04/04/1999 orm Approved, OMB No. 2070-0060. Approval expires 2-28 ctions on reverse before completing form **OPP Identifier Number** Registration **United States Environmental Protection Agency Amendment** 230091 Washington, DC 20460 Other Application for Pesticide - Section I 1. Company/Product Number 2. EPA Product Manager 3. Proposed Classification Mary Waller 8853-2 None Restricted 4. Company/Product (Name) PM# 21 MBC Concentrate Soil Fumigant 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) Hendrix and Dail, Inc. (b)(i), my product is similar or identical in composition and labeling P. O. Box 648 NOTIFICATION Greenville, NC 27835-0648 EPA Reg. No. APR 2 9 1999 Check if this is a new address **Product Name** Section - II Amendment - Explain below. Final printed labels in response to Agency letter dated "Me Too" Application. Resubmission in response to Agency letter dated. Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Section II.) Product chemistry notification to add and/or change source(s) for active and inert ingredients, per PR Notice 98-10 (see also attached). There was also a mistake in the "weight" statement on the label, so I am changing it to be consistent with the CSF, see copy of specimen label, attached. dut 6 3/25/99 Section - III 1. Material This Product Will Be Packaged In: Unit Packaging Child-Resistant Packaging Water Soluble Packaging 2. Type of Container Metal Yes' Yes **Plastic** X No Nο Nο Glass If "Yes" Paper If "Yes" No. per No. per * Certification must Unit Packaging wgt. container Package wgt container Other (Specify) *ubmitted* 4. Size(s) Retail Container (pounds) 5. Location of Label Directions 3. Location of Net Contents Information On Label 50,100,150,200,360,1500 Container On Labeling accompanying product Lithograph 6. Manner in Which Label is Affixed to Product Other Paper glued Stenciled Section - IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Title Telephone No. (Include Area Code)
Regulatory Affairs Specialist (831). 637-0195 Name Mardel Belotinsky Certification 6. Data Application - P.ccaived 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 of (Stamped) both under applicable law. Regulatory Affairs Specialist 4. Typed Name 5. Date March 25, 1999 Mardel Belotinsky

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Specimen Label

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.

MBC Concentrate Soil Fumigant

ACTIVE INGREDIENT: Methyl Bromide
INERT INGREDIENT: Chloropicrin
(added as a warning agent)

TOTAL:

98%
2%
100%

To control many weeds, grasses, nematodes, and insect pests in soils to be planted to food crops, field crops, turf areas and nurseries

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISO

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

IN ALL CASES OF EXPOSURE
GET MEDICAL ATTENTION IMMEDIATELY.
TAKE PERSON TO A DOCTOR OR
AN EMERGENCY TREATMENT FACILITY.

FIRST AID

IF INHALED: Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration. Give oxygen if needed. Do not give anything by mouth to an unconscious person. Seek medical attention.

IF ON SKIN: Immediately remove contaminated clothing, shoes, and other items covering the skin. Wash contaminated skin area thoroughly with soap and water. IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

NOTE TO PHYSICIAN

Early symptoms of overexposure are 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 occurence, but not the degree, of exposure. Treatment is symptomatic.



Hendrix and Dail, Inc.

1101 Industrial Boulevard Greenville, NC 27834 (252) 758-4263

EPA Reg. No. 8853-2

EPA Est. 8853-FL-1 8853-GA-1 8853-KY-2 8853-NC-1 8853-NC-2

NOTIFICATIONS

METHYL BROMIDE/CHLOROPICRIN MIXTURE, LIQUID
WEIGHT: 14.4 POUNDS PER GALLON NET CONTENTS: 200 LBS.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: DANGER

EXTREMELY HAZARDOUS LIQUID AND VAPOR UNDER PRESSURE. INHALATION MAY BE FATAL OR CAUSE SERIOUS ACUTE ILLNESS OR DELAYED LUNG OR NERVOUS SYSTEM INJURY. DO NOT BREATHE VAPORS. LIQUID OR EXCESSIVE 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 AS A WARNING ODORANT. CHLOROPICRIN MAY BE IRRITATING TO THE UPPER RESPIRATORY TRACT, AND EVEN AT LOW LEVELS CAN CAUSE PAINFUL IRRITATION TO THE EYES, PRODUCING TEARING. IF THESE SYMPTOMS OCCUR, LEAVE THE FUMIGATION AREA IMMEDIATELY.

