

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 25, 2017

Jim Baxter Regulatory Leader Dow AgroSciences LLC 9330 Zionville Road Indianapolis, IN 46268

Subject: Label Amendment – "For Application in California only" restrictions including

reference to CAL DPR website for buffer zone requirements

Product Name: Telone C-35

EPA Registration Number: 62719-302

Application Date: May 15, 2017 Decision Number: 530366

Dear Mr. Baxter:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Fatima Sow by phone at (703) 347-8308, or via email at sow.fatima@epa.gov.

Sincerely,

Hope Johnson, Product Manager 21 Fungicide Branch Registration Division (7505P) Office of Pesticide Programs

Enclosure

ACCEPTED

Jul 25, 2017
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the

62719-302

pesticide registered under

EPA Reg. No.

(Base label):

RESTRICTED USE PESTICIDE

Due to acute toxicity and carcinogenicity.

For retail sale to and use by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

Telone® C-35

Soil Fungicide and Nematicide

A multi-purpose liquid fumigant for preplant treatment of soil to control plant parasitic nematodes, symphylans and to help manage certain soil borne diseases in cropland.

Not for use in greenhouses or other enclosed areas and not for use in drip or other chemigation applications.

Active Ingredients:

1,3-dichloropropene	63.4%
chloropicrin	34.7%
Other Ingredients	1.9%
Total	

This product weighs 11.2 lbs./gal. @ 68°F (20°C). Contains 7.10 lb of 1,3-dichloropropene and 3.89 lb of chloropicrin per gallon.

Keep Out of Reach of Children





[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.)

First Aid

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably 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 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.

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.

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. Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress and vomiting. Pulmonary edema may develop later. Treatment is symptomatic.

Precautionary Statements

Hazards to Humans and Domestic Animals

Hazardous Liquid and Vapor

DANGER

- 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, and by wearing the personal protective equipment specified in this labeling.
- Fatal if inhaled or swallowed. Poisonous liquid and vapor. Corrosive. Liquid causes skin burns and irreversible eye damage. Do not breathe vapor or gas. Do not get in eyes, on skin or on clothing. Chloropicrin is readily identifiable by smell. Exposures to very low concentrations of vapor will cause irritation of eyes, nose and throat. Continued exposure after irritation occurs, or exposure to higher concentration may cause painful irritation or temporary blindness.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. For more options, follow the instructions for Category H on the 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 as the sole article of protection when contact with this product is possible. Where coveralls are required, they 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.

When performing tasks with NO potential for contact with liquid fumigant, all handlers (including applicators) must wear:

- · Long-sleeved shirt and long pants, and
- · Shoes and socks

When performing tasks with potential for contact with liquid fumigant, all handlers (including applicators) must wear:

- · Long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant apron,
- Protective eyewear (do NOT wear goggles), and
- Chemical-resistant footwear with socks.

The PPE required when handling liquid fumigant must be immediately available and must be worn if the handler is to perform any handling activity with a potential for liquid fumigant contact.

All handlers (including applicators) must wear a half-face air-purifying respirator (except when handlers
are in enclosed cabs or applying the fumigant with equipment that disrupts the chisel trace and seals
the soil at the same time e.g., Yetter applicator) equipped with an organic-vapor (OV, NIOSH approval
number prefix TC-23C) cartridge and a particulate pre-filter (Type N, R, P or HE, NIOSH approval
number prefix TC-84A)

If sensory irritation (tearing, burning of the eyes or nose) is experienced and handlers remain in the application block or buffer zone, handlers must wear at a minimum either:

- A NIOSH certified full facepiece air-purifying respirator equipped with an organic vapor (OV, NIOSH approval number prefix TC-23C) cartridge and a particulate a pre-filter (Type N, R, P, or HE, NIOSH approval number prefix TC-84A), or
- A gas mask with a canister approved for organic vapor (NIOSH approval number prefix TC-14G).

See Directions for Use, Air Monitoring Requirements, Respiratory Protection and Stop Work Triggers, number 1, *Handlers Wearing Half-Face Air Purifying Respirators* for when an air-purifying respirator (full facepiece or gas mask) is required.

IMPORTANT: A self-contained breathing apparatus (SCBA) is not permitted for routine handler tasks. If responding to an emergency when corrective action is needed to reduce air concentrations to acceptable levels, wear an SCBA. Escape-only SCBA respirators must not be used by handlers for responding to emergencies. In addition wear PPE required for potential contact with liquid fumigant.

- 2. Handlers using enclosed cabs are not required to wear respiratory protection (not applicable in California) provided that the cab has been maintained according to the manufacturer's written operating instructions and there is written documentation that the ventilation system has been maintained according to the manufacturer's instructions and the enclosed cab is in conformance with the following requirements:
 - The enclosed cab must maintain a positive pressure of 6 mm H₂O.
 - The enclosed cab must have a minimum air intake flow of 43 m³/hour.
 - The enclosed cab must be equipped with activated charcoal filter media containing no less than 1000 grams of activated charcoal.
 - Tthe filter must be changed after no more than 50 hours of application time.

See Directions for Use, Air Monitoring Requirements, Respiratory Protection and Stop Work Triggers, number 2, *Handlers in Enclosed Cabs (Not Applicable in California)* for stop work procedures.

3. Handlers applying the fumigant with equipment that disrupts the chisel trace and seals the soil with one implement, e.g., a Yetter applicator (not applicable in California) are not required to wear respiratory protection unless sensory irritation is experienced.

