


PM-32

Reg # 8622-15

1/13

Please read instructions on reverse before completing form.

Form Approved OMB No. 2070-0060. Approval expires 11-30-93

<b>(A)</b> 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number  203884
	Application for Pesticide:		
	Section I		


1. Company/Product Number 8622-15	2. EPA Product Manager Ruth Douglas	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) 75-25 Preplant Soil Fumigant	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Ameribrom, Inc. 52 Vanderbilt Avenue New York, NY 10017 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____ Product Name _____	

Section II	
<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and 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 III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.		If "Yes," Unit Package wgt.      No. per container	If "Yes," Package wgt.      No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other (_____)

Section IV		
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rhona McGee	Title Regulatory Affairs Asst.	Telephone No. (Include Area Code) (212) 692-6635
2. Signature 		3. Title Regulatory Affairs Asst.
4. Typed Name Rhona McGee	5. Date 9/26/95	5. Date Application Received (Stamp)
Certification 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 both under applicable law.		

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**BEST AVAILABLE COPY**  
**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER**  
**HIGH ACUTE TOXICITY**

Extremely hazardous liquid and vapor under pressure. Do not breathe vapor. Inhalation or ingestion may be fatal or cause serious acute illness 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 irritating to the upper respiratory tract, and even at low levels can cause painful irritation to the nose and throat, and to the eyes, producing tearing. If these symptoms occur, leave the fumigation area immediately. Continued exposure after irritation is evident, or higher concentrations, may cause painful irritation to the eyes or temporary blindness, which may cause panic that may in turn lead to further accidents.

**NOTE TO PHYSICIAN:** Early symptoms of overexposure are intense lachrimation and irritation of mucous membranes, dizziness, headache, nausea and vomiting, weakness and collapse. Lung edema may develop in 2 to 48 hours after exposure, accompanied by cardiac irregularities; these effects are the usual cause of death. Repeated overexposure can result in blurred vision, staggering gait and mental imbalance, with probable recovery after a period of no exposure. Blood bromide 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 lakes, streams, ponds, estuaries, 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 electrical equipment.

**CHEMICAL HAZARDS:** Do not use application devices incorporating natural rubber or aluminum or magnesium or their alloys; 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/m<sup>3</sup>). The acceptable air concentration for persons exposed to methyl bromide is 5 ppm (20 mg/m<sup>3</sup>). 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 ventilated long-sleeved shirt and long pants.  
Shoes and socks.

Full-face shield or safety glasses with brow and temple shields when handling the liquid product (Do NOT wear goggles.) When the acceptable air concentration level is above 5 ppm and a respirator is required, protect the eyes by wearing a full-face respirator.

No respirator is required if the air concentration level of chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide 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 soil fumigation conditions, the concentration level of chloropicrin 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 5 ppm. Therefore, no respiratory protection is required. However, there is the possibility of a spill or leak during soil fumigation. 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 leak

**RESTRICTED USE F**  
**DUE TO ACUTE TO**

For retail sale to and use only by Certified Applicator  
supervision, and only for those uses covered by the C

**75-2**  
**PREPLA**  
**SOIL FUMI**

FOR CONTROL OF NEMATODES, WIREY  
FUNGUS DISEASES, GRUBS, AND SC

**ACTIVE INGREDIENTS:**

METHYL BROMIDE .....  
CHLOROPICRIN .....  
INERT INGREDIENTS .....

**ACUTELY TOXIC CHE**

14.3 LBS. Active Ingredient per gal.

**KEEP OUT OF REACH OF**

**DANGER**



**POISON**

**Si Usted no entiende la etiqueta, busque  
explique a Usted en detalle. (If you do not  
someone to explain it to you in detail.)**

**STATEMENT OF PRACTICAL**

In all cases of overexposure, get exposed person to a doctor or emergency treatment

**If inhaled** — Get exposed person to fresh air. If person can breathe freely, if not, use artificial respiration. Do not give mouth-to-mouth respiration to unconscious person.

**If on skin** — Immediately remove contaminated clothing and any other item on skin. Wash thoroughly with soap and water.

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**AIR CONCENTRATION LEVEL**

acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (mg/m<sup>3</sup>). The acceptable air concentration for persons exposed to methyl bromide is 5 ppm (20 mg/m<sup>3</sup>). The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa.

**PERSONAL PROTECTIVE EQUIPMENT**

Indicators and other handlers must wear:

Properly fitting or well ventilated long-sleeved shirt and long pants, shoes and socks.

Wear a full-face shield or safety glasses with brow and temple shields when handling the fumigant product (Do NOT wear goggles.) When the acceptable air concentration level is above 5 ppm and a respirator is required, protect the eyes by wearing a full-face respirator.

A respirator is required if the air concentration level of chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide 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 soil fumigation conditions, the concentration level of chloropicrin in the working area will not generally exceed 0.1 ppm AND the air concentration level of ethyl bromide in the working area will not generally exceed 5 ppm. Therefore, respiratory protection is required. However, there is the possibility of a spill or leak during soil fumigation. 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 leak or spill.

**WORK SAFETY REQUIREMENTS**

Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, rubber boots when handling. Methyl bromide and chloropicrin are heavier than air and can be trapped inside clothing and cause skin injury.

Immediately after contamination remove outer clothing, shoes, and socks and do not reuse until thoroughly aerated or ventilated. Keep such clothing and shoes outdoors until thoroughly aerated. Then follow the PPE manufacturer's instructions for cleaning/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.

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

Follow PPE manufacturer's instructions for cleaning/maintaining protective equipment and respirators.

**USER SAFETY RECOMMENDATIONS**

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco, 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. As soon as possible, wash thoroughly and change into clean clothing.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**KEEP OUT OF REACH OF CHILDREN****DANGER PELIGRO****BEST AVAILABLE COPY POISON**

Si Usted no entiende la etiqueta, busque a alguien que pueda explicarle a Usted en detalle. (If you do not understand this label, ask someone to explain it to you in detail.)

**STATEMENT OF PRACTICAL TREATMENT**

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

**If inhaled** — Get exposed person to fresh air. Keep warm until person can breathe freely. If breathing has stopped, use artificial respiration. Do not give anything by mouth to an unconscious person.

**If on skin** — Immediately remove contaminated clothing, shoes, and any other item on skin. Wash contaminated areas thoroughly with soap and water.

**If in eyes** — Hold eyelids open and flush with a steady stream of water for at least 15 minutes.

See side panels for additional precautionary statements.

