



BROZONE SOIL FUMIGANT

Many
years

Active Ingredients:

Methyl Bromide Chloropicrin

Inert Ingredients: Petroleum hydrocarbons

USPA Registration No. 1-43

A *replant* soil fumigant for the control of nematodes, root-knot nematodes, certain plant beds, nurseries and certain field crops. The diseases controlled are root-knot, lesion, dagger, stunt, soft rot, wireworm, armyworm, pin and certain other species. Insects such as wireworms, cutworms, aphids in the soil at the time of treatment are also controlled. The weeds controlled are chickweed, pigweed, nutgrass, crabgrass, barnyardgrass, strawfootgrass, barnyardgrass, purslane, wild morning glory, and many other broadleaved weeds and grasses. BROZONE soil fumigant shows excellent performance in fruit and forest tree ornamentals and turf. It also has uses for growing annual and perennial flowers, fruit trees, lawns, strawberry plant beds, and in soil where strawberries and blueberries are being grown.

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 treatment, the soil should be

SOIL PREPARATION To facilitate fungicide 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, warm, 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 digging to a depth of 12 to 18 inches often improves results, especially in heavy or rocky soils.

APPLICATION A 10% or more effective hispatype application is used for the BRY-ZONE. It is fumigated about 6-8 inches into the soil. Due to the volatility of this fumigant, treated areas must be covered with polyethylene film. The suitable fumigation is not practicable after application. FUMIGATE WITH 20 minutes polyethylene film initially or with a liner that is 1/4 inch thick. BRY-ZONE is a fumigant toxic to plants. Therefore do not apply to soil containing roots of desirable plants. The edges of the fumigation area should be at least 18 inches away from the foliage drip line of the following plants:

Various entities in the ERCZONE project are well aware of the situation, and through their own efforts, have made significant progress in the development and refinement of the framework.

EXPOSURE PERIOD AFTER APPLICATION

At temperatures above 60°F, leave the treated surface coated for at least 48 hours to ensure maximum fungicidal diffusion. Below temperatures of 40°F, extend the exposure period to 3 or 4 days for best results. In addition, best results are obtained from the upper dilution, where the active ingredients remain longer.

DISAGREEMENTS

the first time in the history of the world, the
whole of the human race has been gathered
together in one place, and that is the
present meeting of the World's Fair.

DOSAGE CALIBRATION CHART

Doseage Pounds Per Acre	2 Miles Per H.		4 Miles Per H.	
	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 2 to 3 days after the cover is removed. For transplants aerate the soil 7 to 10 days prior to planting; NOTE To avoid the possibility of exceeding bromide tolerances allow an aeration period of at least 2 weeks when transplants of strawberries and tomatoes for crop production are set in fumigated fields. If rains or soil temperatures below 60° F occur during aeration, delay seeding or planting until the soil is turned to a tillable condition with suitable moisture and temperature to aid plant growth.

USE PRECAUTIONS

NOTE CAREFULLY Every patient may temporarily feel the effects of the first application of the hot pack to the skin. This is normal. You may feel a slight tingle or heat zone and the patient may appear to be uncomfortable at first and it might even matter. To ease the patient's mind, you can explain that this is normal after applying the hot pack. You may also take the time to let the patient know that the heat from the hot pack will not last long. If the patient feels a slight tingle or heat zone, you may gently massage the area with your fingers. Tapping indicate a trigger point and you may gently tap on the low temperature area around the trigger point to help the patient relax. The patient may feel a slight tingle or heat zone, but this is normal. They may work themselves away. However, if a patient continues to feel pain or discomfort after the first application, you may need to go back to the cold pack for a few minutes before applying the hot pack again. This will help to eliminate any heat or burning feeling.

DANGER —
OUT OF REACH OF CHILDREN
HIGHLY VOLATILE LIQUID
LIQUID MAY CAUSE BURN
VAPORS MAY BE FATAL IF INHATED
Do Not Breathe Vapor • Keep Away From Heat
Do Not Get in Eyes, on Skin, or Clothing



POISON

**SEND FOR A DOCTOR IMMEDIATELY IN CASE
ANTIDOTE: No known antidote - treat symp.
KEEP CHILDREN AND ANIMALS AWAY FR
UNDER TREATMENT**

DO NOT SPILL OR DISCHARGE CONTENTS OUTSIDE GROUND C

NOTICE - The above named individual has been charged with a violation of the laws of the Commonwealth of Massachusetts. If you have any information concerning this individual or his whereabouts, please contact the State Police, Boston, Massachusetts.

- Brezene = Trademark of The Dow Chem

SOIL FUMIGANT

**To Control Many Weeds, Grasses, Nematodes
And Insect Pests In Plant Beds And Nurseries**

ECONOMIC VARIATION

100	100
500	500
350	350
500	500
600	600

Get a piece of wood, 12 inches wide and 12 inches long. These dimensions are chosen so that the two ends will be at right angles to the surface of the board.

