



SP

ACTIVE INGREDIENT:
1,3-Dichloropropene 92%
INERT INGREDIENTS: 8%
E.P.A. Registration No. 464-511-AA
E.P.A. Est. No. 464-TX-1^{TB}; 464-CA-1^{WP};
05770-CO-1^V; 33780-SC-1^J; 33776-WA-1^W;
14775-FL-1-^B.
Superscript used corresponds to letter in Lot No.

AGRICULTURAL CHEMICAL

**Do Not Ship or Store with
Food, Feeds, or Clothing**

PRECAUCION AL USUARIO: Si usted no lee
inglés, no use este producto hasta que la eti-
queta le haya sido explicada ampliamente.

TRANSLATION: (TO THE USER: If you cannot
read English, do not use this product until the
label has been fully explained to you.)

TELONE* II

SOIL FUMIGANT

*A Clean, Clear, Non-Clogging Liquid for Preplant Treatment of Crop
Lands to Control Plant Parasitic Nematodes and Certain Other Soil Pests*

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Lands to Control Plant Parasitic Nematodes and Certain Other Soil Pests*

55 GAL/208.1 L

THE DOW CHEMICAL COMPANY

AND SUBSIDIARIES

MIDLAND, MICHIGAN 48640, USA ZURICH, SWITZERLAND HONG KONG, BCC

CORAL GABLES, FLORIDA 33134, USA SARNIA, ONTARIO, CANADA

* Trademark of THE DOW CHEMICAL COMPANY

86-1350 PRINTED IN U.S.A. IN SEPTEMBER, 1975

REPLACES SPECIMEN LABEL 86-1350 PRINTED IN MARCH, 1975

DISCARD PREVIOUS SPECIMEN LABELS

REVISION INCLUDES: CORRECTION OF FOURTH SENTENCE IN FIRST
PARAGRAPH UNDER "USE PRECAUTIONS" REGARDING AMMONIA INJURY.



SPECIMEN LABEL
REDUCED TO 61%

ELONE* II

IL FUMIGANT

**Clear, Non-Clogging Liquid for Preplant Treatment of Crop
Control Plant Parasitic Nematodes and Certain Other Soil Pests**

DANGER

**KEEP OUT OF REACH OF CHILDREN
HAZARDOUS LIQUID AND VAPOR
MAY BE FATAL IF INHALED,
ABSORBED THROUGH SKIN, OR SWALLOWED
CAUSES BURNS OF SKIN OR EYES
COMBUSTIBLE**

Do Not Get in Eyes, on Skin, or on Clothing. Wear Eye and Skin Protection Necessary to Prevent Contact When Handling This Material. Wash Thoroughly after Handling and Before Eating and Smoking. Wash Contaminated Clothing and Air Contaminated Shoes Thoroughly Before Reuse. DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. Use Only with Adequate Ventilation. Do Not Breathe Vapor.

In case of contact, immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. For eyes, flush with flowing water for at least 15 minutes and get medical attention.

In case of spillage indoors have available an approved full face mask equipped with a fresh black canister meeting specifications of the U. S. Bureau of Mines for organic vapors. A full face self-contained breathing apparatus or full face air-supplied respirator.

If inhaled, remove to fresh air. Use artificial respiration if breathing has stopped. Get immediate medical attention. Keep patient absolutely quiet.

If swallowed, call a doctor. Induce vomiting by giving an emetic such as 2 tablespoonsful of table salt in a glass of warm water.

ACCEPTED

LONE* II

L FUMIGANT

r, Non-Clogging Liquid for Preplant Treatment of Crop
of Plant Parasitic Nematodes and Certain Other Soil Pests

5 GAL/208.1 L

V CHEMICAL COMPANY

AND SUBSIDIARIES

640, USA ZURICH, SWITZERLAND HONG KONG, BCC

FLORIDA 33134, USA SARNIA, ONTARIO, CANADA

* Trademark of THE DOW CHEMICAL COMPANY

75

FIRST
INJURY.

