8622-51

11/5

Please read instructions on reverse before completing form	n. Form Ap	proved. OMB No. 2070-006	O. Approval expires 11-30-93	
United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460		Registration Amendment	OPP Identifier Number	
		Other	203884	
	ection I			
1. Company/Product Number 8622-39	2. EPA Product Ma Ruth Do		Proposed Classification	
Company/Product (Name)	PM#		None Restricted	
50-50 Preplant Soil Fumigan	32		→ 	
Name and Address of Applicant (Include ZIP Code)		vlew. In accordance wit	h FIERA Section 3(a)(2)	
Ameribrom, Inc.	(b)(i), my product	is similar or identical in o		
52 Vanderbilt Avenue	to:			
New York, NY 10017	EPA Reg. No			
Check if this is a new address	Product Name			
Sec	tion I I			
Amendment - Explain below		labels in response to r dated		
Resubmission in response to Agency letter dated	-Me Too* Ap	plication.		
X Notification - Explain below.	Other - expla	in below.		
Explanation: Use additional page(s) if necessary. (For section	n Land Section II.)			
NOTIFICATION of amendment of the label for this product according to EPA's PR notice 93-10. The amendment is under the heading "Environmental Hazards" on the label.				
Section	on III			
Material This Product Will Be Packaged In: Child-Resistant Packaging Unit Packaging	Water Saluble Contrains	2. Type of Contains	M	
Yes* Yes	Water Soluble Packaging Yes	Metal	·'	
	res	Plastic		
L No	No	Glass Paper		
* Certification must be If "Yes," No. per Unit Package wgt. container	If "Yes," No. Package wgt, cont	per Other (S	Specify)	
submitted.				
3. Location of Net Contents Information 4. Size(s) of	Retail Container	5. Location of Label Direct On Label	ctions	
Label Container		On Labeling accor	npanying product	
6. Manner In Which Label Is Affixed To Product Lithog Paper	raph Othe	er (<u> </u>)	
Stendi				
1. Contact Point (Complete items directly below for identification	tion IV n ol individual to be contacted	, if necessary, to process th	is application.)	
	Title	 	ne No. (Include Area Code)	
Rhona McGee	Regulatory Affa	irs Asst. (2	212) 692-6635	
Certification	n		6. Date Application	
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or (Stampec) both under applicable law.				
Signature 3. Title		1		
Rhone Milee	Regulatory Affairs Asst.			
4. Typed Name 5	5. Date] " '	
Rhona McGee	9/26/95			

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

HIGH ACUTE TOXICITY

Extremely hezardous liquid and vapor under pressure. Do not breathe vapor. Inhaiation or ingestion may be fatal or cause serious acute litness or delayed lung or nervous system injury. Liquid or vapor can cause serious skin or eye injury which may have a delayed onset. Do not get liquid on skin, in eyes or on clothing.

This product contains chloropicrin, a volatile-liquid tear gas. Chloropicrin vapor is very tritating to the upper respiratory tract, and even at low levels can cause painful tritation to the nose and throat, and to the eyes, producing learing. If these symptoms occur, leave the fumigation area immediately. Continued exposure after irritation is evident, or higher concentrations, may cause painful infitation to the eyes or temporary bilindness, which may cause panic that may in turn lead to further socidents.

NOTE TO PHYSICIAN: Early symptoms of overexposure are intense lachrimation and irritation of mucous membranes, distrines, headache, neuses and vomiting, weakness and collapse, i.ung edema may develop in 2 to 48 hours after exposure, accompanied by cardisc irregularities; these effects are the usual cause of death. Repeated overexposure can result in blurred vision, staggering get and mental imbalance, with probable recovery after a period of no exposure. Blood bromids levels suggest the occurrence, but not the degree of exposure. Treatment is symptomatic.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to wildlife. Do not discharge effluent containing this product into takes, streams, ponds, estueries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL HAZARDS: Do not use or store near heat, open flames, or sparking elec-

CHEMICAL HAZARDS: Do not use application devices incorporating natural rubber or aluminum or magnesium or their offoys; do not use water to clean them (Diesel oil is satisfactory)

AIR CONCENTRATION LEVEL

The acceptable air concentration level for persons exposed to chloropicrin is 0,1 ppm (0.7 mg/m²). The acceptable air concentration for persons exposed to methyl bromide is 6 ppm (20 mg/m²). The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Loose fitting or well shows and socks.