CALIBRATION CHART

Tractor Speed		
Hour	3 Miles Per Hour	
Approximate Pressure psi	Orifice Diameter In Inches	Approximate Pressure psi
31	.055	32
30	.063	36
38	.063	44

AFTER THE EXPOSURE PERIOD

2 to 3 days after the cover is removed. For 10 days prior to planting. NOTE To avoid chloride tolerances allow an aeration period of plants of strawberries and tomatoes for cropland fields. If rains or soil temperatures below delay seeding or planting until the soil is warm with suitable moisture and temperature for

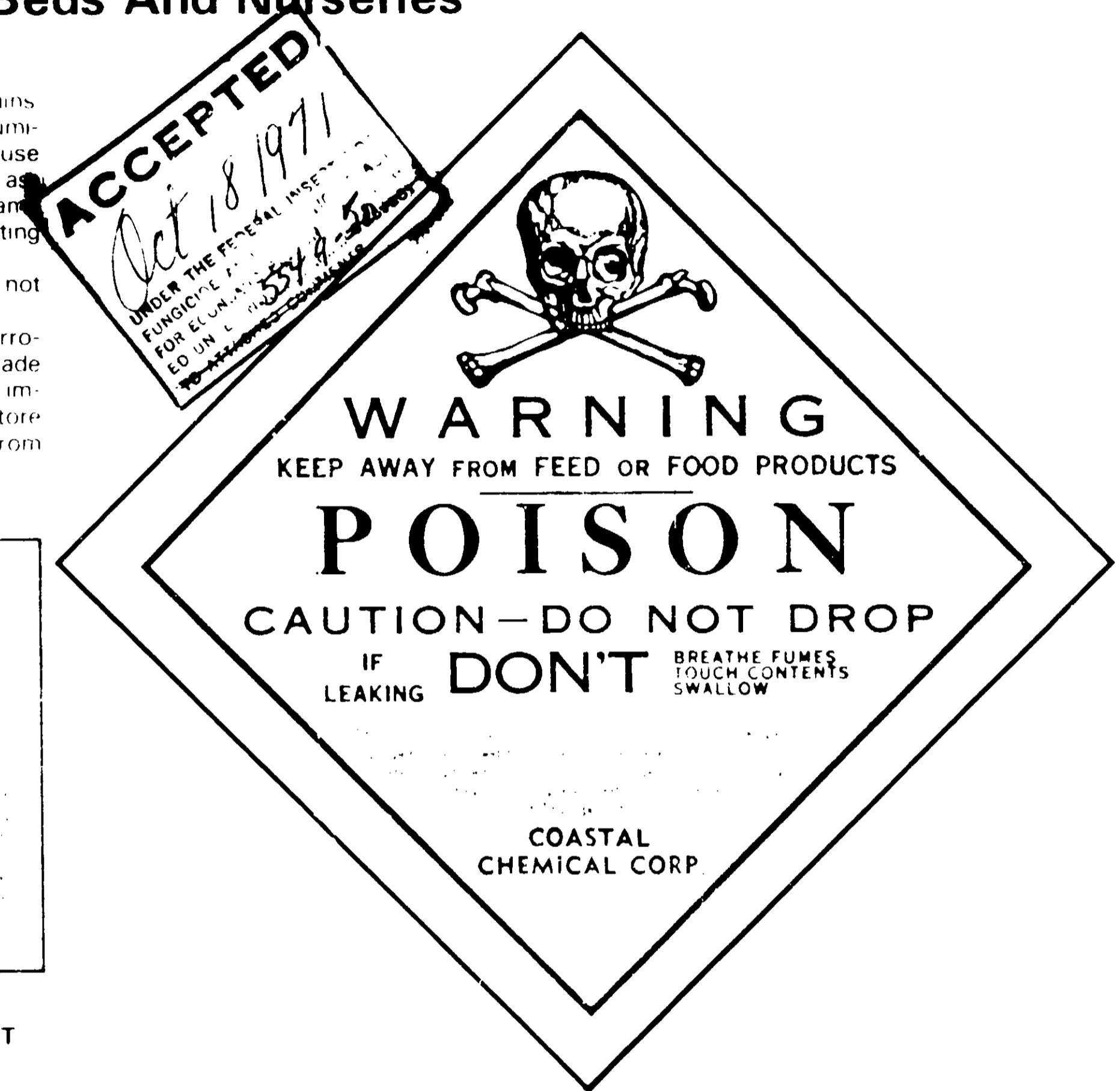
PREFACE

but may temporarily raise the rate of growth. These substances are probably the most effective during the early part of the season, but after the middle of July, the plants have become so large that they do not respond to them. The best way to plant, therefore, is to make short rows, 12 inches apart, and to lay out the seed in two rows, one on each side of the center of the row. This will give the plants more room to grow, and will also help to prevent the soil from becoming too dry. It is also important to keep the plants well watered, especially during the first few weeks after planting.

After the sprouts or crop remains have been removed, seeds in the tumulus should be treated where heavy rainfall may cause them to germinate. A simple way is to take trenches around the area to allow water to run off the pathway to the untreated portion. Suitable wooden-frame structures around the treated plant beds are also satisfactory for preventing this type of damage.

CAUTION: Food crops other than strawberries and tomatoes should not be grown to maturity in soil treated with BROZONE

Under certain conditions BROZONE soil fumigant may be severely corrosive to certain metals. Do not use containers or application equipment made of aluminum, magnesium or their alloys. Clean application equipment immediately after use by flushing thoroughly with diesel oil or kerosene. Store BROZONE soil fumigant in tightly closed cylinders in a cool place away from dwellings and out of the reach of children.



METHYL BROMIDE – CHLOROPICRIN

MIXTURE, LIQUID

Manufactured by

Coastal Chemical Corp.

GREENVILLE N.C.

• Bresane® is a Trademark of The Dow Chemical Company.