EPA REG. NO. 8622-15

 EPA EST. NO. \_\_\_\_\_  
 EPA EST. NO. \_\_\_\_\_  
 EPA EST. NO. \_\_\_\_\_  
 EPA EST. NO. \_\_\_\_\_
**IN CASE OF EMERGENCY****AmeriBrom, Inc.**

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

Chemtrec (800) 424-9293  
 OR  
 AmeriBrom West  
 5419 Santa Clara Ave  
 Camarillo, CA 93010  
 Call Collect: (805) 988-2888  
 (212) 286-4475

AB28/Rev. 4 Net contents: \_\_\_\_\_ LBS./ \_\_\_\_\_

**PLACARDING OF FUMIGATED AREAS**

The applicator (or supervisor of the application) must placard all fumigated areas with signs bearing:

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

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**RESTRICTED USE PESTICIDE  
DUE TO ACUTE TOXICITY**

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:

Do not allow entry by unprotected persons into that area until the fumigant is removed. Such signs must only be removed when chloropicrin is measured to be less than 0.1 ppm or methyl bromide is measured to be less than 5 ppm during the entire posting period.

Only a certified applicator (or someone under his direct supervision) may remove fumigant warning signs at entrances to fumigated structure.

**75-25  
PREPLANT  
SOIL FUMIGANT**

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

ACTIVE INGREDIENTS:	By Wt.
METHYL BROMIDE .....	74.7%
CHLOROPICRIN .....	24.8%
INERT INGREDIENTS .....	0.5%
TOTAL .....	100%

**ACUTELY TOXIC CHEMICAL**

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

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling Standard, 40 CFR 170. This Standard contains requirements for agricultural workers on farms, forests, nurseries, and other agricultural operations. It contains requirements for notification, and emergency assistance. It also contains exceptions pertaining to the statements in this labeling. The requirements for agricultural pesticides, notification, and emergency assistance. It also contains exceptions pertaining to the statements in this labeling. The requirements for agricultural pesticides, notification, and emergency assistance. It also contains exceptions pertaining to the statements in this labeling.

No instructions elsewhere on this labeling relieve requirements of the WPS.

**ENTRY RESTRICTIONS:**

**Greenhouse Soil Fumigation:** Entry (including that of a person who is performing a handling operation) is PROHIBITED under the WPS by any person — other than an equipped handler who is performing a handling operation — until the start of application until 48 hours after application. The air concentration level of chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide is measured to be less than 5 ppm. Until the aeration of the greenhouse, non-handlers are permitted in the greenhouse if the air concentration level of chloropicrin in their working area is measured to be less than 0.1 ppm and the air concentration level of methyl bromide in their working area is measured to be less than 5 ppm. If tarps are used for the application, during tarp removal and until the air concentration in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm.

**Outdoor Soil Fumigation:** Entry (including that of a person who is performing a handling operation) is PROHIBITED under the WPS by any person — other than an equipped handler who is performing a handling operation — until the start of application until 48 hours after application. In addition, if tarps are used for the application, entry is prohibited while tarps are being removed.

**NOTIFICATION:** Notify workers of the application by posting fumigant warning signs, as described in the "Areas" section of this labeling. Post the fumigant warning sign for this application, but follow all WPS requirements for legibility, size, and timing of posting and removal.

**Greenhouses — Soil or Space Fumigation:** Post fumigant warning signs outside all entrances to the entire greenhouse (entire structure).

**Outdoor Soil Fumigation:** Post the fumigant warning signs in the fumigation areas.

**PEP FOR ENTRY DURING THE ENTRY-RESTRICTION PERIOD:** The person who is permitted by this labeling to enter the fumigation area during the entry-restriction period is listed in the "Hazardous Animals" section of this labeling.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**  **PELIGRO**  
**POISON**  
**BEST AVAILABLE COPY**

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

**STATEMENT OF PRACTICAL TREATMENT**

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

**If inhaled** — Get exposed person into 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 skin** — Immediately remove contaminated clothing, shoes, jewelry, and any other item on skin. Wash contaminated skin area thoroughly with soap and water.

**PESTICIDE STORAGE, HANDLING, AND DISPOSAL**

**PESTICIDE STORAGE AND HANDLING:** Store in a cool, dry place under lock and key. Post as a pesticide storage area.

Do not contaminate water, food or feed by storage, disposal, or use. Store in a rack or wall to prevent tipping. Cylinders should be protected from handling or mechanical shock such as dropping. Do not use rope slings, hooks, tongs, or similar devices. Transport cylinders using hand truck, fork truck or other means that can be firmly secured.

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KEEP OUT OF REACH OF CHILDREN

DANGER  PELIGRO

POISON

BEST AVAILABLE COPY

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

STATEMENT OF PRACTICAL TREATMENT

**AFTER**

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 skin** — 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. 8622-15

- 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:

Chemtrec (800) 424-9300  
 or  
 AmeriBrom West  
 5419 Santa Clara Ave.  
 Camarillo, CA 93010  
 Call Collect: (805) 988-9719 (CA)  
 (212) 286-4000 (NY)

**AmeriBrom, Inc.**

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

Net contents: \_\_\_\_\_ LBS./ \_\_\_\_\_ KGS. 9/95

PLACARDING OF FUMIGATED AREAS

The applicator (or supervisor of the application) must placard 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 Fumigants in use."
- the date and time of fumigation, and
- name, address, and telephone number of the applicator.

ing area is measured to be less than 0.1 ppm AND 1 of methyl bromide in the working area is measured to

**Outdoor Soil Fumigation:** Entry (including early entry permitted under the WPS) by any person — other than the equipped handler who is performing a handling task — is PROHIBITED from the start of application until 4 In addition, if tarps are used for the application, non-white tarps are being removed.

**NOTIFICATION:** Notify workers of the application by posting fumigant warning signs, as described in the "Areas" section of this labeling. Post the fumigant warning sign for this application, but follow all WPS requirements for legibility, size, and timing of posting and removal.

**Greenhouses — Soil or Space Fumigation:** Post the outside all entrances to the entire greenhouse (entire en

**Outdoor Soil Fumigation:** Post the fumigant warning signs in all areas.

**PPE FOR ENTRY DURING THE ENTRY-RESTRICTED** that is permitted by this labeling is listed in the "Hazardous Animals" section of this labeling.

PESTICIDE STORAGE, HANDLING AND DISPOSAL

**PESTICIDE STORAGE AND HANDLING:** Store in a dry, well-ventilated area under lock and key. Post as a pesticide storage area.

Do not contaminate water, food or feed by storage. Store cylinders on a rack or wall to prevent tipping. Cylinders should be protected from handling or mechanical shock such as dropping, bumping, or striking. Do not use rope slings, hooks, tongs, or similar devices to handle cylinders. Transport cylinders using hand truck, fork truck or other device that can be firmly secured.