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 level for persons exposed to methyl bromide is 5 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 ventilated long-sleeved shirt and long pants

- Shoes and socks
- Full-face shield or safety glasses with brow and temple shields when handling 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 furnigation conditions, the air 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 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 leak or spill.

WORK SAFETY REQUIREMENTS

- Do not wear jewelry, gloves, goggles, tight clothing, rubber protective clothing, or ubber boots when handling. Methyl bromide and chloropicrin are heavier than air and can be trapped inside clothing and cause skin injury.
- If liquid fumigant splashes or spills on clothing, remove them at once, as fumes will be an intolerable source of irritation.
- Immediately after application remove outer clothing, shoes, and socks. Do not reuse contaminated clothing or shoes until cleaned. Keep and wash the clothing and shoes 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 manufacturer's instructions for cleaning/maintaining protective eyewear, face shields 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.

ENVIRONMENTAL HAZARD

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 Pollution 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.

CHEMICAL HAZARD

Do not use containers or application equipment made of magnesium, aluminum, or their alloys, as under certain conditions this furnigant may be severely corrosive to such metals. Do not permit water to be used to clean the furnigant pressure system as corrosion will result. Diesel oil is satisfactory for this purpose.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in any 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.

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
- name, address, and telephone number of the applicator

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. Warning signs are available from your dealer or distributor.

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 Furnigation: Entry (including early entry that would otherwise be permitted under the WPS) by any person—other than a correctly trained and equipped handler who is parforming a handling task permitted by the WPS— is PROHIBITED in the entire greenhouse (entire enclosed building/structure) from the start of application until 48 hours after application AND until the air concentration 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 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 Furrigation: 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 furnigant warning signs, as described in the "Placarding of Furnigated Areas" section of this labeling. Post the furnigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size, and timing of posting and removal. Greenhouses—Solf Furnigation: Post the furnigant warning signs outside all entrances to the entire greenhouse (entire enclosed building/structure). Outdoor Soil Furnigation: Post the furnigant warning signs at entrances to treated areas.

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

· GENERAL INSTRUCTIONS AND INFORMATION

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. 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.

PESTS CONTROLLED

- NEMATODES, INCLUDING: root-knot app. Tylenchulus, Pratylenchus, Xiphinema, Criconemoides, and Paratylenchus.
- SOIL BORNE FUNGI, INCLUDING: Pythium, Rhizodonia, Phytophthora, Pyrenochaeta, Scienotium, Armillaria, and the clubroot organism, Plasmodiophora.
- WEEDS AND WEED SEED: Seeds, roots, stolons, and bulbs of broadleaf weeds and grasses including quackgrass, annual bluegrass, broomrape, common lambsquarters, torpedograss and Bermuda grass. Not effective against mellow, dodder, and some species of clover.
- INSECTS IN THE SOIL AT THE TIME OF TREATMENT, INCLUDING: Wireworms, June beetle larvae, white grubs, and garden symphylan.

PRETREATMENT SOIL PREPARATION

- Plow or rip the soil to the depth to which effective treatment is required. The soil should be worked until free of clods or large lumps.
- Residue from previous crops should be worked into the soil to allow for decomposition prior to furnigation.
- Soil moisture should be optimum for seed germination. Coarse textured soils can be furnigated with higher moisture content than fine textured soils. For best results, soil should be kept moist for at least four days prior to treatment.
- On not furnigate if the soil temperature is below 50°F. For best results, furnigate when soil temperature is 60°F at the depth of 6 inches.