DANGER

KEEP OUT OF REACH OF CHILDREN
HAZARDOUS LIQUID AND VAPOR
MAY BE FATAL IF INHALED,
ABSORBED THROUGH SKIN, OR SWALLOWED
CAUSES BURNS OF SKIN OR EYES
COMBUSTIBLE

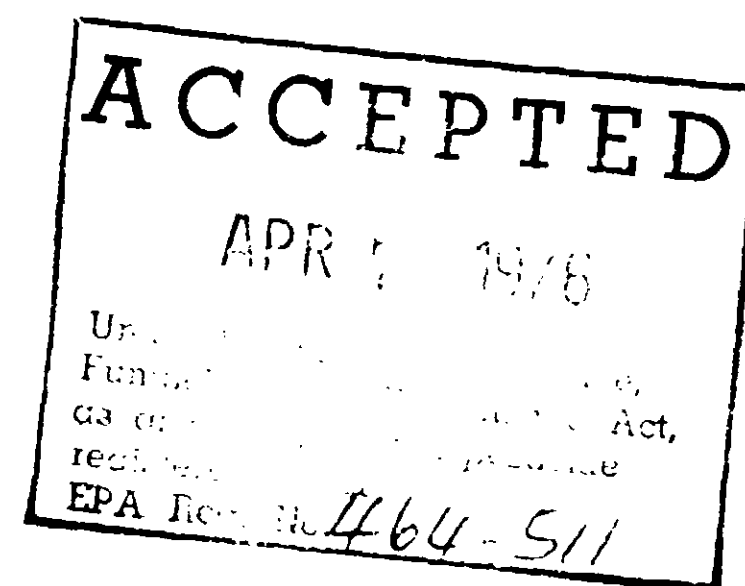
Do Not Get in Eyes, on Skin, or on Clothing. Wear Eye and Skin Protection Necessary to Prevent Contact When Handling This Material. Wash Thoroughly after Handling and Before Eating and Smoking. Wash Contaminated Clothing and Air Contaminated Shoes Thoroughly Before Reuse. DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. Use Only with Adequate Ventilation. Do Not Breathe Vapor.

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If inhaled, remove to fresh air. Use artificial respiration if breathing has stopped. Get immediate medical attention. Keep patient absolutely quiet.

If swallowed, call a doctor. Induce vomiting by giving an emetic such as 2 tablespoonfuls of table salt in a glass of warm water.



SPECIMEN LABEL
(BACK)
REDUCED TO 41%

TELONE II

SOIL FUMIGANT

GENERAL INFORMATION

Use TELONE II soil fumigant only as a **preplanting soil treatment** to control plant parasitic nematodes [root-knot, meadow (lesion), citrus, cyst formers (golden, sugar beet, soybean), burrowing, ring, spiral, sting, pin, stubby root, stylet, dagger], also to control wireworms and garden centipedes (symphylans). Fumigate land to be planted to the crops listed below by applying TELONE II under the conditions and at the rates recommended under DIRECTIONS FOR USE, DOSAGE AND USE RECOMMENDATIONS, and USE PRECAUTIONS. Read the entire label before using TELONE II.

Vegetable Crops:

asparagus	cauliflower	horseradish	parsnips	shallots
beans	celery	kale	peas	spinach
beets	collards	kohlrabi	peppers	squash (summer)
blackeyed peas	corn	leeks	pimientos	squash (winter)
broccoli	cowpeas	lettuce	potatoes	sweet potatoes
brussels sprouts	cucumbers	melons	pumpkins	swiss chard
cabbage	egg plant	mildard greens	radishes	tomatoes
cantaloupe	endive	okra	rutabaga	turnips
carrots	garlic	onions	salsify	watermelons

Field Crops:

alfalfa	flax	oats	sorghum
barley	grasses	pasture grass	soybeans
birdfoot trefoil	hops	peanuts	sugar beets
buckwheat	lespedeza	popcorn	sugarcane
clover	millet	rice	tobacco
corn	milfo	rye	vetch
cotton	mint	safflower	wheat