Full-lace shield or salety blast be with bit was often liquid product (Do Norman and a respirate is neutral protect he was by with the sale in the sale of the ds when handling the contestion level is above ring a full-face respirator.

concentration level of chloropicrin in the working 3.1 ppm AND the air concentration level of methyt area is measured to be less than 0.1 ppm AND the air concentration bromids in the working area is measured to be less than 5 ppm.

A respirator is required if the acceptable air concentration level of 0.1 ppm for chloropicrin OR 5 ppm for methyl bromide is exceeded at any time. The respirator must be one of the following types: (a) a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR (b) a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F).

Under normal soft furnigation conditions, the air concentration level of chioropiorin in the working area will not generally exceed 0.1 ppm AND the air concentration level of methyl bromide in the working area will not generally exceed 6 ppm. Therefore, no respiratory protection is required. However, there is the possibility of a spill or leak during soil furnigation. Therefore, a respirator of a type specified above must be available and will be required for entry into an affected area in the event of a lesk

WORK SAFETY REQUIREMENTS

- Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, or rubber boots when handling. Methyl bromide and chloropicrin are heavier than air and can be trapped inside clothing and cause skin injury.
- 2. Immediately after contamination remove outer clothing, shoes, and socks and do not reuse until thoroughly serated or ventilated. Keep such clothing and shoes outdoors until thoroughly serated. Then follow the PPE manufacturer's instructions for clearling/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE and work clothing separately from other laundry.
- 3. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
- 4. Follow PPE manufacturer's instructions for cleaning/maintaining protective eyewear and respirators

USER SAFETY RECOMMENDATIONS Users should:

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

DIRECTIONS FOR USE

It is a viol, tion of Federal Law to use this product in a manner inconsistent with its

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 applications. sible for pesticide regulation.

RESTRICTED USE PESTICIDE **DUE TO ACUTE TOXICITY**

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

50-50 **PREPLANT** SOIL FUMIGANT

FOR CONTROL OF NEMATODES, WIREWORMS. WEED SEEDS. FUNGUS DISEASES, GRUBS, AND SOIL-BORNE INSECTS.

ACTIVE INGREDIENTS:	By Wt.
METHYL BROMIDE	49.7%
CHLOROPICRIN	49.5%
INERT INGREDIENT	0.8%
. TOTAL	10004

ACUTELY TOXIC CHEMICAL 14.0 LBS. Active Ingredient per gal. (UQUIO IN CYUND€R)

KEEP OUT OF REACH OF CHILDREN



Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted on detaile. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMEN: OF PRACTICAL TREATMENT

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

If inhaled -- Get exposed person to fresh air, Keep warm, Make sure person can breathe freely. If breathing has stopped apply artificial respiration. Do not give anything by mouth to an unconscious person.

If on akin — Immediately remove contaminated clothing, shoes, jewelry, and any other item on 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.

See side panels for additional precautionary statements.

EPA REG. NO. 8622-39

☐ EPA EST. NO. 67545-AZ-01 ☐ EPA EST. NO. 15298-IS-01 ☐ EPA EST. NO. 29516-FL-04 ☐ EPA EST. NO. 29516-NC-01

IN CASE OF EMERGENCY CONTACT:

AmeriBrom, Inc. Chemtrec (800) 424-9300

52 VANDERBILT AVENUE NEW YORK, NY 10017 TELEPHONE: (212) 286-4000 FAX: (212) 286-4475

Of **AmeriBrom West** 5419 Santa Clara Ave. Camarillo, CA 93010 Call Collect: (805) 958-9719 (CA) (212) 286-4000 (NY)

