



17.3% NEMAGON® Soil Fumigant Granule

Contains 17.3 Pounds (1 Gallon) NEMAGON Soil Fumigant per 100

DIRECTIONS FOR APPLICATION

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ACTIVE INGREDIENTS	BY WEIGHT
1,2-Dibromo 3-Chloropropane	16.43
Other Halogenated C ₃ Compounds	. 0.87 .*
INERT INGREDIENTS	82.70
TOTAL	100.00%

*Equivalent to 17,3% NEMAGON Soil Furnigant EPA Registration Number 201-203 AA

CAUTION:

See other precautions below.

GENERAL DIRECTIONS

Apply 17.3. NEMAGON Soil Furnigant Granules 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 can be made before, during, or after planting according to directions only. Applications should be made only with equipment designed for even distribution at a specified depth in the soil. Use only on crops listed on the liber. Certain crops such as onions, garlic, sugar beets, tobacco, and potatoes (sweet and Irish) are sensitive to 17.3. NEMAGON Soil Furnigant Granules and soils on which these crops are to be grown should not be treated during the current growing season. 17.3. NEMAGON Soil Furnigant Granules may be mixed with dramfar fertifizer before application. Use combination product as soon as possible (within two weeks) after mixing. Do not store near seeds, feed or foodstuff. Apply in accordance with directions for 17.3. NEMAGON Soil Furnigant Granules only. Consult the State Agricultural Extension Service.

is on mineral soil, only. Do not exceed maximum dosage per acre in a smale year -

PREPLANTITY APPLICATION For best results, apply before each growing season or crop. For substactory rematode control, do not distrib the soil lifter application for 7.14 days for shallow related crops and 1.6 yeaks for deep rooted crops.

OVER ALL TREATMENT. Apply NEMAGON Soil Furnigant Granules evenly in rows 12 incl. e. apart at a pepth of 6 to 8 inches. Seal the clasef characts IMMEDIATELY with pressure roller or flood with water. Application can be made with a fertilizer spreader or seeder.

BOW TREATMENT Apply 17.3% NEMAGON Soil Furnigant Cranules to the roys to be planted at a depth of 6 to 8 inches below, normal soil surface tevel. Seal the chisclychonels IMMEDIATELY with pressure rollers or flood or to wall in Use one to three applicator chisels depending upon which of treated area desired. One chisely will treat a 12 mch strip. Two chisels (spaced 12 inches apart) will treat a 24 inch strip. Dosage per acre in row treatment should be reduced from the overall dosage in proportion to the actual area treated.

CROP	GALLONS PER ACTE	TYPE OF TREATMENT
FIELD CROPS Cotton	50-100	Preplanting, at time of planting, or postplanting, row applications.
	75-150	Preplanting, or at time of planting over-all application.
Peanuts	100-150	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.
Soybeans (in Southeastern States only) * *	50-100	Restrictions concerning disposition of peanut hay and hulls: Any forage crop grown on soil treated with a bromide containing furnigant 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 furnigated with NEMA-GON Soil Furnigant Granules, 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 taken from treated soil. Preplanting or at time of planting, to application. Do not treat soils where soybean hay or
· •		forage will be used as feed for meat or dairy animals.*
	75-150	Preplanting or at time of planting, over-all application. Do not treat solld where solbean hay or forage will be used as feed for meat or dairy animals.*
VEGETABLE CROPS Snap beans, Cucumbers, Summer	50-75	Preplanting, at planting or postplanting row application. Do not feed plant parts to livestock
Squash, Carrots, Celery, Parsnips, Radishes and Turnips. Cabbade, Cauliflower, Broccoff, Brussels Sprouts and Okra.	100-125	Preplanting, over-all application. Do not feed plant parts to livestock.
Luma Beans	50-75	Preplanting or at planting, row applications, Do not feed plant parts to livestock.*
	100-12'	Preplanting, over-all application. Do not feed plant parts to livestock.*
Lettuce, FaGive, Escarole	100-125	Preplanting, over all application
E ^t erons		१९०० linear feet of row, regardless of d दक्क c be Peplanting or at planting application
	75-150	Preplanting or at planting over all app is about
Tomatoes, Equolants, Peppers	₹3.50	Preplanting at planting or postplanting row ap-

plication

Preplanting over all application.

