

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of 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.

MC[®] NEMASTER[™]

TO CONTROL MANY WEEDS, GRASSES, NEMATODES
AND INSECT PESTS IN PLANT BEDS AND NURSERIES

DANGER

KEEP OUT OF REACH OF CHILDREN
HIGHLY VOLATILE LIQUID
LIQUID MAY CAUSE BURNS
VAPORS MAY BE FATAL IF INHALED
Do Not Breathe Vapor Keep Away from Heat
Do Not Get in Eyes, on Skin, on Clothing

This product is a highly volatile liquid which contains a highly volatile solvent. It is extremely flammable and may ignite if exposed to an open flame or other source of heat. It is also highly toxic and may cause severe burns if it comes in contact with the skin or eyes. It is also highly toxic if inhaled. It is also highly toxic if it is swallowed. It is also highly toxic if it is absorbed through the skin. It is also highly toxic if it is absorbed through the lungs. It is also highly toxic if it is absorbed through the stomach. It is also highly toxic if it is absorbed through the intestines. It is also highly toxic if it is absorbed through the kidneys. It is also highly toxic if it is absorbed through the liver. It is also highly toxic if it is absorbed through the spleen. It is also highly toxic if it is absorbed through the pancreas. It is also highly toxic if it is absorbed through the gallbladder. It is also highly toxic if it is absorbed through the biliary system. It is also highly toxic if it is absorbed through the urinary system. It is also highly toxic if it is absorbed through the excretory system. It is also highly toxic if it is absorbed through the reproductive system. It is also highly toxic if it is absorbed through the endocrine system. It is also highly toxic if it is absorbed through the nervous system. It is also highly toxic if it is absorbed through the circulatory system. It is also highly toxic if it is absorbed through the respiratory system. It is also highly toxic if it is absorbed through the digestive system. It is also highly toxic if it is absorbed through the excretory system. It is also highly toxic if it is absorbed through the reproductive system. It is also highly toxic if it is absorbed through the endocrine system. It is also highly toxic if it is absorbed through the nervous system. It is also highly toxic if it is absorbed through the circulatory system. It is also highly toxic if it is absorbed through the respiratory system. It is also highly toxic if it is absorbed through the digestive system.



POISON



SEND FOR A DOCTOR IMMEDIATELY
IN CASE OF AN ACCIDENT

ANTIDOTE: No known antidote. Treat symptomatically.
KEEP CHILDREN AND ANIMALS AWAY FROM PLOTS
UNDER TREATMENT

Active Ingredients:
Methyl Bromide 68.6%
Chloropicrin 1.4%
Inert Ingredients: Petroleum hydrocarbons 30.0%

E.P.A. Registration No. 481-90
E.P.A. Est. 37-733NC-1

Use Nemaster soil fumigant for preplanting application in soil for control of nematodes, insects, and weeds in nurseries and in certain seed bed, plant bed, and field crop areas. Typical pests controlled are nematodes such as root knot lesion, dagger, stunt, spiral, cyst formers, lance, sting, pin and certain other species; insects such as wireworms and white grubs in the soil at time of treatment; and seeds such as chickweed, pigweed, nutgrass, crabgrass, goosegrass, crowfootgrass, barnyardgrass, purslane, morningglory, and many other broadleaf and grass weeds. Nemaster will give excellent performance in fruit and forest tree, ornamental shrub, and turf nurseries, in annual and perennial flower, tomato, tobacco, and strawberry seed and plant beds, in vegetable seed beds for production of transplants only, and in soil where strawberries and tomatoes are to be grown for food.

DIRECTIONS FOR APPLICATION AND PLANTING

WHEN TO TREAT: Treatments can be made in the spring, summer, or fall, whenever soil conditions are suitable. In northern states, late summer or early fall treatments are best for land to be planted to early spring crops.

SOIL PREPARATION: To facilitate fumigant penetration, plant refuse should be worked into the soil and time allowed to decompose before treating. Soil must be in good workable seed bed condition, firm, preferably 50 to 80°F at a depth of five inches, with moisture adequate for good seed germination. Do not treat if the soil temperature is below 45°F at the five inch level. Pre-treatment tillage to a depth of 12 to 18 inches often improves results, especially in heavy or muck soils.

APPLICATION: A special, inexpensive, chisel-type applicator is used to inject Nemaster soil fumigant about 5-8 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with polyethylene film or other suitable tarpaulin as soon as possible after application, preferably within 20 minutes, day or night, and any or with a mechanical tarp layer. Nemaster soil fumigant is toxic to plants. Therefore, do not apply to soil containing roots of desirable plants. The edges of the tarpaulin cover should be at least 18 inches away from the foliage or place of desirable plants.

Cylinders containing Nemaster are pressurized to expel the entire contents through metered orifices. No additional pressure is necessary for application of the fumigant.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60°F, leave the treated soil covered for at least 48 hours to insure maximum fumigant diffusion. For soil temperatures below 60°F, extend the exposure period to 3 or 4 days to insure results. In all instances, best results are obtained by early application where the plants are left on the site.

NET CONTENTS 16.5 LBS.