LBS./ KGS

PLACARDING OF FUMIGATED AREAS

The applicator (or supervisor of the application) must placerd all entrances to the fumigated area with signs bearing:

skull and crossbones symbol

Net contents:

"DANGER/PELIGRO"

ABT7/Rev 3

- "Area under fumigation, DO NOT ENTER/NO ENTRE."
- "Methyl Bromide and Civioropicrin Furnigents in use,"
- . the date and time of fumination, and
- · name, address, and telephone number of the applicator

245

Do not allow are removed of methyl bro during the e

Only a certif warning sign

> Use this pro Standard, 4 of agricultur of agricultu exceptions equipment, in this box i

No instruct requiremen

ENTRY A Greenhous be permitte equipped It is PROHIBI the start of tration leve AND the air to be to les days), non tration leve tration leve the air con than 5 ppn during larp ing eree is methyl t

Outdoor 8 permitted i equipped f in addition while tarpe

NOTIFICA posting fun Areas" sec sign for this

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PESTICIDI doors und: pesticide s

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CONTAINE chockwise . bornet bef Instructions

RETURN C

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(2) Do not (3) When a product

(4) Contain product

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and trained AM-210).

Do not furnice

BEST AVAILABLE COPY

ECAUTIONARY STATEMENTS TO HUMANS & DOMESTIC ANIMALS

DANGER

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RDS: This pesticide is toxic to wildfife. Do not discharge fuct into takes, streams, ponds, estuariae, cosens, or other swith the requirements of a National Pollutant Discharge (S) permit and the permitting authority has been notified. Do not discharge effluent containing this product to sewer notifying the local sewage treatment plant authority. For its Water Board or Regional Office of the EPA.

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RESTRICTED USE PESTICIDE DUE TO ACUTE TOXICITY

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50-50 PREPLANT SOIL FUMIGANT

FOR CONTROL OF NEMATODES, WIREWORMS, WEED SEEDS. FUNGUS DISEASES, GRUBS, AND SOIL-BORNE INSECTS.

ACTIVE INGREDIENTS:		By Wt.
METHYL BROMIDE		
CHLOROPICRIN		
INERT INGREDIENT		0.8%
	TOTAL	10004

ACUTELY TOXIC CHEMICAL

14.0 LBS. Active Ingredient per gal. (LIQUID IN CYLINDER)

KEEP OUT OF REACH OF CHILDREN



Si Usted no entiende la etiqueta, busque a algulen para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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See side panels for additional precautionary statements.

EPA REG. NO. 8822-39

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Call Collect: (805) 988-9719 (CA) (212) 286-4000 (NY)

AB27/Rev 3 Nel contents: LBS./____KGS. 8/8

PLACARDING OF FUMIGATED AREAS

The applica of the application) must placed all entrances to the fumigated area with signs bearing:

- skull and crossbones symbol
- "DANGER/PELIGRO,"
- "Area under fumigation, DO NOT ENTER/NO ENTRE."
- "Methyl Bromide and Chloropicrin Furrigants in use,"
- . the date and time of fumigation, and
- . name, address, and telephone number of the applicator

Do not allow entry by unpretected person are removed. Such signs must only be renchloroptorin is measured to be less than 1 of methyl bromide is measured to be less during the entire posting period.

Only a certified applicator (or someone warning signs at entrances to furnigated

AGRICULTURAL US

Use this product only in accordance with it Standard, 40 CFR 170. This Standard or degricultural workers on farms, lorests, not agricultural pesticides. It contains requotification, and emergency assistance. It exceptions pertaining to the statements is equipment, restricted-entry intervals, and in this box only apply to use of this prodiction Standard (WPS).

No instructions elsewhere on this labelinrequirements of the WPS.