Citrus Fruit Tree Planting Sites:

grapefruit	kumquats	lemons	limes	oranges	tangerines	tangelos
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Deciduous Fruit and Nut Tree Planting Sites:

almonds	dates	olives	plums
apples	figs	peaches	pomegranates
apricots	filberts	pears	prunes
cashews nuts	hazelnuts	pecans	quince
cherries	hickory nuts	persimmons	walnuts
chestnuts	nectarines	pineapple	

Bush and Vine Planting Sites:

blackberries	currants	huckleberries	youngberries
blueberries	dewberries	loganberries	
boysenberries	gooseberries	raspberries	
cranberries	grapes	strawberries	

Nursery Crops including floral plants, ornamentals, shrubs, and bushes, forest, shade, fruit and nut trees, and vine and bramble fruits of all types.

DIRECTIONS FOR USE

WHEN TO TREAT: Apply TELONE II either in the spring or fall, whenever soil type and conditions permit. For best results with annual crops, treat the soil each year. In northern states, late summer or early fall treatment (before October 15) is best for land to be planted to early spring crops, especially transplanted crops such as celery, tomatoes, and nursery and orchard stock. Early fall treatment permits planting a fall cover crop. **Note:** Treat muck soils only in the early fall and plant as late as possible in the spring (fine textured (clay) soils only when they are near or at the wilting point. Do not use TELONE II to treat any type of soil when it is cold and/or wet.

SOIL PREPARATION: TELONE II gives best results when conditions permit rapid diffusion of the fumigant through the soil and the soil surface can be sealed to prevent excessive fumigant loss during the exposure period. The soil should be in good seed bed condition, free of clods and undecomposed plant material, moisture at about one-half of field capacity, and temperature between 40° and 80° F at the depth of injection. If undecomposed plant debris is present, it should be plowed down and allowed to decompose before applying TELONE II. Tillage deeper than 12 inches is necessary for good fumigant penetration in soils where a hard or "plow pan" occurs at plow depth. Where deep tillage is used, the tillage equipment may often be modified to simultaneously apply the fumigant and thus avoid going over the field twice.

APPLICATION: TELONE II may be applied either as an **overall (broadcast)** or **row treatment**, using suitable application equipment that will ensure placement of the fumigant at least 6 to 8 inches below the final soil surface. **For overall application** use either plowsole or chisel equipment with the chisels spaced 12 inches apart. When the fumigant is injected at a depth of 12 inches or more (deep tillage), the chisel spacing may be up to twice the application depth but should not exceed 30 inches. Application may be made in the same direction or at an angle to the direction of the planting row, whichever is most convenient. **For row**

Crops (consult list individual crops General Inform

Shallow Rooted Plants
Field Crops
Floral Crops
Grasses and Turf
Small Fruits
Vegetables
Ornamentals

Strawberries

Sugar Beets
Root-Knot
Nematode

Sugar Beet
Nematode

Pineapple^a

Citrus -- Florida^b

Nursery and Field^c
Citrus Fruit Trees
Deciduous Fruit
Forest Trees
Grapes
Nut Trees
Ornamentals
(deep rooted)

^aUse the higher rates in
Early spring nematode
For muck soils contain
For water and pineapple
For citrus and nematode
For 2 years before repla
Row treatment is not re
Tree planting sites prep
results prepare and tre
Use TELONE II as an air
of light sand, 10 lbs at t
warm (50-85° F) at 6 inch
Follow directions for so

NOTE: To control sym
early fall when the soil
treatments.

White Potatoes in
quackgrass and fo
potatoes. Apply a

Time of Tre

Spring
Fall

Mint in Northwest
Overall treatment
Verticillium wilt in
weeks or until the
State or State E
weed control and
Verticillium wilt

Important -- Note
salt in the soil. Th
are either cold we
tests made after fu
seeds do not use fo
the crop is well es
Certain crops incl
not apply to them
liming of highly a

