NOV 25 1996

Tom Duafala, Ph.D. Trical P.O. Box 1327 Hollister, CA 95024

Dear Dr. Duafala:

Subject: Request to Amend Telone Registrations in Response to

Telone Negotiations

Tri-Form 30

EPA Registration No. 11220-21

Your Submissions Dated September 23 and November 7, 1996

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

- 1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. In the Engineering Control Requirements section the reference to "Telone Soil Fumigants A Guide to Application" makes this part of the labeling for the product and it must be submitted for Agency review and approval.
 - b. When printing the label assure that on the front panel POISON is the color red on a background of distinctly contrasting color.
- 2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

The amended labeling supersedes all previously accepted labeling.

Sincerely yours,

AM

Philip V. Errico
Acting Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

cc: Lisa Nisenson

Special Review Branch

Special Review and Reregistration Branch (7508W)

RESTRICTED USE PESTICIDE

DUE TO HIGH ACUTE INHALATION TOXICITY AND CARCINOGENICITY 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

TRI-FORM 30

A MULTI-PURPOSE LIQUID FUMIGANT

FOR PREPLANT TREATMENT OF SOIL TO CONTROL NEMATODES, SYMPHYLANS, WIREWORMS AND CERTAIN SOIL BORNE DISEASES IN CROPLAND. NOT FOR USE IN GREENHOUSES OR OTHER ENCLOSED AREAS

ACTIVE INGREDIENTS:

1,3-Dichloropropene

65.8%

Chloropicrin

30.0%

INERT INGREDIENTS:

·TOTAL

One gallon of Tri-Form 30 weighs about 11.0 pounds.

Contains 7.2 pounds of 1,3-Dichloropropene and 3.3 pounds of chloropicrin per gallon.

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

Peligro: Si usted no entiende la eliqueta, busque a alguien para que se la explique a usled en detaile. (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

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 lowel 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 cause 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

See Side Panel For Additional Precautionary Statements.

TRICAL

P.O. Box 1327, Hollister, CA 95024

ACCEPTED with COMMENTS In EFA Letter Dated

E.P.A. EST.11220-CA-1,2,3,4;FL-1 E.P.A. REG. NO.11220-21

NET CONTENTS LBS.

NOV 25 1996

Under the Federal Insecticide. Fundicide, and Rodenticide Act as amended, for the pesticide regionered under EPA Reg. No.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER **PELIGRO** HAZARDOUS LIQUID AND VAPOR.

DO NOT SWALLOW ANY OF THIS PRODUCT. MAY BE FATALIF SWALLOWED-

* DO NOT SWALLOW ARY OF THIS PRODUCT. MAY BE FATAL IF SWALLOWED.

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 IRRITATION 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 THINIGANT HAS THE CAPACITY TO CAUSE MARKED IRRITATION TO THE UPPER RESPIRATORY TRACT. A STRONG LACHRYMATOR (TEAR-PRODUCING EYE IRRITATION). LOW CONCENTRATIONS ARE CAPABLE OF CAUSING PAINFUL EYE IRRITATION. THE EFFECT MAY BE SO POWERFUL THAT A PERSON MAY BECOME TEMPORARLY BLINDED AND PANIC-STRICKEN. THAT, IN TURN, MAY LEAD TO ACCIDENTS.

AIR CONCENTRATION LEVEL

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

PERSONAL PROTECTIVE EQUIPMENT(PPE)

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Chemical-Resislant Materials: Some materials that are chemical-resislant to this product are fisted below. If you want more options, follow the instructions for category H on an EPA chemical resislance category selection chart. PPE constructed of Saranex, neoprene, and choinated polyethylene provide short-term contact or splash protection against fugid in this product. Longer-term protection is provided by PPE constructed of Viton, Tellon, and EVAL barrier laminates (for example, Responder suits manufactured by Life-guard or Sivershield gloves manufactured by North). Where chemical-resistant materials are required, leather, carvas, or cotton materials offer no protection from this product and must not be worn when contact with this product is possible. Coverals must be loose-filling and constructed of woven fabrics (e.g. light knot colton or cotton/polyester), non-woven fabrics (e.g. Tyvek or Sontara), or fabrics containing microporous tellon. หเร lei⁵∽

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

equipment calibration or adjustment

oculoment cleanup and repaid

- product sampling
 any activity less than 6 feet from an unshielded pressurized hose containing this
- removal of tarp or plastic film rinsale disposal

minsate disposat

furnigant transfer

cleanup of small spits

preparing containers for aerallon

my other handling task not otherwise isled in (2), (3), (4) or (5) below.

Handlers performing direct-contact tasks must wear; (a) Coverats over short-sleeved shirt and short pants; (b) Chemical-resistant gloves, such as barrier laminate (EVAL) or vitor; (c) Chemical-resistant footwear plus socks; (d) Chemical-resistant headgear for overhead exposure; (e) Chemical-resistant apron; (f) A full-face respirator with either an organic-vapor-removing cariridge with a prefilter approved for pesticides (MSHANIOSH approval number prefix TC-13C), or canister approved for pesticides (MSHANIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section of this label.