Preplanting over all application,

75 150

75

other than Bell Peppers

Tomatoes, Eggplants, Peppers

Direct Seeded

17.3% NEMAGON Soil Fumigant Granules and soils on which these crops are to be grown should not be treated during the current growing season. 17.3% NEMAGON Soil Fumigant Granules may be mixed with granular fertilizer before application. Use combination product as soon as possible (within two weeks) after mixing. Do not store near seeds, feed or foodstuff. Apply in accordance with directions for 17.3% NEMAGON Soil Fumigant Granules only. Consult the State Agricultural Extension Service.

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 or crop. For satisfactory nematode control, do not disturb the soil after application for 7-14 days for shallow-rooted crops and 4-6 weeks for deep-rooted crops.

OVER-ALL TREATMENT Apply NEMAGON Soil Furnigant Granules evenly in rows 12 inches apart at a depth of 6 to 8 inches. Seal the chisel channels IMMEDIATELY with pressure roller or flood with water. Application can be made with a fertilizer spreader or seeder.

ROW TREATMENT Apply 17.3% NEMAGON Soil Fumigant Granules 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, when the dosage per acre for row treatment would be 1/2 the dosage per acre for over-all treatment.

APPLICATIONS AT TIME OF PLANTING-NEMAGON Soil Fumigant Granules can be applied to the row while planting with suitable equipment such as a dry fertilizer attachment or granular insecticide applicator. Care should be taken to avoid direct contact of seed or plants with the fumigant.

POSTPLANTING APPLICATION FOR ANNUAL CROPS. Apply NEMAGON Soil Furnigant Granules as a band or side dressing at least 4 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 NEMAGON Soil Furnigant Granules 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.

APPLICATION WITHIN CONFINED AREAS—Confined areas, such as greenhouses, should be well-ventilated during and after application.

APPLICATION TO ESTABLISHED TURE AND HOME LAWNS. For treatment of turf and home lawns distribute the granules evenly over the area to be treated. May be applied with a fertilizer spreader or shaker can. After application IMMEDIATELY water the treated area thoroughly to wash the granules into the soil. Keep children and pets off treated areas until this material has been washed into the soil.

APPLICATION FOR HOME GARDENS -

- 1. Spade or plow the ground making sure all clods are broken. Soil should neither be too wet nor too dry (but in good seed bed condition).
- 2. **Preplant, overall application:** Apply granules evenly over the surface using a grass seeder or can with perforated lid. Respade to a depth of 6 inches to thoroughly mix granules into soil or, with a hoe, prepare narrow trenches 6 inches deep and 12 inches apart throughout the area

Preplant, row application: Mark out the rows where you are going to plant and with a hoe prepare a narrow trench 6 inches deep directly in the row to be planted

Postplant, row application: Prepare a narrow trench 6 inches deep and 6 inches on each side of the plants growing in the row.

- 3 Apply granules evenly down the center of each trench.
- 4. Immediately refill trenches with soil and lightly pack by walking over it or by rolling.

STORAGE PRECUATION

Store leftover granules in the original container or in a glass container with a tight fitting lid to prevent evaporation of the NEMAGON Soil Furnigant

Stapbeans, Cucumbers, Summer squash, Carrots, Celery, Persinipp, Radishas and Turnips, Radishas and Corn. 100-125			animais.		
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Net Contents: 50 Pounds

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Tomatoes, Eggplants, Peppers

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Direct Seeded

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Preplanting, at planting or postplanting row ap-

Preplanting over all application,

Preplanting over-all application.