Do not remove valve protection bonnet and safety cap until ready for use. Replace safety cap and valve protection bonnet when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of pesticide is a violation of Federal Law. If these wastes are not used according to label instructions, either contact your State Department of Environmental Control Agency, or the Hazardous Waste representative of the Regional Office for guidance, or follow registrant's instructions for disposal of empty cylinders.

**CONTAINER DISPOSAL:** When cylinder is empty, turn valve clockwise until hand tight, screw safety cap onto valve outlet and remove bonnet before returning to shipper. Only the registrant's cylinders. Do not use cylinders for any other purpose. Follow instructions for return of empty or partially empty cylinders.

RETURN OF CYLINDERS:

- (1) Cylinders are the property of the manufacturer or distributor and should be returned promptly by collect freight.
- (2) Do not ship cylinders without safety caps or valve protection bonnets.
- (3) When a cylinder is partially full and there is no fumigant product, contact the manufacturer or distributor for instructions.
- (4) Containers should never be refilled by the consumer for any other product or purpose.

SPECIFIC DIRECTIONS FOR USE

This fumigant is a highly hazardous material and should be used only by trained personnel in its proper use. Before using, read and follow all instructions, including those in the Manual for the Safe Handling of Methyl Bromide Products, No. AM-210.

All persons working with this fumigant must be knowledgeable and trained in the use of required respirator equipment, emergency procedures, and proper use of the fumigant (see Manual for AM-210).

Do not fumigate with this product when soil temperature is

Do not allow entry by unprotected persons into the fumigated area until the signs are removed. Such signs must only be removed when the air concentration level of chloropicrin is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide is measured to be less than 5 ppm. Signs must remain legible during the entire posting period.

Only a certified applicator (or someone under his/her supervision) may remove warning signs at entrances to fumigated structures.

## PRECAUTIONS FOR USAGE PRIOR AND AFTER SOIL FUMIGATION

Specific instructions for application appears in the Manual Application of Methyl Bromide Products No. AM-210.

**Prior to Fumigation:** Post all treated areas with warning signs. Comply with all local regulations and ordinances. Obtain approval from Agricultural Regulatory Agencies as required.

Never fumigate alone. It is imperative always to have an assistant with you in case of accidents.

Drivers of application equipment must advise other workers of the procedures. In addition, drivers must instruct their helpers on the operation of the tractor and how to safely work with the tractor.

Handle this fumigant in the open, with the operator "upwind" where there is good ventilation.

Check fumigant pressure systems for leaks before beginning application. Two trained persons must be present during introduction of fumigant.

When fumigating soil from a tractor, 5 gallons of water must be added to the tank and placed where it is readily accessible. In addition to water, at least 5 gallons additional water must be available from another source. This water must be potable and in containers marked "Decontaminated for drinking."

All trash should be cleared from the field before starting fumigation.

**During Fumigation:** This fumigant should not be applied during atmospheric inversion. Since uncomfortable concentrations may drift to nearby areas, immediately cover treated area with plastic or tarpaulin for 48 hours.

Do not lift injection shanks to turn at the end of a pass. Turn the tractor from system following closure of shutoff valve.

If trash is inadvertently pulled by the shanks to the ends of the field, it must be covered by lifting the shanks, then covering with plastic or tarpaulin before making the turn for the next pass.

When changing the cylinders, be certain they are turned down. The system is not under pressure. Do not open the system when the tractor is downwind.

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

Two trained persons must be present during removal of fumigant.

Specific instructions for application of 75-25 to field soils are given in Manual No. AM-210.

**Spill and Leak Procedures for Soil Fumigation:** In case of a spill or leak while applying fumigant, immediately stop tractor and tractor operator from the immediate area of the spill or leak. Wear the personal protective equipment (including prescribed respirators) specified in the Hazardous Materials section of the labeling for entry into affected area to correct problem and make necessary repairs. Do not enter area without the fumigant has evaporated or the leak has been fixed.

Contaminated soil, water, and other cleanup debris is a toxic material. Report spill to the National Response Center (800-424-8802) if 1000 lbs. is exceeded.

## GENERAL INFORMATION

75-25, a preplant soil fumigant, is used for the control of

Wireworms, June beetle larvae, white grubs and grasshoppers at the time of planting.

Soil-borne fungi, including Verticillium, Fusarium, Phytophthora, Pyrenochaeta, Sclerotinia, Sclerotium, and other organisms, Plasmodiophora.

Nematodes (such as Criconemoides, Tylenchus, Pratylenchus, species)

Broadleaf and grassy weeds, such as annual bluegrass, lambsquarters, torpedograss, nutsedge, Bermudagrass, and other species.

75-25 is not effective against mallow, filaree, dodder, and certain other hard seeded weeds. Crops listed below

## 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, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements in this labeling about personal protective equipment, restricted-entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

No instructions elsewhere on this labeling relieve users from complying with the requirements of the WPS.

### ENTRY RESTRICTIONS:

**Greenhouse Soil Fumigation:** 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 48 hours after application AND until the air concentration level chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm. Until the aeration of the soil is complete (usually 10-14 days), non-handlers are permitted in the greenhouse ONLY while the air concentration level of chloropicrin in their working area remains less than 0.1 ppm AND the air concentration level of methyl bromide in their working area remains less than 5 ppm. If tarps are used for the application, non-handler entry is prohibited during tarp removal and until the air concentration level of chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm.

**Outdoor Soil Fumigation:** Entry (including early entry that would otherwise be permitted under the WPS) by any person — other than a correctly trained and equipped handler who is performing a handling task permitted on this labeling — is PROHIBITED from the start of application until 48 hours after application. In addition, if 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 fumigant warning signs, as described in the "Placarding of Fumigated Areas" section of this labeling. Post the fumigant 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.

**Greenhouses — Soil or Space Fumigation:** Post the fumigant warning signs outside all entrances to the entire greenhouse (entire enclosed structure/building).

**Outdoor Soil Fumigation:** Post the fumigant warning signs at entrances to treated areas.

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

## PESTICIDE STORAGE, HANDLING AND DISPOSAL

**PESTICIDE STORAGE AND HANDLING:** Store in a dry, cool, well-ventilated area under lock and key. Post as a pesticide storage area.

Do not contaminate water, food or feed by storage. Store cylinders upright, secured to a rack or wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

ing area is measured to be less than 5 ppm AND the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm.

**Outdoor Soil Fumigation:** Entry (including early entry that would otherwise be permitted under the WPS) by any person — other than a correctly trained and equipped handler who is performing a handling task permitted on this labeling — is PROHIBITED from the start of application until 48 hours after application. In addition, if 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 fumigant warning signs, as described in the "Placarding of Fumigated Areas" section of this labeling. Post the fumigant 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.