(2) Handlers in Enclosed Cabs: Applicators and other handlers in enclosed cabs must wear; (a)Coveratis; (b) Shoes and socks; (c) A full-face respirator with either an

(2) Handlers in Enclosed Cabs: Applicators and other handlers in enclosed cabs must wear: (a)Coveralis; (b) Shoes and socks; (c) A full-face respirator with either an organic-vapor-removing cartridge with a profiler approved for postickles (MSHANNOSH approval number prefix TC-23C), or canister approved for pestickles (MSHANNOSH approval number prefix TC-14G). A respirator is not required the occupants are within an enclosed cab that is in conformance with one of the following: (1) ASAE Standard S525 sections 7.1.5, 7.1.7, 7.2.3, and 9, or 2) the requirements is ted in the Worker Protection Standard (WPS) for agricultural posticides—40 CFR 170.240(d)5. The cab must be equipped with a vapor-adsorptive filter containing a minimum of 1000 grams activated charcoat. The filter must be changed after no more than 50 hours of applications time. See further respirator requirements in the "User Safety Requirements" section of this labet; (d) in addition, the PPE specified in (1) for direction tactivities must be immediately available in the enclosed cab and must be worn

Requirements" section of this labet, (d) in addition, the PPE specified in (1) for directcontact activities must be immediately available in the enclosed cats and must be worn it
the handler leaves the enclosed cab to perform any direct-contact activity.

(3) Applicators Outside an Enclosed Cab: Applicators applying this soil
furnigant product (or sealing the soil following application of this product) who are not
inside an enclosed cab that meets requirements specified above must wear.

(a) Coveralts over short-sleeved shirt and short pants; (b) Chemical-resistant floevear plus socks; (d)
Chemical-resistant headgear for overhead exposure, (e) A full-face respirator with either
an organic-vapor-removing cartridge with a prefilter approved for pesticides
(MSHANNOSH approval number prefix TC-13C) or canister approved for pesticides
(MSHANNOSH approval number prefix TC-13C). See further respirator requirements in
the "User Safety Requirements" section on this label.

(4) Handlers in Treated Area Within 5 Days After AppScalion: Only the following
handler lasks may be performed in the treated area within 5 days after the application is

(4) Handfors in Treated Area Within 5 Days After Application: Only the following handler lasks may be performed in the treated area within 5 days after the application is complete: (a) Assessing/adjusting the soil seals (b) Assessing past control, application lochnique, or application efficacy+ (c) Sampling air or soil for this product.

All other tasks are prohibited until the 5 day period has explred. Unless in an enclosed cab as described in (2) above, handlers performing the above tasks in the treated area within 5 days after application must wear; (a) Coveralis; (b) Chemical-resistant gloves, such as barrier laminate (EVAL) or vixon; (c) Chemical-resistant gloves, such as barrier laminate (EVAL) or vixon; (c) Chemical-resistant gloves, such as barrier laminate (EVAL) or vixon; (d) Chemical-resistant gloves, and as a province of the control of t

See Requirements Continued in Third Column

Requirements, Continued:

(5) Handlers Exposed to High Concentrations: Handlers exposed to high airborne concentrations of this product, such as cleanup following large spills and exposure to this product in poorly ventilated areas, must wear: (a) Chemical-resistant suit, (b) Chemical-resistant gloves, such as barrier laminate (EVAL) or viton; (c) Chemical-Commission reasonal goves, such as barrer saminate (EVAL) or when, (c) Commission resistant footwear pits socks; (d) Chemical-resistant headgear; (a) Supplied-air respirator with MSHA/NIOSH approval number prefix TC-19C or self-contained breathing apparatus (SCBA) with MSHA/NIOSH approval number prefix TC-19F. See further respirator requirements in the "User Safaty Requirements" section of this

NOTE: In-tank cloaning of bulk tanks must be performed only by persons who have been specifically trained for this activity according to OSHA guidelines as described in 29 CFR Part 1910.146. Refer to Application Guide section on storage tanks.

USER SAFETY REQUIREMENTS

- 1. Respirator Requirements: When a respirator is required for use with this product, 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 canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner; (c) Respirators must be R-lested and R-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 availabled 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 safety ear the style of respirator to be worn.
- 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: Drivers of application equipment must advise other workers of all procaultions 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
- In the Heathermone operation of the Heathermone of
- Found them.

 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 laundry. Wash PPE after each day's use.

 5. Contact With Mouth: Never siphon this product by mouth or use mouth to blow out
- clogged lines, nozzles, etc.
- 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 vasts, 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 eating, drinking, chewing gum, using lobacco, or using the toilet.
 Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put
- on clean clothing.

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

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. See "Storage, Shipment and Disposal" section. In case of spills,

properly dispose of contaminated materials.

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 karst geology, could result in ground water contamination,

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: Do not use, pour, spill, or slore near heat or open flames. Do not cut or weld container.

