

62719-348

2/6/2006

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

FEB 6 2006

Mr. Bruce Houtman  
Dow AgroSciences, LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

Subject: InLine  
EPA Reg. No. 62719-348  
Your Amendment dated March 28, 2003  
Decision Number: 215887

Dear Mr. Houtman:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

- 1) Revise the karst geology restriction statement to read, "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".
- 2) Page 25: under the "Limitation of Remedies" section, revise the sentence to read, "To the extent allowed by state law, Dow AgroSciences shall not be liable for losses or damages resulting from....."
- 3) The supplemental labeling accepted on June 19, 2003 must be incorporated into the main label within 18 months or at your next label printing, whichever comes first. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).
- 4) Submit one copy of the final printed label before the product is release for shipment.

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

One copy of the label stamped "Accepted with comments" is enclosed for your records. Additionally, a copy of the Environmental Fate and Effects Division's memo dated December 22, 2005 (Decision # 49768; DP Barcode; D323168) is enclosed. As noted in the EFED review, it is suggested that Dow AgroSciences consider conducting groundwater monitoring studies in a representative number of new Telone use areas in Florida to ensure that Telone contaminated storm water does not potentially contaminate karst aquifers.

If you have any questions, please contact Tamue L. Gibson by phone at (703) 305-9096 or via email at [gibson.tamue@epa.gov](mailto:gibson.tamue@epa.gov).

Sincerely,



Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

3818

Q1A / InLine / Amend / 10-18-05

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Page 1

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

62719-348

(Base 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.

(logo) Dow AgroSciences

# InLine®

## Soil Fungicide and Nematicide

A multi-purpose liquid fumigant for the preplant treatment of soil to control nematodes and symphylans and to manage certain soil borne diseases in cropland using drip irrigation systems only.

### Active Ingredients:

1,3-dichloropropene .....	60.8%
chloropicrin .....	33.3%
Inert Ingredients .....	5.9%
Total .....	100.0%

One gallon of InLine weighs about 11.2 lb and contains 6.57 lb of 1,3-dichloropropene and 3.73 lb of chloropicrin.

Keep Out of Reach of Children

**DANGER**  **POISON**

[Editors note: the word POISON must appear in red]

## PELIGRO

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.)

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### Precautionary Statements

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#### Hazards to Humans and Domestic Animals

##### Hazardous Liquid and Vapor

Corrosive To Eyes And Skin • Causes Irreversible Eye Damage • Causes Skin Burns • Fatal If Swallowed, Inhaled Or Absorbed Through The Skin • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals • Prolonged Contact May Cause Lung, Liver, And Kidney Damage And Respiratory System Irritation

Do not get in eyes, on skin, or on clothing. Do not take internally. Do not breathe vapor.

- 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, and by wearing the personal protective equipment specified in this labeling.

- This product also contains chloropicrin, a strong lachrymator (tear-producing eye irritant), which has the capacity to cause marked irritation to the upper respiratory tract. Low concentrations are capable of causing painful eye irritation. The effect may be so powerful that a person may become temporarily blinded and panic-stricken. That, in turn, may lead to accidents.

#### Air Concentration Level

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (0.7 mg/M<sup>3</sup>). If the air concentration level exceeds 0.1 ppm, an air-purifying respirator must be worn. If the air concentration level exceeds 4 ppm, an air-supplied respirator must be worn. The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa, Draeger, or Sensidyne.

#### 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 knot 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 including plastic or tarp

**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 and the "Telone Soil Fumigants - A Guide to Application" manual section on Storage Tanks.

### Engineering Controls

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

1. All hoses, piping, and tanks used in connection with InLine shall be of the type appropriate for use under the pressure and vacuum conditions to be encountered.
2. External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
3. The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
4. Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of InLine product 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.

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5. The pressure in hoses used to move InLine 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. Full-face respirators must be worn.
  - b. Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
  - c. Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner.
  - d. Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
  - e. 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. **Never fumigate alone:** It is imperative to always have an assistant and proper protective equipment in case of accidents.
3. **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.
4. **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.
5. **Contact with Mouth:** Never siphon this product by mouth or use mouth to blow out clogged lines, nozzles, etc.
6. **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

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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. Do not apply within 100 feet of any well used for potable water. Do not apply this product within 100 feet 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.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

**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 label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.

**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. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

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

EPA Reg. No. 62719-348

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC  
Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Net Contents \_\_ gal

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(Label booklet cover):

**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.

(logo) Dow AgroSciences

**InLine®**

**Soil Fungicide and Nematicide**

**A multi-purpose liquid fumigant for the preplant treatment of soil to control nematodes and symphyllans and to manage certain soil borne diseases in cropland using drip irrigation systems only.**

Active Ingredients:

1,3-dichloropropene .....	60.8%
chloropicrin .....	33.3%
Inert ingredients .....	5.9%
Total .....	100.0%

One gallon of InLine weighs about 11.2 lb and contains 6.57 lb of 1,3-dichloropropene and 3.73 lb of chloropicrin.

