



NEMAGON® 8.6 EC Emulsible Concentrate Soil

Contains 8.6 Pounds NEMAGON Soil Fumigant Per Gallon

ACTIVE INGREDIENTS	BY WEIGHT
1,2-Dibromo-3-Chloropropane	67.6%*
Other Halogenated C ₃ Compounds	3.6%*
INERT INGREDIENTS	28.8%
TOTAL	100.0%

*Equivalent to 71.2%w NEMAGON Soil Fumigant.
EPA Registration No. 201-149 AA

WARNING!

KEEP OUT OF REACH OF CHILDREN.
See other precautions below.

GENERAL DIRECTIONS

Apply NEMAGON 8.6 EC Emulsible Concentrate 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 can 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 NEMAGON 8.6 EC Emulsible Concentrate 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 NEMAGON 8.6 EC Emulsible Concentrate 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 NEMAGON 8.6 EC Emulsible Concentrate Soil Fumigant in the rows to be treated 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 NEMAGON 8.6 EC Emulsible Concentrate 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.

POSTPLANT APPLICATION FOR ANNUAL CROPS Apply NEMAGON 8.6 EC Emulsible Concentrate

DIRECTIONS FOR APPLICATION

CROP	GALLONS PER ACRE	TYPE OF TREATMENT
FIELD CROPS		
Cotton	1.0 to 2.0	Preplanting, at time of planting, or postplanting, row applications.
	1.5 to 3.0	Preplanting, or at time of planting over-all application.
<u>Peanuts</u>	2.0 to 3.0	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 NEMAGON 8.6 EC Emulsible Concentrate 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.
<u>Soybeans (in Southeastern States only)**</u>	1.0 to 2.0	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.*
	1.5 to 3.0	Preplanting or at time of planting, over-all application. Do not treat soils where soybean hay or forage will be used as feed for meat or dairy animals.*
VEGETABLE CROPS		
<u>Snap beans, Cucumbers, Summer Squash, Carrots, Celery, Parsnips, Radishes and Turnips.</u>	1.0 to 1.5	Preplanting, at planting or postplanting row application. Do not feed plant parts to livestock.
<u>Cabbage, Cauliflower, Broccoli, Brussels Sprouts and OKra.</u>	2.0 to 2.5	Preplanting, over-all application. Do not feed plant parts to livestock.
<u>Lima Beans</u>	1.0 to 1.5	Preplanting or at planting, row applications. Do not feed plant parts to livestock.*
	2.0 to 2.5	Preplanting, over-all application. Do not feed plant parts to livestock.*
<u>Lettuce, Endive, Escarole</u>	2.0 to 2.8	Preplanting, over-all application.
<u>Melons</u>	10-15 fl. ozs. per 1,000 linear feet of row, regardless of distance between rows.	Preplanting or at planting application.
	2.0	Preplanting or at planting over-all application.
<u>Tomatoes, Eggplants, Peppers other than Bell Peppers Direct Seeded</u>	0.66 to 1.0	Preplanting, at planting or postplanting row application.
	1.5 to 3.0	Preplanting over-all application.
<u>Tomatoes, Eggplants, Peppers other than Bell Peppers Transplants</u>	1.5	Preplanting over-all application.

SHELL CHEMICAL COMPANY
 P.O. BOX 1000
 HOUSTON, TEXAS 77001
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 *See the back of the label for more information.
 **Maximum dosage per acre.

OVER-ALL TREATMENT: Apply NEMAGON 8.6 EC Emulsible Concentrate 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 NEMAGON 8.6 EC Emulsible Concentrate Soil Fumigant in the rows to be treated 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, the dosage per acre for row treatment would be 1/2 the dosage per acre for over all treatment.

APPLICATION AT TIME OF PLANTING: NEMAGON 8.6 EC Emulsible Concentrate Soil Fumigant may 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.

POSTPLANT APPLICATION FOR ANNUAL CROPS: Apply NEMAGON 8.6 EC Emulsible Concentrate 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 NEMAGON 8.6 EC Emulsible Concentrate 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. NEMAGON 8.6 ED Emulsible Concentrate Soil Fumigant may be applied in flood irrigation systems. For specific instructions, consult local Agricultural Extension Service recommendations or authorized Shell Distributors.

DRENCHES (FOR PROFESSIONAL USE ONLY):—For drenches on lawns, turf, around trees and shrubs, and certain nursery beds, mix NEMAGON 8.6 EC Emulsible Concentrate 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.

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

BACTERIAL CANKER AND DECLINE OF PEACH TREES

Use as a post-plant treatment on light (sandy) soil. Apply NEMAGON 8.6 EC Emulsible Concentrate Soil Fumigant at five (5) 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.