STORAGE, SHIPMENT AND DISPOSAL

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

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

DISPOSAL: Postickie wastes are toxic, Improper disposal of excess pasticide and ringalos is a viciation of Fodoral law. If these wastes cannot be disposed of by use according to tabel instructions, contact your state posticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for agency, or the nezarous waste representative at the nearest EPA regional order for guidance. Because 1,3-dichloropropene is corrosive under certain conditions, flush all application equipment with fuel oil, kerosene or a similar type of politoleum solvent immodulely after use. Fill pumps and melers with new motor oil or a 50% motor oil/fuel of mixture before storing. Do not use water. Oispose of rinsate by applicable Federal, State and local regulations. Never introduce rinsate 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 tree of liquid. Orient container such that ventitation of bung holes is not restricted. Allow containers to areate for at least 14 days, Replace bungs prior to transport. After aeration, ofer container to qualified reconditioner or dispose of as directed by State or local regulations.

REFILLABLE CONTAINERS: Follow cleaning and handling directions in the Telone

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 follow instructions on proper operation of the system found in the Teletine Sox Fundants - A Guide to Application" manual. Contact your product distributor for more information of these materials.

END-ROW SPILLAGE CONTROL: The dispensing system must shut off the feed stream when chisels are raised out of the ground. Do not stop or park near any area where dribble from chisel lips has failen. The applicator must follow instructions on proper operation and maintenance of the system found in the "Telone Soi Fumigants - A Guide to Application" manual. Contact your product distributor for more information or these materials, (1). A flow shutoff device must be placed as close as is tochnically feasible to the fluid discharge point. This can be a ball, poppet, or disphragm check valve, or full flow shutoff device such as an electric or peneumatically actuated valve. (2). Check valves must be preferred inspectately forefrenew (deposits). (3) Place Applications are replaced inspectations. valvo, or full flow shutoff device such as an electric or peneumatically actualed valve. (2), Check valves must be replaced immediately if continuous drip occurs. (3), Place check valve above the orifice. (4), Isolate the check valve from upstream pressure by installing a main line shut off or bypass valve prior to the manifold. (5). Do not exceed 1/4 inch diameter tubing. (6), Do not use any method of end-row spillage control other ban that stated on this labet. (7). An alternative to shutoff devices is a purge system which clear the line of all fiquid. Consult your product representative for purge system description. Do not use any method of end-row spillage control other than that stated on this labet.

WITH ALL BULK AND MINI-BULK CONTAINERS: This product must be transferred through connecting hoses, pipes, and/or couplings sufficiently light to prevent workers or other persons from coming is contact with the Rould product.

1. All hoses, piping, and lanks used in connection with this product shall be of type appropriate for use under the pressure and vacuum conditions to be encountered.

2. 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 measurements of the president before transfer.

- ments of the posticide being used.
- ments of the pessone being cross.

 4. Shul-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of this product when the transfer is stopped and hose is removed or disconnected. A day coupler that will minimize pesticide leakage must be installed at the disconnect point.

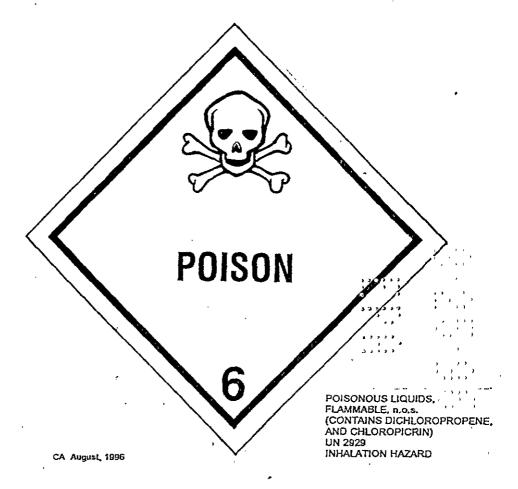
 5. The pressure in hoses used to move this product beyond a pump must not exceed-
- facturer's maximum pressure specification.-

DIRECTIONS FOR USE

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

AGRICULTURAL USE REQUIREMENTS

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



NOTICE: READ THE ENTIRE LABEL AND LABEL BOOKLET. USE ONLY ACCORDING TO LABEL AND LABEL BOOKLET DIRECTIONS. BEFORE BUYING OR USING THIS PRODUCT, READ "WARRANTY DISCLAIMER" AND "LIMITATION OF REMEDIES".

REFER TO LABEL BOOKLET FOR ADDITIONAL PRECAUTIONARY INFORMATION AND

WARRANTY DISCLAIMER

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 strict accordance with directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE: it is impossible to eliminate all risks associated with use of this product. Crop Injury, lack of performance, or other uninhended consequences may result because of such factors as use of the product contrary to tabel instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), shormal conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), shormal conditions (such as accessive reinfall, drought, ternadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the seller. All such risks shall be assumed by buyer.

LIMITATION OF REMEDIES: The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict lability, or other legal lineories), shall be limited to, at the company's election, one of the following: (1) Return of purchase price paid by buyer or user for product bought; or, (2) Replacement of amount of product used. The company shall not be lable for losses or damages resulting from handing 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 consequentiat or incidental damages or losses. The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any writine or verbal statement or agreements. No employee or sales agent of the company of the solver is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies



80415

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DUE TO HIGH ACUTE INHALATION TOXICITY AND CARCINOGENICITY 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

LABEL BOOKLET

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

TRI-FORM 30

MULTI-PURPOSE LIQUID FUMIGANT FOR PREPLANT TREATMENT OF SOIL TO CONTROL NEMATODES, SYMPHYLANS, WIREWORMS AND CERTAIN SOIL BORNE DISEASES IN CROPLAND, NOT FOR USE IN GREENHOUSES OR OTHER ENCLOSED AREAS.

