Specimen Label

RESTRICTED USE PESTICIDE

Due to high acute inhalation toxicity and carcinogenicity.
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Dow AgroSciences™

Telone® EC

Soil Fumigant

®Trademark of Dow AgroSciences LLC

A liquid fumigant for preplant treatment of soil to control plant parasitic nematodes and certain other soil pests in cropland using drip irrigation systems only.

Active Ingredient:	(by weight)
1,3-dichloropropene	93.6%
Other Ingredients	6.4%
Total	100.0%

1 gallon of Telone EC weighs 10.1 lb at 70°F. Contains 9.45 lb of 1,3-dichloropropene per gallon.

Keep Out of Reach of Children

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Precautionary Statements

Hazards to Humans and Domestic Animals

EPA Reg. No. 62719-321

WARNING

Hazardous Liquid and Vapor

- **Do not swallow any of this product. May be fatal if swallowed.**
- **Do not get in eyes. Causes substantial, but temporary eye injury.**
- **Do not get on skin. May be fatal if absorbed through the skin. Causes skin irritation and, if confined, skin burns. May cause allergic skin reaction.**
- **Do not breathe vapor. May be fatal if inhaled. May cause lung, liver, and kidney damage and respiratory system irritation upon prolonged contact.**
- **The use of this product may be hazardous to your health. This product contains 1,3-dichloropropene, which has been determined to cause tumors in laboratory animals. Risks can be reduced by exactly following directions for use, precautionary statements, by wearing the personal protective equipment specified in this labeling.**

Personal Protective Equipment (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category H on an EPA chemical resistance category selection chart. PPE constructed of saranex, neoprene, and chlorinated polyethylene provide short-term contact or splash protection against liquid in this product. Longer-term protection is provided by PPE constructed of viton, Teflon, and EVAL barrier laminates (for example, responder suits manufactured by Life-guard or silvershield gloves manufactured by North). Where chemical-resistant materials are required, leather, canvas, or cotton materials offer no protection from this product and must not be worn when contact with this product is possible. Coveralls must be loose-fitting and constructed of woven fabrics (e.g., tight knit cotton or cotton/polyester), non-woven fabrics (e.g., tyvek or sontara), or fabrics containing microporous Teflon.

1. **Handlers Performing Mechanical Transfer of Product - Closed Delivery Systems**
   - Long-sleeved shirt and long pants
   - Chemical-resistant gloves, such as barrier laminate (EVAL) or viton
   - Chemical-resistant footwear and socks
   - Face-sealing goggles

   The following PPE must be immediately available to the handler in case of emergency:
   - Coveralls
   - Full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.
2. **Handlers Performing Tasks with Liquid Contact Potential**

   Tasks with liquid contact potential are tasks performed outdoors. These tasks are:
   - Equipment calibration or adjustment
   - Equipment clean-up and repair
   - Product sampling
   - Rinsate disposal
   - Fumigant transfer - open delivery systems
   - Clean-up of small spills
   - Preparing containers for aeration
   - Any activity less than 6 feet from an unshielded pressurized hose containing this product.

   Handlers performing tasks with liquid contact potential must wear:
   - Coveralls over short-sleeved shirt and short pants
   - Chemical-resistant gloves, such as barrier laminate (EVAL) or viton
   - Chemical-resistant footwear plus socks
   - Chemical-resistant headgear for overhead exposure
   - Chemical-resistant apron
   - A face shield or safety glasses with brow and temple shields (do not wear chemical goggles)
   - A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.
3. **Handlers in the Treated Area Within 5 Days After Application**

   Only the following handler tasks may be performed in the treated area within 5 days after the application is complete:
   - Assessing pest control, application technique, or application efficacy
   - Sampling air or soil for this product
   - Assessing/adjusting the soil seal (tarped applications only)
   - Removal of tarp or plastic film (tarped applications only)

   All other tasks are prohibited until the 5-day period has expired.

