



(CORROSIVE LIQUID, N.O.S.)

ACTIVE INGREDIENTS	BY WEIGHT
1,2-Dibromo-3-Chloropropane	43.7%
Other Halogenated C ₃ Compounds	2.3%
INERT INGREDIENTS	54.0%
TOTAL	100.0%

EPA Reg. No. 11656-25

NEMATOX SOLUTION 4.3 SOIL FUMIGANT

Contains 4.3 Pounds NEMATOX Soil Fumigant Per Gallon

WARNING! KEEP OUT OF REACH OF CHILDREN.
See other precautions on side panel.

GENERAL DIRECTIONS

Apply NEMATOX Solution 4.3 Soil Fumigant when soil temperature at a depth of 6 to 8 inches is 40° to 80°F. The soil should be in good tilth and contain adequate moisture for good seed germination. Trash in the soil should be well decomposed. Extremely wet or dry soils should not be treated. Application should be made before, during or after planting according to directions only. Application should be made only with equipment designed for even distribution at a specified depth in the soil. Use only on crops listed on the label. Certain crops such as onions, garlic, sugar beets, tobacco, and potatoes (sweet and Irish) are sensitive to NEMATOX Solution 4.3 Soil Fumigant and soils on which these crops are to be grown should not be treated during the current growing season.

USE ON MINERAL SOILS ONLY. DO NOT EXCEED MAXIMUM DOSAGE PER ACRE IN A SINGLE YEAR.

PREPLANTING APPLICATION

For best results, apply before each growing season on each crop. For satisfactory nematode control, do not disturb the soil after application for 7 to 14 days for shallow-rooted crops and 4 to 6 weeks for deep-rooted crops.

OVER-ALL TREATMENT

Apply NEMATOX Solution 4.3 Soil Fumigant evenly in rows 12 inches apart at a depth of 6 to 8 inches. Seal the chisel channels IMMEDIATELY with pressure rollers or flood with water.

ROW TREATMENT

Apply NEMATOX Solution 4.3 Soil Fumigant in the rows to be planted at a depth of 6 to 8 inches below normal soil surface level. Seal the chisel channels IMMEDIATELY with pressure rollers or flood with water. Use one to three applicator chisels depending upon width of treated area desired. One chisel will treat a 12-inch strip. Two chisels (spaced 12 inches apart) will treat a 24-inch strip. Dosage per acre in row treatment should be reduced from the over-all dosage in proportion to the actual area treated. For example, if a 24-inch strip were treated and the rows were 48 inches apart, then the dosage per acre for row treatment would be 1/2 the dosage per acre for over-all treatment.

APPLICATION AT TIME OF PLANTING

NEMATOX Solution 4.3 Soil Fumigant can be applied to the row while planting with suitable equipment such as liquid fertilizer attachment. Care should be taken to avoid direct contact of seed or plants with the fumigant.

POSTPLANTING APPLICATION FOR ANNUAL CROPS

Apply NEMATOX Solution 4.3 Soil Fumigant as a band or side dressing at least 6 inches deep, as close to the plants as possible without disturbing or damaging the roots. Seal the chisel channels IMMEDIATELY.

POSTPLANTING APPLICATION FOR PERENNIAL OR ESTABLISHED PLANTS

Apply NEMATOX Solution 4.3 Soil Fumigant in 12-inch spacings 6 to 8 inches deep, as close to the plants as possible without injuring roots. Treat when necessary to prevent reinfestation. Be sure to treat areas where feeder roots are found. Seal the chisel channels IMMEDIATELY. NEMATOX Solution 4.3 Soil Fumigant may be applied in flood irrigation systems. For specific instructions, consult local Agricultural Extension Service recommendations or authorized WESTERN FARM SERVICE Distributors.

DRENCHES (FOR PROFESSIONAL USE ONLY)

For drenches on lawns, turf, around trees and shrubs, and certain nursery beds, mix NEMATOX Solution 4.3 Soil Fumigant with water and apply the emulsion evenly with a sprinkling can or hose proportioner. Use at least 19 gallons of water to each 100 square feet of area to be treated. After application of fumigant, sprinkle the area with plenty of clear water to wash off leaves. Keep children and pets off treated areas until this material has been washed into the soil and the area is thoroughly dry.