s 17.3 Pounds (1 Gallon) NEMAGON Soil Fumigant per 100 Pounds



DIRE	CTIONS FOR	RAPPLICATION		GALLONS	
	GALLONS		CROP	PER ACRE	TYPE OF TREATMENT
CROP	PER ACRE	TYPE OF TREATMENT	ORNAMENTAL AND NURSERY PLANTS	100-300	Preplanting over-all application.
FIELD CROPS Cotton	50-100	Preplanting, at time of planting, or postplanting, row applications.	African Violet, Ageratum Aloe, Aloe, Aralia, Baby Tears, Begonia, Cactus, Caladium, Croton,	2/3 lbs. per cubic yard of potting	Mix granules thoroughly with potting soil prior to planting.
Peanuts	75-150 100-150	Preplanting, or at time of planting over-all application. Preplanting, either as an over-all or row treat-	Dieffenbachia, Dracaena godseffiana, Haworthia, Ivy, Jade Plant, Leuoodendron,	soil Home Gar- dens 0.5 lb.	Preplanting over-all application.
		ment. See general directions for calculation of row application according to row width. At time of planting in the row only.	Nautilogalyx, Nephthytis, Palm, Neantha Belle, Panda-Ears, Sarcococca, Schefflera,	per 100 sq.ft. 0.5 lb. per 100	Preplanting row application,
		Restrictions concerning disposition of peanut hay and hulls: Any forage crop grown on soil treated	Spathiphyllum, Tradescantia Achillea, Aglaonema, Ajuga,	ft. of row 250-500	Oronlanting, over all application
		with a bromide containing furnigant should not be used as a feed for dairy animals or animals	Anchusa, Arbor Vitae, Ardisia,	100-250	Preplanting, over-all application. Preplanting or postplanting (on established
		being finished for slaughter until two years after row treatments are made and three years follow-	Asparagus Fern, Aster, Astilbe, Azalea, B. rberry, Bleeding Heart (Dicentra), Sox wood, Camellia,	_	plants). Row application. See General Directions for row application rates according to row width.
		ing 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 NEMAGON Soil Fumigant Granules, the peanut hay	Campanula, Caryopteris, Cantananohe, Chrysanthemum, (hardy), Coropsis, Daisy (Shasta), Delphinim, Dianthus, Elm. (American), Euonymous, Fatsia, Forsythia, Funkia,	Home Gardens 1 lb. per 100 sq. ft.	Preplanting over-all application.
		and hulls will contain bromide residues not covered by a tolerance. Do not feed, sell or otherwise introduce into commerce hay or hulls taken from treated soil.	Gardenia, Gypsophita, Heliopsis, Helleborus, Hibiscus, Hypericum, Illex (Holly), Juniper, Lavender, Ligustrum (Privet), Lilac, Lily Croft,	1 lb. per 100 ft. of row	Preplanting or postplanting row application.
Soybeans (in Southeastern States only)**	50-100	Preplanting or at time of planting, row applica- tion. Do not treat soils where stybean hay or forage will be used as feed for meat or dairy animals.*	Lify of the Valley, Lythrum, Maple, Maranta, Monarda, Monstera, Oak, Pachysandra, Penstemon, Peony, Peperomia, Periwinkle (Vinca), Philodendron, Phlox, Pine, Pitto-	!	
	75-150	Preplanting or at time of planting, over all application. Do not treat solid where soybean hay or forage will be used as feed for hieat or dairy animals.*	sporum, Poppy, Pothos, Privet, Quince (Flowering), Rudbeckia, Salvia, Sedum, Spruce, Stokesia, Synogonium, Taxus, Tritoma,	:	
VEGETABLE CROPS Snap beans, Cucumbers, Summer	50-75	Preplanting at the and postplanting low application to the field plant parts to invertoce	Trollius, Veronica, Vinca, Viola, Violet, Weigela	1 5 1	; !
Squash, Carrots, Celery, Parsnips, Radishes and Turnips.	100-125	Preplanting, versal application for our field	' Cherry (Flowering), Chokeberry, Deutzia, Dogwood, Gladiola,	100	Preplanting, over-all application.
Cabbage, Cauliflower, Broccoli, Brussels Sprouts and Okra.	•	plant parts to rive to the	Hydrangea, Philadelphus, Snowberry, Spirea, Viburnum	50-75	Preplant or postplant (on established plants) row papelication. See General Directions for calculation of row application rates according to row
Lima Beans	50-75	Preplanting or at planting, row applications of a not feed plant parts to livestock.*	· ·	1100000	f width
	100-125	Preplanting, over-all application Do not ford in plant parts to livestock.*		Home Gar- dens 0,25 lbs per 100 sq. ft	t Preplanting, over-all application.
Lettuce, Endive, Escarole	100 125	Preplanting, over all application		0.5 lbs. per	· Preplating opstplanting, row apple at on
Melons	1	1 000 linear feet of row, regardless of distance be replanting or at planting application		100 ft, of row	
	75-150	Preplanting or at planting over-all application.			situal soil class contain bromide residues greater than :

*Soybean hay and plant remains from lima beans on freated 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, Flocida, Georgia, Kentucky, Louisiana, <u>Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and the southern third of Illinois</u>

