



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

JUN 29 1994

Dr. Tom Duafala Shadow Mountain Products Corporation P.O. Box 1327 Hollister, CA 95024

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Subject:

Label Amendment Submission of 05/6/94 in Response to PR Notice 93-7

EPA Reg. No. 58266-02 TRI-CLOR FUMIGANT

# 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 tabel 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.

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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 'o:

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

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# PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: D A N G E R

THIS FUMICANT IS A HIGHLY HAZARDOUS MATERIAL AND MUST BE HANDLED WITH CARE ONLY BY THOSE INDIVIDUALS EXPERIENCED WITH ITS USE. CONSULT YOUR DEALER REPRESENTATIVE OR THE DISTRIBUTOR FOR CORRECT PROCEDURE BEFORE USING. READ AND FOLLOW ALL LABEL DIRECTIONS AND PRODUCT LITERATURE SPECIFIC TO YOUR REQUIREMENTS.

POISONOUS LIQUID AND VAPOR, INHALATION MAY BE FATAL POISONOUS LIQUID AND VAPOR. INHALATION MAY BE FATAL. CHLOROPICRIN IS READILY IDENTIFIABLE BY SMELL, EXPOSURE TO VERY LOW CONCENTRATIONS OF VAPOR WILL CAUSE IRRITATION ON EYES, NOSE, AND THROAT. CONTINUED EXPOSURES AFTER IRRITATION IS EVIDENT OR HIGHER CONCENTRATIONS, MAY CAUSE PAINFUL IRRITATION TO EYES OR TEMPORARY BLINDNESS. LIQUID WILL CAUSE CHEMICAL BURNS TO SKIN OR EYES, DO NOT GET ON SKIN, IN EYES, OR ON CLOTHING. HARMFUL OR FATAL IF SWALLOWED.

CHLOROPICRIN FUMIGANT HAS THE CAPACITY TO CAUSE MARKED IRRITATION TO THE UPPER RESPIRATORY TRACT, AND IS A STRONG LACHRYMATOR (TEAR PRODUCING EYE IRRITANT). LOW CONCENTRATIONS, BELOW THOSE NECESSARY TO CAUSE SERIOUS SYSTEMIC INTOXICATION, ARE CAPABLE OF CAUSING SEVERELY PAINFUL EYE IRRITATION, HENCE WILL NOT BE VOLUNTARILY TOLERATED. HOWEVER, THE EFFECT MAY BE SO POWERFUL. THAT A PERSON MAY BECOME TEMPORARILY BLINDED AND PANIC-STRICKEN AND THAT IN TURN MAY LEAD TO ACCIDENTS.

## AIR CONCENTRATION LEVEL

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm-(0.7 mg/m³). If the air concentration level exceeds 0.1 ppm, an air-purifying respirator must be worn. If the air concentration level exceeds 4 ppm, an air supplying respirator must be worn. The air concentration level exceeds 4 ppm, an air supplying respirator must be worn. The air concentration level is measured by a direct reading detection cevice, such as a Matheson-Kitagawa.

# PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chomical resistant to this product are listed below. If you want most optops, follow the instructions for category H on an EPA chemical resistance category selection chart.

Category selection chart.

Loose-filling or well ventifuled long-sleeved shirt and long pents Shoes and socks

Shoes and socks
Full-face shield or safely glosses with brow and temple shields (Do NOT wear goggles.)
When the acceptable air concentration level is above 0.1 ppm and a respirator is required, protect the eyes by wearing a full-face respirator.
Ito respirator is required, if the air concentration level of chloropichin in the working area

rio respirator is required, at the air concentration level of chloropician in the working area is measured to be less than 0.1 ppm.

A respirator is required under the following circumstances:

—if the air concentration level exceeds 0.1 ppm at any time, applicators and other hanches must wear (a) a respirator with an organic-vapor-removing sartings with a prefitor approved for peaticides (MSHANNOSH approval number prefix TC-23C), OR (b) is respirator with a canister as proved for posticides (MSHANNOSH approval number prefix TC-14G).

number prefat (C-145) - if the air concentration level exceeds 4 ppm at they lime, applicators and other handlers must wear (a) a suppled-nir respector (MSHANNOSH approval number prefat TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHANNOSH approval number prefat TC-13F).