**Greenhouses — Soil or Space Fumigation:** Post the fumigant warning signs outside all entrances to the entire greenhouse (entire enclosed structure/building).

**Outdoor Soil Fumigation:** Post the fumigant warning signs at entrances to treated areas.

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

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

Two trained persons must be present during removal of tarpaulin. Specific instructions for application of 75-25 to field soils appear on label No. AM-210.

**Spill and Leak Procedures for Soil Fumigation:** In case of a spill or leak while applying fumigant, immediately stop tractor and mowers from the immediate area of the spill or leak. Wear the personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling for entry into affected area to correct problem. Make necessary repairs. Do not enter area until the fumigant has evaporated or the leak has been fixed.

Contaminated soil, water, and other cleanup debris is a toxic hazard. Report a spill to the National Response Center (800-424-8802) if the amount of spill exceeds 1000 lbs.

### GENERAL INFORMATION

75-25, a preplant soil fumigant, is used for the control of soil-borne insects, nematodes, and fungi. It is applied to soil at the time of planting.

Soil-borne fungi, including Verticillium, Fusarium, Phytophthora, Pyrenochaeta, Sclerotinia, Sclerotium, and other organisms, Plasmodiophora.

Nematodes (such as Criconemoides, Tylenchus, Pratylenchus, Paratylenchus, species)

Broadleaf and grassy weeds, such as annual bluegrass, lambsquarters, torpedograss, nutsedge, Bermudagrass and other species.

75-25 is not effective against mallow, filaree, dodder, and some other hard seeded weeds. Crops listed below can be planted.

### SOIL PREPARATION

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

### APPLICATION

Apply with chisels spaced from 12" to 18" apart, and inject 75-25 to a depth of 5 to 8" below soil surface. Seal fumigant with a drag or cultipacker immediately behind chisels and then cover with a gas-tight tarpaulin.

### DOSAGE TABLE

#### Crop To Be Planted:

Strawberries	.....
Tomatoes	.....
Pineapples	.....
Cauliflower	.....
Broccoli	.....
Muskmelons <sup>1</sup>	.....
Peppers	.....
Eggplants	.....
Floral Crops <sup>4</sup>	.....
Nursery Crops <sup>4</sup>	.....
Plant & Seed Beds <sup>3,4</sup>	.....

<sup>1</sup>Row or bed applications may be made at the broadcast rates but proportionately less per acre depending on the row spacing and width of bed. The usual chisel spacing for methyl bromide treatment is 12" and each chisel treats a 12" strip when injected at a depth of 5 to 8".

<sup>2</sup>Use the higher rates for nutsedge control.

<sup>3</sup>Plants grown for transplanting.

<sup>4</sup>Growing difficulties in treated soil may be experienced with Carnation, Holly, Multiflora Rosa, Salvia, Snapdragons, and certain other species.

<sup>5</sup>For use on muskmelons, (all Cucumis melo melons, excludes watermelon, Persian melons, honeydew melons, casabas, crenshaws, mango).

After 48 hours remove tarpaulin and allow the soil to aerate before planting. Pepper seeds can be direct seeded through the tarpaulin.

### PESTICIDE STORAGE, HANDLING AND DISPOSAL

**PESTICIDE STORAGE AND HANDLING:** Store in a dry, cool, well-ventilated area under lock and key. Post as a pesticide storage area.

Do not contaminate water, food or feed by storage. Store cylinders upright, secured to a rack or wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Transport cylinders using hand truck, fork truck or other device to which the cylinder can be firmly secured.

Do not remove valve protection bonnet and safety cap until immediately before use. Replace safety cap and valve protection bonnet when cylinder is not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, either contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance, or follow registrant's instructions for return of partially empty cylinders.

**CONTAINER DISPOSAL:** When cylinder is empty, close valve by turning clockwise until hand tight, screw safety cap onto valve outlet, and replace protection bonnet before returning to shipper. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Follow registrant's instructions for return of empty or partially empty cylinders.

#### RETURN OF CYLINDERS:

- (1) Cylinders are the property of the manufacturer or distributor where purchased and should be returned promptly by collect freight.
- (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 manufacturer or distributor for return instruction.
- (4) Containers should never be refilled by the consumer or used for any other product or purpose.

### SPECIFIC DIRECTIONS FOR USE

This fumigant is a highly hazardous material and should be used only by individuals trained in its proper use. Before using, read and follow all label precautions and directions, including those in the Manual for the Safe Handling and Application of Methyl Bromide Products, No. AM-210.

All persons working with this fumigant must be knowledgeable about the hazards, and trained in the use of required respirator equipment and detector devices, emergency procedures, and proper use of the fumigant (see Product Manual No. AM-210).

Do not fumigate with this product when soil temperature is below 50°F. at 6-8 inches.

**BEST AVAILABLE COPY**

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

Specific instructions for application appear in the Manual for the Safe Handling and Application of Methyl Bromide Products No. AM-210.

**Prior to Fumigation:** 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 fumigate alone. It is imperative always to have an assistant and proper protective equipment in case of accidents.

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 driver while fumigating.

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

Check fumigant pressure systems for leaks before beginning operation.

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

When fumigating 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 least 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 fumigation.

**During Fumigation:** This fumigant 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 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 trash is inadvertently pulled by the shanks to the ends of the field when fumigating, it must be covered by lifting 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 fumigant system is not under pressure. Do not open the system when there are people or structures downwind.

**After Fumigation:** 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 tarpaulin.

Two trained persons must be present during removal of tarpaulins.

Specific instructions for application of 75-25 to field soils appear in the Product Manual No. AM-210.

**Spill and Leak Procedures for Soil Fumigation:** In case of a rupture of hose or fitting while applying fumigant, immediately stop tractor and motor. Evacuate everyone from the immediate area of the spill or leak. Wear the personal protective equipment (including prescribed respirators) specified in the Hazards 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 spill has evaporated or the leak has been fixed.

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

### GENERAL INFORMATION

75-25, a preplant soil fumigant, is used for the control of soil-borne pests such as:

Wireworms, June beetle larvae, white grubs and garden symphylian in the soil at the time of planting.

Soil-borne fungi, including Verticillium, Fusarium, Pythium, Rhizoctonia, Phytophthora, Pyrenochaeta, Sclerotinia, Sclerotium, Armillaria, and the clubroot organism, Plasmodiophora.

Nematodes (such as Criconemoides, Tylenchus, Pratylenchus, Xiphinema and Paratylenchus, species)

Broadleaf and grassy weeds, such as annual bluegrass broomrape, common lambsquarters, torpedograss, nutsedge, Bermudagrass and quackgrass at higher rates.