ENTRY RESTRICTIONS:

Greenhouse Solf Furnigation: Entry (in be permitted under the WPS) by any pers equipped handler who is performing a his PROHIBITED in the entire greenhouse (the start of application until 48 hours aft tration level chloropiorin in the working ar AND the air concentration level of methyl to be to less than 5 ppm. Until the aeratic days), non-handlers are permitted in the (tration level of chloropicrin in their workin the air concentration level of methyl bror than 5 ppm. If tarps are used for the appl during terp removal and until the air conce ing area." In assured to be less than 0 of methyl broundle in the working area is

Outdoor Soil Furnigation: Entry (includ permitted under the WPS) by any persol equipped handler who is performing a half in PROHIBITED from the start of applin addition, if tarps are used for the applicable tarps are being removed.

NOTIFICATION: Notify workers of the appositing furnigant warning signs, as deed. Ansas" section of this tabelling. Post the full sign for this application, but follow all WI legibility, size, and timing of posting and

Greenhouses — Soli or Space Furnige outside all entrances to the entire greenhouse.

Outdoor Soil Furnigation: Post the furnig

PPE FOR ENTRY DURING THE ENTRYthat is permitted by this labeling is listed in Animals" section of this labeling.

PESTICIDE STORAGE, HA

PESTICIDE STORAGE AND HANDLING doors under ambient conditions, or indorposticide storage area.

Do not conteminate water, lood or feed by a to a rack or wall to prevent tipping. Cylin handling or mechanical shock such as di-Do not use rope slings, hooks, tongs, of Transport cylinders using hand truck, fork to can be firmly secured.

Do not remove valve protection bonnel a use. Replace safety cap and valve protect

PESTICIDE DISPOSAL: Pesticide waste pesticide is a violation of Federal Law. It use according to label instructions, either mental Control Agency, or the Hazardous \ Regional Office for guidance, or follow regiemoty cylinders.

CONTAINER DISPOSAL: When cylind clockwise until hand tight, scraw seriety cap bonnet before returning to shipper. On cylinders. Do not use cylinders for ar instructions for return of empty or partia

RETURN OF CYLINDERS:

- (1) Cylinders are the property of the manu and should be returned promptly by
- (2) Do not ship cylinders without safety r
- (3) When a cylinder is partially full and in product, contact the manufacturer or
- (4) Containers should never be refitted to product or purpose.

SPECIFIC DIREC

This furnigant is a highly hazardous materitrained in its proper use. Before using, readtions, including those in the Manual for the Bromide Products, No. AM-210.

All persons working with this furnigent mu and trained in the use of required respiemergency procedures, and proper use of AM-2101

Do not furnigate with this product when soft

his/her supervision) may remove fures.

QUIREMENTS

sling and with the Worker Protection ns requirements for the protection les, and greenhouses, and handlers tents for training, decontemination, contains specific instructions and I labeling about personal protective cation to workers. The requirements hat are covered by the Worker Pro-

ieve users from complying with the

ing early entry that would otherwise — other han a correctly trained and ling task permitted by the WPS — re-enclosed etructure/building) from plication AND until the air concenoplication AND until the air concen-s measured to be less than 0.1 ppm tide in the working area is measured the soil is complete (usually 10-14 inhouse ONLY while the air concenrea remains less than 0.1 ppm AND In their working area remains less ion, non-handler entry is prohibited ition level of chloropicrin in the workom AND the air concentration level easured to be less than 5 ppm.

early entry that would otherwise be other than a correctly trained and ling task permitted on this labeling ion until 48 hours after application.

tation by warning them orally and by id in the "Placarding of Fumigated ant warning sign instead of the WPS requirements pertaining to location.

1: Post the fumigant warning signs (entire enclosed structure/building).

warning signs at entrances to treated

STRICTED PERIOD: PPE for entry +"Hazards to Humans and Dom

ILING AND DISPOSAL

Store in a secure manner either out-in a well ventilated area. Post as a

rage. Store cylinders upright, secured safrould not be subjected to Trough ping, bumping, dragging or sliding, ilmilar devices to unload cylinders. k or other device to which the cylinde

safety cap until immediately before toonnet when cylinder is not in use.

re toxic, Improper disposal of excesse wastes cannot be disposed of titact your State Posticide or Environ ste representative at the nearest EPA

is empty, close valve by turning to valve outlet, and replace protection he registrant is authorized to refits other purpose. Follow registrant's

turer or distributor where purchased ect freight.

re is no further requirement for the stributor for return instruction.

he consumer or used for any other

NS FOR USE

nd should be used only by individuals e Handling and Application of Methyl

e knowledgeable about the hazards, ir equipment and detector devices, a furnigant (see Product Manual No.

perature is below 50°F, at 6-8 inches.