If sensory irritation (tearing, burning of the eyes or nose) is experienced and handlers remain in the application block or buffer zone, handlers must wear at a minimum either:

- A NIOSH certified full facepiece air-purifying respirator equipped with an organic vapor (OV, NIOSH approval prefix TC-23C) cartridge and a particulate pre-filter (Type N, R, P, or HE, NIOSH approval number prefix TC-84A), or
- A gas mask with a canister approved for organic vapor (NIOSH approval number prefix TC-14G).

See Directions for Use, Air Monitoring Requirements, Respiratory Protection and Stop Work Triggers, number 3, Handlers Applying the Fumigant with Equipment that Disrupts the Chisel Trace and Seals the Soil with One Implement, e.g., a Yetter Applicator (not applicable in California), for when respiratory protection is required.

- 4. Handlers exposed to greater than 1.5 ppm of chloropicrin (e.g., an emergency when corrective action is needed to reduce air concentrations to acceptable levels), and handlers exposed to this product in poorly ventilated areas, must wear at a minimum:
 - · Chemical-resistant suit.
 - Chemical-resistant gloves, such as barier laminate (EVAL) or viton,
 - · Chemical-resistant footwear with socks, and
 - · Chemical-resistant headgear.
 - A self-contained breathing apparatus (SCBA) with NIOSH approval number prefix TC-13F. See further respirator requirements in the *Protection for Handlers* section on this label.

User Safety Requirements

- 1. **Never fumigate alone:** It is imperative to always have an assistant and proper protective equipment in case of accidents.
- 2. **Driver's Responsibilities:** Drivers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must instruct their helpers in the mechanical operation of the tractor and how to safely work with the tractor and driver while fumigating.
- 3. **Dispose of Contaminated Clothing:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.
- **4. Clean and Maintain PPE:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- **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/PPE 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.

Environmental Hazards

This pesticide is toxic to mammals and birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

- Chloropicrin has certain properties and characteristics in common with chemicals that have been detected in groundwater (chloropicrin is highly soluble in water and has low adsorption to soil).
- For untarped applications of chloropicrin, leaching and runoff may occur if there is heavy rainfall after soil fumigation.

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. Incompatible with oxidizing agents.

Directions for Use Restricted Use Pesticide

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

See label booklet for complete Directions for Use.

Agricultural Use Requirements

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

(Storage and Disposal for refillable rigid containers larger than 5 gal)

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store in tightly-closed original container away from dwellings. Prolonged exposure of container to direct sunlight must be avoided. Do not allow contamination of seeds, plants, fertilizers, or other pesticide chemicals.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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.

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 or a mix tank. 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.

(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.

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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 or a mix tank. 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 complete 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 a mix tank 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 or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank 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.

Refer to label booklet for 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.

EPA Reg. No. 62719-302

EPA Est. _____

[®]Trademark of Dow AgroSciences LLC Produced for Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268

Net Contents ____ lbs

(Cover, shipping container):

RESTRICTED USE PESTICIDE

Due to acute toxicity and carcinogenicity.

For retail sale to and use by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

Telone® C-35

Soil Fungicide and Nematicide

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Keep Out of Reach of Children



[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.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the 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.

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Net Contents ____ lbs

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.	
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If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably 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 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.

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.

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. Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress and vomiting. Pulmonary edema may develop later. Treatment is symptomatic.

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 the personal protective equipment specified in this labeling.
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- · Long-sleeved shirt and long pants, and
- · Shoes and socks

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- · Long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant apron,
- Protective eyewear (do NOT wear goggles), and
- Chemical-resistant footwear with socks.

The PPE required when handling liquid fumigant must be immediately available and must be worn if the handler is to perform any handling activity with a potential for liquid fumigant contact.

1. All handlers (including applicators) must wear a half-face air-purifying respirator (except when handlers are in enclosed cabs or applying the fumigant with equipment that disrupts the chisel trace and seals the soil at the same time e.g., Yetter applicator) equipped with an organic vapor (OV, NIOSH approval number prefix TC-23C) cartridge and a particulate pre-filter (Type N, R, P or HE, NIOSH approval number prefix TC-84A)

If sensory irritation (tearing, burning of the eyes or nose) is experienced and handlers remain in the application block or buffer zone, handlers must wear at a minimum either:

- A NIOSH certified full facepiece air-purifying respirator equipped with an organic vapor (OV, NIOSH approval number prefix TC-23C) cartridge and a particulate a prefilter (Type N, R, P, or HE, NIOSH approval number prefix TC-84A), or
- A gas mask with a canister approved for organic vapor (NIOSH approval number prefix TC-14G).

See Directions for Use, Air Monitoring Requirements, Respiratory Protection and Stop Work Triggers, number 1, *Handlers Wearing Half-Face Air Purifying Respirators* for when an air-purifying respirator (full facepiece or gas mask) is required.

IMPORTANT: A self-contained breathing apparatus (SCBA) is not permitted for routine handler tasks. If responding to an emergency when corrective action is needed to reduce air concentrations to acceptable levels, wear an SCBA. Escape-only SCBA respirators must not be used by handlers for responding to emergencies. In addition wear PPE required for potential contact with liquid fumigant.

- 2. Handlers using enclosed cabs are not required to wear respiratory protection (not applicable in California) provided that the cab has been maintained according to the manufacturer's written operating instructions and there is written documentation that the ventilation system has been maintained according to the manufacturer's instructions and the enclosed cab is in conformance with the following requirements:
 - The enclosed cab must maintain a positive pressure of 6 mm H₂O.
 - The enclosed cab must have a minimum air intake flow of 43 m³/hour.
 - The enclosed cab must be equipped with activated charcoal filter media containing no less than 1000 grams of activated charcoal.
 - The filter must be changed after no more than 50 hours of application time.