#### WORK SAFETY REQUIREMENTS-

Do not wear jewolry, gloves, goggles, light clotting, rubber protective clothing, or rubber boots when handling. Chloropicron is heavier than air and can be trapped inside.

rubber boots when handling. Chloropicrin is heavier than air and can be trapped inside clothing and custe skin injury.

2 Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

3. Clean PPE after each dcy's use. Immediately after contamination remove outer clothing, shoes, and socks and do not reuse until thoroughly serated or verifiated. Keep such clothing and shoes outdoors until thoroughly serated. Then follow the PPE manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detargent and hot water. Keep and wash PPE and work clothing separately from other kundry.

4. Follow PPE manufacturer's instructions for cleaning/maintaining protective eyewear, face shields and respirators.

face shields and respirators

# **USER SAFETY RECOMMENDATIONS**

- ers should.

  Wash hands before eating, drinking, chewing gum, using tobacco, or using the tolet.
  Remove clothing immediately a pesticide gets inside. Then wash thoroughly and put on chan clothing.
  Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

  Supply your physician with information on Chloropichin, which is available from your your Dealer Representative or the Distributor.

# PRECAUTIONS TO FOLLOW

PRIOR TO FUMIGATION: (1), Before using fumigani, read and follow all PROR TO FOMIGATION: (1). Before using furnigant, read and follow all directions on the label and in the product literature, (2). Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory agencies as required. (3) it is advisable to supply your physician with information on chloropicini, which is available from the company. (4) Obtain medical assistance at once in case of incise after exposure, and do not allow conditions which could accidentally cause further exposure until recovery is complete. (5). Never furnigate alone. It is imperative to always have an assistant and proper protection equipment, as failed below, to aid in case of accidents. (6). 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 work with the tractor and driver what the operation (2). Handle this furnishment in the open when possible, with the operator mechanical operation of the tractor and how to work with the tractor and diver white timingal mg. (7). Handle this fumigant in the open, when possible, with the operator fupward from the container where there is good ventilation, (8). Check the lumigant prossure system, when used, for leaks before beginning application, (9). A gas mask must be carried in each service vehicle. (10). Do not spill. It flouid uniqual splashes or spills on shoes or clothing, remove them at once as fumes from the contaminated area will be an intolerable source of irritation. If the figuid contacts skin where rings or bandages are worn, remove them and wash the exposed skin with soap and water. Air exposs shoes or clothing outside and do not wear unit free of all traces of funigant. (11) Always have adequate clean water available to wash the skin.

See Precautions Continued in Third Column

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# RESTRICTED USE PESTICIDE-

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

# TRI-CLOR

# **FUMIGANT**

**ACTIVE INGREDIENT:** CHLOROPICRIN **INERT INGREDIENTS:** TOTAL

This product weighs 13.7 pounds per gallon.

ACCEPTED
with COMMENTS
In EPA Letter Dated

6/29/94

Under the Federal Insecticide. Fundicities and Rodenticide Act as amended, for the posicide registered under EPA Reg. No. 58266-07

KEEP OUT OF REACH OF CHILDREN

DANGER



**PELIGRO** 

PELIGRO: Si Usted no entiende la etiqueta, busque a alquien 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 AN EMERGENCY TREATMENT FACILITY

#### STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Get exposed person to fresh cir. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. Do not give anything by mouth to any unconscious person.

IF ON SKIN: Immediately remove contaminated clothing, shoes, and other items covering the skin. Wash contaminated skin area thoroughly with soap and water.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

NOTE TO PHYSICIAN: Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress, and vomiting. Pulmonary edema may develop later. Treatment is symptomatic.

See Side Panel For Additional Precautionary Statements.

# SHADOW MOUNTAIN PRODUCTS CORPORATION

P. O. BOX 1027 - HOLLISTER, CA 95024

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E.P.A. EST! 3 (270-07-13,3,4;FL-1 E.P.A. REGULADO 266-02

**DURING FIEL** DURING FIEL there is an almosp may drift to nearby minimum of 48 hous famigant has drain, putled by the shanks, then conext pass. (4). In a tramediately stop the problem can be obe respiratory protectio cyandem, he certain

AFTER FIELD animals out of the tre for applications in Di land domestic snime Examples are, but n has been furnigated

NOTE CAREF NOTE CAREFY nilrogen and soluble fertilizer and fundgan meller. To avoid in fundgation. To avoid fertilizers containing a the crop is well estable acid soils before furni-tarions.