PRECAUTIONS FOR USAGE PRIOR TO, DURING, AND AFTER SOIL FUMIGATION

Specific instructions for application appears in the "famual for the Safe Handling and Application of Methyl Bromids Products No. Alw-210.

Prior to Furnication: Post all treated areas with warning signs

Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies as required.

Never furniques alone, it is imperative always to have an assistant and proper protective aquipment in case of accidents.

Orivers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must instruct their helpers in the mechanical operation of the tractor and how to safety work with the tractor and driver white furnigating.

Handle this funigent in the open, with the operator "upwind" from the container where the good ventilation.

Check furnigent pressure systems for leaks before beginning op

Two trained persons must be present during introduction of the lumigant.

When lumigating toll from a tractor, 5 gallons of water must be carried on the tractor and placed where it is readily accessible. In addition to water available on the tractor, at teast 5 gallons additional water must be available from the service truct. This water must be possible and in containers marked "Decontamination water not to be used for drinking."

All trash should be cleared from the field before starting fumigation

During Furniget in: This furnigent should not be applied when there is an atmospheric inversion. Since uncomfortable concentrations of chloropicrin may drift to nearby areas, immediately cover treated area with plastic terpeulin for a minimum of 45 hours.

Do not lift injection shanks to turn at the end of a pass until fumigant has drain from system following closure of shutoff valve.

If trash is inadvertenity pulled by the shanks to the ende of the field when fumicating, it must be covered by litting the shanks, then covering the trash with polyethylene film before making the turn for the next pass.

When changing the cylinders, be certain they are turned off and furnigant system is not under pressure. Do not open the system when there are people or structures

After Furnigetion: Keep pets, livestock, and other domestic animals out of the treated area during application, during the exposure period as specified for aphilications in Directions for Use, and during removal of tarpaulin.

Two trained persons must be present during removal of tarpaulins

Specific instructions for application of 50-50 to field soils appear in the Product Manual No. AM-210.

Split and Leek Procedures for Soil Furnigation: In case of a ruplure of hose or fitting white applying furnigant, immediately stop tractor and motor. Evacuate everyone from the immediate area of the split or leek. Wear the personal protective equipment (including prescribed respirators) specified in the Hazarda to Humans section of this labelling for entry into affected area to correct problem. Approach from upwind to make necessary repairs. Do not enter area without the required PPE until the split has been fined from the processory to the leak has been fined to the processory.

Conteminated soll, water, and other cleanup debris is a toxic hazardous waste. Report split to the National Response Center (800-424-8802) If the reportable quantity of 1000 lbs, is exceeded.

GENERAL INFORMATION

50-50, a preplant soil furnigant, is used for the control of soil-borne pests such as: Wireworms. June beetle larvae, while grubs and garden symphyllen in the soil

Soll-borne hingl, including Verticithium, Fusartum, Pythium, Phizoctonia, Phytophetora, Pyenochesta, Sclerotinia, Scierotium, Armitteria, and the clubroot organism, Plasmodiophora.

Nematodes (such as Criconemoides, Tylenchus, Pratylenchus, Xiphinema and

Broadleaf and grassy weeds, such as annual bluegrase broomrape, common lembaquarters, torpedograse, nutsedge, Bermudagrase and quackgrass at higher

20.80 is not effective egainst mallow, fliares, dodder, some species of clover, and certain other hard seeded weeds. Crops listed below can be treated.

SOIL PREPARATION

Before treatment the soil should be in condition for planting and with sufficient moisture to support seed germination. If furnigation is being done to control nutsedge, till the soil to a depth of all least 15".