See Directions for Use, Air Monitoring Requirements, Respiratory Protection and Stop Work Triggers, number 2, *Handlers in Enclosed Cabs (Not Applicable in California)* for stop work procedures.

3. Handlers applying the fumigant with equipment that disrupts the chisel trace and seals the soil with one implement, e.g., a Yetter applicator (**not applicable in California**) are not required to wear respiratory protection unless sensory irritation is experienced.

If sensory irritation (tearing, burning of the eyes or nose) is experienced and handlers remain in the application block or buffer zone, handlers must wear at a minimum either:

- A NIOSH certified full facepiece air-purifying respirator equipped with an organic vapor (OV, NIOSH approval prefix TC-23C) cartridge and a particulate pre-filter (Type N, R, P, or HE, NIOSH approval number prefix TC-84A), or
- A gas mask with a canister approved for organic vapor (NIOSH approval number prefix TC-14G).

See Directions for Use, Air Monitoring Requirements, Respiratory Protection and Stop Work Triggers, number 3, Handlers Applying the Fumigant with Equipment that Disrupts the Chisel Trace and Seals the Soil With One Implement, e.g., a Yetter Applicator (not applicable in California), for when respiratory protection is required.

- 4. Handlers exposed to greater than 1.5 ppm of chloropicrin (e.g., an emergency when corrective action is needed to reduce air concentrations to acceptable levels), and handlers exposed to this product in poorly ventilated areas, must wear at a minimum:
 - · Chemical-resistant suit,
 - Chemical-resistant gloves, such as barier laminate (EVAL) or viton,
 - Chemical-resistant footwear with socks, and
 - · Chemical-resistant headgear.
 - A self-contained breathing apparatus (SCBA) with NIOSH approval number prefix TC-13F. See further respirator requirements in the *Protection for Handlers* section on this label.

User Safety Requirements

- 1. **Never fumigate alone:** It is imperative to always have an assistant and proper protective equipment in case of accidents.
- 2. **Driver's Responsibilities:** Drivers of application equipment must advise other workers of all precautions and procedures. In addition, drivers must instruct their helpers in the mechanical operation of the tractor and how to safely work with the tractor and driver while fumigating.
- **3. Dispose of Contaminated Clothing:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.
- **4.** Clean and Maintain PPE: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- **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/PPE 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.

Environmental Hazards

This pesticide is toxic to mammals and birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

- Chloropicrin has certain properties and characteristics in common with chemicals that have been detected in groundwater (chloropicrin is highly soluble in water and has low adsorption to soil).
- For untarped applications of chloropicrin, leaching and runoff may occur if there is heavy rainfall after soil fumigation.

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. Incompatible with oxidizing agents.

Directions for Use

Restricted Use Pesticide

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 handlers may be in the application block from the start of the application until the entry restricted period ends, and in the buffer zone during the buffer zone period. 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. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS). No instructions elsewhere on the labeling relieve users from complying with the requirements of WPS. For the entry restricted period and notification requirements, see the Entry Restricted Period and Notification section of this label.

PPE for Entry During the Restricted Period: PPE for entry that is permitted by this labeling is listed in the *Personal Protective Equipment (PPE)* section of this labeling.

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store in tightly-closed original container away from dwellings. Prolonged exposure of container to direct sunlight must be avoided. Do not allow contamination of seeds, plants, fertilizers, or other pesticide chemicals.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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.

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 or a mix tank. 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 or a mix tank. 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 complete 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 a mix tank 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 or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank 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.

Terms Used in This Labeling

Soil Fumigant Training Program: Certified applicator training that provides information on (1) how to correctly apply the fumigant, including how to comply with new label requirements; (2) how to protect handlers and bystanders; (3) how to determine buffer zone distances; (4) how to complete an FMP and the post-application summary; (5) how to determine when weather and other site-specific factors are not favorable for fumigant application; (6) how to comply with required GAPs and how to document compliance with GAPs in the FMP; and (7) how to develop and implement emergency response plans.

Fumigant Safe Handling Information: Information that must be provided annually to handlers that must include the following: (1) what fumigants are and how they work, (2) safe application and handling of soil fumigants, (3) air monitoring and respiratory protection requirements for handlers, (4) early signs and symptoms of exposure, (5) appropriate steps to take to mitigate exposures, (6) what to do in case of an emergency, and (7) how to report incidents.

Application Block: Area within the perimeter of the fumigated portion of a field (including furrows, irrigation ditches, roadways). The perimeter of the application block is the border that connects the outermost edges of total area treated with the fumigant product.

Application Rate: The ratio of fumigant mass applied compared to the soil surface area (e.g., pounds of product per acre). The application rate is expressed on this labeling in terms of either the "treated area application rate" or the "broadcast equivalent application rate." The "treated area application rate" relates to only the rate of fumigant applied to the portion of the field that is fumigated (e.g., rate within the bed or strips). The "broadcast equivalent application rate" relates to the rate of fumigant applied within the entire perimeter of the application block. For bedded and strip applications, the "broadcast equivalent application rate" must be calculated to determine the buffer zone distance required by this labeling.

Start of the Application: The time at which the fumigant is first delivered/dispensed into the soil in the application block.