USE PRECAUTIONS

PRIOR TO FUMIGATION

- Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies as required.
- Never furnigate 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 afely work with the tractor and driver while furnigating.
- Handle this furnigant in the open, with the operator "up wind" from the container where there is good ventilation.
- Check fumigent pressure system for leaks before beginning operation.
- Two trained persons must be present during introduction of the fumigent.
- 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 of additional water must be evailable from the service truck. This water must be potable and in containers marked "Decontamination water not to be used for drinking."
- · Field should be reasonably free of trash before starting the furnigation.
- · Post all treated areas with warning signs.

DURING FUMIGATION

- This furnigant 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 when the injection depth is less than 10 inches.
- Do not lift injection shanks to turn at the end of a pass until furnigant 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 furnigant system is not under pressure.
- Do not open the system when there are people or structures downwind where exposures above the permissible exposure levels could occur.

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 the tarpaulin.

SPILL AND LEAK PROCEDURES FOR SOIL FUMIGATION In case of a rupture of hose or fitting while applying fumigant, immediately stop tractor and motor,

- in case or a rupture or nose or mixing write applying rumigant, immediately stop tractor and motor
 Event stellar eventure from the immediate area of the shift or leak
- 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.
 NOTE CAREFULLY
- Furnigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and furnigant are applied to soils that are either cold, wet, ecid, or high in organic matter. To avoid injury to plant roots, fertilize as indicated by soil tests made after furnigation. To avoid ammonia injury and/or nitrate starvation to crops, avoid using fertilizers containing ammonium salts and use only fertilizers containing at least 30% nitrates until the crop is well established and the soil temperature is above 65 degrees F. Certain crops are tolerant to ammonia; therefore, the above rule does not apply to them. Liming highly acid soils before furnigation stimulates nitrification and reduces the possibility of ammonia toxicity.
- Avoid reinfestation of treated soil. Do not use transplants, tools, or crop remains infested with soil-borne plant parasitic pasts and weed seeds. Clean applicator carefully before and after use. Do not contaminate furnigated areas by walking from unfurnigated to furnigated soil. If the treated area is in a location where flooding or washing is possible after rains, plow a furrow or make a trench around it for proper drainage. Wooden frames around the beds are also satisfactory for preventing this type of contamination.
- MBC Concentrate soil furnigant is toxic to plants; therefore, do not apply to areas containing roots or desirable vegetation. The edge of the cover should be at least 18 inches beyond foliage drip line of living plants.
- Do not spill or discharge contents outside ground cover.
- Some difficulty has been experienced through the use of MBC Concentrate on soil planted to the following crops: conifers, salvia, snapdragons, carnation, multiflora roses, Burford's Chinese holly, as well as certain other plants. Furnigate on a small scale until safety to all plants is determined under growing conditions.

APPLICATION INSTRUCTIONS

• FIELD FUMIGATION For overall application, inject MBC Concentrate with a chisel type applicator, having the chisels injection points spaced no more than 12 inches apart and injecting the fumigant to a minimum depth of 6 to 8 inches below the soil surface. The soil surface must be covered immediately after treatment with simultaneous film laying equipment or by sealing with a roller or cultipactor and covering within 20 minutes with polyethylene film or other suitable cover. To seal the fumigant after application, drag or cultipack immediately behind chisels or cover with a gas-tight terpaulin. See Dosage Table for proper rate of application.

DOSAGE TABLE - SOIL FUMIGATION USES			
TREATMENT SITE	RATE LBS./ACRE	EXPOSURE TIME (HRS.)	
Field soils to be planted to:			
Ali food crops	180 - 240	24 - 48	3 - 14
Non-food and non-feed crops	180 - 435	24 - 48	7 - 30:
Field soils to be planted to:	400 - 8701	24 - 48	10 - 30
Citrus, deciduous fruits & nuts, vineyards	435 - 870 ³	24 - 48	10 - 30
Nursery, Turf, and Ornamentals Soil: Turf, lawns, parks, golf greens, athletic fields, recreational turf areas, omamentals, floral crops, forest tree seedlings	180 - 800	24 - 48	10 - 30
Greenhouse Soils:			
Non-Food Crops	180 - 435	24 - 48	10 - 30
Food Crops	180 - 240	24 - 48	10 - 30
Seed or Transplant Beds: Non-Food and Food Crops Tobacco	180 - 435 872	24 - 48 24 - 48	7 - 30 7 - 30
Potting Mix	1 lb/cu, yd.	24 - 48	1

