigation. It will not control pests that are introduced into soil after furnigation. To avoid reinfestation of treated soil do not use irrigation water, transplants, seed pieces, or equipment that could carry soil borne pests from intested land. Avoid contamination from moving intested soil onto treated beds through cultivation, movement of soil from below the treated zone, dumping contaminated tare soil in treated fields and soil contamination from equipment or crop remains. Clean equipment carefully before entering treated fields.

BULK TRANSFERS:

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

To not use containers, pumps or other transfer equipment 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-dichloropropene is corrosive under certain conditions, flush all application equipment with fuel oil, kerosene or a similar type of perfoleration solvent immediately after use. Fell pumps and meters with new motor oil or a 50% motor oilfuel oil mixture before storing. Do not use water. Dispose of rinsate by incorporation 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 imigation system

FERTILITY INTERACTIONS:

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

To avoid ammonia injury or intrate starvation (or both) to crops grown on high organic soils, do not use fartifizers 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 fertilizers containing ammonium salls 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 lumigation may stimulate nutrication and reduce the possibility of ammonia toxicity. Certain nursery crops such as citrus seedings, Cornus sp., Crataegus sp., spn.ce, and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this possible effect, it is suggested that additional phosphate fertitizer (foliar applied) is recommended where expenence indicates a deficiency may ordur.

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 furnigant as a gas through the soil normally give best results. Because this product does not provide residual convol 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: Soil temperature 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 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. Soil moisture throughout the desired treatment zone should be at or near the permanent witting point to allow optimum dispersion of the furnigant, which moves as a gas through the soil air spaces. The permanent witting 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 returned and effectiveness of the treatment will be reduced. Previous and/or local 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 serve as a guide to conditions that will be acceptable. If you do not know now 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 impation 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 imigation to wet the top 1 to 2 inches of soil may be useful.

SOIL PREFARATION: 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 pests 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 lie flat 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 results.

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 to deep-rooted plants, such as perential finit 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 inper-type, forward-swept shanks. Noble plow equipment is particularly useful for fall furnigation when the sol still contains some standing undecomposed plant material. Subsoling may be necessary before application as described under "Soil Preparation". Choose application equipment which above 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 soil-shattering capability of the chisels. The maximum outlet spacing should not exceed 24 inches. With observable equipment 4.12-inch outlet spacing is recommended. Du not exceed an outlet spacing of 18 inches. With Noble (sweep) play equipment use an outlet spacing of 9-12 inches along the sweeps.

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

ROW APPLICATION: Use chisel equipment to treat a band 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) is to 12 inches apart and divide the flow rates equally between the two outlets. Regardless of the number of chisels used, the amount of furnigant applied per 1000 feet of plant row should remain the same. With certain deeper rooted crops such as potatoes and sugar beets, 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 gattons per scre rates for broadcast treatment.

APPLICATION METHODS AND EQUIPMENT (Continued):

To prevent seed germination problems caused by improper seed-to-soll 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 farrow. When two chisels are used per plant row, plant the seed offset from the chisel trace.

SEALING THE SOIL AFTER APPLICATION: Immediately after chisal 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 lumigation), 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 ruland the rate of furnigant loss 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 disrupting chisel or plow traces.

For Row Treatment, forming the beds at the time of application should be accomplished in a manner that places the furnigant at least 12 inches from the nearest soil/air interface. The closest soil/air interface could be the furnow for multiple knife applications or the top of the bed for single knife 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 polyethylene, over the entire area or in strips. Use of a film to seal the soil surface does not eliminate the need to eliminate chisol traces prior to application of the plastic film unless simultaneous application and tarp laying by the same piece of equipment occurs and the tarp is a minimum of 1 mil 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 lillings 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 well and for deep-rooted time, should and vine planting sites.

After the furnigation interval, to prevent phytotoxicity, allow the furnigant to dissipate completely before planting the crop. Under optimum soil conditions for dissipation, I week for each 10 gallons/acre is recommended. For fruit, nut, and nursery crops at least three months should elapse between treatment and planting. To hasten dissipation, especially if heavy rains or low temperatures occur during the treatment period, till the soil to the depth of furnigant application. Use a knife-tike 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

PIC-CLOR 15 is a preplant soil furnigant for control of soil-borne pests such as wireworms and nematodes, and diseases caused by certain species of Rhizoctonia, Pythium, Fusarium, Phytophthora, and Verticillium. PIC-CLOR 15 is to be used in soil to be planted to the crops listed below.

APPLICATION RATES PIC-CLOR 15

Crop Brussel Sprouts Cucumbers Eggplant Floral Crops Helons Nursery Crops	Type of Treatment Over-all (Broadcast)	Soil Type Hineral Huck or peat	Gallons Per Acrel	
			10.3 to 27.4 to	17.1 41.1
Onions	Over-all (Broadcast)	Hineral	24.0 to	27.5
Plant and Seed Beds Radishes	Over-all (Broadcast)	Hineral Huck or peat	10.3 to 27.4 to	17.1 41.1
Strawberries	Over-all (Broadcast)	Hineral	27.4 to	41.1
Sweet Potatoes	Over-all (Broadcast)	Mineral	24.0 to	27.5
Tomatoes	Over-all (Broadcast)	Mineral Muck or peat	10.3 to 27.4 to	17.1 41.1

¹ Use the higher rates in heavier soil.

NOTE:

a. Use highest rate on heavy soils such as cla; or muck and lowest rate on light sandy soils.

b. Use highest rate for cyst-forming nemstodes and Verticillium wilt control.

c. Row or bed applications may be made at the broadcast rates, but the amount used will be proportionately less per acre depending on the row spacing and width of treatment in the row or bed