Application is Complete: The time at which the fumigant has stopped being delivered/dispensed into the soil and the soil has been sealed; drip lines have been purged (if applicable).

Entry Restricted Period: This period begins at the start of the application and expires depending on the application method and if tarps are used when the tarps are perforated and removed. Entry into the application block during this period is only allowed for appropriately PPE-equipped handlers performing handling tasks. See the *Entry Restricted Period and Notification* section for additional information.

Buffer Zone: An area established around the perimeter of each application block. The buffer zone must extend outward from the edge of the application block perimeter equally in all directions.

Buffer Zone Period: Begins at the start of the application and lasts for a minimum of 48 hours after the application is complete. Non-handlers must be excluded from the buffer zone during the buffer zone period.

Difficult to Evacuate Sites: Pre-K to Grade 12 schools, state licensed daycare centers, nursing homes, assisted living facilities, hospitals, in-patient clinics, and prisons.

Owner: Any person who has a present possessory interest (fee, leasehold, rental, or other) in an agricultural establishment. A person who has both leased such agricultural establishment to another person and granted that same person the right and full authority to manage and govern the use of such agricultural establishment is not an owner. See definition of "owner" in WPS (40 CFR § 170.3).

Roadway: Portion of a street or highway improved, designed or ordinarily used for vehicular travel, exclusive of the sidewalk or shoulder even if such sidewalk or shoulder is used by persons riding bicycles. In the event a highway includes two or more separated roadways, the term *roadway* shall refer to any such roadway separately.

Representative Handling Task: For air monitoring, the locations and handler activities sampled must represent each handler's exposure occurring within the application block. For example, for an application consisting of a seven-handler crew (1 tractor driver, 1 tractor co-pilot, 4 shovelers, and 1 certified applicator supervising), two breathing zone samples could be collected: one sample for the tractor co-pilot and one sample for a downwind shoveler. Results of previous sampling may indicate which tasks and locations are worst case and therefore representative of all handlers.

Application Restrictions

The use of this product is restricted to the methods described in this label.

Soil furnigation using Telone C-35 must be conducted only according to directions and conditions of use.

Chemigation: Do not apply Telone C-35 through any type of irrigation system.

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

Not for use in greenhouses or other enclosed areas.

An application block treated with Telone C-35 must not be within 100 feet of an occupied structure. No person shall be present at this structure at any time during the seven consecutive day period after the application is complete. EXCEPTION: This restriction does not apply to use on soils that have not experienced a 1,3-dichloropropene treatment in the previous two years, for example, on soils to be planted with fruit trees, nut and nursery crops, perennial vines, hops, mint, or pineapple.

Telone C-35 shall not be applied to soil more frequently than once each year.

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.

For Applications in California Only:

Use the buffer zone distances specified by the California Department of Pesticide Regulation, which are found at the website listed below. Additional California Department of Pesticide Regulation requirements must also be followed including:

- Additional tarp requirements
- Application time restrictions
- Additional buffer zone restrictions for overlapping buffer zones and credits
- Additional emergency preparedness and response requirements

The certified applicator must follow all California buffer zone requirements and California restrictions that are specified at: www.cdpr.ca.gov/chloropicrin.htm.

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 labeling for FIFRA Section 24(c) Special Local Need (SLN) FL-990005 in their possession and comply with stated requirements. Use of Telone C-35 is prohibited in Broward and Dade counties.

Use Restrictions for Certain New York Counties

This product is prohibited from sale, use or distribution in Nassau and Suffolk counties.

Certified Applicator Training

Any certified applicator supervising a soil fumigant application must have successfully completed one of the soil fumigant training programs listed on the following EPA web site http://www.epa.gov/fumiganttraining for the active ingredient(s) in this product. The training must be completed in the time frames listed on the web site. The FMP must document the date and location where the soil fumigant training program was completed.

Product Information

Before using this product, carefully read and follow all label precautions and directions.

Telone C-35 is a multi-purpose liquid fumigant for preplant treatment of cropland soil that can be used as part of a nematode and disease management program involving crop rotation, planting resistant varieties, sanitation, and other cultural practices designed to reduce nematode and disease pressure.

Telone C-35 may be applied as a preplant soil treatment as part of a management program to aid in reducing the damaging effects of 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, and 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.

Telone C-35 may be applied as a preplant soil treatment as part of a management program to control and aid in reducing the damaging effects of certain soil pests; plant parasitic nematodes (root-knot, root lesion, citrus, cyst formers, golden, sugarbeet, soybean, burrowing, lance, reniform, ring, spiral, sting, pin, stubby root, dagger, and certain others), symphylans (garden centipedes) and wireworms.

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 (mid-season and/or preharvest) 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.

Use Precautions

Recontamination Prevention

Telone C-35 will help manage certain soil borne 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, seed pieces, 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 soil in treated fields and soil contamination from equipment or crop remains. Clean equipment carefully before entering treated fields. Cultural practices which provide post-harvest destruction of crop residues and weeds prior to fumigation and practices which prevent weed infestation following fumigation and prior to planting will help prevent recontamination.

Equipment Clean-Up

Because Telone C-35 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 incorporation into field just treated or by other approved means. Never introduce rinsate or unused Telone C-35 into surface or underground water supplies.

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 injury to certain crops including red beets, carrots, corn, radishes, cole crops, legumes (beans), lettuce, onions, and sugarbeets, 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.