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TRICAL

P.O. Box 1327, Hollister, CA 95024E.P.A.

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NET CONTENTS LBS.

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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 lowel 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.

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- removal of larp or plastic film
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- preparing containers for seration

e cleanup of small spills preparing containers for seration any other handling task not otherwise Isted in (2), (3), (4) or (5) below. Handlers performing direct-contact tasks must wear; (a) Coveralis over short-sleaved shirt and short panis; (b) Chemical-resistant gloves, such as barrier laminate (EVAL) or vitor; (c) Chemical-resistant footwear plus socks; (d) Chemical-resistant headgear for overhead exposure; (e) Chemical-resistant apron; (f) A fulf-face respirator with either an organic-vapor-removing cartridge with a profiler approved for posticides (MSHANIOSH approval number prefix TC-23C), or canister approved for posticides (MSHANIOSH approval number prefix TC-23C), or canister approved for posticides (MSHANIOSH approval number prefix TC-14G). See further respirator requirements in the "Usor Safety Requirements" section of this label.

(2) Handlers in Enclosed Cabst: Applicators and other handlers in enclosed cabs must wear: (a)Coveralis; (b) Shoes and socks; (c) A fulf-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for posticides (MSHANIOSH approval number prefix TC-23C), or canister approved for posticides (MSHANIOSH approval number prefix TC-24G). A respirator is not required if the occupants are within an enclosed cab that is in conformance with one of the following: (1) ASAE Standard SS25 sections 7.1.5, 7.1.7, 7.2.3, and 9, or 2) the requirements fetted in the Worker Protection Standard (WPS) for agricultural posticides—40 CFR 170.240(d)(5). The cab must be equipped with a vapor-adsorptive filter containing a minimum of 1000 grams activated charcoal. The filter must be changed after no more than 50 hours of applications time. See further respirator requirements in the "User Safety Requirements" section of this labet, (d) in addition, the PPE specified in (1) for direct-contact activity.

(3) Applicators Outside an Enclosed Cab: Applicators applying this soft temperature of the filter and following profication of this trouvel, who are not

(3) Applicators Outside an Enclosed Cab: Applicators applying this soil fumignifproduct (or sealing the soil following application of this product) who are not inside an enclosed cab that meets requirements specified above must wear:

inside an enclosed cab that meets requirements specified above must wear.

(a) Coveralis over short-slewed shirt and short pents; (b) Chemical-resistant gloves, such as barrier laminate (EVAL) or viton; (c) Chemical-resistant footwear plus socks; (d) Chemical-resistant headgest for overhead exposure, (e) A full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for posticides (MSHANIOSH approval number prefix TC-14G). See further respirator requirements in

(MSHANIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section on this label.

(4) Handlors in Treated Area Within 5 Days After Application: Only the following handler lasks may be performed in the treated area within 5 days after the application is complete; (a) Assessing/adjusting the soil seals (b) Assessing post control, application technique, or application efficacys (c) Sampling alt or soil for this product.

All other tasks are prohibited until the 5 day period has expired. Unless in an enclosed cab as described in (2) above, handlers performing the above tasks in the treated area within 5 days after application must weer; (s) Coverais; (b) Chemical-resistant gloves, such as barrier taminate (EVAL) or vitors (c) Chemical-resistant footwear and socks; (d) A full-face respirator with either an organic-vapor-removing cardridge with a prefiter approved for posticides (MSHANIOSH approval number prefix TC-23C), or canister approved for posticides (MSHANIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section on this labet.

See Requirements Continued in Third Column

Requirements, Continued:

(5) Handlers Exposed to High Concentrations: Handlers exposed to high airborne (5) Handlers Exposed to High Concentrations: Handlers exposed to high alrhome concentrations of this product, such as cleanup following large spils and exposure to this product in poorly ventitated areas, must wear: (a) Chemical-resistant suck; (b) Chemical-resistant gloves, such as barrier laminate (EVAL) or viton; (c) Chemical-resistant footwear plus socks; (d) Chemical-resistant headgear; (e) Supplied-air respirator with MSHA/NIOSH approval number prefix TC-19C respirator breathing apparatus (SCBA) with MSHA/NIOSH approval number prefix TC-13F. See further respirator requirements in the "User Safety Requirements" section of this label.

NOTE: In-tank cleaning of bulk tanks must be performed only by persons who have been specifically trained for this activity according to OSHA guidelines as described in 29 CFR Part 1910.146. Rofer to Application Guide section on storage tanks.

USER SAFETY REQUIREMENTS

- 1. Respirator Requirements: When a respirator is required for use with this product, is required for use with this product, the following criteria must be most. A) Fulf-face respirators must be write (b), Cartridges or canisters must be replaced daily or when odor or imitation from this product becomes appeared, whichever is sooner (c) Respirators must be fill-lested and fill-checked using a program that conforms to OSHA's requirements (described in 29 CR). Part 1910.1341; (d) Respirator users must be trained using a program that conforms lo 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 Fumigate 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 helpers in the mechanical operation of the tractor and how to safely work with the tractor and
- drive while fundgating.