   Handlers performing the above tasks in the treated area within 5 days after application must wear:
   - Coveralls
   - Chemical-resistant gloves, such as barrier laminate (EVAL) or viton
   - Chemical-resistant footwear and socks

- Full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

4. Handlers Exposed to High Concentrations

Handlers exposed to high airborne concentrations of this product, such as cleanup following large spills, must wear**:**

- Chemical-resistant suit
- Chemical-resistant gloves, such as barrier laminate (EVAL) or viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear
- Supplied-air respirator with MSHA/NIOSH approval number prefix TC-19C **or** self-contained breathing apparatus (SCBA) with MSHA/NIOSH approval number prefix TC-13F. See further respirator requirements in the User Safety Requirements section on this label.

Note: In-tank cleaning of bulk tanks must be performed only by persons who have been specifically trained for this activity. Refer to OSHA 29 CFR Part 1910.146.

Engineering Controls

With all bulk and mini-bulk containers, Telone EC must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with liquid Telone EC.

- All hoses, piping, and tanks used in connection with Telone EC shall be of the type appropriate for use under the pressure and vacuum conditions to be encountered.
- External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
- The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
- Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of Telone EC when the transfer is stopped and hose is removed or disconnected. A dry coupler that will minimize pesticide leakage must be installed at the disconnect point.
- The pressure in hoses used to move Telone EC beyond a pump must not exceed the manufacturer's maximum pressure specification.

User Safety Requirements

1. **Respirator Requirements:** When a respirator is required for use with this product, the following criteria must be met:
   a. Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
   b. Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner.
   c. Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
   d. Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
2. **Dispose of Contaminated Clothing:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
3. **Clean and Maintain PPE:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.
4. **Contact with Mouth:** Never siphon this product by mouth or use mouth to blow out clogged lines, nozzles, etc.
5. **Heat Illness Avoidance:** Use measures to avoid or minimize heat illness while using this product. These measures include gradual adjustment to heat and respirator stress, fans for cooling, cooling vests, frequent breaks to cool down, frequent intake of drinking water, and maintaining weight from day to day.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to physician: Because rapid absorption may occur through lungs if product is aspirated and cause systemic effects, the decision to induce vomiting or not should be made by a physician. If lavage is performed, endotracheal and/or esophageal control is suggested. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. See Storage and Disposal section. In case of spills properly dispose of contaminated materials.

Groundwater advisory: 1,3-dichloropropene is known to move through soil and under certain conditions has the potential to reach groundwater as a result of agricultural use. Application in areas where soils are permeable and groundwater is near the surface could result in groundwater contamination.

Physical or Chemical Hazards

Combustible. Do not use or store near heat or open flame.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restriction:
Entry (including early entry that would otherwise be permitted under the WPS) by any person -- other than a correctly trained and equipped handler who is performing a handling task permitted on this labeling -- is **prohibited** from the start of application until 5 days after application. Non-handler entry is prohibited while tarps are being removed.

Notification:
Notify workers of the application by warning them orally and by posting fumigant warning signs at entrances to treated areas. The sign must bear the skull and crossbones symbol and state: (1) "**DANGER/PELIGRO,"** (2) Areas under fumigation, **DO NOT ENTER/NO ENTRE,"** (3) the date and time of fumigation, (4) "Telone EC fumigant in use," and (5) name, address, and telephone number of the applicator." Post the fumigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE for Reentry During the Entry Restricted Period:
PPE for entry that is permitted by this labeling is listed in the Hazards to Humans and Domestic Animals section of this labeling.

POSTING REQUIREMENTS

Posting of areas to be chemigated is required when any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads.

Posting must conform to the following requirements: Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of signs should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted for 14 days. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for duration of the posting period.

All words shall consist of letters at least 2 1/2inches tall, and all letters and the symbol shall be a color that sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.
Pesticide Storage: Store in tightly closed original container in a cool place away from dwellings. Do not allow contamination of seeds, plants, fertilizers, or other pesticide chemicals.
Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.
Because Telone EC is corrosive under certain conditions, flush all application equipment with fuel oil, kerosene or a similar type of petroleum solvent immediately after use. Fill pumps and meters with new motor oil or a 50% motor oil/fuel oil mixture before storing. **Do not use water.** Dispose of rinsate by applicable Federal, state and local regulations. Never introduce rinsate or unused Telone EC into surface or underground water supplies.

Refillable containers 5 gallons or larger:
Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable containers 5 gallons or larger:
Container Handling: Nonrefillable container. Do not reuse or refill this container.
Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one com[plete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

General Information

Telone® EC soil fumigant is a liquid fumigant for preplant treatment of cropland soil that can be used as part of a management program involving rotation, resistant varieties, and other cultural practices designed to alleviate nematode and disease pressure.