- I) Use the higher rates for muck and heavy clay soils.
- 2) Deep injection application.
- 3) Topical application.
- 4) For control of armillaria mellea, increase exposure time to 7 days.
- 5) Waiting period from time of fumigation to planting.
- 6) Under adverse conditions, test the soil for the presence of methyl bromide with a draeger detector before planting.

RAISED TARP FUMIGATION METHOD

Support the center of the cover to provide a small gas dome. Inflated plastic bags, crumpled fertilizer bags, burlap bags stuffed lightly with hay or straw, inverted baskets, flowerpots or bottles placed in the soil may be used for support. Evaporating pans are essential for the volatilization and uniform dispersion of furnigant. Shallow pans or basins made of plastic or tin are satisfactory for this purpose.

- 1. Use one evaporator pan for each 300 to 400 square feet of area.
- Anchor one end of each polyethylene tube into an avaporating pan with tape or a suitable weight. This insures that the liquid will be directed into the evaporating pan.
- 3. Extend the free ends of the polyethylene tubes outside of the area to be covered.
- After the supports and tubing are in place, cover the area to be furnigated with a gas proof cover
 of potyethylene or coated fabric film.
- Seal the outside edges with 6 to 10 inches of soil. Tamp the soil down so edges will not pull loose.
 Attach a polysthylene tube to the cylinder valve outlet and open. Use a cylinder dispenser or scale to meter small amounts.

HOT GAS METHOD

The "hot gas method" consists of using a commercially manufactured heat exchanger, or a copper coil immersed in a vessel containing hot water, to vaporize the furnigant before introduction. This method may be useful where large amounts of furnigant are required and rapid vaporization is advantageous.

<u>DOSAGE</u>: Use one to two pounds of MBC Concentrate per 100 square feet for an exposure time of 24 hours when soil temperature is 60°F or higher. Methyl Bromide penetrates the soil to the depth it has been plowed or ripped. When soil temperature is between 50°F and 60°F, extend the exposure time to 48 hours. Do not treat when soil temperature is below 50°F.

POTTING MIX FUMIGATION DIRECTIONS

Potting mixes, including decomposed compost, soil mixes and manure, can be furnigated with MBC Concentrate. Furnigation should take place outdoors or in a well ventilated area away from desirable plants or occupied buildings. The material to be treated should have a temperature of 60°F or above. be loose and moist enough for good seed germination. To insure a good seal, pile the material to a depth of 18 inches on a concrete floor or on wet ground. Piles two to three feet high can also be treated provided perforations are made in the pile surface at one foot intervals to assist penetration. Once the pile has been made, install supports to hold the cover a few inches above the pile surface to aid in proper furnigant diffusion. Place the outlet of the applicator tube or tubes in evaporating pans spaced about 30 feet apart on the pile surface. Cover with a polyethylene sheeting or other gas confining material of 4 mil. or greater thickness. Seal the edges by burying, covering with moist sand, or soil or by means of sand snakes. Introduce the furnigant into the evaporating pans as a liquid or by means of the hot gas method. Consult Table for proper dosage and exposure time. Aerate for 24 to 72 hours before planting. Potting mixes in flats may also be treated. Arrange the flats in loose criss-cross stacks no more than 5 feet high, then cover and she' as described above. Introduce the furnigant at the top and in the center of the stack into evaporating pans or by means of the hot gas method at a rate of 4 pounds per 100 cubic feet. Use one injection point for each 100 cubic feet of volume. Expose for 24 to 48 hours. Aerate for 24 hours.