When using high rates of Telone C-35 as required by certain state nursery regulations, liming of highly acid soils before fumigation may stimulate nitrification and reduce the possibility of ammonia toxicity. Certain nursery crops such as citrus seedlings, *Cornus* sp., *Crataegus* sp., spruce, and vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this possible effect, additional phosphate fertilizer (foliar applied) is recommended where experience indicates a deficiency may occur.

Handlers

The following activities are prohibited from being performed by anyone other than persons who have been appropriately trained and equipped as handlers in accordance with the requirements in WPS (40 CFR Part 170):

Monitoring fumigant air concentrations;

- Cleaning up fumigant spills (this does not include emergency personnel not associated with the application);
- Handling or disposing of fumigant containers;
- Cleaning, handling, adjusting, or repairing the parts of application equipment that may contain fumigant residues; and
- Performing any handling tasks as defined by the WPS(40 CFR Part 170).

The following activities are prohibited from being performed in the application block from the start of the application until the entry restricted period ends and in the buffer zone during the buffer zone period by anyone other than persons who have been appropriately trained and equipped as handlers in accordance with the requirements in WPS (40 CFR Part 170). (NOTE: Persons repairing and monitoring tarps are considered handlers for the duration listed below.) Prohibited activities (except for trained and equipped handlers) include:

- Participating in the application as supervisors, loaders, drivers, tractor co-pilots, shovelers, cross ditchers, or as other direct application participants;
- Installing, repairing, operating or removing irrigation equipment;
- Performing scouting, crop advising, or monitoring tasks;
- Installing, perforating (cutting, punching, slicing, poking), or removing tarps; and
- Repairing or monitoring tarps until 14 days after application is complete if tarps are not perforated and removed during those 14 days.

NOTE: See *Tarp Perforation and/or Removal* section on this labeling for requirements about when tarps are allowed to be perforated.

Handlers do not include local, state, or federal officials performing inspection, sampling, or other similar official duties.

Protection for Handlers

Supervision of Handlers

For all applications from the start of the application until the application is complete, a certified applicator must be at the application block in the line of site of the application and must directly supervise all persons performing handling activities.

For handling activities that take place after the application is complete until the entry restricted period expires, the certified applicator is not required to be on site but must have communicated in a manner that can be understood by the site owner and handlers responsible for carrying out those activities the information necessary to comply with the label and procedures described in the FMP (e.g., emergency response plans and procedures).

IMPORTANT: This requirement does not override the requirements in the Worker Protection Standard for Agricultural Pesticides for information exchange between operators of agricultural establishments and commercial pesticide applicators.

The certified applicator must provide **Fumigant Safe Handling Information** to each handler or confirm that within the past 12 months, each handler has received **Fumigant Safe Handling Information** in a manner that he/she can understand. **Fumigant Safe Handling Information** will be provided where this product is purchased or at http://www.epa.gov/fumiganttraining.

For all handling tasks at least two handlers must be present.

Exception: After the application is complete, only one trained handler is required to perform fumigant site monitoring tasks outside of the buffer zone.

Exclusion of Non-Handlers From the Application Block and Buffer Zone

The certified applicator supervising the application and the owner of the establishment where the application is taking place must make sure that all persons who are not trained and PPE-equipped and who are not performing one of the handling tasks as stated in this label are:

- excluded from the application block during the entry restricted period, and
- excluded from the buffer zone during the buffer zone period (see buffer zone exemption for transit on roadways in *Buffer Zone Requirements* section).

Local, state, or federal officials performing inspection, sampling, or other similar official duties are not excluded from the application block or the buffer zone by this labeling. The certified applicator supervising the application and the owner of the establishment where the application is taking place are not authorized to, or responsible for, excluding those officials from the application block or the buffer zone.

Providing, Cleaning, and Maintaining PPE

The employer of any handler (as stated in this label) must make sure that all handlers are provided and correctly wear the required PPE. The PPE must be cleaned and maintained as required by the Worker Protection Standard for Agricultural Pesticides.

Air-Purifying Respirator Availability

The employer of any handler must confirm that an air-purifying respirator and appropriate cartridges/canisters of the type specified in the *PPE* section of this labeling are immediately available for each handler who will wear one (see *Respirator Fit Testing Medical Qualification, and Training* section for additional requirements).

Exception: Air-purifying respirators do not need to be made available for handlers performing fumigant site monitoring tasks outside of the buffer zone.

Cartridges or canisters must be replaced when odor or sensory irritation from this product becomes apparent during use, if the measured concentration of chloropicrin is greater than or equal to 1.5 ppm, or after 8 hours of cumulative use, whichever occurs first.

Respirator Fit Testing, Medical Qualification and Training

Using a program that conforms to OSHA's requirements (see 29 CFR Part 1910.134), employers must verify that any handler who uses a respirator is:

- Fit tested and fit checked,
- · Trained, and
- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart condition) that would be problematic for respirator use. If concerns are identified, then additional evaluations, such as a physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status or respirator style or use conditions change.
- Upon request by local/state/federal/tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements.

Air Monitoring Requirements, Respiratory Protection, and Stop Work Triggers

Air Monitoring Requirements

- When air-purifying respirators (full facepiece or gas mask) are worn, air monitoring samples for chloropicrin must be collected at least every 2 hours in the breathing zone of a handler performing a representative handling task.
- When breathing zone samples are required, they must be taken outside respiratory protection equipment and within a 10-inch radius of the handler's nose and mouth.
- When using devices to monitor air concentration levels, a direct read detection device, such as an electronic device or a colorimetric device (e.g., Matheson-Kitagawa, Draëger, or Sensidyne) must be

used. The devices must have sensitivity of at least 0.15 ppm for chloropicrin. Persons using direct read detection devices must follow the manufacturer's directions.