75-25 is not effective against mallow, filaree, dodder, some species of clover, and certain other hard seeded weeds. Crops listed below can be treated.

This is a preplant or replant treatment for citrus trees and other harvestable fruit within 24 months. Use 75-25 for fumigation for 96 hours covering treated area to a depth of 4 feet. Aerate 2 weeks before planting.

Apply with chisels spaced 12 inches apart and pulled by a drag or cultipacker immediately behind the chisels. Remove tarpaulin after recommended exposure period before planting. If odors persist, discard tarpaulin.

Do not apply 75-25 when there is little or no wind.

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

\*Phytophthora diseases controlled are:

### NOTE:

Following soil fumigation, undesirable concentrations of fumigant may occur by areas. If this occurs, immediately cover treated area with tarpaulin on overnight and remove during next rain. If this indicates that the undesirable concentration is most likely to occur in the evening or at night, do not make application in movement. Do not make application if there is an inversion condition.

**NOTE CAREFULLY:** Following fumigation, soil pH may be raised. This is most likely to occur in soils that are acid and fertilizers are applied to soils that are acid. Fertilizers containing ammonium containing nitrates until after the crop is harvested. In order to avoid ammonia volatilization, fertilize as indicated by soil test results. If soil is above 65°F. in order to avoid ammonia volatilization, fertilize as indicated by soil test results. It is best that highly acid soils be limed before fumigation and reduce the possibility of ammonia volatilization.

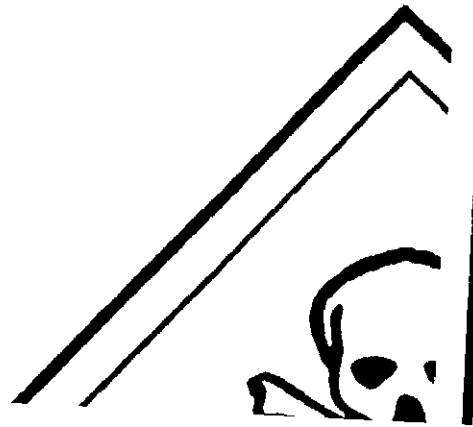
Many pesticidal chemicals are poisonous to humans and animals to which they are applied. The U.S. Food and Drug Administration has set maximum amounts of such pesticide residues at harvest, and it is the user's responsibility to avoid residues in excess of these amounts. The user should consult the best available information, and if residues are found at harvest, however, AmeriBrom does not assume accuracy nor for any loss due to exceedance of these amounts.

**WARNING:** Contains methyl bromide which is highly toxic to the environment by destroying the ozone layer.

## BEST AVAILABLE COPY BROMIDE

## CHLOROPICRIN

## UNION CARBIDE INHALATION



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**After Fumigation:** 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 tarpaulin.

Two trained persons must be present during removal of tarpaulins.

Specific instructions for application of 75-25 to field soils appear in the Product Manual No. AM-210.

**Spill and Leak Procedures for Soil Fumigation:** In case of a rupture of hose or fitting while applying fumigant, immediately stop tractor and motor. Evacuate everyone from the immediate area of the spill or leak. Wear the personal protective equipment (including prescribed respirators) specified in the Hazards 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 spill has evaporated or the leak has been fixed.

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

### GENERAL INFORMATION

75-25, a preplant soil fumigant, is used for the control of soil-borne pests such as:

Wireworms, June beetle larvae, white grubs and garden symphylan in the soil at the time of planting.

Soil-borne fungi, including Verticillium, Fusarium, Pythium, Rhizoctonia, Phytophthora, Pyrenochaeta, Sclerotinia, Sclerotium, Armillaria, and the clubroot organism, Plasmodiophora.

Nematodes (such as Criconemoides, Tylenchus, Pratylenchus, Xiphinema and Paratylenchus, species)

Broadleaf and grassy weeds, such as annual bluegrass broomrape, common lambsquarters, torpedograss, nutsedge, Bermudagrass and quackgrass at higher rates.

75-25 is not effective against mallow, filaree, 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 fumigation is being done to control nutsedge, till the soil to a depth of at least 15".

### APPLICATION

Apply with chisels spaced from 12" to 18" apart, and inject 75-25 to a depth of 5 to 8" below soil surface. Seal fumigant with a drag or cultipacker immediately behind chisels and then cover with a gas-light tarpaulin.

### DOSAGE TABLE

Crop To Be Planted:	Lbs. 75-25 per Acre <sup>1,2</sup>
Strawberries	240-320
Tomatoes	240-320
Pineapples	580-1163
Cauliflower	250-375
Broccoli	250-375
Muskmelons <sup>3</sup>	250-375
Peppers	250-375
Eggplants	250-375
Floral Crops <sup>4</sup>	200-1163
Nursery Crops <sup>4</sup>	200-1163
Plant & Seed Beds <sup>3,4</sup>	200-1163

<sup>1</sup>Row or bed applications may be made at the broadcast rates but the amount used will be proportionately less per acre depending on the row spacing and width of treatment in the row or bed. The usual chisel spacing for methyl bromide treatment is 12" and it is assumed that each chisel treats a 12" strip when injected at a depth of 5 to 8".

<sup>2</sup>Use the higher rates for nutsedge control.

<sup>3</sup>Plants grown for transplanting.

<sup>4</sup>Growing difficulties in treated soil may be experienced with Carnations, Conifers, Delphiniums, Holly, Multiflora Rosa, Salvia, Snapdragons, and certain other crops.

<sup>5</sup>For use on muskmelons, (all *Cucumis melo* melons, excludes watermelons), cantaloupes, Persian melons, honeydew melons, casabas, crenshaws, mango melons and their hybrids.