• TREE SITE FUMIGATION DIRECTIONS (For Use in Florida Only)

Preplant or reptant furnigation of citrus soil for conunctiful ?!!/nuphthora and citrus rematodes in Florida sandy soils. Trees that are planted in this treated; soil will not bear harvestable fruit for a period of at least 24 months. Apply with chisels spaced 12 inches spart to a depth of 6 to 8 inches. Seal furnigant with a drag or cultipacker following immediately behilive outsets. Apply MBC concentrate Soil Furnigant at the rate of 1 pound per 100 square feet. Immediately cover with 9.4 mit, tarp and expose to furnigation for 98 hours. This treatment will control disease to a depth of 4 feet. Remove cover and serate 2 weeks before setting transplants in treated at us.

• SPECIAL INSTRUCTION FOR THE CONTROL OF ARMILLARIA MELLEA (OAK **ROOT FUNGUS)**

ON DECIDUOUS FRUITS AND NUTS, CITRUS, AND VINEYARDS

PRETREATMENT SOIL PREPARATION: To obtain the maximum control of Armillaria mellea with MBC Concentrate Soil Furnigant, soil must be dry to a depth requiring treatment. This can be accomplished by: (a) planting

sudangrass in the Spring, irrigating until the grass has established itself, then withholding further imigation;

(b) naturally, by allowing plants to grow without irrigation. When soil is dry, cut and remove grass,

and debris. Rio soil to a depth of 36 inches and disc to smoothness.

DOSAGE AND METHOD OF APPLICATION: This is a preplant or replant treatment. Crops that are lanted in this treated soil will not bear harvestable fruit for a period of at least 12 months. Methods and rate of application are as follows:

☐ Non-Tarp Chisel Application (not for use in California): After the soil has been properly prepared, inject 400 to 870 pounds of MBC Concentrate Soil Furnigant per acre by chisel application with chisels speced up to 68

inches apart to a depth of 24 to 30 inches. In the row strip, treatments may be made by using a single shank

Chisels should have a wing welded on the back 2" to 4" above the chemical outlet to partially break

chisel mark. To fill in the chisel mark and seal the surface, disc and ringroll immediately after furnigant injection. Be sure that the disc and ringroller cover an area sufficiently beyond the chisel lines to effect a good seal.

☐ Tarp Chisel Application: After the soil has been properly prepared, apply 400 to 870 pounds of furnigant per acre by chisels spaced up to 66 inches apart, as described above, and cover with adequate polyethylene film seal.

Deep Injection Auger-Probe Treatment: Use one pound of MBC Concentrate Soil Fumigant in light soils (two pounds in fine-textured soils) to a depth of 38 inches or more below the soil surface. Assume one injection site per 100 square feet (on a 10 ft. x 10 ft. grid pattern) with the injection in the center of the area to be treated. EXPOSURE AND AERATION PERIOD: To insure the proper time-concentration relationship to control oak root fungus for chisel applications, we recommend a sevenday exposure period before removing the polyethylene film cover, and a one day interval with Deep Injection Auger-Probe Treatment, after which planting or replanting of trees, vines, or other deep-rooted crops may begin 14 days later.

NON-TARP NEMATODE CONTROL

For control of nematodes including Meloidogyne spp, Xiphinema spp, Criconemoides, Pratylenchus, and Paratylenchus on crops such as deciduous fruits, nuts, citrus, and vineyards. This

preplant or replant treatment. Do not apply to soil where trees or vines will bear harvestable fruit within 12

months. A waiting period of at least 14 days should be observed between application and planting. PRETREATMENT SOIL PREPARATION: Plow or rip the soil to the depth to which effective treatment is required. The soil should be worked until free of clods or large tumps and residue from previous crops should be worked into the soil to allow for decomposition prior to furnigation. To insure maximum furnigant penetration the soil at the point of injection should not contain more than 5 to 15% moisture depending on soil type. However, to improve sealing, the soil surface may be moistened by means of a sprinkler application of 1/4 to 1/2 inch of water prior to final preparation and application. For best results, furnigate when the soil temperature is above 60°F at the depth of 6 inches. Do not furnigate when soil temperature is below 50°F.