Telone EC may be applied as a preplant soil treatment to control the following types of plant parasitic nematodes: burrowing, citrus, cyst (golden, sugarbeet, soybean, carrot and wheat), dagger, lance, pin, needle, reniform, ring, root knot, root lesion, spiral, sting and stubby root.

Telone EC can also be used to suppress *Fusarium* wilt of cotton.

Telone EC may be applied through buried drip (drip lines buried at least 6 inches below soil surface) irrigation equipment without a secured tarp seal or surface and/or buried drip irrigation equipment with a secured tarp seal. **In the state of California,** the use of a tarp seal is mandatory for all applications of this product.

Before fumigation, soil sampling for the type and number of pests present is recommended. In fields where pre-treatment soil samples indicate the presence of high population levels of nematodes, a successful fumigation cannot be expected to eradicate entire populations. Therefore, post-treatment sampling is recommended to determine the need for additional pest management practices.

Consult State Agricultural Experiment Station or Extension Service specialists for information on other practices such as post-harvest destruction of crop residues, weed control or other cultural practices, and use of nematode resistant crop varieties that may aid in reducing crop losses from soil borne pests.

General Use Precautions

Soil fumigation using Telone EC should be conducted only according to directions and conditions of use described in this label.

Not for use in greenhouses or other enclosed areas.

Do not formulate and/or tank mix this product into other end-use agricultural products.

Soil must be in good seed bed condition, free of clods and undecomposed plant material.

Recontamination prevention: Telone EC will control pests that are present in the soil treatment zone at time of fumigation. It will not control pests that are introduced into soil after fumigation. To avoid reinfestation of treated soil, do not use irrigation water, transplants, or equipment that could carry soil borne pests from infested land. Avoid contamination from moving infested soil onto treated beds through cultivation, movement of soil from below the treated zone, dumping contaminated tare soil in treated fields and soil contamination from equipment or crop remains. Clean equipment carefully before entering treated fields.

Do not use containers, pumps or other transfer equipment made of aluminum, magnesium or their alloys, as under certain conditions Telone EC may be severely corrosive to such metals.

Fertility Interactions: Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when high rates of fertilizer and fumigant are applied to soils that are either cold, wet, acidic, or high in organic matter. To avoid crop injury, fertilize when possible as indicated by soil tests made after fumigation. To avoid ammonia injury or nitrate starvation (or both) to crops grown on high organic soils, do not use fertilizers containing ammonium salts. Use only fertilizers containing nitrates until after the crop is well established and the soil temperature is above 65°F.

Do not apply within 100 feet of any well used for potable water. Do not apply this product within 100 feet from the edge of karst topographical features. Karst topography is identified from landscape features that result from the dissolving activity of water in carbonate rock formations (limestone, dolomite and marble). Surface features that are associated with karst topography include sinkholes, caverns, springs, and sinking or disappearing streams. In North Dakota, South Dakota, Wisconsin, Minnesota, New York, Maine, New Hampshire, Vermont, Massachusetts, Utah, and Montana: Where groundwater aquifers exist at a depth of 50 feet or less from the surface, do not apply this product where soils are Hydrologic Group A.

Use Restrictions for Certain Florida Counties: For application of this product in Brevard, Charlotte, Citrus, Collier, DeSoto, Glades, Hardee, Hendry, Hernando, Highlands, Hillsborough, Indian River, Lake, Lee, Manatee, Martin, Monroe, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Sarasota, Seminole, St. Lucie, Sumter, and Volusia counties, applicators must have in their possession FIFRA Section 24(c) Special Local Need (SLN) FL-010008 and comply with stated requirements. Use of Telone EC is prohibited in Broward and Dade counties.

Application Directions

Buffer Zone: An application of Telone EC shall not be made within 100 feet of an occupied structure, such as a school, hospital, business or residence. No person shall be present at this structure at any time during the seven consecutive day period following application. **This buffer zone does not apply to use on soils that will not experience an additional 1,3-D treatment for at least three years, for example, on soils to be planted with perennial crops.**

Drip Application: Apply Telone EC as a preplant application through buried drip (drip lines buried at least 6 inches below soil surface) irrigation equipment without a secured tarp seal or surface and/or buried drip irrigation systems with a tarped seal. **In the state of California,** a secured tarp seal is required for all applications. For optimum control when using a tarp, the tarp seal must remain in place for a minimum of 14 days.