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 PRECAUTION

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.

Crop	Rate (gallons/acre)	Application Instructions
Cabbage, Cauliflower, Brussels Sprouts and Broccoli		
Lima Beans		
Lettuce, Endive, Spinach, and other leafy vegetables		
Melons		
Onions, Potatoes, Sweet Potatoes, and other root crops		
Peas, Beans, and other legumes		
Plums and Prunes	4.0 to 10.0	Preplanting, at planting or postplanting, over-all or row application. Allow at least 18 days between treatment and harvest.
Raspberries, Blackberries, Dewberries, Loganberries, Boysenberries	4.0 to 10.0	Preplanting, at planting or postplanting, over-all or row application. Allow at least 18 days between treatment and harvest.
Pineapple	4.0 to 16.0	Preplanting or at planting. Apply 4 to 16 gallons per acre at a depth of 5 inches or more. Avoid placing the fumigant directly in the plant line. Postplanting: Apply 4 to 16 gallons not less than 2 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 16 gallons/acre in a single year in any combination of treatments.
Citrus Trees	8.0 to 12.0	Preplanting, at planting or postplanting, over-all or row by injection or in irrigation water. Do not apply more than once every three years.
Strawberries	1.0 to 1.5	Preplanting or postplanting row application. Allow at least 55 days between treatment and harvest.
Figs	3.0	Preplanting, over-all application. Allow at least 55 days between treatment and harvest.
Walnuts, English	7.0	Preplant, at planting or postplant. Do not treat within 30 days of harvest.
Almonds	4.0	Preplant, at planting or postplant. Allow at least 100 days between treatment and harvest.
	4.0 to 10.0	Preplanting, at planting or postplanting application to new or established plantings, over-all or row application. Do not apply within 30 days of harvest.

Net Contents: 50 Pounds

SHELL CHEMICAL COMPANY, A Division of Shell Oil Company, AGRICULTURAL DIVISION, S

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DIRECTIONS FOR APPLICATION

CROP	GALLONS PER ACRE	TYPE OF TREATMENT
FIELD CROPS Cotton	1.0 to 2.0	Preplanting, at time of planting, or postplanting, row applications.
	1.5 to 3.0	Preplanting, or at time of planting over-all application.
Peanuts	2.0 to 3.0	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 NEMAGON 8.6 EC Emulsible Concentrate 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.
Soybeans (in Southeastern States only)**	1.0 to 2.0	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.*
	1.5 to 3.0	Preplanting or at time of planting, over-all application. Do not treat soils where soybean hay or forage will be used as feed for meat or dairy animals.*
VEGETABLE CROPS Snap beans, Cucumbers, Summer Squash, Carrots, Celery, Parsnips, Radishes and Turnips, Cabbage, Cauliflower, Broccoli, Brussels Sprouts and Okra	1.0 to 1.5	Preplanting, at planting or postplanting row application. Do not feed plant parts to livestock.
	2.0 to 2.5	Preplanting, over-all application. Do not feed plant parts to livestock.
Lima Beans	1.0 to 1.5	Preplanting or at planting, row applications. Do not feed plant parts to livestock.*
	2.0 to 2.5	Preplanting, over-all application. Do not feed plant parts to livestock.*
Lettuce, Endive, Escarole	2.0 to 2.8	Preplanting, over-all application.
Melons	10-15 fl. ozs. per 1,000 linear feet of row, regardless of distance between rows.	Preplanting or at planting application.
	2.0	Preplanting or at planting over-all application.
Tomatoes, Eggplants, Peppers other than Bell Peppers Direct Seeded	0.66 to 1.0	Preplanting, at planting or postplanting row application.
	1.5 to 3.0	Preplanting over-all application.
Tomatoes, Eggplants, Peppers other than Bell Peppers Transplants	1.5	Preplanting over-all application.