APPLICATION WITHIN CONFINED AREAS

Greenhouses or other confined areas should be well ventilated during and after application.

MIXING DIRECTIONS

This concentrate can be used "As is" or can be further diluted with water. Thorough mixing of the dilute mixture is necessary for optimum results.

STORAGE PRECAUTIONS

Store in tightly closed containers in a cool place away from dwellings and out of reach of children and animals. May be corrosive to aluminum, magnesium and their alloys.

DIRECTIONS FOR APPLICATION

CROP	GALLONS PER ACRE	TYPE OF TREATMENT
FIELD CROPS Cotton	2.0 to 4.0	Preplanting, at time of planting, or postplanting, row application.
	3.0 to 6.0	Preplanting, or at time of planting, over-all application.
Peanuts	4.0 to 6.0	Preplanting, either as an over-all or row treatment. See General Directions for calculation of row application according to row width. At time of planting in the row only. Restrictions concerning disposition of peanut hay and hulls: Any forage crop grown on soil treated with a bromide containing fumigant should not be used as a feed for dairy animals or animals being finished for slaughter until two years after row treatments are made and three years following over-all treatment. Although a safe tolerance has been established by the U.S. Food & Drug Administration for residues of bromides in peanut kernels grown on soil fumigated with NEMATOX Solution 4.3 Soil Fumigant, the peanut hay and hulls will contain bromide residues not covered by a tolerance. Do not feed, sell or otherwise introduce into commerce hay or hulls from treated soil.
	2.0 to 4.0	Preplanting or at time of planting, row application. Do not treat soils where soybean hay or forage will be used as feed for meat or dairy animals.*
Soybeans (in Southeastern States only)**	2.0 to 4.0	Preplanting or at time of planting, row application. Do not treat soils where soybean hay or forage will be used as feed for meat or dairy animals.*
	3.0 to 6.0	Preplanting or at time of planting, overall application. Do not treat soils where soybean hay or forage will be used as feed for meat or dairy animals.*

VEGETABLE CROPS	GALLONS PER ACRE	TREATMENT
Snap beans, Cucumbers, Summer Squash, Carrots, Celery, Parsnips, Radishes, Turnips,	2.0 to 3.0	Preplanting, at planting or postplanting, row application. Do not feed plant parts to livestock.
Cabbage, Cauliflower, Broccoli, Brussels Sprouts and Okra	4.0 to 5.0	Preplanting, over-all application. Do not feed plant parts to livestock.
Lima Beans	2.0 to 3.0	Preplanting or at planting, row applications. Do not feed plant parts to livestock.*
	4.0 to 5.0	Preplanting, over-all application. Do not feed plant parts to livestock.*
Lettuce, Endive, Escarole	4.0 to 5.6	Preplanting, over-all application.
Melons	20-30 fl. oz.	per 1,000 linear feet of row, regardless of distance between rows. Preplanting or at planting application.
	4.0	Preplanting or at planting over-all application.
Tomatoes, Eggplants, Peppers, other than Bell Peppers.	1.32 to 2.0	Preplanting, at planting or postplanting row application.
	3.0 to 6.0	Preplanting over-all application.
Tomatoes, Eggplants, Peppers other than Bell Peppers. Transplants	3.0	Preplanting over-all application.
FRUIT AND NUT CROPS		
Bananas	4.0 to 20.0	Preplanting or at planting: Apply 8 cc under the seed piece. Postplanting: Apply 14 to 12 gallons per acre initially as a row application with supplemental applications of 4 gallons per acre every 9 to 12 months.
Grapes, Peaches, Apricots and Nectarines	8.0 to 20.0	Preplanting, at planting or postplanting application to new or established planting, over-all or row application.
Plums and Prunes	8.0 to 14.0	Preplanting, at planting or postplanting application to new or established planting, over-all or row application. Do not apply within 30 days of harvest nor more often than once every three years.
Raspberries, Blackberries, Dewberries, Loganberries, Boysenberries	8.0 to 20.0	Preplanting, at planting or postplanting to a new or established plantings, over-all or row application. Allow at least 48 days between treatment and harvest.
Pineapple	8.0 to 32.0	Preplanting or at planting. Apply 8 to 32 gallons per acre at a depth of 5 inches or more. Avoid placing the fumigant directly in the plant line.