This furnigant is look

Do not use container alloys, as under cer metals. Do not per corresion will result.

S STORAGE: Slor Persons moving har RETURN OF C' Shadow Mor 8770 Higi Hollister, C

the valve should be protection bonnet rep without safety caps or there is no further\_p instructions-(4). Con SHIPPING: THE Hazardous Materials I Hazard, Hazard Zone imbeling are allowed. (Inhalation Hazard), D HANDLING: (1) only when furnisant i newlection bonnel mus bumping, dragging, o devices should not be SPILL OR LEAD area of the spill or is personal protective ec to Humans section of an isolated location. spilled furnigani lo av absorbent material. disposal facility. Only perform such cleanup, until the concentration DISPOSAL: De Pesticide wastes are rinsate is a violation of according to label insi Agency, or the Hazard guidance.

P is a violation of Federal I not apply this product in a drift. Only protected handl to your State or Tribe, com

# PLACA

The applicator (or supervi

- with signs bearing:

  skull and crossbones s

  "DANGER/PELIGRO"

- "Area under furnigation "Chloropicris Furngant "the date and time of fu
- "name, address, and te not allow entry by unpi Such signs must only be re-less than 0.1 ppm. Signs applicator (or someone un fumigated structures.

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Precautions, Continued:

DURING FIELD FUMICATION: (1) This furnigent should not be applied when there is an atmospheric inversion, since uncomfortable concentrations of Chloroperin may crift to nearby areas. Immediately cover freated areas with plastic tarpaulin for a may crift to nearby areas. Immediately cover treated areas with plastic tarpaulin for a minimum of 4th hours. (2) Do not lift injection sharks to turn at end of a pass until the funngant has drained from the system following closure of the shutoff valve. (3). Trosh pulled by the shanks to the ends of the field when furnigating mus, be covered by lifting the shanks, then covering it a trash with polyethylene film before making the turn for the next pass. (4) In case of the rupture of a tiose or fitten white applying the furnigant, immediately stop the tractor and motor. Get off the tract ir and get to a place where the problem can be observed without exposure to the tumes. Approach from upwind, with respiratory protection 4 required and make necessary repairs. (5). When chenging the cylinders, be certain they are furned off and the furnigant system a not under pressure.

AFTER FIELID ELIMICATION: (1) Was not a function and attended to

AFTER FIELD FUMIGATION: (1). Keep pets, is estrick, and other domestic animals out of the treated area during application, during the exposure period as specified for applications in Objections for Use, and during removal of tarpaulin, if used 727.00 hold feed domestic animals on crop residues unless an E.P.A. tolerance exists for such use. Examples are, but not finited to, seeded or volunteer cover crops growing on sol which has been fumigated as a preplant treatment for a registered crop use.

NOTE CAREFULLY: Furnigation may temporarily raise the level of amirconia NOTE CAREFULLY: Furnigation may temporarily raise the level of amiconia nitroger; and soluble salts in the sol. This is most likely to occur when heavy raise of fertilizer and furnigant are applied to solis that are either cold, wet, acid, or high in organic matter. To avoid injury to plant roots, fertilizer as indicated by soil tests made after furnigation. To avoid aminonia injury and/or nitrate starvation to crops, avoid using fartitizers containing ammonia salts and use only fertilizers containing nitrates until after the trop is well established and the soil temperature is about 65 degrees F. Liming highly acid soils before furnigation stimulates nitrification and roduces the possibility of ammonia toxicity.

#### ENVIRONMENTAL HAZARD

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This furnigant is toxic to fish and wildlife. It should not be discharged where it will grain into taxes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes.

# **CHEMICAL HAZARD**

Do not use containers or application equipment made of magnosium, atuminum, or their alloys, as under certain concitions this furnigant may be severely corrosive to such metals. Do not permit water to be used to clean the furnigant pressure system as corrosion will result. Deset of its satisfactory for this purpose.

#### STORAGE AND DISPOSAL

STORAGE: Store in a cool, cry, well-ventilated area under lock and key. Post as a pecticide storage area. On but contaminate water, wod, or feed by storage or disposal. Persons moving, handing, or opening containors must wear the personal protective ecupment (including prescribed respirator) specified in the Hazards to Humans section stiffs shelping. Open contained respirator) specified in the Hazards to Humans section stiffs shelping. Open contains the well-lated area.