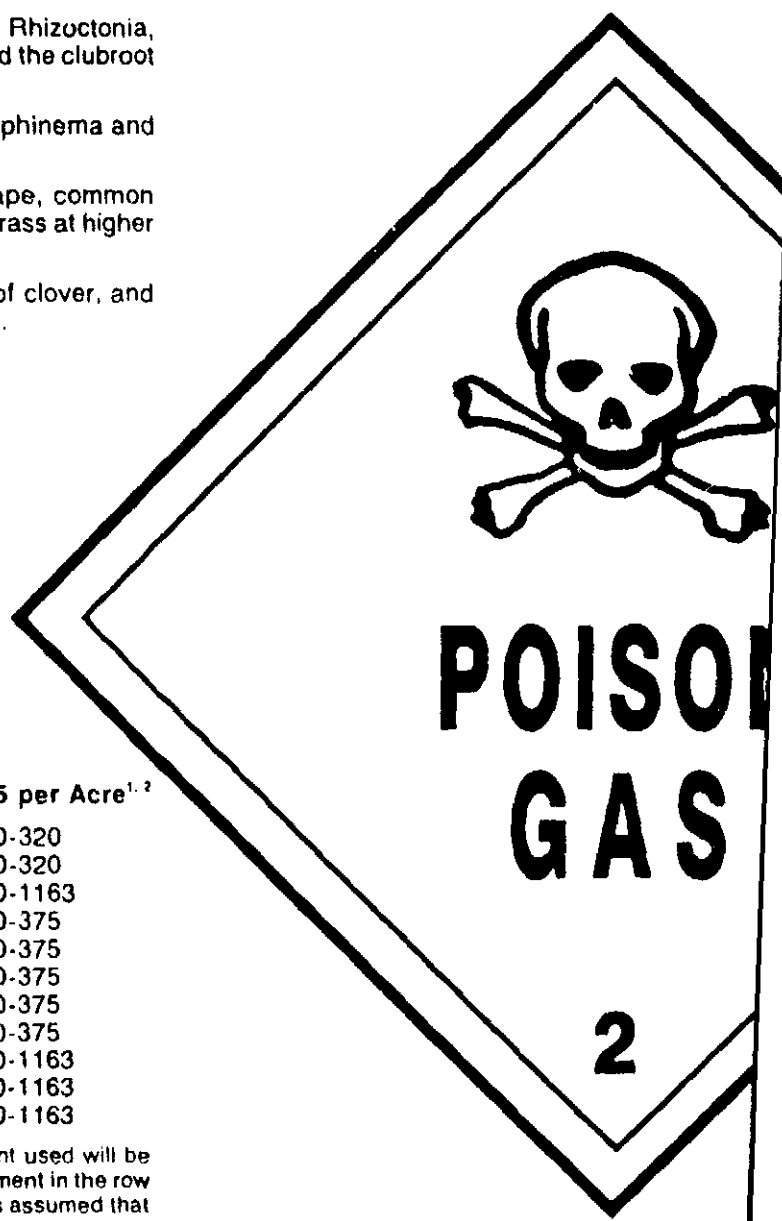
<sup>6</sup>After 48 hours remove tarpaulin and allow the soil to aerate for two weeks before planting. Pepper seeds can be direct seeded through the use of plug mix after 72 hours.

Many pesticidal chemicals are poisonous and may to which they are applied. The U.S. Food and Drug Administration limits the maximum amounts of such pesticide that may be applied at harvest, and it is the user's responsibility to see that crops at harvest in excess of these amounts. The user should follow the best available information, and if followed carefully, residues at harvest. However, AmeriBrom, Inc. assumes no responsibility for accuracy nor for any loss due to excessive residues.

**WARNING:** Contains methyl bromide, a substance that depletes the environment by destroying ozone in the stratosphere.

9 9 13

## CHLOROPICRIN AND METHYL BROMIDE MIXTURE UN 158 INHALATION HAZARD



**Warranty:** Seller warrants that the product is reasonably fit for the purpose stated on the label and directions under normal conditions of use, but does not warrant MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. This warranty is implied, extends to the use of this product under abnormal conditions, or under conditions not stated on the label, and the buyer assumes the risk of any such use. Buyer assumes the risk of any loss or damage from the use or handling of this material not in strict accordance with the directions on the label.

**BEST AVAILABLE COPY**

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

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

Application appears in the Manual for the Safe Handling and  
Fumigant Products No. AM-210.

Post all treated areas with warning signs.

Regulations and ordinances. Obtain an application permit from  
Agencies as required.

It is imperative always to have an assistant and proper protective  
equipment.

Equipment must advise other workers of all precautions and  
drivers must instruct their helpers in the mechanical opera-  
tion to safely work with the tractor and driver while fumigating.

Keep the open, with the operator "upwind" from the container  
ventilation.

Check systems for leaks before beginning operation.

Operator must be present during introduction of the fumigant.

When on a tractor, 5 gallons of water must be carried on the tractor  
readily accessible. In addition to water available on the tractor,  
additional water must be available from the service truck. This water  
in containers marked "Decontamination water not to be used

Removed from the field before starting fumigation.

This fumigant should not be applied when there is an  
inversion since uncomfortable concentrations of chloropicrin may drift  
downward. Immediately cover treated area with plastic tarpaulin for a minimum

Wait 15 minutes to turn at the end of a pass until fumigant has drained  
before closure of shutoff valve.

Turn the shanks to the ends of the field when fumigating,  
then turning the shanks, then covering the trash with polyethylene  
before the next pass.

Check shanks, be certain they are turned off and fumigant system  
must not open the system when there are people or structures

Remove pets, livestock, and other domestic animals out of the treated  
area during the exposure period as specified for applications in  
the Manual during removal of tarpaulin.

Operator must be present during removal of tarpaulins.

Application of 75-25 to field soils appear in the Product Manual

**Precautions for Soil Fumigation:** In case of a rupture of hose or  
equipment, immediately stop tractor and motor. Evacuate everyone  
in the area of the spill or leak. Wear the personal protective equipment  
(respirators) specified in the Hazards to Humans section of this  
Manual to correct problem. Approach from upwind to  
Do not enter area without the required PPE until the spill  
has been fixed.

and other cleanup debris is a toxic hazardous waste. Report  
to the National Response Center (800-424-8802) if the reportable quantity of

**GENERAL INFORMATION**

Fumigant is used for the control of soil-borne pests such as  
insect larvae, white grubs and garden symphylian in the soil

including Verticillium, Fusarium, Pythium, Rhizoctonia,  
Chaetomium, Sclerotinia, Sclerotium, Armillaria, and the clubroot  
disease.

and nematodes (Triconemoides, Tylenchus, Pratylenchus, Xiphinema and  
others)

and weeds, such as annual bluegrass broomrape, common  
grass, nutsedge, Bermudagrass and quackgrass at higher

and mustard, filaree, dodder, some species of clover, and  
weeds. Crops listed below can be treated.

**REPAIRATION**

This 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 1/2 lbs./100 sq. ft. Expose  
to fumigation for 96 hours covering treated area with a 4-mil tarpaulin. Will control  
disease to a depth of 4 feet. Aerate 2 weeks before setting transplants in treated area.

Apply with chisels spaced 12 inches apart to a depth of 8 inches. Seal fumigant with  
a drag or cultipacker immediately behind chisels. Cover with a gas-proof tarpaulin.  
Remove tarpaulin after recommended fumigation period and aerate soil for 2 weeks  
before planting. If odors persist, disc or plow the soil to assist aeration.

Do not apply 75-25 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.

**NOTE:**

Following soil fumigation, undesirable concentrations of chloropicrin 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 undesirable concentration is continuing. These concentrations are  
most likely to occur in the evening or at night when the air is most likely to be static  
in movement. Do not make application of 75-25 when there is little or no air move-  
ment or there is an inversion condition in the atmosphere.