Manufactured for
MICHIGAN CHEMICAL CORPORATION



Chicago, Illinois

Made in U.S.A.

11-50

Printed in U.S.A.

MASTER

SEEDS, GRASSES, NEMATODES PLANT BEDS AND NURSERIES

SOIL PREPARATION: To facilitate fumigant penetration, plant refuse should be worked into the soil and time allowed to decompose before treating. Soil must be in good workable seed bed condition, firm, preferably 50 to 80% at a depth of five inches, with moisture adequate for good seed germination. Do not treat if the soil temperature is below 48°F at the five inch level. Pretreatment tillage to a depth of 12 to 18 inches often improves results, especially in heavy or hard soils.

APPLICATION: A special type of hose type applicator is used to inject Nemaster soil fumigant at 18 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with a polyethylene tarpaulin or equivalent tarpaulin as soon as possible after application, preferably within 20 minutes. Lay the tarpaulin over the entire area, and lay a tarpaulin layer. Nemaster soil fumigant is toxic to plants. Therefore, do not apply to soil containing roots of desirable plants. The edges of the tarpaulin cover should be at least 12 inches away from the foliage top line of desirable plants. Cylinders containing Nemaster are pressurized to expel the entire contents through metering orifices. No additional pressure is necessary for application of this fumigant.

EXPOSURE PERIOD AFTER APPLICATION

For soil temperatures above 60°F, leave the treated soil covered for at least 48 hours to insure maximum fumigant diffusion. For soil temperatures below 60°F, extend the exposure period to 3 or 4 days for best results. In all instances, best results are obtained from fall applications where the covers are left on a winter.

lbs.

Manufactured for
MICAL CORPORATION



go Illinois

Produced in U.S.A.

DOSEAGE RECOMMENDATIONS

Use Nemaster soil fumigant according to the following dosage table:

Use	Pounds/Acre
Seed and plant beds:	
Tomato, tobacco, forest trees	500
Vegetables (for production of transplants only)	500
Strawberries and tomatoes: For fruit production	350
Nurseries:	
Floral crops and turf	500
Woody perennials including fruit and forest trees, ornamentals	600

When transplants are for fruit production allow at least two weeks between field fumigation and planting.

Consult the following table to determine the proper pressures and orifice sizes required to deliver the desired dosage per acre. These calibrations are based on the use of 2 or more hoses spaced 12 inches apart.

DOSEAGE CALIBRATION CHART

Dosage Pounds Per Acre	Tractor Speed			
	2 Miles Per Hour		3 Miles Per Hour	
	Orifice Diameter in inches	Approximate Pressure psi	Orifice Diameter in inches	Approximate Pressure psi
350	043	31	055	32
500	055	30	063	36
600	055	38	063	44

WHEN TO PLANT AFTER THE EXPOSURE PERIOD

Crops can usually be seeded 1 to 3 days after the covers are removed. For transplants aerate the soil 2 to 10 days prior to planting to reduce the possibility of exceeding bromide tolerances and an alternate period of at least 2 weeks when transplants of strawberries and tomatoes for fruit production are set in fumigated beds if soil temperatures below 60°F are occurring aerate or delay seeding or planting until the soil is returned to a favorable condition with suitable moisture and temperature for good plant growth.

USE PRECAUTIONS

NOTE CAREFULLY: Fumigation 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 fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to plants, fertilize as indicated by plant nutrient tests made after fumigation. To avoid ammonia injury or nitrate starvation, or both, avoid using fertilizers containing ammonium soils and use only fertilizers containing nitrate nitrogen until after the crop is well established and the soil temperature is above 65°F. Certain crops are tolerant to ammonia therefore the above rule does not apply to them. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

Fumigation of soil may accentuate phosphate deficiency. Therefore, in soils low in available phosphorus, add and work into the soil 500 pounds of super phosphate per acre before fumigating. Avoid reinfestation of treated soil. Do not walk from untreated area into treated areas. Do not use tools, equipment, transplants or crop remains infested with soil borne plant parasitic pests and weed seeds in the fumigated areas. If the treated area is in a location where heavy rainfall may cause flooding or washing, plow a furrow or make trenches around the area to assure proper drainage away from the treated portion. Suitable wooden frame barriers around the treated plant beds are also satisfactory for preventing this type of re-contamination.

CAUTION: To avoid the possibility of exceeding bromide tolerances, food crops other than strawberries and tomatoes should not be grown to maturity in soil treated with Nemaster soil fumigant. Transplant such crops to untreated soil or to soil treated according to registered pesticide labels.

Under certain conditions, Nemaster soil fumigant may be severely corrosive to certain metals. Do not use containers or application equipment made of aluminum, magnesium, or the alloys. Clean application equipment immediately after use by flushing thoroughly with water or kerosene. Store Nemaster soil fumigant in tightly closed cylinders 1000 pounds away from flammable and combustible materials.

DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUND COVER. In case of any equipment trouble or other emergency, where high concentrations of vapor may be encountered, wear a full face gas mask fitted with a charcoal canister as approved by the U.S. Bureau of Mines for use with organic vapors.