NET CONTENTS: 5 Gallons

WESTERN FARM SERVICE, INC., 2401 Crow Canyon Road, SAN RAFAEL, CALIF.

FRUIT & NUT (cont.) Pineapple
Citrus Trees
Strawberries
Figs
Walnuts, English
Almonds
ROSES Newly set up to 6 m Established 6-12 m Established over 12 m
TURF & LAWN (FOR PROFESSIONAL USE ONLY) Turf greases and law
ORNAMENTAL & NURSERY CROPS African Violet, Ager Aloe, Aralia, Baby T Begonia, Cactus, Col Croton, Dieffenbach Dracaena godseffian Haworthia, Ivy, Jade Leucodendron, Neph Nephtytis, Palm, N Belle, Panda Ears, S ca, Schefflera, Spath lum, Tradescantia
Achillea, Ailanthus Anchusa, Arabis Vita ia, Asparagus Fern, A Astilbe, Azalea, Bart Bleeding Heart (Dic Boxwood, Camellia, ula, Caryopteris, Car Chrysanthemum (Ha Coreopsis, Jaisy (Sh Delphinium, Dianthu (American), Euonym Fatsia, Forsythia, Fu Gardenia, Gypsophili opsis, Helianthus, HI Hypericum (St. John Hooper, Lavender, Lig (Privet), Lilac, Lily Lily of the Valley, L Maple, Manisota, Mor Monstera, Oak Pachy

FRUIT & NUT (continued)		
Pineapple	8.0 to 32.0	Postplanting: Apply 8 to 32 gallons not less than 6 inches from the plant line at a depth of 5 inches or more if applied directly to the soil, or in about 1/10 acre inch of irrigation water. Allow at least 270 days between last application and harvest. Do not exceed 32 gallons/acre in a single year in any combination of treatments.
Citrus Trees	16.0 to 24.0	Preplanting at planting or postplanting, over-all or row applications by injection or in irrigation water. Do not apply more than once every three years.
Strawberries	2.0 to 3.0	Preplanting or postplanting, row application. Allow at least 55 days between treatment and harvest.
	6.0	Preplanting, over-all application. Allow at least 55 days between treatment and harvest.
Figs	14.0	Preplant, at planting or postplanting. Do not treat within 30 days of harvest.
Walnuts, English	8.0	Preplant, at planting or postplanting. Allow at least 100 days between treatment and harvest.
Almonds	8.0 to 20.0	Preplanting, at planting or postplanting application to new or established plantings, over-all or row application. Do not apply within 30 days of harvest.
ROSES		
Newly set up to 6 months	2.0	Postplanting row application. See General Directions for calculation of row application rates according to row width.
Established 6-12 months	4.0	
Established over 12 months	10.0	
TURF & LAWN (FOR PROFESSIONAL USE ONLY) Turf greases and lawns	10.0 to 20.0	Preplanting over-all application as a drench. Postplanting over-all application as a drench. Aerate before application for better penetration. Repeat as necessary. Apply not more than 16 gallons per acre to bent grasses.
ORNAMENTAL & NURSERY CROPS		
African Violet, Ageratum, Aloe, Aralia, Baby Tears, Begonia, Cactus, Colodium, Croton, Dieffenbachia, Dracaena godseffiana, Haworthia, Ivy, Jade Plant, Leucodendron, Nautilogalyx, Nephrolepis, Palm, Nerve Plant, Poinsettia, Panda Ears, Sarcococca, Schefflera, Spathiphyllum, Tradescantia	4.0 to 12.0	Preplanting, over-all application.
Achillea, Aglaonema, Ajuga, Anchusa, Arbutus, Ardisia, Asparagus Fern, Aster, Astilbe, Azalea, Barberry, Bleeding heart (Dicentra), Boxwood, Camellia, Campanula, Caryopteris, Cantanoha, Chrysanthemum (Hardy), Coreopsis, Daisy (Shasta), Delphinium, Dianthus, Elm (American), Euonymus, Fatsia, Forsythia, Funkia, Gardenia, Gypsophila, Helianthus, Helix, Hibiscus, Hypericum, Ilex (Holly), Juniper, Lavender, Ligustrum (Privet), Lilac, Lily of the Valley, Lythrum, Maple, Maranta, Monarda, Monstera, Oak Pachysandra	10.0 to 20.0 4.0 to 10.0	Preplanting, over-all application. Preplanting or postplanting (on established plants). Row application. See General Directions for row application rates according to row width.