**Keep Out of Reach of Children**

**DANGER**



**POISON**

[Editors note: the word POISON must appear in red]

**PELIGRO**

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.)

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

EPA Reg. No. 62719-348

EPA Est. \_\_\_\_\_

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Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Net Contents \_\_\_ gal

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**Precautionary Statements**

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**Hazards to Humans and Domestic Animals****DANGER****Hazardous Liquid and Vapor**

**Corrosive To Eyes And Skin • Causes Irreversible Eye Damage • Causes Skin Burns • Fatal If Swallowed, Inhaled Or Absorbed Through The Skin • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals • Prolonged Contact May Cause Lung, Liver, And Kidney Damage And Respiratory System Irritation**

Do not get in eyes, on skin, or on clothing. Do not take internally. Do not breathe vapor.

- 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, and by wearing the personal protective equipment specified in this labeling.
- This product also contains chloropicrin, a strong lachrymator (tear-producing eye irritant), which has the capacity to cause marked irritation to the upper respiratory tract. Low concentrations are capable of causing painful eye irritation. The effect may be so powerful that a person may become temporarily blinded and panic-stricken. That, in turn, may lead to accidents.

**Air Concentration Level**

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (0.7 mg/M<sup>3</sup>). If the air concentration level exceeds 0.1 ppm, an air-purifying respirator must be worn. If the air concentration level exceeds 4 ppm, an air-supplied respirator must be worn. The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa, Draeger, or Sensidyne.

**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 knot 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

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(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 including plastic or tarp

**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.

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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 and the "Telone Soil Fumigants - A Guide to Application" manual section on Storage Tanks.

### Engineering Controls

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

1. All hoses, piping, and tanks used in connection with InLine shall be of the type appropriate for use under the pressure and vacuum conditions to be encountered.
2. External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
3. The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
4. Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of InLine product 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.
5. The pressure in hoses used to move InLine 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. Full-face respirators must be worn.
  - b. Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
  - c. Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner.
  - d. Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
  - e. 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. **Never fumigate alone:** It is imperative to always have an assistant and proper protective equipment in case of accidents.
3. **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.
4. **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.
5. **Contact with Mouth:** Never siphon this product by mouth or use mouth to blow out clogged lines, nozzles, etc.
6. **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.

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- 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. Do not apply within 100 feet of any well used for potable water. Do not apply this product within 100 feet 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.

**Physical or Chemical Hazards**

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 and Posting:**

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) "InLine 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 sign 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 1/2 inches 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. Do not contaminate food, feedstuffs, drugs, or domestic water supplies.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide and rinsates 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 InLine 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

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applicable Federal, state and local regulations. Never introduce rinsate or unused InLine into surface or underground water supplies.

**Refillable Containers:** Follow cleaning and handling directions in the "Telone Soil Fumigants - A Guide to Application" manual.

### General Information

InLine® soil fungicide and nematicide is a multi-purpose 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.

InLine may be applied as a preplant soil treatment as part of a management program for certain **soil borne diseases** [soil rot (soil pox) of sweet potatoes; Granville (bacterial) wilt, black root rot, black shank diseases of tobacco; Verticillium wilt of strawberries, cole crops and mint, pink root of onions, pod rot of peanuts, Fusarium crown and root rot of tomatoes. This is not a complete list of crops and soil borne diseases. Consult your crop advisor for recommendations on specific soil borne diseases.]; **plant parasitic nematodes** [root-knot, root lesion, citrus, cyst formers (golden, sugar beet, soybean), burrowing, lance, reniform, ring, spiral, sting, pin, stubby root, dagger and certain others]; **symphylians** (garden centipedes) and **wireworms**.

InLine may be applied through surface or buried drip tape. 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 InLine should be conducted only according to directions and conditions of use described in this label.

**Do not formulate this product into other end-use products.**

**Recontamination prevention:** InLine 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 InLine 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 heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, 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.

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**Use Restrictions for Certain Florida Counties:** For application of this product in Brevard, Broward, Charlotte, Citrus, Collier, Dade, 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) FL010009 and comply with stated requirements.

### Application Directions

**Drip Application:** Apply InLine as a preplant application through surface or buried drip irrigation systems. A secured tarp seal is required for all applications. As a minimum, the tarp seal must remain in place for 14 days.