RETURN OF CYLINDERS: Cytinders are the property of:
Shadow Mountain Products
170 Highway 25
1029 Failcoad Street
Corrona CA 91720

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170 Highway 25
1029 Raikoad Street
1 Ister, CA 95023
Corona, CA 91720
and should be returned promptly by collect auto freight. (1). When a cylinder is empty, the valve should be closed, the lifety cap screwed onto the valve culted, and the protection bonnet replaced prior to its return to the shipper. (2). Do not ship cylinders without safety caps or valve protection bonnets. (3). When a cylinder is partially full and there is no further requirement for the product, contact the company for return instructions. (4). "Containers should never bu refitted by the consumer or used for any other product or burross. roduct or purpose.

oner product or purpose.

SHIPPING: This fumigant classified in the U.S. Department of Transportation Hazardous Materials Regulations as Chloropicrin, 6.1, UN 1580, PG I, Poison-inhalation Hazard, Hazard Zone B and no exemptions from specifications, packaging, marking, or tabeing are allowed. Describe empty cylinders as having test contained. Chloropicrin (inhalation Hazard). Do not ship with foods, fee us, or clothing.

(inhanton Hazaro) Do not ship with foods, feeus, or clothing.

HANDLING: 1). The valve profection bonnet and safety cap should be removed only when furnighnt is about to be removed from the cylinder. The safety cap and valve protection bonnet must be replaced when the cylinder is not in use. (2). Cylinders should never be subjected to rough handling or to appoint mechanical shock such as dropping, bumping, dragging, or stiding. (3). Ropes, slings, hooks, longs, and similar handling devices should not be used for unloading cylinders. (4). A suitable hand truck, fork fruck, or similar device to which the cylinders can be firmly secured should be used for trapsporting the heavier dylenders.

SPILL OR LEAK PROCEDURE: Evacuate everyone from the immodule SPILL OR LEAK PROCEDURE: Evacuate everyone from the immediate area of the spill or leak. For entry into affected aron to correct problem, wear the personal protective equipment (including prescribed respirator) specified in the Hazards to Humans section of this labeling. Move leaking or damaged containers outdoors or to an solated operation. Observe stinct safety precautions. Work upwind, if possible. Allow spilled furnigant to evaporate or to absorb only vermicule, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility. Only correctly trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into this spill or leak area by any other porson until the concentration of chloroporn in measured to be less than 0.1 ppm.

DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Posticide wastes are toric. Improper disposal of excess posticide, spray mixture, or rinsalls a 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 hearardous Waste representative at the nearest E.P.A. Regional Office for quidance.

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# DIRECTIONS FOR USE

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If is a violation of finderal Link to use this product in any manner incommistent with its labeling. Do not apply this product in a way that wid contact workers or other persons, exhall driving frithough drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Timbel consult the agency responsible for posticide regulation.

#### PLACARDING OF FUMIGATED AREAS

The applicator for supervisor of the application) must placed at entrances to the fungated area will signs bearing
strutter and crosscores symbol
"DANGER RELIGIO"
"Area under lumgation, DO NOT ENTER NO ENTRE;"
"Choropicin Fungari in uss;"
"The date and time of fungation, and

The care and time or uningation, and in the care and time or uningation, and in a fine and responding the approach. Do not allow entry by unprofected persons into the furnigated area until the aigns are removed. Such signs must only be removed when the air concentration level of chloropicin is measure to be less than 0.1 ppm. Signs must remain legible during the entire posting period. Only a certified applicator (or someone under his her supervision) may remove waiting signs at entrances to

#### AGRICULTURAL USE REQUIREMENTS-

Use this product only in accordance with its lubeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurteries, and greenhouses, and handlers of agricultural posticidas. It contains requirements for training, decontamination, notification, and emorgency 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 that are covered by the Worker Protection Standard (WPS). No instructions of sewhere on this labeling relieve usors from complying with the requirements of the WPS.