APPLICATION

Apply with chisels spaced from 12" to 18" apart, and inject 50-50 to a depth of 5" to 8" below soil surface. Seal furnigant with a drag or cuttipecker immediately behind chisels and then cover with a gas-light terpaulin.

DOSAGE TABLE

Crop To Be Plented:	Lbs. 50-50 per Acre ^{1, 1}
Strawberries	
Tomalose	300-480
Caufflower	300-480
Braccall ,	300-480
Muskmelons*	300-480
Peppers	
Eggplants	300-480
Floret Crops*	400-540
Nursery Crops*	400-540
Plant & Seed Beds**	400-540

*Row or bed applications may be made at the broadcast rates but the amount used will be proportionately less per acre depending on the row specing and width of insurment in the row or bed. The usual chiest pecking for methyl bromide treatment is 12" and it is assumed that each chiest breats at 12" orth when injected at a depth of 6" to 8".

files the higher rates for nut

*Growing difficulties in treated will may be experienced with Cornetions, Conliers, Delphini Holly, Multiflore Rose, Salvie, Briepdragone, and certain other crops.

IFor use on mathmetons, (all Cucumit meto metons, encludes watermetons), centeloupes Persian meters, honeydew meterus, casabas, entrehave, mengo metons and their hybrids

After 48 hours remove tarpeutin and allow the soll to serate for two weeks before planting. Pepper seeds can be direct seeded through the use of plug mix after 72 hours.

CITRUS SOIL TREATMENT FOR CONTROL OF PHYTC IN FLORIDA SANDY SOILS

This is a prepiant or replant treatment. Do not apply to soil w harvestable fruit within 24 months. Use a minimum of 11/2 lbs to furnigation for 96 hours covering treated area with a 4-mil tr disease to a depth of 4 feet. Aerate 2 weeks before setting transp

apply with chisels spaced 12 inches apart to a depth of 8 inches a drag or cultipacter immediately behind chisels. Cover with a Remove tarpaulin after recommended lumigation period and as before planting, if odors peraist, disc or plow the soil to assis

Do not apply 50-50 when there is little or no air move

Do not apply near buildings inhabited by humans or livestock to fields where valuable crops are growing.

*Phytophthora diseases controlled are root rot and crown rot

Following soil furnigation, undesirable concentrations of chloropi by arass. If this occurs, immediately cover treated area with a pi-tarpaulin on overnight and remove during the deptime. Recover it indicates that the undestrable concentration is continuing. Their most littley to occur in the evening or at hight when the air is n in movement. Do not make application of 50-50 when there is ment or there is an inversion condition in the atmosphere

NOTE CAREFULLY: Following fumigation, the level of soluble nitrogen may be relied. This is most likely to occur when her and fertilizers are applied to soils that are either acid, well, committer. Fertilizers containing ammonium satis should not be used containing nitrates until after the crop is well established and is above 65°F, in order to avoid ammonia injury, nitrate star fumigation, fertilize as indicated by soil test to protect against it is treat that highly acid soils as immediately accordance to It is best that highly soid soits be fimed before application to and reduce the possibility of ammonis toxicity.

Many pesticidal chemicals are poisonous and may leave a toxic to which they are applied. The U.S. Food and Drug Administr maximum amounts of such pesticide that may remain on raw thervest, and it is the user's responsibility to see that there is crope at harvest in excess of these amounts. The "Fumigation to the best available information, and if followed carefully shou residues at harvest. However, AmeriBrom, Inc. assumes no re accuracy nor for any loss due to excessive residues.

WARNING: Contains methyl bromide, a substance which has environment by destroying ozone in the upper r

CHLOROPICRIN AND ME **BROMIDE MIXTURE** UN 1581 INHALATION HAZAR



Warrenty: Seller warrants that the product conforms to its che to reasonably fit for the purpose stated on the label when use directions under normal conditions of use, but neither this warrant of MERCHANTABLITY or FITNESS FOR A PARTICULAR P implied, extends to the use of this product contrary to label somewhere the product contrary to label somewhere all or handling of this material not in strict accordance with direct

t signs level of n level

PRECAUTIONS FOR USAGE PRIOR TO, DURING, AND AFTER SOIL FUMIGATION

Specific instructions for application appears in the Manuel for the Sale Handling and Application of Methyl Bromide Products No. AM-210.