 4. Dispose of Contaminated Clothing: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not
- rouse frem.

 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 laundry. Wash PPE after each day's use.

 6. Contact With Mouth: Never sphon this product by mouth or use mouth to blow out cleaned for a nation also.
- clogged lines, nozzies, etc.
- Coogles ares, nozzes, are.

 7. Hoat Illness Avoidance: Use measures to avoid or minimize heat illness 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:

- users snow.

 Wash hands before ealing, drinking, chewing gum, using lobacco, or using the toilet,
 Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put
- Remove Croums, someone and a second second

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. See "Storage, Shipment and Disposal" section. In case of spils, properly dispose of contaminated materials.

Ground Water Advisory: 1,3-dichioropropene 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 karst geology, could result in ground water contamination.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: Do not use, pour, spill, or store near heat or open flames. Do not cut or wold container.

STORAGE, SHIPMENT AND DISPOSAL

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

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, feedstuffs, drugs, or domestic water supplies.

DISPOSAL; Pastickée wastes ere toxic. Improper disposal of excess pesticide and rinsales is a violation of Foderal 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-dichloropropone is corrostive under certain conditions, fush all application equipment with fuel oil, kerosene or a similar type of petroleum solvent immediately after use. Fit pumps and molers with new motor oil or a 50% motor oil/fuel oil mixture before storing. Do not use water. Dispose of insate by applicable Foderal, State and local regulations. Never introduce rinsate or unused product into surface or underground water supplies.

METAL CONTAINER DISPOSAL: To dispose of container emplied 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 serate for all least 14 days. Replace bungs prior to transport. After aeration, offer container to qualified reconditioner or dispose of as directed by State or local regulations.

REFILABLE CONTAINERS: Follow cleaning and handling directions in the Telone User's Guide.

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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 follow instructions on proper operation of the system found in the "Teleno Soil Fumigants - A Guide to Application" manual. Contact your product distributor for more information or these

END-ROW SPILLAGE CONTROL: The dispensing system must shut off the feed stream when chicols are raised out of the ground. Do not stop or park near any area where dribble from chisel tips has fallen. The applicator must follow instructions on proper operation and maintenance of the system found in the "Totone Soil Furnigants - A proper operation and maintenance of the system found in the "Tolone Soil Furnigants - A Guide to Application" manual. Contact your product distributor for more information of these materials. (1). A flow shutoff device must be placed as close as is technically feasible to the fluid discharge point. This can be a belt, poppol, or disphragm check valves, or full flow shutoff device such as an electric or penceumatically actuated valve. (2). Check valves must be replaced immediately if continuous drip occurs. (3). Place check valves above the oritice. (4). Isolate the check valve from upstream pressure by installing a maint line shut off or bypass valve prior to the manifold. (5). Do not exceed 1/4 inch diameter tubing. (6). Do not use any method of end-row spillage control other than that stated on this labet. (7). An alternative to shutoff devices is a purge system which clears the line of all Riquid. Consult your product representative for purge system description. Do not use any method of end-row spillage control other than that stated on this labet.

WITH ALL BULK AND MINI-BULK CONTAINERS: This product must be transferred WITH ALL BULK AND MINI-BULK CONTAINERS: This product must be transferred through connecting hoses, pipes, and/or couplings sufficiently light to prevent workers or other persons from coming in contact with the liquid product.

1. All hoses, piping, and tanks used in connection with this product shall be of type appropriate for use under the pressure and vacuum conditions to be encountered.

2. 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 measurements of the preclicities thorquised.

- The mechanical transfer system must be adequate to make necessary measurements of the positicide being used.
 Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of this 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.
 The pressure in hoses used to move this product beyond a pump must not exceed the manufacturer's maximum pressure specification.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying. 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 perticular regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nursenes, and greenhouses, and handlers of squicultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural posticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this labet about personal protective equipment (PPE), restricted entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS), 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 lask permitted on this labeting-is prohibited from the start of application unit 5 days 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 orally and by posting furnigant warning signs at entrances to treated areas. The sign must bear the skull and crossbones symbol and state: (1) "DANGERPELIGRO," (2) Areas under furnigation, DO NOT ENTER/NO ENTRE," (3) the date and time of furnigation, (4) 1,3-Dichloropropene and Chloropicins furnigants in use, and (5) harms, address, and telephone number of the application. Post the furnigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size, and liming of posting and removal.

PPE FOR REENTRY DURING THE ENTRY-RESTRICTED PIERROD: PPE for entry that is permitted by this labeling is kisted in the "Hazards to Humans and Domestic Allered Exercition of the labeling is bested 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.

NOTICE: READ THE ENTIRE LABEL AND LABEL BOOKLET. USE ONLY ACCORDING TO LABEL AND LABEL BOOKLET DIRECTIONS. BEFORE BUYING OR USING THIS PRODUCT, READ "WARRANTY DISCLAIMER" AND "LIMITATION OF REMEDIES".

WARRANTY DISCLAIMER-

Selfer 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 strict accordance with directions subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE: It is impossible to eliminate all risks associated with use of this product. Crop injury, tack of performance, or other unintended consequences may result because of such factors as use of the product contary to tabel instructions (including conditions noted on the labet such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfait, drought, tormadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the seiter. All such risks shall be excessed to the presence of the seiter.