ORNAMENTAL & NURSERY CROPS (continued)		
Penstemon, Peony, Peperomia, Periwinkle (Vinca), Philodendron, Phlox, Pine, Pittosporum, Poppy, Pothos, Privet, Quince (Flowering), Rudbeckia, Salvia, Sedum, Spruce, Stokesia, Synagonium, Taxus, Trieloma, Trollius, Veronica, Vinca, Viola, Violet, Weigela		
Cherry (Flowering), Chokeberry, Deutzia, Dogwood, Gladiolus, Hydrangea, Philadelphus, Snowberry, Spirea, Viburnum	4.0 2.0 to 3.0	Preplanting, over-all application. Preplant or postplant (on established plants), row application. See General Directions for calculation of row application rates according to row width.

* Soybean hay and plant remains from lima beans on treated soil may contain bromide residues greater than those resulting from natural sources. Accordingly, do not graze treated areas or feed soybean hay or lima bean plant remains to meat or dairy animals. Do not sell such plant parts to another party or otherwise introduce into commerce.

** Southeastern states include Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and the southern third of Illinois and Missouri.

BACTERIAL CANKER AND DECLINE OF PEACH TREES
Use as a post-plant treatment on light (sandy) soil. Apply NEMATOX Solution 4.3 Soil Fumigant at ten (10) gallons per acre (injected) or 30-60 ppm active ingredient when mixed with water and applied as flood irrigation every two years after planting. Application should be made after harvest and before leaf fall. The material may be mixed with irrigation water and applied in 5-6 inches of water or injected at 6-8 inches, then rolled or sealed in with a light sprinkling of water.

WARNINGS IN USING

WARNING! KEEP OUT OF REACH OF CHILDREN. HARMFUL IF INHALED. MAY BURN SKIN. CAUSES IRRITATION OF EYES, NOSE AND THROAT. MAY BE ABSORBED THROUGH SKIN. MAY BE IRRITATING OR HARMFUL IF SWALLOWED. Do not breathe vapor. Use in well-ventilated area. Do not get in eyes. Avoid contact with skin or clothing. Do not take internally. Wash thoroughly with soap and water after handling and before eating or smoking. In case of spillage on person or clothing, immediately remove contaminated shoes, clothing and wash with soap and water. Flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash clothing and air shoes thoroughly before reuse. Do not contaminate feed and foodstuffs. Not for use or storage in or around the home. Keep children and pets off treated areas until this material has been washed into the soil and the area is thoroughly dry. DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

This product is toxic to wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Any forage crop grown on soil treated with a bromide containing fumigant should not be used for dairy animals or animals being finished for slaughter until two years after row treatments are made and three years after over-all treatment.

Do not graze or feed treated plant parts (forage or hay) to meat or dairy animals. Do not sell treated plant parts (forage or hay) to another party or otherwise introduce into commerce.

DECONTAMINATE AND DESTROY USED CONTAINERS. Do not reuse for any purpose. Decontaminate containers by rinsing thoroughly with water and detergent. Destroy containers by crushing and burying in an isolated area. Dispose of rinsings in a way as not to constitute a hazard, or contaminate water supplies.

READ THE DIRECTIONS CAREFULLY BEFORE APPLICATION AND FOLLOW THEM AT ALL TIMES

Use this product on mineral soils to control Cyst (Soybean, Golden, Tobacco, Sugar Beet), Root Knot, Root-Lesion or Meadow, Burrowing, Citrus, Stem and Bulb, Free Living (Sting, Ring, Awl, Spiral, Lance, Pin, Sheath, Stubby Root, Stylet, Dagger), and other plant parasitic nematodes. The above nematodes, as well as others, appear on nursery crops, grasses and ornamentals, field crops, vegetables, small fruits, nuts, deciduous fruits and citrus.

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NOTICE OF WARRANTY

WESTERN FARM SERVICE MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

ACCEPTED
9 JUN 1975
UNDER THE FEDERAL INSECTICIDE, FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER 11656-25



Road, SAN RAMON, CA. 94583