**FLAMMABLE
LIQUID
N.O.S.**



birdsfoot trefoil	hops	peanuts	sugar beets	Ornamentals (deep rooted)		
buckwheat	lespedeza	popcorn	sugarcane			
clover	millet	rice	tobacco			
corn	milo	rye	vetch			
cotton	mint	safflower	wheat			
Citrus Fruit Tree Planting Sites:						
grapefruit	kumquats	lemons	limes	oranges	tangerines	tangelos
Deciduous Fruit and Nut Tree Planting Sites:						
almonds	dates	olives	plums			
apples	figs	peaches	pomegranates			
apricots	filberts	pears	prunes			
cashews nuts	hazelnuts	pecans	quince			
cherries	hickory nuts	persimmons	walnuts			
chestnuts	nectarines	pineapple				
Bush and Vine Planting Sites:						
blackberries	currants	huckleberries	youngberries			
blueberries	dewberries	loganberries				
boysenberries	gooseberries	raspberries				
cranberries	grapes	strawberries				
Nursery Crops including floral plants, ornamentals, shrubs, and bushes, forest, shade, fruit and nut trees, and vine and bramble fruits of all types						

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SEALING: Immediately after application, compact the soil surface to prevent excessive fumigant loss. After chisel application, use a roller, cultipacker, or similar sealing device. After plow-sole application, disk the land, then compact it by floating or rolling. Sealing after row application can be accomplished by the tractor wheel, by listing, or by bedding so that the fumigant will be 12 to 14 inches below the top of the bed. When fumigating listed rows, seal in the fumigant with ring rollers, press sealers, or by re-listing.

EXPOSURE PERIOD: After application and sealing, leave the soil undisturbed for 7 to 14 days. A longer exposure period will be required if the soil becomes excessively cold or wet during the exposure period.

AERATION AND PREPARATION OF SOIL BEFORE PLANTING: At the end of the exposure period allow the soil to aerate completely before planting the crop. Aeration is usually complete when the odor of TELONE II is no longer evident. Under optimum soil and weather conditions, allow one week of aeration time for each 10 gallons of TELONE II applied per acre. When TELONE II is used for treating deep-rooted tree and shrub planting sites, a 3 to 6 months aeration period should be allowed. To hasten aeration, **especially if heavy rains or low temperatures occur during the exposure period**, work the soil to the depth of the treatment zone. After row treatment use a knife-like chisel in the bed without turning the soil, thus reducing possible recontamination of the treated soil. To hasten aeration after overall treatment, plow or deep cultivate to the depth of the treatment zone. This is especially desirable in northern states after fall fumigation of muck soils.

Time of Treatm

Spring
Fall

Mint in Northwestern overall treatment in the Verticillium wilt in dis weeks or until the odo Station or State Exte weed control, and of Verticillium wilt.

Important — Note Ca salts in the soil. This is are either cold, wet, ac tests made after fumig soils do not use fertili the crop is well estab.

Certain crops includir not apply to them. W liming of highly acid ammonia toxicity. Cel vegetable crops such To avoid this possibl experience and rates i

Attention: To avoid re crop remains that c Since TELONE II soil erosione immediately equipment made of a severely corrosive to be penetrated readily chisels and hands with from dwellings. In out or bottom recessed at

Do not allow contamin food, feedstuffs, or dr

To avoid injury to fish bodies of water.

Use seal equipment and supplies. Dispose of e as this product is only

NOTICE: Do not use this m use when used in a da VERGILANTARILY. COUTH age 12 to 18 years. Under one, many, or more

© 1974, 1975

TELONE II

SOIL FUMIGANT

GENERAL INFORMATION

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Vegetable Crops:

asparagus	cauliflower	horseradish	parsnips	shallots
beans	celery	kale	peas	spinach
beets	collards	kohlrabi	peppers	squash (summer)
blackeyed peas	corn	leeks	pimientos	squash (winter)
broccoli	cowpeas	lettuce	potatoes	sweet potatoes
brussels sprouts	cucumbers	melons	pumpkins	swiss chard
cabbage	egg plant	mustard greens	radishes	tomatoes
cantaloupe	endive	okra	rutabaga	turnips
carrots	garlic	onions	salsify	watermelons