DOSAGE AND METHOD OF APPLICATION:

Chisel Application: After the soil has been properly prepared inject 400 to 870 pounds of MBC Concentrate per ecre by chisel application with chisels spaced up to 68 inches apart to a depth of 48 up to 24 inches. In the row strip, treatments may be made by using a single shank. To fill in the chisel mark and seal the surface, disc and ringroll immediately after furnigent injection. Be sure that the disc and ringroller cover an area sufficiently beyond the chisel lines to effect a good seal.

☐ Deep Injection Auger-Probe Treatment: Use one pound of MBC Concentrate per injection site in lighter soils; two pounds in fine textured soils. Use one injection site per 100 square feet (on a 10 ft. x 10 ft. grid pattern) with the injection in the center of the area to be treated. Tamp or compact the

NOTE: MBC Concentrate used without a tarp or under very dry conditions will not usually control most weed seeds. However, some control may be observed on deep-rooted perennials such as morning-glory (birdweed) and rhizomas of Johnson grass.

GREENHOUSES

The use of methyl bromide and chloropicrin in enclosed spaces presents a special hazard to humans and plant life. Before furnigation, train all personnel involved in furnigation (including use of safety equipment). When used for furnigation of enclosed spaces, two persons trained in the use of this product must be present during introduction of the furnigant, initiation of seration, and after seration when testing for reentry. Follow USE PRECAUTIONS. Follow directions for row application with doors open and fans running. After application and tarping, secure and post the structure to prevent unprotected persons and domestic animals from entering. After the exposure period, open doors and turn on fans prior to removing targaulins.

 On-Site Protective Equipment: Although this furnigant contains chloropicrin, the absence of chloropicrin does not always indicate the absence of methyl bromide. Do not allow any person to enter the furnigated structure without the appropriate protective equipment from the time of injection of the furnigant until acceptable air concentration level readings are obtained using an approved detector. To maintain adequate safety standards, the following equipment must be present and accessible on the site during the entire furnigation operation: (1) one or more self-contained breathing apparatus; (2) one or more replacement air bottles per breathing apparatus; and (3) one or more halide leak detectors

After Fumigation: At the end of the exposure period, remove all seals and open all doors and windows that are operational. Allow for complete ventilation. Use ventilation fans whenever possible to remove furnigent from dead air pockets. Follow exactly the instructions in the entry restriction section of the AGRICULTURAL USE REQUIREMENTS box.

STORAGE AND DISPOSAL

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. Persons moving, handling, or opening containers must wear the personal protective equipment (including prescribed respirators when necessary) specified in the Hazard to Humans section of this labeling. Open container only in a well-ventilated area. 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 stings, 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. When cylinder is empty, close valve, 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. RETURN CYLINDERS TO: Hendrix and Dail, Inc.

1101 Industrial Boulevard Greenville, NC 27834

Cylinders are the property of Hendrix and Dail, Inc. and should be returned promptly by collect auto freight. When a cylinder is partially full and there is no further requirement for the product, contact. Hendrix and Dail, Inc. at (919) 758-4263 for return instructions. SHIPPING: This furnigant is classified in the U.S. Department of Transportation Hazardous.

Materials Regulations as Methyl Bromide, 2.3, UN 1052, Poison-Inhalation Hazard, Hazard Zone C and no exemptions from specifications, packaging, marking, or labeling are allowed. Describe empty cylinders as having last contained. Methyl Bromide (inhalation hazard). Do not ship with foods, feeds, or clothing.

SPILL AND LEAK PROCEDURES: Evacuate everyone from the immediate area of the spill

or leak. For entry into affected area to correct problem, wear the personal protective equipment (including prescribed respirator) specified in the Hazard to Humans section of this labeling. Move leaking or damaged containers outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow spilled furnigant to evaporate. Only correctly trained and PPE-equipped handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until 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. 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.

DISPOSAL: Do not contaminate water, food, or feed by disposal. Pesticide wastes are toxic. improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. if these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

WARRANTY DISCLAIMER

NOTICE: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the lake; v.hnn used in accordance, with directions under normal conditions of use, but neither this warranty no; any 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.