LIMITATION OF REMEDIES: The exclusive remedy for losses or damages resulting from LIMITATION OF REMEDIES: The exclusive remody for losses or damagos resulting from this product (including claims based on contract, negligence, strict liability, or other logal 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 fable 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 damagos 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.

GENERAL INFORMATION

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

This product, a soil fungicide and nematicide, may be applied as a preplant soil treatment to control or to sid in reducing the demaging effects of certain soil borne diseases [soil rot (soil pox) of sweet polatoes; Granville (bacterial) will, black root not, black shank diseases of tobacco; Verticiting will of mint, pink root of onlons, pod rot of peanuls]; plant parasitic nematiodes [not-knot, root lesion, citrus, cyst formers (golden, sugar beet, soybean), burrowing, lance, reniform, ring, spiral, sling, pin, stubby root, stylet, dagger and certain others); symphylans (gorden centipedes) and wirewomes.

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-treatment sampling is recommended to determine the need for additional post management practices.

Consult State Agricultural Experiment Station or Extension Service specialists for information on other practices such as post-harvest 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 bests.

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: Labeling for end use products containing 1,3-dichloropropene that are prepared and sold by formulators must comply with all precautionary statements, use precautions, environmental hazards, handling and protective equipment requirements, maximum application rates and other exposure mitigation measures specified in this product labeling. Any product formulated from this product and/or any product which is formulated from the repackaging of this product must be labeled only as a pre-plant soil injected and/or soi furnigant product. Each formulator is responsible for obtaining EPA registration for each orduse product.

RECONTAMINATION PREVENTION: This product will control pests that are present in the soil treatment zone at time of fumigation. It will not control pests that are introduced into soil after fumigation. To avoid reinfestation of treated soil do not use irrigation water, transplants, seed pieces, or equipment that could carry soil borne pests from infested land. Avoid contamination from moving infested soil onto treated beds through cuthration, 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 carefully before entering treated fields.

Do 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 of, kerosene or a similar type of potroleum solvent immediately after use. Fig pumps and meters with new motor off or a 50% motor citived imiture 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.

CHEMIGATION: Do not apply 1,3-dichloropropone through any type of irrigation system.

FERTILITY INTERACTIONS: Fumigation may temporarily raise the level of ammonia närogen and soluble salls in the soit. This is most likely to occur when heavy rates of fortilizer and fumigant are applied to soits that are either cold, well, acid, or high in organic matter. To avoid injury to certain crops including red beets, carrots, corn, radishes, cole crops, tegumes (beans), lettuce, onlons, and sugar beets, fertilize as indicated by soit tests made after fumigation. To avoid ammonia injury or nitrate starvation (or both) to crops grown on high organic soits, do not use fertilizers containing ammonium salls. Use only fertilizers containing nitrates until after the crop is well established and the soit temperature is above 65 degrees F. In mineral soits, do not use play more than 2/3 of the nitrogen requirements from fertilizers containing ammonium salts until the crop is well established and the soit immograture is above 65 degrees F.

When using high rates of this 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 citius seedlings, Cornus sp., Cratargus sp., spruce, and vegetable crops such as cautiflower have shown evidence of phosphorus deficiency following furnigation. To avoid this possible effect, additional phosphale fartifizer (foliar applied) is recommended where experience indicates a deficiency may occur.

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 control of soil pests, it should be used as a proplant 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 time to allow application of this product prior to planting, tale summer or early fall treatment is recommended.

application of this product prior to planting, late summer or early fail treatment is recommended.

SOIL MOISTURE: It is critical to manage soil moisture properly before fumigation. Plan fumigation, or inspation schedules which leave moisture in the soil. The soil must be a moist from two inches below the soil surface to at least 12 inches deep as determined by the feel method (see below). The amount of moisture needed in this zone will vary according to soil type. The surface soil generally dries very rapidly and should not be considered in this delermination. The surface soil generally dries very rapidly and should not be considered in this delermination. The their is insufficient moisture at the two to six inch depth, the soil moisture must be adjusted. If irrigation is not evaluate and there is adequate soil moisture below six inches, it may be brought to the surface by disking or plowing before or during the injection. To conserve existing soil moisture to the time of application as possible. For fields with more than one soil texture, soil moisture content in the lightest textured of should be divided into areas of similar soil moisture requirement. Whenever possible, the field should be divided into areas of similar soil texture and the soil moisture of each area should be adjusted as needed. Coarser textured soils; however, if the soil moisture is too high, furnigant movement will be retarded and effectiveness of the treatment will be retarde

Application Directions, Continued:

In general, no irrigation should immediately precede subsoling or furnigation; however, when irrigation is available and aurface soil moisture conditions are not likely to provide an adequate seal against furnigant loss, a very light sprinktor irrigation to wet the top 1 to 2 inches of soil may be used to bring soil moisture content to the desired level.