Prior to Furnigation: Post all treated areas with warning signs.

Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies as required.

Drivers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must instruct thair helpers in the mechanical operation of the tractor and how to safety work with the tractor and driver white lumigating.

Handle this furnigent in the open, with the operator "upwind" from the container where there is good verification.

Check furnigent pressure systems for leaks before beginning operation

Two trained persons must be present during introduction of the furnigent.

When furnigating soil from a tractor, 5 gallons of water must be carried on the tractor and placed where it is readily accessible, in addition to water available on the tractor, at teast 5 gallons additional water must be available from the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."

All trash should be cleared from the field before starting furnigation

During Furnigation: This furnigant should not be applied when there is an atmospheric inversion. Since uncomfortable concentrations of chicropicrin may drift to nearby areas, immediately cover treated area with plastic tarpaulin for a minimum of 48 hours.

Do not lift injection shanks to turn at the end of a pass until fumigant has drained from system following closure of shutoff valve.

If tresh is inadvertently pulled by the shanks to the ends of the field when fumigeting, it must be covered by lifting the shanks, then covering the tresh with polyethylene film before making the turn for the next pase.

When changing the cylinders, be certain they are turned off and furnigant system is not under pressure. Do not open the system when there are people or structures

After Furnigation: Keep pets, livestock, and other domestic animals out of the treated area during application, during the exposure period as specified for applications in Directions for Use, and during removal of tarpeulin.

Two trained persons must be present during removal of tarpaulins.

structions for application of 50-50 to field solls appear in the Product Manual

Spiff and Lesk Procedures for Soll Furnigation: In case of a rupture of hose or fitting while applying furnigant, immediately stop tractor and motor. Evacuate everyone from the immediate area of the spiff or leak. Wear the personal protective equipment (including prescribed respirators) specified in the Hazarda to Humans section of this labeling for entry into affected area to correct problem. Approach from upwind to make necessary repairs. Do not enter area without the required PPE until the split has evaporated or the leak has been fixed.

Contamineted soll, water, and other cleanup debris is a toxic hazardous waste. Report split to the National Response Center (800-424-8802) if the reportable quantity of 1000 lbs. is exceeded.

GENERAL INFORMATION

50-50, a preplent soft furnigant, is used for the control of soft-borne pests such as: Wirsworms, June beetle larves, while grube and garden symphylian in the soil at the time of planting.

Solf-borne fungi, Including Verticillium, Fusarium, Pythium, Rhizoctonia, Phytophthora, Pyrenochesta, Scienotinia, Solerotium, Armillaria, and the clubroot organism, Plasmodiophora.

Nematodes (such as Criconemoides, Tylenchus, Pratylenchus, Xiphinema and

Broadlerf and grassy weeds, such as annual bluegrass broomrape, common tembequarters, torpedograss, nutsedge, Bermudagrass and quackgrass at higher

50-50 is not effective against mallow, filares, dodder, some species of clover, and clinish other hard seeded weeds. Crope listed below can be treated.

SOIL PREPARATION

Before treatment the soil should be in condition for planting and with sufficient moisture to support seed germination, if furnigation is being done to control nutsedge, tiff the soil to a depth of at feest 15".

APPLICATION

Apply with chisels spaced from 12" to 18" apart, and inject 50-50 to a depth of 5" to 8" below soil surface. Seal furnigent with a drag or cuttipacker immediately behind chisels and then cover with a gas-light terpaulin.