**NOTE CAREFULLY:** Following fumigation, the level of soluble salts and ammonia  
nitrogen may be raised. This is most likely to occur when heavy rates of fumigant  
and fertilizers are applied to soils that are either acid, wet, cold, or high in organic  
matter. Fertilizers containing ammonium salts should not be used. Apply only fertilizers  
containing nitrates until after the crop is well established and the soil temperature  
is above 65°F. in order to avoid ammonia injury, nitrate starvation, or both. After  
fumigation, 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 reduce the possibility of ammonia toxicity.

**NOTICE**

Many pesticidal 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 pesticide that may remain on raw 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 "Fumigation Directions" are based  
on the best available information, and if followed carefully should not leave excessive  
residues at harvest. However, AmeriBrom, Inc. assumes no responsibility as to their  
accuracy 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**

**BEST AVAILABLE COPY**



is, livestock, and other domestic animals out of the treated area during the exposure period as specified for applications in the removal of tarpaulin.

be present during removal of tarpaulins.

ation of 75-25 to field soils appear in the Product Manual

**for Soil Fumigation:** In case of a rupture of hose or it, immediately stop tractor and motor. Evacuate everyone the spill or leak. Wear the personal protective equipment (ators) specified in the Hazards to Humans section of this ted area to correct problem. Approach from upwind to not enter area without the required PPE until the spill has been fixed.

d other cleanup debris is a toxic hazardous waste. Report use Center (800-424-8802) if the reportable quantity of

**GENERAL INFORMATION**

ant, is used for the control of soil-borne pests such as: larvae, while grubs and garden symphylian in the soil

ding Verticillium, Fusarium, Pythium, Rhizoctonia, eta, Sclerotinia, Sclerotium, Armillaria, and the clubroot ora.

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eds, such as annual bluegrass broomrape, common ass, nutsedge, Bermudagrass and quackgrass at higher

it mallow, filaree, dodder, some species of clover, and eeds. Crops listed below can be treated.

**PREPARATION**

ould be in condition for planting to support seed germination. If control nutsedge, till the soil to

**CAUTION**

om 12" to 18" apart, and inject low soil surface. Seal fumigant immediately behind chisels and tarpaulin.

**DOSAGE TABLE**

Lbs. 75-25 per Acre<sup>1, 2</sup>

- ..... 240-320
- ..... 240-320
- ..... 580-1163
- ..... 250-375
- ..... 250-375
- ..... 250-375
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e made at the broadcast rates but the amount used will be pending on the row spacing and width of treatment in the row g for methyl bromide treatment is 12" and it is assumed that hen injected at a depth of 5 to 8".

dge control

il may be experienced with Carnations, Conifers, Delphiniums, Snapdragons, and certain other crops.

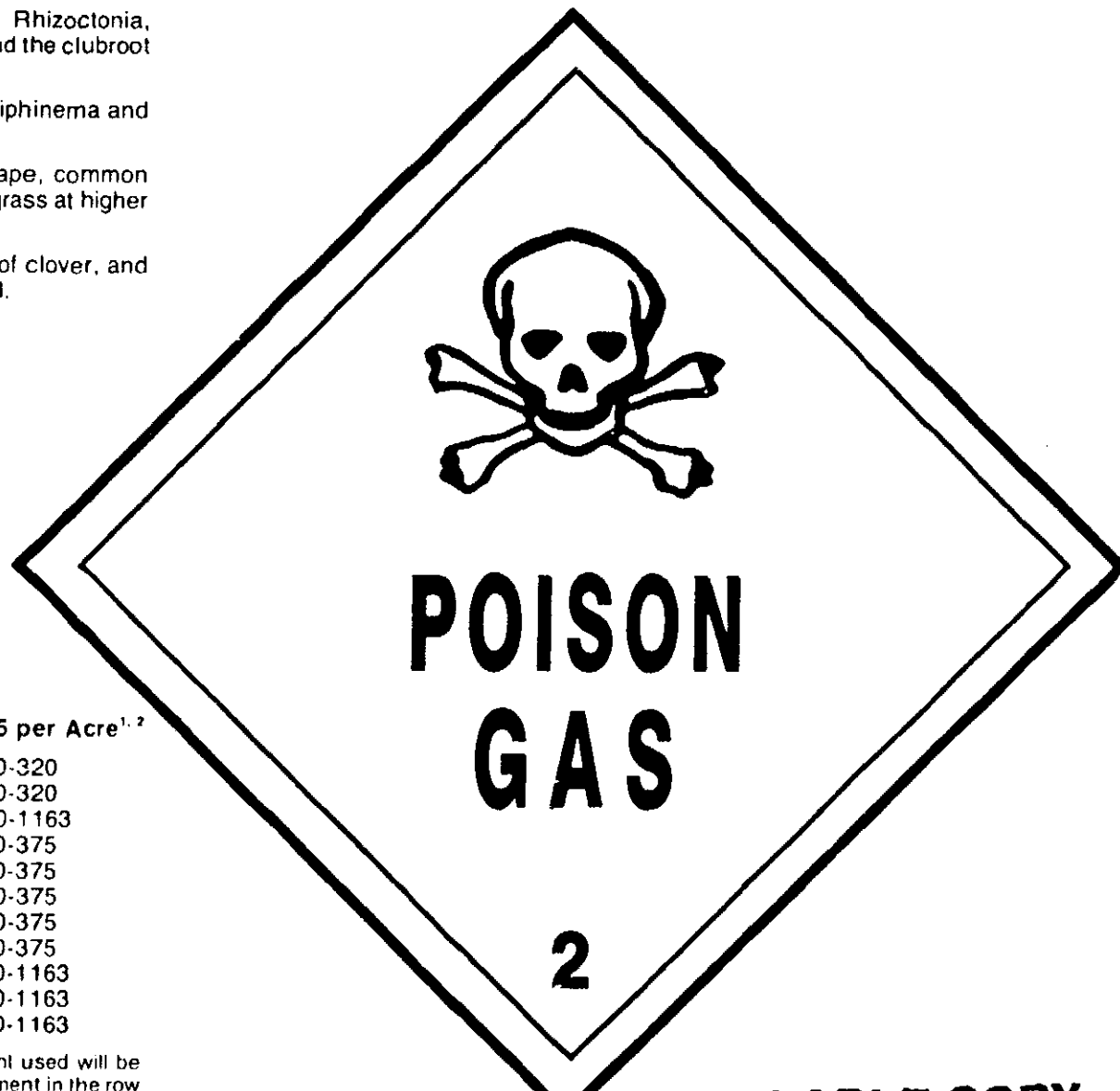
ucumis melo melons, excludes watermelons), cantaloupes, lons, casabas, crenshaws, mango melons and their hybrids.