Field Crops:

alfalfa	flax	oats	sorghum
barley	grasses	pasture grass	soybeans
birdsfoot trefoil	hops	peanuts	sugar beets
buckwheat	respedeza	popcorn	sugarcane
clover	millet	rice	tobacco
corn	milo	rye	vetch
cotton	mint	safflower	wheat

Citrus Fruit Tree Planting Sites:

grapefruit	kumquats	lemons	limes	oranges	tangerines	tangelos
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Deciduous Fruit and Nut Tree Planting Sites:

almonds	dates	olives	plums
apples	figs	peaches	pomegranates
apricots	filberts	pears	prunes
cashews nuts	hazelnuts	pecans	quince
cherries	hickory nuts	persimmons	walnuts
chestnuts	nectarines	pineapple	

Bush and Vine Planting Sites:

blackberries	currants	huckleberries	youngberries
blueberries	dewberries	loganberries	
boysenberries	gooseberries	raspberries	
cranberries	grapes	strawberries	

Nursery Crops including floral plants, ornamentals, shrubs, and bushes, forest, shade, fruit and nut trees and vine and bramble fruits of all types.

DIRECTIONS FOR USE

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DOSAGE AND USE RECOMMENDATIONS to Control Nematodes, Symphylans, and Wireworms

Crops (consult list of individual crops under General Information)	Type of Treatment	Soil Type	Dosage		
			Gallons Per Acre ¹	Fl. Oz. 1000 Ft. Row Per Chisel	
Shallow Rooted Plants Field Crops Floral Crops Grasses and Turf Small Fruits Vegetables Ornamentals	Row (42")	Mineral	4.5 to 6	46 to 62	
		Muck or Peat	9 to 12	93 to 123	
	Overall (Broadcast)	Mineral	9 to 15	26 to 44	
		Muck or Peat	24 to 36	71 to 106	
Strawberries	Overall	Mineral	24 to 36	71 to 106	
Sugar Beets Root-Knot Nematode	Row (42")	Mineral	6	62	
	Overall		12 to 15	35 to 44	
Sugar Beet Nematode	Row (42")		9	93	
	Overall		12 to 18	35 to 53	
Pineapple ⁴	Row	Mineral	24 to 36	--	
Citrus -- Florida ⁵	Overall	Mineral	36	106	
Nursery and Field ^a	Overall ^b Gallons Per Acre to Penetrate Various Depths				
Citrus Fruit Trees	Mineral Soils	3 ft	4 ft	5 ft	6 ft
Deciduous Fruit Trees ^b	Sand	15	21	27	33
Forest Trees	Sandy Loam	27	30	36	48
Grapes	Silt Loam	42	51	63	75
Nut Trees	Clay Loam	54	69	84	102
Ornamentals (deep rooted)					

¹Use the higher rates in heavy soils.

²For fast killing nematodes increase dosage to 18 gallons per acre (54 fl. oz. 1000 ft. row per chisel).

³For muck soils containing less than 30% organic matter use 18 gallons per acre.

⁴For Hawaiian pineapple, application may be made at time of or just before planting.

⁵For citrus nematode control, inject on 18 inch centers 12 inches deep. Keep free of plants susceptible to root wilt for 2 years before replanting to citrus.

⁶Row treatment is not recommended for potatoes in irrigated areas of western and northwestern states.

⁷Tree planting sites prepared by backhoeing may be treated by pouring 2 fl. oz. of TELONE II into the hole during backhoeing. For best results prepare and treat sites in the fall and plant in the spring.

⁸Use TELONE II as an aid in the control of bacterial canker and decline of peach trees by application as a preplant overall treatment of light (sandy) soils at the rate of 24 to 36 gallons per acre (71 to 106 fl. oz. 1000 ft. row per chisel, preferably in the fall, when the soil is warm (50-85° F) at 6-inch depth and must inject the fumigant at a depth of 10 to 12 inches with chisels mounted on 12 inch centers. Follow directions for soil preparation, sealing, exposure, and aeration as specified elsewhere on this label.