:)

The following descriptions will aid to determining acceptable soil moisture conditions by the Tier method. For coarse soils (sand and loamy sand), there must be enought moisture to allow formation of a weak ball when compressed in the hand. Due to soil texture, this ball is ensity broken with title disturbance. In fearm, moderately coarse, or medium textured soils (coarse sandy loam, sandy loam, and fine sandy loam), a soil sample with the proper moisture content can be formed into a ball which holds together with moderate disturbance, but does not stick between the thumb and forefinger. Fine textured soils (clay loam, sitly clay loam, sandy clay, sitly clay, sandy clay loam and clay), should be pliable and not crumbly, but should not form a ribbon when compressed between the thumb and forefinger.

SOIL PREPARATION: The soil should be free of clods. Large clods can prevent effective soil souling and reduce effectiveness of this product. Plant residues should be throughly become assetting and reduce effectiveness of this product. Plant residues should be throughly becomposed 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 be fatter 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 (oversit) or row treatment. It must be placed at least 12 inches below the final soil surface. When soil conditions allow, placement a minimum of 14 inches below the final soil surface is recommended. Deeper placement is recommended when fumigating soil to be planted to deep-rocled plants, such as personals fruit and nut crops, or to control deeply distributed pests. For row application, the fumigant must be placed at least 12 inches from the nearest soli/air interface (e.g. furrow).

APPLICATION METHODS AND EQUIPMENT

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

The sunigant outlet spacing varies with the type of application equipment used: With chisal equipment a funigant 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 solf-shattering capability of the chisels. The maximum outlet spacing should not exceed 24 inches.

With plow-sole equipment a 12-linch outlet spacing is recommended. Do not exceed an outlet spacing of 18 inches.

With Nobel (sweep) plow 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 (for row spacing greater than 24 inches): Use chisel equipment to ROW APPLICATION (for row spacing greater than 24 inches): Use chied equipment to treat a band of sell where the crop is to be planted, i.e. the plant row. In general, when one chied is used, apply product at twice the low rates given in Table 1. When multiple chieds per plant row are used, space the chises (fumigant outlets) 8 to 12 inches apart and use the flow rates given in Table 1 per outlet (see feathered) 2). Rogardless of the number or spacing of chises used, the furnigant must be placed at least 12 inches from the nearest soli/air interface (e.g. furrow). With certain deeper rooted crops such as potalees 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 fumigant applied per acre exceed the maximum gallons per acre rates given in Table 1. To determine the amount (gallons) of product required per acre for various plant row spacings and flow rules, refer to Table 2. Note that as the distance between the plant rows increases the amount of fumigant required decreases and vice versa.

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 trace.

SEALING THE SOIL AFTER APPLICATION: Immediately after chisel application of this product, the soil must 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 freatment (flat furnigation), seating can be accomplished with equipment that will uniformly mix the soit to a depth of 3 to 4 inches to effectively eliminate chisel or piow traces which can allow direct escape of the furnigant. A tandem disc or similar equipment may be used for his purpose. To maximize seating, steps should also be taken to compact the soit surface to further relard the rate of furnigant loss by following with a ring roller, cuitipacker or roller in combination with tillage equipment. Compaction of the soil surface along does not effectively disrupt chisel or plow

For row treatment, forming the beds at the time of application should be accomplished in a manner that places the furnigent at least 12 inches from the nearest soil/air interface (e.g. furrow). The closest soil/air interface could be the furrow for multiple knile applications or the top of the bed for single knile applications. Row treatments into preformed beds must be sealed by disrupling the chisel trace using press sealers, ring rollers or by reforming the beds and following with such

Sealing can also be improved by applying non-perforated plastic film, such as polyelhylene, over the entire area or in strips. Use of a film to seal the soil surface does not eliminate the need to eliminate chisel 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 furnigent (see Placement of Furnigent 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 undisjurbed and unplanted for at least 7 days after application of the furnigant. A longer undisturbed interval is required if the soli becomes cold or wet, and for deep-rooted tree, shrub and vine planting sites.

APPLICATION METHODS AND EQUIPMENT (Continued):

After the fumigation interval, to prevent phytotoxicity, allow the fumigant to dissipate completely before planting the crop. Under optimum soil conditions for dissipation, 1 week for each 10 gations/acre is recommended. To hasten dissipation, especially if heavy trains or low temperatures occur during the treatment period, till the soil to the depth of fumigant application. Use a knife-fike 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 explication depth. Seed may be used as a bleassay 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 fumigation.

Suffer Zone: An application of this product shall not be made within 300 feet of an occupied structure, such as a school, hospital, business or residence. No person shall be present at this structure at any time during the seven consecutive day period following application. This buffer zone does not apply to use on soils to be planted with perennial crops that will not experience additional 1,3-D treatment for at least three years, for example pincapple, perennial vines, hops, mint, fruit and nut trees.

APPROVED USES

This product is recommend for control of nemalodes, symphylans and wireworms in soils to be planted to vegetable crops, field crops, fruit and nut crops and nursery crops.

TABLE I

Broadcast Application Rates and Use Information for Control of Nematodes, Symphylans, Wireworms and Certain Soil-Borne Diseases in Soils Planted to Crops Listed.