**Planting Interval:** Leave the soil undisturbed and unplanted for at least 14 days after application of the fumigant. 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/acre is recommended with a minimum interval of 14 days following application. Seed may be used as a bioassay to determine if InLine is present in the soil at concentrations sufficient to cause plant injury. Do not plant if the odor of InLine is present.

**Buffer Zone:** An application of InLine 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.**

**Tank Mixing:** Do not mix InLine with other agricultural products.

**Preharvest Interval:** Not applicable.

### Other Requirements

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

Use drip irrigation components made only of copper, stainless steel, steel, polypropylene, polyethylene, nylon, Teflon, rigid PVC, EPDM and Viton. Rigid PVC should not be exposed to undiluted InLine or more than 1500 ppm InLine in the diluted form. Do not use drip tube materials made of aluminum, magnesium, zinc, cadmium, tin and alloys, or vinyl.

Drip emitters should be spaced evenly apart and close enough to wet the entire bed. Planting should occur within the treated area.

**Step 1:** Moderate pre-irrigation may enhance coverage in very sandy soils, very dry conditions, or in soils with deep buried drip tape. Except under these conditions, pre-irrigation is not recommended.

**Step 2:** Apply appropriate rate (see Table 1) of InLine in enough water so that the soil moisture throughout the treatment zone, including near the soil surface, is at or near field capacity. The concentration of InLine must be between 500 and 1500 parts per million in the drip irrigation lines. Do not exceed a concentration of 1500 parts per million of InLine. InLine must be metered into the water supply and should pass through a mixing device (such as a centrifugal pump or static mixer, coarse filter or fine strainer) to assure proper agitation before it is distributed into the drip irrigation line system. 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. For low velocity (laminar) flows, more distance or a mixing device is needed to thoroughly mix the



fumigant. Do not allow treatment solution to accumulate on the soil surface. If ponding, puddling or run-off occurs, then 1) discontinue application immediately, and 2) cover with soil to absorb.

**Step 3:** After application of InLine, continue to irrigate the area with sufficient untreated water to flush the mixture from the irrigation system. Make sure any rigid PVC dead end or low spots are drained or flushed completely. Do not allow InLine to remain in the irrigation system. Leave the soil undisturbed for at least 14 days. Then proceed with normal crop management activities.

**Special Use Precautions for Chemigation Application Equipment**

1. Apply this product only through surface and buried tape drip irrigation systems. Do not apply this product through any other type of irrigation system.
2. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.
3. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
4. 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.
5. Do not apply this product through any other type of irrigation system except as described in this labeling.
6. 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.
7. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent back-flow contamination of the water source.
8. 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.
9. 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 fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
10. The system must contain a functional inter-lock to automatically shut off the pesticide injection pump when the water pump motor stops.
11. 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.
12. Injection systems must use a metering pump, such as a positive displacement injection pump or diaphragm pump, venturi system, or a pressure-safe cylinder containing InLine equipped with a metering valve and flow meter. This equipment must be constructed of materials that are compatible with InLine and capable of being fitted with a system interlock.
13. InLine 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**

InLine is recommended for the control of nematodes, symphylans and wireworms in soils to be planted to vegetable crops, field crops and fruit crops. Refer to Table 1 for broadcast-equivalent application rates. Based on the width of the area to be treated, reduce the broadcast rates proportionately.

- Dilution rate as applied: 500 to 1500 ppm of InLine.
- 1500 ppm of 1,3-D is equivalent to 1 gallon of InLine in 525 gallons of water.

**Table 1. Broadcast Equivalent Rates and Use Information for Nematodes, Symphylans †, Wireworms † and Certain Soil-Borne Diseases in Listed Soils and Crops.**

Crop	Soil Type	Broadcast Application Rates (1) (Gallons/Acre)
field crops vegetable crops	mineral	13 - 20.5 (2)
strawberries pineapples	mineral	29 - 38.4 29 - 56

<sup>1</sup> Rates given are broadcast equivalent. Based on the width of the area to be treated, reduce the broadcast rates proportionately. Not intended for use on muck or peat soils.

<sup>2</sup> For cyst-forming nematodes increase dosage to 26 gallons/acre.

<sup>†</sup> **Note:** To control symphylans (garden centipedes) apply at 15.5 gallons or more per acre, and apply during late summer or early fall when the soil is warm. To suppress wireworms, use dosages recommended for nematodes.

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**Terms and Conditions of Use**

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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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**Warranty Disclaimer**

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Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences **MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

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**Inherent Risks of Use**

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

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**Limitation of Remedies**

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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