NOTE: To control symphylans, garden centipedes, use only overall at 18 or more gallons per acre and apply during late summer or early fall, after the soil is warm. To control wireworms, use the higher dosages recommended for nematodes in muck soils and repeat treatments.

White Potatoes in Northwestern States: Use TELONE II as a spring or preferably a fall treatment to control quackgrass and for suppression of the damaging effects of Verticillium wilt in fields to be planted to white potatoes. Apply as an overall treatment according to the following directions.

Time of Treatment	Gallons per Acre	Fl. Oz. 1000 Ft. Row per Chisel
Spring	17 to 25	50 to 73
Fall	25 to 34	73 to 100

Mint in Northwestern States: Use 59 gallons of TELONE II per acre (173 fl. oz. 1000 ft. row per chisel) as an overall treatment in the spring, or preferably in the fall, to aid in the reduction of the damaging effects of Verticillium wilt in disease infested land to be used for mint production. After treatment allow at least 7 to 8 weeks or until the odor of the fumigant has left the soil before planting. Consult State Agricultural Experiment Station or State Extension Service Specialists for the use of other practices such as flaming, the stubble, weed control, and cultural practices when using TELONE II as an aid to reducing damage caused by Verticillium wilt.

USE PRECAUTIONS

Important — Note Carefully. Fumigation may temporarily raise the level of ammonia in the soil 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 plant roots, fertilize as indicated by soil tests made after fumigation. To avoid ammonia toxicity or plant starvation, or both, to crops on high organic soils do not use fertilizers containing ammonium salts and use only fertilizers containing nitrates, until after the crop is well established and the soil temperature is above 65° F.

Certain crops including cotton, sugarcane, and pineapple are tolerant to ammonia and the above table does not apply to them. When using high rates of TELONE II as required by certain state nursery regulations, flaming of highly acid soils before fumigation may stimulate nitrification and reduce the possibility of ammonia toxicity. Certain nursery crops such as citrus seedlings (*Citrus* sp.), *Crataegus* sp., spruce, and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this possible effect, it is suggested that additional phosphate fertilizer be used on soils where

Field Crops:			
alfalfa	flax	oats	sorghum
barley	grasses	pasture grass	soybeans
birdsfoot trefoil	hops	peanuts	sugar beets
buckwheat	lespedeza	popcorn	sugarcane
clover	millet	rice	tobacco
corn	milo	rye	vetch
cotton	mint	safflower	wheat

Citrus Fruit Tree Planting Sites:

grapefruit	kumquats	lemons	limes	oranges	tangerines	tangelos
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Deciduous Fruit and Nut Tree Planting Sites:

almonds	dates	olives	plums
apples	figs	peaches	pomegranates
apricots	filberts	pears	prunes
cashews nuts	hazelnuts	pecans	quince
cherries	hickory nuts	persimmons	walnuts
chestnuts	nectarines	pineapple	

Bush and Vine Planting Sites:

blackberries	currants	huckleberries	youngberries
blueberries	dewberries	loganberries	
boysenberries	gooseberries	raspberries	
cranberries	grapes	strawberries	

Nursery Crops including floral plants, ornamentals, shrubs, and bushes, forest shade, fruit and nut trees and vine and bramble fruits of all types

DIRECTIONS FOR USE

WHEN TO TREAT: Apply TELONE II either in the spring or fall, whenever soil type and conditions permit. For best results with annual crops, treat the soil each year. In northern states, late summer, or early fall treatment (before October 15) is best for land to be planted to early spring crops, especially transplanted crops such as celery, tomatoes, and nursery and orchard stock. Early fall treatment permits planting a fall cover crop. **Note:** Treat muck soils only in the early fall and plant as late as possible in the spring; treat fine textured (clay) soils only when they are near or at the wilting point. Do not use TELONE II to treat any type of soil when it is cold and/or wet.