•		Application Rates (a)			
		Broadcast	Fl oz per/1000¹ ft/Outlet		
Crop	Soll Type	Gallons/Acre			
Vegetable Crops ²	Mineral	12.0 to 19.53	35 to 55		
	Muck or Peat	31,04 to 34.0	. 89 to 98		
Field Crops ⁵	Mineral	12.0 to 19.5	35 to 55		
	Muck or Peat	24.5	70		
Fruit and Nut Crops ⁶	Mineral, Muck, or Peat	37.0 to 48.0	105 to 137		
Nursery Crops '	Mineral, Muck, or Peat	57.5 to 75.5	164 to 215		

(a) Do not exceed specified maximum application rates.

¹ Flow rates are based on a 12 inch outlet spacing. Flow rates for alternate spacings can be calculated using the following formula; fi oz/1000 ft of row/outlet = 0.245 X rate in gallons/acre X outlet spacing in inches. For row treatment refer to Table 2.

2 Row treatment is not recommended for polatoes in irrigated areas of western and northwestern states. In Idaho, Nevada, Oregon, Utah, and Washington, refer to supplemental labeling entitled: "For Nematode and Wireworm Control in Soits to be Planted to Potatoes or Onions" for directions for use.

 3 For cyst-forming nematodes increase dosage to 24 gallons/acre (70 fi oz/1000 ft row per chisel).

4 For muck soils containing less than 30% organic matter use 24 gallons/acre.

5 For mint, apply 30.5 gallons per acre.

6 For burrowing nematode in citrus inject on 18-inch centers, 12 inches deep. Keep free of plants susceptible to burrowing nematodes for 2 years before replanting to citrus.

Note: To control symphylans (garden centipedes) use only overall at 23.5 or more gations per acre, and apply during late summer or early fall when the soil is warm.

To control wireworms use dosages recommended for nematodes in overall or broadcast treatments.

For wireworm control in soits to be planted to potatoes in Idaho, Nevada, Oregon, Utah, and Washington, refer to supplemental labeling referenced in footsole 2 above.

TABLE 2 Rate Conversion Chart for Various Row Spacings and Furnigant Flow Rates 1

Note: In no case should the amount of furnigant applied per acre exceed the gallons per acre rates for broadcast treatment given in Table 1.

									£2.1
Fl Oz/	Plant Row Spacing (Inches)								
1000 Ft	28	32	36	40_	44	48	52	56	60
of Row	Gallons Per Acre								
52	7.6	6,6	5.9	5.3	4.8	4.4	4.1	3.8	3.5
60	8.8	7.7	6.B	6.1	5.6	5.1	4,7	4.4	4.1
68	9.9	8.7	7.7	6.9	6.3	5.8	5.3	4.9	4.6
76	11.1	9,7	в.6	7.8	7.0	6.5	6.0	5.5	5.2
84	12.3	10.7	9.5	8.6	7.8	7.1	6.6	6.1	5.7
92	13.4	11.7	10.4	9.4	8.5	7.8	7.2	6.7	6.3
100	14.6	12.8	11.3	10.2	9,3	8.5	7.8	7.3	6.8
108	15.8	13.8	12.2	11.0	10.2	9,2	8.5	7.9	7.3
116	16.9	14.8	13.2	11.8	10.8	9.9	9.1	8.5	7.9
124	18.1	15.8	14.1	12.7	11.5	10.5	9.7	9.0	8.4
132	19.3	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0
9.0	20.4	17.9	15,9	14.3	13.0	11.9	11.0	10.2	9.5
14B	21.6	18.9	16.8	15.1	13.7	12.6	11,6	10.8	10.1
156	22.8	19.9	17,7	15.9	14.5	13,3	12.2	11.4	10.6
164	23.9	20.9	18.6	16.7	15.2	13.9	12.9	11.9	11,2
172	25.1	21.9	19,5	17.6	16.0	14.6	13.5	12.5	11.7
180	26.3	23.0	20,4	18,4	16.7	15.3	14.1	13.1	12.2
188	27.4	24.0	21.3	19.2	17.4	16.0	14.8	13.7	12.8
196	28.6	25.0	22.2	20.0	18.2	16.7	15.4	14.3	13.3
204	29.8	26.0	23.1	20.8	18.9	17.4	16.0	14.9	13.9
212	30.9	27.0	24.0	21.6	19.7	18.0	16.6	15.4	14.4

¹ For row spacing of 24 inches or less apply as a broadcast treatment. For treatments with row spacing greater than 24 inches, refer to Table 1 for the rate needed for a specific crop and/or soil texture. To determine gallions per acre for row treatments, double the flow rate in Table 1 and look up the corresponding gallions per acre in Table 2.

For Single Chisel Application: The flow rates are double those isted in Table 1. For example, for vegetable crops in mineral soil, the flow rate for a single chisel row treatment is 63.6 to 100.4 fl oz per 1000 ft of row (note the broadcast rate is 31.8 to 50.2 fl oz per 1000 ft of row).

For Multiple Chisel Applications: Use the flow rate given in Table 1 per outlet. For example, for vegetable crops in mineral soil using 2 chisels per row, the flow rate per outlet is 63.6 to 100.4/2, or 31.8 to 50.2 fl oz per 1000 ft of row per outlet.

To obtain the gallons per acre used for a row spacing not shown in this table, use the following equation:

Il oz/1000 ft of row - x 4:08ª = gallons per acre row spacing (inches)

12 inches x 43.56 (no. 1000 fl/acro) #4.08 = _-128 (fl oz per galon)