1. Handlers Wearing Half-Face Air-Purifying Respirators

(Handlers are required to start work in half-face air-purifying respirators.)

The Air Monitoring Requirements section above must be followed.

- If at any time any handler experiences sensory irritation (tearing, burning of the eyes or nose) while wearing a half-face respirator_then either:
 - o (OPTION 1) An air-purifying respirator (full facepiece or gas mask) must be worn by all handlers who remain in the application block or surrounding buffer zone, or
 - o (OPTION 2) Operations must cease and handlers not wearing air-purifying respirators (full facepiece or gas mask) must leave the application block and surrounding buffer zone.

For OPTION 1 [all handlers are wearing air-purifying respirators (full facepiece or gas mask)]

- a) Handlers can **resume** operations wearing half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm, and
 - o Handlers do not experience sensory irritation.
 - During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handlers taking the air samples. Samples must be taken where the sensory irritation was first experienced.
- b) If at any time (1) a handler experiences sensory irritation when wearing an air-purifying respirator (full facepiece or gas mask), or (2) a chloropicrin air sample is greater than or equal to 1.5 ppm, then all handler activities must cease and handlers must be removed from the application block and surrounding buffer zone.
 - Handlers can **resume** operations wearing half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm,
 - Handlers do not experience sensory irritation, and
 - Cartridges/canisters have been changed.
 - During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced or where sample(s) were greater than or equal to 1.5 ppm.

For OPTION 2 (Operations ceased)

- a) Handlers can **resume** operations wearing half-face air-purifying respirators if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm, and
 - o Handlers do not experience sensory irritation.
 - During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handlers taking the air samples. Samples must be taken where the sensory irritation was first experienced.

2. Handlers in Enclosed Cabs (Not Applicable in California)

[Handlers in enclosed cabs are not required to start work in half-face air-purifying respirators if the conditions in the *Personal Protective Equipment (PPE)* section are met.]

The Air Monitoring Requirements section above must be followed.

- If at any time a handler experiences any sensory irritation (tearing, burning of the eyes or nose) while in the enclosed cab, operations must cease and handlers must leave the application block and buffer zone.
- Operations may resume in the enclosed cab provided that:
 - Two consecutive chloropicrin samples taken in the breathing zone of the handlers at the handling site at least 15 minutes apart must be less than 1.5 ppm,
 - o Handlers do not experience sensory irritation, and
 - o The filter has been changed.
 - During the collection of air samples, an air-purifying respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.
- 3. Handlers Applying the Fumigant with Equipment That Disrupts the Chisel Trace and Seals the Soil with One Implement, e.g. a Yetter Applicator (Not Applicable in California)

(Handlers applying the fumigant with equipment that disrupts the chisel trace and seals the soil with one implement, e.g., a Yetter applicator, are not required to start work in half-face air-purifying respirators.)

The Air Monitoring Requirements section above must be followed.

- If at any time any handler experiences sensory irritation (tearing, burning of the eyes or nose) then either:
 - o (OPTION 1) An air-purifying respirator (full facepiece or gas mask) must be worn by all handlers who remain in the application block or surrounding buffer zone, or
 - o (OPTION 2) Operations must cease and handlers not wearing an air-purifying respirator (full facepiece or gas mask) must leave the application block and surrounding buffer zone.

For OPTION 1 [all handlers are wearing air-purifying respirators (full facepeice or gas mask)]

- a) Handlers can remove air-purifying respirators (full facepiece or gas mask) if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm, and
 - Handlers do not experience sensory irritation.
 - During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.
- b) If at any time: (1) a handler experiences sensory irritation when wearing an air-purifying respirator (full facepiece or gas mask) or (2) a chloropicrin breathing zone sample is greater than or equal to 1.5 ppm, then all handler activities must cease and handlers must be removed from the application block and the surrounding buffer zone.
 - i. Handlers can **resume** operations **without** wearing an air-purifying respirator (full facepiece or gas mask) if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm, and
 - Handlers do not experience sensory irritation.
 - During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced or where sample(s) were greater than or equal to 1.5 ppm.
 - ii. Handlers can **resume** operations **with** wearing an air-purifying respirator (full facepiece or gas mask) if all of the following conditions exist:
 - Two chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 1.5 ppm,

- Handlers do not experience sensory irritation, and
- Cartridges/canisters have been changed.
- During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced or where sample(s) were greater than or equal to 1.5 ppm.

For OPTION 2 (Operations ceased)

- a) Handlers can resume operations if all of the following conditions exist:
 - Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must be less than 0.15 ppm, and
 - o Handlers do not experience sensory irritation.
 - During the collection of air samples an air-purifying respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples must be taken where the sensory irritation was first experienced.

Tarp Perforation and/or Removal

IMPORTANT: Persons perforating, repairing, removing, and/or monitoring tarps are defined, within certain time limitations, as handlers (see *Handlers* section) and they must be provided the PPE and other protections for handlers as required on this labeling and in the Worker Protection Standard for Agricultural Pesticides.