SOIL PREPARATION: TELONE II gives best results when conditions permit rapid diffusion of the fumigant through the soil and the soil surface can be sealed to prevent excessive fumigant loss during the exposure period. The soil should be in good seed bed condition, free of clods and undecomposed plant material, moisture at about one-half of field capacity, and temperature between 40° and 80° F at the depth of injection. If undecomposed plant debris is present, it should be plowed down and allowed to decompose before applying TELONE II. Tillage deeper than 12 inches is necessary for good fumigant penetration in soils where a hard or "plow pan" occurs at plow depth. Where deep tillage is used, the tillage equipment may often be modified to simultaneously apply the fumigant and thus avoid going over the field twice.

APPLICATION: TELONE II may be applied either as an **overall (broadcast)** or **row treatment**, using suitable application equipment that will ensure placement of the fumigant at least 6 to 8 inches below the final soil surface. **For overall application** use either plowsole or chisel equipment with the chisels spaced 12 inches apart. When the fumigant is injected at a depth of 12 inches or more (deep tillage), the chisel spacing may be up to twice the application depth but should not exceed 30 inches. Application may be made in the same direction or at an angle to the direction of the planting row, whichever is most convenient. **For row application**, use chisel equipment with one chisel per row or two chisels spaced 12 inches apart to treat only the soil where the crop is to be planted. When one chisel per row is used, adjust the fumigant flow rate to distribute about 1 1/3 times more fumigant per chisel than is recommended for overall application. When two chisels are used per row, apply at the same flow rate per chisel as for overall. In both cases, the amount of fumigant required per acre will decrease as the distance between rows is increased and vice versa. At time of planting, avoid placing the seed row directly over the furrow left by the applicator chisel. When a single chisel is used per row, place the seed 3 to 4 inches to one side of the chisel furrow; when two chisels are used plant in the center of the area between the chisel furrows.

SEALING: Immediately after application, compact the soil surface to prevent excessive fumigant loss. After chisel application, use a roller, cultipacker, or similar sealing device. After plow-sole application, disk the land, then compact it by floating or rolling. Sealing after row application can be accomplished by the tractor wheel, by listing, or by bedding so that the fumigant will be 12 to 14 inches below the top of the bed. When fumigating listed rows, seal in the fumigant with ring rollers, press sealers, or by re-listing.

EXPOSURE PERIOD: After application and sealing, leave the soil undisturbed for 7 to 14 days. A longer exposure period will be required if the soil becomes excessively cold or wet during the exposure period.

AERATION AND PREPARATION OF SOIL BEFORE PLANTING: At the end of the exposure period allow the soil to aerate completely before planting the crop. Aeration is usually complete when the odor of TELONE II is no longer evident. Under optimum soil and weather conditions, allow one week of aeration time for each 10 gallons of TELONE II applied per acre. When TELONE II is used for treating deep-rooted tree and shrub planting sites, a 3 to 6 months aeration period should be allowed. To hasten aeration, **especially if heavy rains or low temperatures occur during the exposure period**, work the soil to the depth of the treatment zone. After row treatment use a knife-like chisel in the bed without turning the soil, thus reducing possible recontamination of the treated soil. To hasten aeration after overall treatment, plow or deep cultivate to the depth of the treatment zone. This is especially desirable in northern states after fall fumigation of muck soils.

Forest Trees Grapes Nut Trees Ornamentals (deep rooted)	Sand	15	21	27	33
	Sandy Loam	27	30	36	48
	Silt Loam	42	51	63	75
	Clay Loam	54	69	84	102

Use the higher rates in heavier soil.

For cyst-forming nematodes, increase dosage to 18 gallons per acre (53 fl. oz./1000 ft. row per chisel).

For muck soils containing less than 30% organic matter use 18 gallons per acre.

For Hawaii pineapple, application may be made at time of or just before planting.

For burrowing nematode in citrus, inject on 18-inch centers, 12 inches deep. Keep free of plants susceptible to burrowing nematode for 2 years before replanting to citrus.

*Row treatment is not recommended for potatoes in irrigated areas of western and northwestern states.

*Tree planting sites prepared by backhoeing may be treated by using 1 1/2 to 2 1/2 times the rate during backhoeing. For best results prepare and treat sites in the fall and plant in the spring.