VEGETABLE CROPS Snap beans, Cucumbers, Summer	50-75	Preplanting, at planting or postplanting row ap plication. Do not feed plant parts to livestock.
Squash, Carrots, Celery, Parsnips, Radishes and Turnips. Cabbage, Cauliflower, Broccoli, Brussels Sprouts and Okra.	100-125	Preplanting, over-all application. Do not feed plant parts to livestock.
Lima Beans	50-75	Preplanting of at planting, row applications. Do not feed plant parts to livestock.*
	100-125	Preplanting, over-all application. Do not feet plant parts to livestock.*
Lettuce, Endive, Escarole	100-125	Preplanting, over-all application.
Melons		1 000 linear feet of row, regardless of distance be Preplanting or at planting application
	75-150	Preplanting or at planting over-all application.
Tomatoes, Egyplants, Peppers other than Bell Peppers	33-50	Preplanting, at planting or postplanting row application.
Direct Seeded	75-150	Preplanting over-all application.
Tomatoes, Eggplants, Peppers other than Bell Peppers Transplants	75	Preplanting over-all application.
FRUIT AND NUT CROPS Bananas	100-500	Preplanting or at planting: Apply 0.8 oz. under the seed piece. Postplanting: Apply 100 to 30 lbs. per acre initially as a row application with supplemental applications of 100 lbs. per acre every 9 to 12 months.
Grapes, Peaches, Apricots and Nectarines	200-500	Preplanting, at planting or postplanting application to new or established planting, over-all crow application.
Raspberries, Blackberries, Dewberries, Loganberries, Boysenberries	200-500	Preplanting, at planting or postplanting to new of established plantings, over-all or row application Allow at least 48 days between treatment an harvest.
Pineapple	200-800	Preplanting or at planting: Apply at a depth of inches or more. Avoid placing the fumigant directly in the plant line. Postplanting: Apply not let than 6 nches from the plant line at a depth of inches or more. Allow at least 270 days betwee last application and harvest. Do not exceed 80 lbs./acre in any combination of treatments.
Citrus Frees	400-600	Preplanting, at planting, or postplanting, over-a or row. Do not apply more than once every three years.
Strawbernes	50-75	Preplanting or postplanting row application. A low at least 55 days between treatment an harvest.
	150	Preplanting, over-all application. Allow at lea 55 days between treatment and harvest.
Figs	350	Preplant, at planting, or postplant treatment. C not apply within 30 days of harvest.
Walnuts, English	200	Preplant, at planting, or postplant. Allow at least 100 days between treatment and harvest.
Roses Newly set up to 6 months Established 6-12 months Established over 12 months	50 100 250	Postplanting row application. See General Directions for calculation of row application radaccording to row width.
TURF AND LAWN	250-500	Preplanting over-all application.
Turf Grasses	3/4-1-1/8 bs/100 sq.ft.	Postplanting over-all application. Aerate before application for better penetration. Repeat necessary. Apply not more than 400 lb/acre bent grasses.

Trollius, Veronica, Vinca, Viola, Violet, Weigela		
Che:ry (Flowering), Chokeberry, Deutzia, Dogwood, Gładiola, Hydrangea, Philadelphus, Snowberry, Spirea, Viburnum	100	Preplanting, over-all application.
	50-75	Preplant or postplant (on established plants) row application. See General Directions for calculation of row application rates according to row width.
	Home Gar- dens 0.25 lbs. per 100 sq. ft.	Preplanting, over-all application.
	0.5 lbs. per 100 ft. of row	Preplanting or postplanting, row application

^{*}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.

CAUTION: KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS

MAY BE HARMFUL OR FATAL IF SWALLOWED.

MAY CAUSE IRRITATION OF SKIN, EYES, NOSE AND THROAT. Do not get in eyes, on skin or on clothing. Do not breathe vapors or dust. Wash thoroughly with soap and water after handling and before eating or smoking. Do not contaminate feed and foodstuffs. Keep children and pets off treated areas until this material has been washed into the soil.

This product is toxic to wildlife. Birds and other wildlife feeding in treated areas may be killed. Granules exposed on soil surface may be hazardous to birds and other wildlife. Keep out of lakes, stream, or ponds. Do not apply where runoff is likely to occur. Apply this product only as specified on this label.

Any 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 or three years following 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 Cyct (Snybean, Golden, Tobacco, Sugar Beet), Root Knot, Root-Lesion or Meadow, Burrowing, Citrus, Stem and Bulb, Free Living (String, 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

SHELL CHEMICAL COMPANY 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.

Net Contents: 50 Pounds

bent grasses.

DMPANY, A Division of Shell Oil Company, AGRICULTURAL DIVISION, SAN RAMON, CA. 94583

^{**}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.