requirements of the WPS. 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 by the WPS—is PROHIBITED in the entire greenhouse (entire enclosed structure/building) from the start of application until aeration reduces the air concentration level of from the start of application until aeration reduces the air concentration level of choropicin in the working series to less than 0.1 ppm. Greenhouse Soil Fundiquition: Entry (including early entry that would otherwise be permitted under the WPS) by any person-other than a currectly trained and equipped handler who is performing a handling task permitted by the WPS- is PROHIBITED in the entire groenhouse (entire enclosed building/structure) from the start of application until 46 hours after application AND until building/structure) from the start of application until 48 hours after application AND until the air-concentration tovel of chloropicrin in the working area is measured to be test than 0.1 ppm. Until the aeration of the soil is compile (usually 10-14 days), non-handlers are permitted in the greenhouse ONLY while the air concentration level of chloropicrin in the working area remains less than 0.1 ppm. If this are used for the application, non-handler entry is prohibited during tare removal and until the air level is measured to be less than 0.1 ppm. Outdoor Soil humigation: Entry (including early entry that would otherwise be permitted under the WPS) by any person-other than a correctly trained and equipped bandler who is performing a handler who is performing a handler who is performing a handler that the start of application, until 45 hours after application. In addition, 3 tarps are used for the application, non-handler entry is prohibited while tarps are being removed.

NOTIFICATION: Notify workers of the application by warning them crafty and by recoiling funding signs, as described in the "Plecarding of Fundigated Areas" section of this labeling. Post the furnigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size, and timing of posting and removal. Greenhouse—Soil or Space Fundigation: Post the furnigant warning signs outside all entrances to the entire greenhouse (entire enclosed building/structure). Outdoor Soil Furnigation: Post the furnigant warning signs at

PPE FOR ENTRY DURING ENTRY-RESTRICTED PERIOD:

PPE for only that is permitted by this labeling is Isled in the "Hazards to Humans and Domastic Animals" section of this labeling.

# GENERAL INSTRUCTIONS

THIS FUMIGANT IS A HIGHLY HAZARDOUS MATERIAL AND SHOULD BE USED ONLY BY PERSONS TRAINED IN ITS PROPER USE, BEFORE USING, READ AND FOLLOW /LL LABEL PRECAUTIONS AND DIRECTIONS. ALL PERSONS WORKING WITH THIS FUMICANT SHOULD BE TRAINED IN THE HAZARDS. THE USE OF REQUIRED RESPIRATOR EQUIPMENT, DETECTOR DEVICES, EMERGENCY PROCEDURES, AND THE PROPER USE OF THE FUMIGANT.

#### SOIL FUMIGATION

Chloroporin is a preplant furnigant for the control of soil-borne pests as listed; such as, whewerms and nemalodos, and discases caused by cortain species of Phythiam, Phytophthoxe, Fusarum, and Verticilium. It is to be used in soil to be planted to the crops listed below. Prior to application, the soil should be in condition for planting and with sufficient moisture to support seed germination. the soil should be in condition for planting and with sufficient moisture to support seed germination. 
<u>APPLICATION</u>: Apply this furnigant by meens of chisele spaced no more than 12 notice apart and at a depth of 8 inches below soil surface. To seal in "unigant after application, drag or cultipact immediately behind chisels, or well down treated area to a cepth of 1 inch, or cover treated area with a plastic tarpaulin. If plastic tarpaulin is used, it should be removed after 48 hours. Do not apply to areas adjacent to fields where valuable crops are growing nor adjacent to buildings inhabited by humans or westock. Furnigation of small volumes of soil or mushroom casing soil may be made by injecting chloropictin 6 - 8 inches doep in a grid pattern not to exceed 12 inchession. spacing.

#### **RECOMMENDED COSAGES\*** PREPLANT SOIL FUMIGATION

1 1161 5 111 0015 1	Omo:
LAND TO BE PLANTED TO:	POUNDS PER ACRE
Floral Crops, Nursery Crops	500
Plant & Seed Beds	300 - 500
Eggplant, Cucumbers, Melans, Tematoes	300 - 503
Sweet Polatoes, Yams	150 - 400
Onions	200 - 400
Strawberries	150 - 500
Al Other Crops	150 - 500
Mushrooms Casing Soul**	5 - 10 cc/cu.ft.
Polling Soil	3-4 cc/sq.R.
Seed Beds	3-5 cc/soft

If treated area is covered with a plastic tarpaulin immediately after application, dosage may be reduced by 33%.
In the case of Mushroom sol, soal with water plus plastic or wet newspapers

Row or bod applications may be made at the broadcast rates but the amount used will be proportionalely less per acre depending on the row spacing and width of treatment in the row

EXPOSURE AND AERATION, After application, leave the set undisturbed for 10 to 14 days. Well EXPLIBITE ANY AFTATION. After application leave the sorting stribed for 10 to 14 days. Wet soil related offusion of the fumigent, thus requiring a longer exposure period. At the end of the exposure period, arrate the soil by plowing or deep cultivation. If heavy rains accompanied by low temperatures occur during the exposure period, working the soil several times is essential for thorough aeration. Agretion is usually complete when the occur of the fumigent is no longer evident.