CROP

GALLONS PER ACRE

TYPE OF TREATMENT

Roses Newly set up to 6 months Established 6-12 months Established over 12 months	1.0 2.0 5.0	Postplanting row application. See General Directions for calculation of row application rates according to row width.
TURF AND LAWN (FOR PROFESSIONAL USE ONLY) Turf grasses and lawns	5.0 to 10.0	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 8 gallons per acre to bent grasses.
ORNAMENTAL AND NURSERY CROPS African Violet, Ageratum, Aloe, Aralia, Baby Tears, Begonia, Cactus, Caladium, Croton, Dieffenbachia, Dracaena godseffiana, Haworthia, Ivy, Jade Plant, Leucodendron, Nautilogalyx, Nephthytis, Palm, Neanthe Belle, Panda Ears, Sarcococca, Schefflera, Spathiphyllum, Tradescantia	2.0 to 6.0	Preplanting, over-all application.
Achillea, Aglaonema, Ajuga Anchusa, Arbar Vitae, Ardisia, Asparagus Fern, Aster, Astilbe, Azalea, Barberry, Bleeding Heart (Dicentra), Boxwood, Camellia, Campanula, Caryopteris, Cantanthe, Chrysanthemum (Hardy), Coreopsis, Daisy (Shasta), Delphinium, Dianthus, Elm (American), Eucyrmous, Fatsia, Forsythia, Funkia, Gardenia, Gypsophila, Heliothis, Helleborus, Hibiscus, Hypericum, Ilex (Holly), Juniper, Lavender, Ligustrum (Privet), Lilac, Lily Croft, Lily of the Valley, Lythrum, Maple, Maranta, Monarda, Monstera, Oak, Pachysandra, Penstemon, Peony, Peperomia, Periwinkle (Vinca), Philodendron, Phtox, Pine, Pittosporum, Poppy, Pothos, Privet, Quince (Flowering), Rudbeckia, Salvia, Sedum, Spruce, Stokesia, Synogonium, Taxus, Triotoma, Trollius, Veronica, Vinca, Viola, Violet, Weigela	5.0 to 10.0 2.0 to 5.0	Preplanting, over-all application Preplanting or postplanting (on established plants). Row application. See General Directions for row application rates according to row width.
Cherry (Flowering), Chokeberry, Deutzia, Dogwood, Gladiola, Hydrangea, Philadelphus, Snowberry, Spirea, Viburnum	2.0 1.0 to 1.5	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.

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<u>Lettuce, Endive, Escarole</u>	2.0 to 2.8	Preplanting, over-all application.
<u>Melons</u>	10-15 fl. ozs. per 1,000 linear feet of row, regardless of distance between rows.	Preplanting or at planting application.
	2.0	Preplanting or at planting over-all application.
<u>Tomatoes, Eggplants, Peppers other than Bell Peppers Direct Seeded</u>	0.66 to 1.0	Preplanting, at planting or postplanting row application.
	1.5 to 3.0	Preplanting over-all application.
<u>Tomatoes, Eggplants, Peppers other than Bell Peppers Transplants</u>	1.5	Preplanting over-all application.
<u>FRUIT AND NUT CROPS</u>		
<u>Bananas</u>	2.0 to 10.0	Preplanting or at planting: Apply 4 cc under the seed piece. Postplanting: Apply 2 to 6 gallons per acre initially as a row application with supplemental applications of 2 gallons per acre every 9 to 12 months.
<u>Grapes, Peaches, Apricots and Nectarines</u>	4.0 to 10.0	Preplanting, at planting or postplanting application to new or established planting, over-all or row application.
<u>Plums and Prunes</u>	4.0 to 7.0	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.
<u>Raspberries, Blackberries, Dewberries, Loganberries, Boysenberries</u>	4.0 to 10.0	Preplanting, at planting or postplanting to new or established plantings, over-all or row application. Allow at least 48 days between treatment and harvest.
<u>Pineapple</u>	4.0 to 16.0	Preplanting or at planting. Apply 4 to 16 gallons per acre at a depth of 5 inches or more. Avoid placing the fumigant directly in the plant line. Postplanting: Apply 4 to 16 gallons not less than 5 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 16 gallons/acre in a single year in any combination of treatments.
<u>Citrus Trees</u>	8.0 to 12.0	Preplanting, at planting or postplanting, over-all or row by injection or in irrigation water. Do not apply more than once every three years.
<u>Strawberries</u>	1.0 to 1.5	Preplanting or postplanting row application. Allow at least 55 days between treatment and harvest.
	3.0	Preplanting, over-all application. Allow at least 55 days between treatment and harvest.
<u>Figs</u>	7.0	Preplant, at planting or postplant. Do not treat within 30 days of harvest.
<u>Walnuts, English</u>	4.0	Preplant, at planting or postplant. Allow at least 100 days between treatment and harvest.
<u>Almonds</u>	4.0 to 10.0	Preplanting, at planting or postplanting application to new or established plantings, over-all or row application. Do not apply within 30 days of harvest.

<u>Cherry (Flowering), Chokeberry, Deutzia, Dogwood, Gladiolus, Hydrangea, Philadelphia, Snowberry, Spirea, Viburnum</u>	2.0	Preplanting, over-all application.
	1.0 to 1.5	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.

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 FATAL 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 and 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 is thoroughly dry. **KEEP AWAY FROM HEAT AND 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. 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.

Licensed for use under U. S. Patents 2,937,936 and 3,049,472.

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

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