*Use TELONE II as an aid in the control of bacterial canker and blight of tomatoes by application as a preplant, overall treatment of light (sandy) soils at the rate of 24 to 36 gallons per acre (77 fl. oz./1000 ft. row per chisel), preferably in the fall, when the soil is warm (50-85° F) at 6-inch depth and moist. Inject the fumigant to a depth of 10 to 12 inches with chisels mounted on 12-inch centers. Follow directions for soil preparation, sealing, exposure, and aeration as specified elsewhere on this label.

***NOTE:** To control symphylan, garden centipedes, use 10 to 15 gallons at 18-inch spacing prior to and applying late summer or early fall when the soil is warm. To control wireworms use the higher dosages recommended for nematodes. For control of brambles, treatments.

White Potatoes in Northwestern States: Use TELONE II as a spring or, preferably a fall treatment to control quackgrass and for suppression of the damaging effects of Verticillium wilt in fields to be planted to white potatoes. Apply as an overall treatment according to the following directions:

Time of Treatment	Gallons per Acre	Fl. Oz. 1000 Ft. Row per Chisel
Spring	17 to 25	50 to 73
Fall	25 to 34	73 to 100

Mint in Northwestern States: Use 59 gallons of TELONE II per acre (173 fl. oz./1000 ft. row per chisel) as an overall treatment in the spring, or preferably in the fall, to aid in the reduction of the damaging effects of Verticillium wilt in disease infested land to be used for mint production. After treatment allow at least 7 to 8 weeks or until the odor of the fumigant has left the soil before planting. Consult State Agricultural Experiment Station or State Extension Service Specialists for the use of other practices such as flaming the stubble, weed control, and cultural practices when using TELONE II as an aid to reducing damage caused by Verticillium wilt.

USE PRECAUTIONS

Important — 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 plant roots, nitrogen is indicated by soil tests made after fumigation. To avoid ammonia injury or nitrate starvation, or both, in crops on high organic soils do not use fertilizers containing ammonium salts and use only fertilizers containing nitrates until after the crop is well established and the soil temperature is above 65° F.

Certain crops including cotton, sugarcane, and pineapple are tolerant to ammonia and the rate of rate does not apply to them. When using high rates of TELONE II as required by certain tobacco seedling conditions, liming of highly acid soils before fumigation may stimulate nitrification and reduce the consistency of ammonia toxicity. Certain nursery crops such as citrus seedlings, Cornus, and cherubys, and spruce, and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this possible effect, it is suggested that additional phosphate fertilizer be used on soils where experience indicates a deficiency may occur.

Attention: To avoid reinfestation of treated soil, do not use irrigation water, transplant, tools, seed pieces, or crop remains that could carry soilborne pests from infested land. Clean equipment carefully before using.

Since TELONE II soil fumigant is corrosive under certain conditions, flush all applicators with fuel oil or kerosene immediately after use. **DO NOT USE WATER. Do not use containers, pumps, or other transfer equipment made of aluminum, magnesium or their alloys, as under certain conditions TELONE II may be severely corrosive to such metals.** Common protective clothing, such as rubber gloves and boots, etc., may be penetrated readily by this material. Polyethylene provides a good barrier. For field operations cover shoes and hands with polyethylene bags. Store TELONE II in tightly closed containers in a cool place away from dwellings. In outside storage, store drums on their sides to avoid accumulation of rain water in the top and bottom recessed areas.

Do not allow contamination of seeds, plants, fertilizers, or other pesticide formulations, bait, or farm products, feedstuffs, or domestic water supplies.

To avoid injury to fish and other wildlife, do not apply or empty TELONE II into streams, ponds, or other bodies of water.

Rinse equipment and containers, and dispose of wastes by burying in noncrop lands away from water supplies. Dispose of empty containers by punching holes in them and burying with wastes.

Use this product only as specified on this label.

NOTICE: Seller warrants that the product conforms to its chemical description and, so long as it is used for the purposes stated on the label when used in accordance with directions under normal conditions of use, and that this warranty does not constitute a 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 it hereby assumes the risk of any such use.

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