#### FUMIGATIO

When used for fumication of encir. When used for furnigation of encis, chambers, greenhouses, frucks, valued in the use of this product ratesting, and seration periods. Daransport of raw soriculural committee air concentration level or on acceptable air concentration level area unless he/she is wearing the respirator) specified in the Hazardt Worker Protection Standard restric

SPACE FUMIGATION: (N SPACE FUMIGATION: (N cockroaches, säverfish, and lungi dosage 1 14 to 1 1/2 pounds per 1 APPLICATION INFORMATION: Pr be seated to make the building gas F or higher. Introduce Chloropicin material located inside the structur fumigant in circulation. Verifists peraturos speed aeration.

VALUET FUL CATION: FO in furniture and clothing use 1 to dosage rates by an additional 1 po APPLICATION INFORMATION: 1 or onlo burian sacks or similar abshasten evenoration of Chipronicrin Ventilate by opening doors and usi

#### TREATMENT OF W AND GLUE-LAMIN INTERNAL WOOD

Carefully pour or inject Chloroplaris treated wood plug. When pouring avoid splashing any figuid into the pattern by drilling each hole 5 inch by 90 degrees. Drill holes at a ster If a treating hole intersects an inter-above and. If possible, below the ground level. Fill and plug the lowe ioles per treated structural limber

> Pole Cicumierence C Less Yhan 32"

32" - 45"

More than 45°

For piles treated near the cutoff t Prospover's Assn. Standard MA to laminated boarns, use at least 0.0 treating holes into the top laminate holes to minimize strength reduction chemical vapor. Do not treat insappropriate canisters available at the contract of the co injecting the fumigent.

Chioroactus may be used for clear fluoride. Prepare structure for fur 10,000 - 15,000 cubic feet of sp untrance and start the fars. Chec bromide or sulfuryl fluoride.

WARRANTY

NOTICE. Seler warrants that the product conforms to its chemical description and is reasonably In Ortic. Insert warrants that the product conforms to as chemical description and a resonably 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 MERCHANTABLITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instruction, or under shortmal conditions, or under conditions not reasonably foreseezable to setter, and buyor assumes the tisk of any such use.

CA April 1994

# AGRICULTURAL USE.REQUIREMENTS-

Use this product only in accordance with its tobeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection 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 perfaining 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 the product that are covered by the Worker Protection Standard (WPS). No instructions etsewhere on this tabeling relieve users from complying with the requirements of the WPS

ENTRY RESTRICTIONS: Greenhouse Space Furnigation: 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 by the WPS-- is PROHIBITED in the entire greenhouse (entire enclosed structurarbuilding) from the start of application until aeration reduces the air concentration level of chloroportin in the working area to loss than 0.1 ppm. Greenheuse Soil Funigation Entry (including early entry that would otherwise be permitted under the WPS) by any person-other than a correctly frained and equipped handler who is performing a handling task permitted by the WPS- is PROHIBITED in the entire greenhouse (entire enclosed building/structure) from the start of application until 48 hours after application AND until the air concentration givel of chloropictin in the working area is measured to be less than 0.1 ppm. Unit the agration of the soft is complete (usually 10-14 days), non-handlers are permitted in the greenhouse ONLY while the air concentration level of oblo-opicin is are permitted in the greenhouse ONLY while the air concentration level of choicepictin in the working area remains less than 0.1 ppm. If tarps are used for the application, non-hundre entry is prohibited during tarp removal and until the air level is measured to be less than 0.1 ppm. Outdoor Soil Furnigation; 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 handleg last permitted on this tabeling-is PROHIBITED from the start of application until 48 hours after application. In addition, it tarps are used for the application, non-handler entry is prohibited while tarps are being removed.