- Tarps must not be perforated until a minimum of 5 days (120 hours) have elapsed after the application is complete unless a weather condition exists which necessitates early tarp perforation or removal. (See Early Tarp Removal for Broadcast Applications Only and Early Tarp Perforation During Flood Prevention Activities for Bedded Applications Only requirements.)
- If tarps are perforated within 14 days after the application is complete, tarp removal must not begin until at least 2 hours after tarp perforation is complete.
- If tarps are perforated but not removed within 14 days after the application is complete, planting or transplanting must not begin until at least 48 hours after the tarp perforation is complete.
- If tarps are not perforated or removed within 14 days after the application is complete, planting or transplanting may take place while the tarps are being perforated.
- Each tarp panel used for broadcast application must be perforated.
- Tarps may be perforated manually ONLY for the following situations:
 - o At the beginning of each row when a coulter blade (or other device which performs similarly) is used on a motorized vehicle such as an ATV.
 - o In fields that are 1 acre or less.
 - o During flood prevention activities.
- In all other instances, tarps must be perforated (cut, punched, poked, or sliced) only by mechanical methods.
- Tarp perforation for broadcast applications must be completed before noon.
- For broadcast fumigations, tarps must not be perforated if rainfall is expected within 12 hours.

Early Tarp Removal for Broadcast Applications Only

• Tarps may be removed before the required 5 days (120 hours) if adverse weather conditions have compromised the integrity of the tarp, provided that the compromised tarp poses a safety hazard. *Adverse weather* includes high wind, hail, or storms that blow tarps off the field and create a hazard,

e.g., tarps blowing into power lines and onto roads. A *compromised tarp* is a tarp that due to an adverse weather condition is no longer performing its intended function and is creating a hazard.

Early Tarp Perforation During Flood Prevention Activities for Bedded Applications Only

- Tarp perforation is allowed before the 5 days (120 hours) have elapsed.
- Tarps must be immediately retucked and packed after soil removal.

Entry Restricted Period and Notification

Entry Restricted Period

Entry into the application block (including early entry that would otherwise be permitted under the WPS) by any person – other than a correctly trained and PPE-equipped handler who is performing a handling task listed on this labelling – is PROHIBITED from the start of the application until:

- 5 days (120 hours) after the application is complete for untarped applications, or
- 5 days (120 hours) after the application is complete if tarps are not perforated and removed for at least 14 days after the application is complete, or.
- 48 hours after tarp perforation is complete if tarps will be perforated within 14 days after the application is complete and will not removed for at least 14 days after the application is complete, or
- tarp removal is completed if tarps are both perforated and removed less than 14 days after the application is complete.

NOTES:

- See *Tarp Perforation and/or Removal* section on this labeling for requirements about when tarps are allowed to be perforated.
- If early tarp removal occurs for a broadcast application the entry restricted period is a minimum of 5 days after the application is complete.
- When listing application information for soil fumigant applications to comply with part 170.122 of the WPS, list the entry restricted period time frame in place of the REI.

Notification

Notify workers of the application by warning them orally and by posting Fumigant Treated Area signs. The Fumigant Treated Area signs must bear the skull and crossbones symbol and state:

- "DANGER/PELIGRO"
- "Area under fumigation, DO NOT ENTER/NO ENTRE"
- "1,3-dichloropropene and chloropicrin fumigants in use"
- The date and time of fumigation
- The date and time entry prohibition period is over
- Telone C-35
- Name, address, and telephone number of the certified applicator in charge of the fumigation.

Post the Fumigant Treated Area sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, text size, and sign size (40 CFR §170.120).

Post Fumigant Treated Area signs at all entrances to the application block no sooner than 24 hours prior to application.

Fumigant Treated Area signs must remain posted for no less than the duration of the entry restricted period.

Fumigant Treated Area signs must be removed within 3 days after the end of the entry restricted period.

Mandatory Good Agricultural Practices (GAPs)

The following GAPs must be followed during all fumigant applications.

Application Timing

Apply Telone C-35 at any time of the year when soil conditions permit. Conditions that allow rapid diffusion of the fumigant as a gas through the soil normally give the best results. Because Telone C-35 does not provide residual control of soil pests, use it as a preplant application before planting each crop.

Tarps (when tarps are used in applications of Telone C-35)

- A written tarp plan must be developed and included in the FMP.
- Once a tarp is perforated, the application is no longer considered tarped.
- Tarps must be installed immediately after the fumigant is applied to the soil.

Weather Conditions

- To determine if unfavorable weather conditions exist or are predicted (see Identifying Unfavorable Weather Conditions section) and whether an application should proceed, the National Weather Service weather forecast must be checked by the certified applicator supervising the application:
 - o on the day of, but prior to the start of, the application, and
 - o on a daily basis during the application if the time period from the start of the application until the application is complete is greater than 24 hours.
- Do not apply if an air stagnation advisory issued by the National Weather Service is in effect for the area in which the application is planned, during the application, or the 48 hours after the application is complete.
- Do not apply if light wind conditions (<2 mph) are forecast to persist for more than 18 consecutive hours from the time the application starts until 48 hours after the application is complete.
- Detailed National Weather Service forecasts for local weather conditions, wind speed, and air stagnation advisories may be obtained on-line at http://www.nws.noaa.gov, on NOAA weather radio, or by contacting your local National Weather Service Forecasting Office.

Identifying Unfavorable Weather Conditions

Unfavorable weather conditions block upward movement of air, which results in trapping fumigant vapors near the ground. The resulting air mass can move off site in unpredictable directions. These conditions typically exist within an hour prior to sunset and continue past sunrise and may persist as late as noontime. Unfavorable conditions are common on nights with limited cloud cover and light to no wind and their presence can be indicated by ground fog or smog and can also be identified by smoke from a ground source that flattens out below a ceiling layer and moves laterally in a concentrated cloud.