Planting Interval: Leave the soil undisturbed and unplanted for at least 14 days after applying Telone EC. A longer undisturbed interval is required under cold or wet soil conditions.

After fumigation, to prevent phytotoxicity, allow the fumigant to dissipate completely before planting the crop. Under optimum soil conditions for dissipation, 1 week for each 10 gallons per acre is recommended with a minimum interval of 14 days following application. Dissipation is usually complete when Telone EC can no longer be detected at the application depth. Seed or transplants to be grown may be used as a bioassay to determine if Telone EC is present in the soil at concentrations sufficient to cause plant injury. Do not plant if the odor of Telone EC is detected.

Frequency/Timing of Application: Apply any time of the year when soil temperatures are between 40°F and 80°F at the depth of application.

Preharvest Interval: Not applicable.

Compatible Materials: The following materials are recommended for use in drip systems where applications of Telone EC are to be made:

- Copper, stainless steel, stainless steel braided hose, steel, brass, Kynar, Kalrez, Chemraz, Santoprene, Hasteloy, Monel, polypropylene, polyethylene, nylon, Teflon, rigid PVC and viton (F/G best).
- Rigid PVC should not be exposed to undiluted Telone EC or more than 1500 ppm of Telone EC in the diluted form.

The following materials are **not** recommended for use with Telone EC and/or drip systems where Telone EC is to be applied:

- Do not use containers, pumps, drip tube or other transfer or drip equipment made of aluminum, magnesium, zinc (including galvanized), cadmium, tin and alloys, or vinyl under certain conditions Telone EC may be severely corrosive to such metals.
- Buna-N, neoprene and fiberglass have the potential to disintegrate and should not be used in a system where Telone EC is to be applied.

Drip Irrigation Design:

- A drip irrigation specialist should be consulted on the design of a drip system to insure irrigation and fumigant application uniformity.
- A drip irrigation specialist should be consulted in the selection of a proper drip tape based upon the water needs of the crop to be grown with the understanding that the tape will also be used for drip fumigation. Selection of the proper emitter spacing, flow rate, and number of tapes per bed is important in obtaining a quality drip fumigant application.
- Drip emitters should be spaced 12 to 24 inches apart on the drip lines.
- It is important to note that drip tape installed on top of the soil surface has the potential to kink, twist and snake when water is introduced. This could result in tape damage and a lack of irrigation and fumigation uniformity.
- Planting must occur within the treated area.

Drip Fumigation Procedures:

Step 1, Pre-Irrigation:

- To obtain more uniform water movement, insure quality fumigant distribution and to test for leaks, a pre-irrigation prior to the planned drip fumigation application is recommended.
- During pre-irrigation, use sufficient water to increase soil moisture throughout the treatment zone to near or at field capacity. This should occur over a 7- to 10-day period prior to application in order to stimulate nematode hatch and activity.
- Allow the soil moisture to return to below field capacity before making the drip fumigant application.
- The pre-irrigation may enhance coverage in very sandy soils, very dry soils, or in soil with deep buried tape (5 inches in depth or greater).

Step 2, Drip Fumigant Application:

- Apply appropriate rate (see Table 1) of Telone EC in enough water so that soil moisture throughout the treatment zone, including near the soil surface, is again at or near field capacity.
- The concentration of Telone EC must be between 500 and 1500 ppm in the drip irrigation lines.
- Do not exceed a concentration of 1500 ppm of Telone EC.
- Water flow and chemical flow rates must be known in order to calculate the correct ppm.
- Telone EC must be metered into the water supply and pass through a mixing device (centrifugal pump or static mixer) to assure proper agitation before it is distributed into the drip irrigation line system.
- Calculating the correct flow rate of Telone EC is important in achieving the correct dose rate to control the targeted pest. Calibration of the chemical flow and water meters is recommended. A chemical flow totalizer and/or scale are recommended to validate the chemical flow.
- Fumigant injections made within 50 feet of the first “T” and/or under conditions of low velocity water flow (less than 2 feet per second) must pass through a mixing device (such as a centrifugal pump or static mixer, coarse filter or fine strainer) to assure proper agitation.
- A separate mixing device is not needed if the chemical injection point is at least 50 feet in front of the first “T” junction point and significant turbulent flow is present to insure mixing.
- For low velocity (laminar) flows, more distance or a mixing device is needed to insure thorough mixing of the fumigant and water before it reaches the site to be treated.
- The minimum turbulent flow that is required for adequate mixing and to prevent damage to PVC pipe is 2 feet per second.
- Do not allow treatment solution to puddle on the soil surface. If ponding, puddling or run-off occurs, then discontinue application immediately and cover with soil to absorb.