NOTIFICATION: Notify workers of the application by warning them orally and by posting lumigant varning signs, as described in the "Placarding of Furnigated Areas" section of this laboling. Post the furnigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legislety, size, and firming of posting and removal. Greenhouses—Soil or Space Furnigation: Post the furnigant warning signs outside all entrances to the entire greenhouse (entire enclosed building/atructure). Outdoor Soil Furnigation: Post the furnigant warning signs at

PPE FOR ENTRY DURING ENTRY-RESTRICTED PERIOD: PPE for entry that is permitted by this labeling is listed in the "Hazards to i furnans and Domestic Animats" section of this labeling.

## GENERAL INSTRUCTIONS

THIS FUMIGANT IS A HIGHLY HAZARDOUS MATERIAL AND SHOULD BE USED ONLY BY THIS FUMIGANT IS A HIGHLY HAZARDOUS MATERIAL AND SHOULD BE USED ONLY BY PERSONS TRAINED IN ITS PROPER USE. BEFORE USING, READ AND FOLLOW ALL LABEL PRECAUTIONS AND DIRECTIONS. ALL PERSONS "", ORKING WITH THIS FUMICANT SHOULD BE TRAINED IN THE HAZARDS, THE USE OF REQUIRED RESPIRATOR EQUIPMENT, DETECTOR DEVICES, EMERGENCY PROCEDURES, AND THE PROPER USE OF THE FUMIGANT.

#### SOIL FUMIGATION

Chloropictin is a preplant fumgar! for the control of soll-borne posts as listed; such as, wireworms and nemalodes, and diseases caused by certain species of *Phythiars*, *Phytophthora, Fusanum*. and Verticilium. It is to be used in soil to be planted to the cross listed below. Prior to epolication. and Verticition. It is to be used in soil to be planted to the crops listed below. Prior to application, the soil should be in condition for planting and with sufficient moisture to support seed germination.

APPLICATION: Apply this furnigant by means of chisely spaced no more than 12 inches apart and at a depth of 5 inches below soil surface. To seal in unigent after application, drag or cutipack immediately behind chisely, or woll down treoled area to a depth of 1 inch, or cover treated area with a pleatic tarpaulin, it plastic tarpaulin is used, a should be removed after 48 hours. Do not apply to areas adjacent to fields where valuable crops are growing nor adjacent to buildings inhabited by humans or livestock. Furnigation of small valuence of soil or mushiconi casing soil may be made by injecting chipropicin. 6 - 8 inches deep in a grid pettern not to exceed 12 inch spacing. spacing

#### RECOMMENDED COSAGES\* PREPLANT SOIL FUMIGATION

LAND TO BE PLANTED TO:	POUNOS PER ACRE		
Floral Crops, Nursery Crops	500		
Print & Seed Beds	300 - 500		
Eggplant, Cucumbers, Melons, Tomatoes	300 - 500		
Sweet Potatoes, Yams	150 - 400 200 - 400 150 - 500 150 - 500		
Onions			
Strawberries			
All Other Crops			
Mushrooms Casing Luit*	5 - 10 cc/cu.ff.		
Potting Soil	3 - 4 cc/sq.fl.		
Seed Beds	3-6 cc/sqft.		

 It bested area is covered with a plastic tarpouin immediately after application, dosage may be reduced by 33%.

in the case of Mushroom soil, seal with water plus plattic or well newspapers.

Row or bod applications may be made at the breadcast rates but the amount used wit be proportionally less per acre depending on the row spacing and width of treatment in the row or

ted. 
EXPOSURE AND AERATION: After application, leave the soil undeturbed for 10 to 14 days. Well and retards diffusion of the furnigent, thus requiring a tunger exposure period. At the end of the exposure period, earate the soil by plowing or deep cutivation. If heavy rains accompanied by low temperatures occur during the exposure period, working the and several ifmes is assentiat for thorough aeration. Aeration is usually complete when the oder of the furnigant is no longer evident.

#### **FUMIGATION OF ENCLOSED SPACES**

When used for funigation of enclosed spaced (houses and other structures, warehouses, vaults, chambers, greenhouses, trucks, vans, boxcers, ships, or other transport vehicles) two persons trained in the use of this product must be present at all times during introduction of the funigant, tained at the sea of this product must be present at an items during interest in the storage of transport of tain periods. Do not furnigate, which may be used for the storage of transport of tain and the service of the storage of transport of tain and the service of the storage of transport of the service respirator) specified in the Hazards to Humans section of this labeling. In grounhouses, additional Worker Protection Standard restrictions apply-

SPACE FUMIGATION: (Not containing raw agricultural commodities) Frit control of mites. cockroaches, silverfish, and fungi use 1 pound of Chloropicrin per 1000 cubic feet. Increase dosage 1 1/4 to 1 1/2 pounds per 1000 cubic feet when absorbent materials are present.