ilin and allow the soil to aerate for two weeks before ve direct seeded through the use of plug mix after 72

Many pesticidal 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 pesticide that may remain on raw 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 "Fumigation Directions" are based on the best available information, and if followed carefully should not leave excessive residues at harvest. However, AmeriBrom, Inc. assumes no responsibility as to their accuracy 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**



**BEST AVAILABLE COPY**

**Warranty:** Seller 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 foreseeable to seller, and buyer assumes the risk of any such use. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

12/13

# BEST AVAILABLE COPY

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS

**DANGER**  
HIGH ACUTE TOXICITY

Extremely hazardous liquid and vapor under pressure. Do not breathe vapor. Inhalation or ingestion may be fatal or cause serious acute illness 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 irritating to the upper respiratory tract, and even at low levels can cause painful irritation to the nose and throat, and to the eyes, producing tearing. If these symptoms occur, leave the fumigation area immediately. Continued exposure after irritation is evident, or higher concentrations, may cause painful irritation to the eyes or temporary blindness, which may cause panic that may in turn lead to further accidents.

**NOTE TO PHYSICIAN:** Early symptoms of overexposure are intense lachrimation and irritation of mucous membranes, dizziness, headache, nausea and vomiting, weakness and collapse. Lung edema may develop in 2 to 48 hours after exposure, accompanied by cardiac irregularities; these effects are the usual cause of death. Repeated overexposure can result in blurred vision, staggering gait and mental imbalance, with probable recovery after a period of no exposure. Blood bromide 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 lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the 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 electrical equipment.

**CHEMICAL HAZARDS:** Do not use application devices incorporating natural rubber or aluminum or magnesium or their alloys; 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/m<sup>3</sup>). The acceptable air concentration for persons exposed to methyl bromide is 5 ppm (20 mg/m<sup>3</sup>). 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 ventilated long-sleeved shirt and long pants.  
Shoes and socks.

Full-face shield or safety glasses with brow and temple shields when handling the liquid product (Do NOT wear goggles.) When the air concentration level is above

**RESTRICTED USE PESTICIDE  
DUE TO ACUTE TOXICITY**

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

# 75-25 PREPLANT SOIL FUMIGATION

FOR CONTROL OF NEMATODES, WIREWORMS, WEEDS,  
FUNGUS DISEASES, GRUBS, AND SOIL-BORNE INSECTS

### ACTIVE INGREDIENTS:

METHYL BROMIDE .....

CHLOROPICRIN .....

INERT INGREDIENTS .....

TOTAL .....

**ACUTELY TOXIC CHEMICAL**

1.3 LBS Active Ingredient per Gallon LIQUID IN CONTAINER

**BEFORE**  
KEEP OUT OF REACH OF CHILDREN

**DANGER**  **PELIGRO**

**POISON**

BEST AVAILABLE COPY

RESTRICTED USE PESTICIDE  
DUE TO ACUTE TOXICITY

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.

75-25  
PREPLANT  
SOIL FUMIGANT

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

<b>ACTIVE INGREDIENTS:</b>	<b>By Wt.</b>
METHYL BROMIDE .....	74.7%
CHLOROPICRIN .....	24.8%
INERT INGREDIENTS .....	0.5%
TOTAL .....	100%

ACUTELY TOXIC CHEMICAL

14.3 LBS. Active Ingredient per Gallon (LIQUID IN CYLINDER)

**BEFORE**  
KEEP OUT OF REACH OF CHILDREN

**DANGER**  **PELIGRO**

**POISON**

Do not allow entry by unprotected persons into the fumigated area until signs are removed. Such signs must only be removed when the air concentration of chloropicrin is measured to be less than 0.1 ppm AND the air concentration of methyl bromide is measured to be less than 5 ppm. Signs must remain during the entire posting period.

Only a certified applicator (or someone under his/her supervision) may remove warning signs at entrances to fumigated structures.

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, nurseries, and greenhouses, and of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions, 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 elsewhere on this labeling relieve users from complying with the requirements of the WPS.

ENTRY RESTRICTIONS:

**Greenhouse Soil Fumigation:** 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 48 hours after application AND until the air concentration level of chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm. Until the aeration of the soil is complete (usually 3-5 days), non-handlers are permitted in the greenhouse ONLY while the air concentration level of chloropicrin in their working area remains less than 0.1 ppm AND the air concentration level of methyl bromide in their working area remains less than 5 ppm. If tarps are used for the application, non-handler entry is prohibited during tarp removal and until the air concentration level of chloropicrin in the working area is measured to be less than 0.1 ppm AND the air concentration level of methyl bromide in the working area is measured to be less than 5 ppm.

**Outdoor Soil Fumigation:** Entry (including early entry that would otherwise be permitted under the WPS) by any person — other than a correctly trained and equipped handler who is performing a handling task permitted on the WPS — is PROHIBITED from the start of application until 48 hours after application. In addition, if 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 or posting fumigant warning signs, as described in the "Placarding of Fumigated Areas" section of this labeling. Post the fumigant warning sign instead of the "No Entry" sign for this application, but follow all WPS requirements pertaining to legibility, size, and timing of posting and removal.

**Greenhouses — Soil or Space Fumigation:** Post the fumigant warning sign outside all entrances to the entire greenhouse (entire enclosed structure).

STATEMENTS  
RESTRICTED ANIMALS

CITY 13913

pressure. Do not breathe vapor. Serious acute illness or delayed lung disease, serious skin or eye injury which may be permanent, in eyes or on clothing.

and tear gas. Chloropicrin vapor is irritating. Even at low levels can cause painful eye irritation producing tearing. If these symptoms continue after irritation is removed, continued exposure after irritation is removed may lead to further accidents.

Exposure are intense lachrimation, eye irritation, headache, nausea and vomiting, which may occur in 2 to 48 hours after exposure. These symptoms are the usual cause of death. Staggering gait and mental impairment may occur after exposure. Blood bromide levels may be elevated. Treatment is symptomatic.

Toxic to wildlife. Do not discharge into ponds, estuaries, oceans, or public waterways and addressed in an NPDES permit. Do not discharge to sewer systems without local authority. For guidance contact your local health department.

Do not use near open flames, or sparking electrical equipment.

Washes incorporating natural rubber gloves. Use water to clean them (Diesel fuel).

LEVEL

Exposure to chloropicrin is 0.1 ppm. Persons exposed to methyl bromide should be measured by a direct reading instrument.

EQUIPMENT

Wear long pants.

Wear eye shields when handling the product if the air concentration level is above 0.1 ppm.