Step 3, Post Application:

- After application of Telone EC, continue to irrigate the area with sufficient untreated water to flush the mixture from the irrigation system.
- Do not allow Telone EC to remain in the irrigation system.
- Make sure that any PVC dead ends or low spots are flushed completely.
- Leave the soil undisturbed for at least 14 days. Then proceed with normal crop management activities.
- Do not plant if Telone EC is detected.

Special Use Precautions for Chemigation Application Equipment

- Apply this product only through surface and buried tape drip irrigation systems. Do not apply this product through any other type of irrigation system.
- Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.
- If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- Only a person knowledgeable of the chemigation system and responsible for its operation, or a person under the supervision of the responsible person, shall operate the system and make necessary adjustments should the need arise.
- The system must contain a functional check valve, vacuum relief valve and low pressure drain or approved backflow prevention valve appropriately located on the irrigation pipeline to prevent backflow contamination of the water source.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the chemical supply or injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, automatic valve located on the intake side of the injection pump and connected to the system interlock to prevent fumigant from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The valve must be compatible with the fumigant.
- The system must contain a functional inter-lock to automatically shut off the pesticide injection pump if used when the water pressure drops too low for acceptable irrigation uniformity or the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- A hydraulic interlock valve operated by irrigation water pressure may be used in lieu of a functional pressure switch and/or an automatic functional inter-lock.
- Injection systems must use a metering system, such as a positive displacement injection pump or diaphragm pump, or venturi system, and/or a pressure-safe cylinder containing Telone EC equipped with a metering valve and flow meter. This equipment must be constructed of materials that are compatible with Telone EC and capable of being fitted with a system interlock.
- Telone EC should be injected into the center of the irrigation water stream by using a suitable dip tube. This will prevent damage from undiluted fumigant contacting PVC pipe at the point of injection.

Uses

Control of Nematodes

Use Telone EC for control of nematodes in soils to be planted to vegetable crops, field crops, fruit and nut crops, and nursery crops. Refer to Table 1 for application rates.

- Dilution rate as applied: 500 to 1500 ppm of Telone EC.
- 1500 ppm 1,3-D is equivalent to 1 gallon of Telone EC in 740 gallons of water.

Table 1. Application Rates for Control of Nematodes

Crop	Soil Type (2)	Broadcast Application Rates (1) (Gallons/Acre)
field crops vegetable crops (3)	mineral	9 – 18 (4, 5)
fruit and nut crops nursery crops	mineral	9 – 24

[1] Rates given are broadcast equivalent.
[2] Not intended for use on muck or peat soils.
[3] Potatoes: Before fumigation, soil sampling for the type and number of pests present is recommended and can help to determine the need for additional treatment with a contact nematicide. Preharvest tuber sampling for nematodes also is recommended. If the nematode population is high enough to damage the crop, potatoes can be harvested early. Do not store potatoes with a detectable nematode infestation.
[4] For cyst-forming nematodes, use 18 gallons per acre of bedded row.
[5] For use in a second crop culture or when nematode pressure is a concern, the upper end of the rate range is recommended.

Control of Plant Diseases

***Fusarium* Wilt of Cotton**: The effects of this disease can be suppressed by controlling the root knot nematodes associated with this disease/ nematode complex. Use Telone EC at the rate of 12 gallons per acre.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

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Produced for
Dow AgroSciences LLC
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Replaces Label: D02-017-015
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EPA accepted 11/16/10

Revisions:

1. Added buried drip without a secured tarp seal directions.