APPLICATION NEORMATION: Prior to application, all windows, doors, and other openings should be seated to reake the building gas light. Temperature at time of application should be 50 degrees. For higher, Introduce Chioropicini into a shellow pain, or not burtap sacks, or similar absorbent material becated inside the structure. Use fans to hasten evaporation of Chioropicin and to keep furnigant in circulation. Ventilate area thoroughly for 12 to 24 hours. Fans, dryness, and high lemperatures appeal peration.

VAULT FUMIGATION: For the control of fleas, mites, silverfish, cockroaches, and moths in furniture and clothing use 1 to 2 pounds of Chloropictar. In heavily loaded values, increase dosage rates by an additional 1 pound per 1000 cubic feet.

APPLICATION INFORMATION: fistroduce the desired amount of Chloropicrin into a shallow pan or onto burlap sacks or similar absorbent material incated inside the structure or vault. Use fans to hasten avaporation of Chipropictin and to keep furnicant in circulation. Exposure time is 24 hours. Ventilate by opening doors and using fans for 12 to 24 hours prior to re-entry.

#### TREATMENT OF WOOD TIMBERS, POLES, PILES AND AND GLUE-LAMINATED BEAMS FOR CONTROL OF INTERNAL WOOD DECAY BY FUNGI AND INSECTS

INTERNAL WOOD DECAT BY FUNGITAIND INSECTS Carefully your or inject chicropicrin into driefled holes, then plug the holes with a 2 1/2 inch - 3 inch treated wood plug. When pouring or injecting furnigant and plugging holes, wear safely gogglos to avoid splashing any figuid into the eyes. Holes in poles and plass should to positioned in a spiral pattern by drilling each hole 6 inches - 12 inches vertically from the proceeding hole and rotating it ys 90 degrees. Drift holes at a steep downward angle and evoid drilling through seasoning checks. If a treating hole intersects an internal rot pocket, plug that hole and drift me hole into sold wood above and, if possible, below the rot. For in-ground poles the first hole should be Crited at the ground level. Fit and plug the lowest hole bofore (fing next higher hole. The suggested number of holes per treated structural timber and dosage are indicated in the following tablo:

Pole Circumference	Hole Diameter	Length Of Hole	Holea Per Pole	Pints of Fumigant/Pote
Less Than 32	5/8	15"	- 5	3/4
	5/6*	18"	5	3/4
	3/4"	15"	4	3/4
32* • 45*	3/4"	15"	8	1
	3/4"	18"	5	1
	3/4"	21"	4	\$
	3'4"	24"	3	1
	7/6"	217	3	2
More than 45"	1/4"	24°	6	2
	7/6"	21-	5	2
	7/6"	24	4	2

For piles trouted near the cutoff tops, cap the cutoff as recommenced by the American World Preserver's Assn. Standard MA to contain the chemical and prevent reinfection. To treat glue-laminated beams, use at least 0.05 pints of chemical per cubic fool of wood to be treated. Only treating holes into the top laminate through all glue lines when treatment is necessary. Standard holes to mirmize strength reductions of timbers. A vapor barrier wrap may be needed to continu chemical vapor. Do not treat inside an inhabited building, Have at feast one gas mask with appropriate canalters available at the treating site. Wear protective gear and stand upwind whon injecting the furnigant.

#### WARNING AGENT

Chloropics 1 may be used for clearing structures prior to furnigating with mathyl bromide or suffuryl Juoride. Prepare structure for furnigation, and sear all except one entrance. Use 1 ounce per 10,000 - 15,000 cubic feet of space to be furnigated. When building is evacuated, seat the entratine and start the fans. Check seals for tightness. Five to lon minutes later, introduce methyl bromitte or sulfuryl fluoride.

TRI-CLOR is compatible when mixed with Chlorinates C3 Hydrocarbons



INHALATION HAZARD

WARRANTY
NOTICE: Seller warrants that the product conforms to its chemical description and is reasonable If for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither the warranty nor any other warranty of MERCHANTABLITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of the product contrary to laber instruction, or under abnormal conditions, or under conditions not reasonably foreseable to seller, and buyor assumes the risk of any such use