DOSAGE TABLE

Crop To Be Plented:	Lbs. 50-50 per Acre ^{1, 8}
Strawberries	300-490
Tomatoes	300-480
Cauliflower	
Broccoll	300-480
Muskmelone ⁵	
Peppers	300-480
Ecopiants	
Fioral Crope*	
Nursery Crops*	
Diant & Coast Radal a	400.540

*Row or bed applications may be made at the broadcast rates but the amount used will be proportionately less pay acre depending on the row specing and wight of treatment in the row or bed. The usual choice specing for metry broadle treatment is 12" and it is assumed that each chiest treats a 12" strip when injected at a depth of \$" to \$".

*Pleate arrive for transationting.

*For use on muskmetone, (all Cucumit malo melone, excludes weremetons), carrieroupes Persian malone, honoydow melone, casabas, orenahawa, mango melone and their hybridge

After 48 hours remove terpeutin and allow the soil to serate for two weeks before plenting. Pepper seeds can be direct seeded through the use of plug mix after 72

CITRUS SOIL TREATMENT FOR CONTROL OF PHYTOPHTHORA* IN FLORIDA SANDY SOILS

Trils is a preplant or replant treatment. Do not apply to soil where trees will bear harvestable fruit within 24 months, Use a minimum of 1% lbs./100 sq. ft. Expose to furnigation for 96 hours obvering treated area with a 4-mil terpaulin. Will control disease to a depth of 4 feet. Aerate 2 weeks before setting transplants in treated area.

Apply with chisele speced 12 inches apert to a depth of 8 inches. Seal furnigant with a drag or cultipacter immediately behind chisels. Cover with a gas-proof terpaulin. Remove largeutin after recommended furnigation period and serate soil for 2 weeks before planting. If odors penalat, disc or plow the soil to assist aeration.

Do not apply 50-50 when there is little or no air movement.

Do not apply near buildings inhabited by humans or livestock or in area adjacent to fields where valuable crops are growing.

Phytophthora diseases controlled are root rot and crown rot

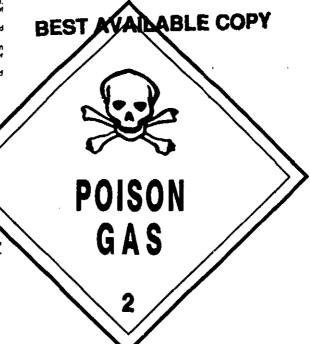
Following soil furnigation, undestrable concentrations of chloror/crin may drift to near-by areas: If this occurs, immediately cover treated area with a plastic tarpaulin. Leave tarpaulin on overnight and remove during the daytime. Recover the area if eye irritation indicates that the undestrable concentration is continuing. These concentrations are most likely to occur in the evening or at right when the air is most likely to be static in movement. On not make application of 50-50 when there is little or no air move-ment or there is an inversion condition in the atmosphere.

NOTE CAREFULLY: Following furnigation, the level of soluble salts and ammonia nitrogen may be raised. This is most likely to occur when heavy rates of furnigant and fertilizers are applied to solis that are either acid, wat, cold, or high in organic matter. Fertilizers containing animonium salts should not be used. Apply only fertilizers containing nitrates until after the crop is well established and the soil temperature is above 68°F, in order to avoid ammonia injury, intrate starvation, or both. After furnigation, fertilize as indicated by soil test to protect against injury to plant roots it is best that highly acid soils be limed before application to stimulate nitrification and radius the onestigiture of ammonia taxification. and reduce the possibility of ammonia toxicity

Many posticidal chemicals are poisonous and may leave a toxic residue on the plants to which they are applied. The U.S. Food and Drug Administration has established maximum amounts of such posticide that may ramain on rew agricultural products at harvest, and it is the user's responsibility to see that there is no residue on such crops at harvest in excess of these amounts. The "Furnigation Directions" are based on the best avoitable information, and if followed carefully should not leave excessive residues at harvest. However, Ameri@om, inc. assumes no responsibility as to their socuracy nor for any loss due to excessive residues.

WARNING: Contains methyl bromide, a substance which harms public health and environment by destroying ozone in the upper atmosphere

CHLOROPICRIN AND METHYL **BROMIDE MIXTURES UN 1581** INHALATION HAZARD



Warranty: Sefer warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably forseable to seller, and buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

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