Telone C-35 Bedded and Broadcast Shank Applications - Additional GAPs

In addition to the GAPs required for all soil fumigation applications with Telone C-35, the following GAPs apply for injection applications.

Soil Preparation:

- Soil must be in good tilth and free of large clods. Large clods can prevent effective soil sealing and reduce effectiveness of the application. If subsurface soil compaction layers (hardpans) are present within the intended fumigation treatment zone, a deep tillage to fracture these layers must occur prior to or during the soil fumigant application.
- Plant residue that is present must not interfere with the application or the soil seal. Non-decomposed plant material may harbor pests that will not be controlled by fumigation. Crop residue that is present must lie flat to permit the soil to be sealed effectively and limit the natural "chimneys" that may occur in the soil when plant residue is present. These "chimneys" allow the soil fumigants to move through the soil quickly and escape into the atmosphere. This may create potentially harmful conditions for workers and bystanders and limits the efficacy of the fumigant. Plant residue on the field serves to prevent soil erosion from both wind and water.

• Trash pulled by the shanks to the ends of the field must be covered with tarp, or soil, depending on the application method before making the turn for the next pass.

Soil Temperature:

- The minimum soil temperature at the depth of injection is 40°F.
- The maximum soil temperature at the depth of injection must not exceed 90°F at the beginning of the application.
 - If air temperatures have been above 100°F in any of the three days prior to the start of the application, then soil temperature must be measured and recorded in the FMP. Record temperature measurements at the application depth or 12 inches, whichever is shallower.

Soil Sealing:

- **Broadcast Untarped Applications:** Use a disc or similar equipment to uniformly mix the soil to at least a depth of 4 to 6 inches to eliminate the chisel or plow traces. Following elimination of the chisel trace, the soil surface must be compacted with a cultipacker, ring roller, and roller in combination with tillage equipment. When using equipment similar to the Yetter applicator (chisel trace disruption and soil sealing are done with one implement), additional tillage and compaction are not required.
- Bedded Applications: Preformed beds must be sealed by disruption of the chisel trace using press sealers, bed shapers, cultipackers, or by reshaping (e.g., relisting, lifting and replacing) the beds immediately following injection. Beds formed at the time of application must be sealed by disrupting the chisel trace using press sealers or bed shapers. When bedding, prebedders such as ripper hippers, hillers, or other prebedders may be used to disrupt the chisel trace and seal the soil. When using equipment similar to the Yetter applicator (chisel trace disruption and soil sealing are done with one implement), additional tillage and compaction are not required. Beds may be formed following the Yetter-type applicator in a normal interval consistent to area production practices.
- Tarped Applications: The use of a tarp does not eliminate the need to minimize chisel traces prior to application of the tarp, such as by using a Nobel plow or other injection shank that disrupts the chisel traces. When bedding, prebedders such as ripper hippers, hillers, or other prebedders may be used to disrupt the chisel trace and seal the soil. When using equipment similar to the Yetter applicator (chisel trace disruption and soil sealing are done with one implement), additional tillage and compaction are not required. Beds may be formed following the Yetter-type applicator in a normal interval consistent to area production practices.

Soil Moisture:

- The soil must be moist 9 inches below the surface. The amount of moisture needed in this zone will
 vary according to soil type. Surface soil generally dries rapidly and must not be considered in this
 determination.
- Soil moisture must be determined using one of the following methods:
 the USDA Feel and Appearance Method for testing (see below), or
 an instrument, such as a tensiometer.
- Available water capacity must be equal to or greater than 50% for shank applications. If there is less
 than 50% available water capacity 9 inches below the surface, the soil moisture must be adjusted. If
 irrigation is not available and there is adequate soil moisture below 9 inches, soil moisture can be
 adjusted by discing or plowing before the start of the application. To conserve existing soil moisture,
 pretreatment irrigation or pretreatment tillage should be done as close to the start of the application as
 possible.
- Measure soil moisture at a depth of 9 inches at either end of the field, no more than 48 hours prior to the start of the application.

The USDA Feel and Appearance Method for estimating soil moisture as appropriate for the soil texture:

• For **coarse** textured soils (fine sand and loamy fine sand), the soil is moist enough (50 to 75% available water capacity) to form a weak ball with loose and clustered sand grains on fingers, darkened color, moderate water staining on fingers, will not ribbon.

- For **moderately coarse** textured soils (sandy loam and fine sandy loam), the soil is moist enough (50 to 75% available water capacity), to form a ball with defined finger marks, very light soil/water staining on fingers, darkened color will not stick.
- For **medium** textured soils (sandy clay loam, loam, and silt loam), the soil is moist enough (50 to 75% available water capacity), to form a ball, very light staining on fingers, darkened color, pliable, and forms a weak ribbon between the thumb and forefinger.
- For **fine** textured soils (clay, clay loam, and silty clay loam), the soil is moist enough (50 to 75% available water capacity), to form a smooth ball with defined finger marks, light soil/water staining on fingers, ribbons between thumb and forefinger.
- For **fields with more than one soil texture**, soil moisture content in the lightest textured (most sandy) areas must comply with this soil moisture requirement. Whenever possible, the field should be divided into areas of similar soil texture and the soil moisture of each area should be adjusted as needed. Coarser textured soils can be fumigated under conditions of higher soil moisture than finer textured soils; however, if the soil moisture is too high, fumigant movement will be retarded and effectiveness of the treatment will be reduced. Previous and/or local experience with the soil to be treated or the crop to be planted can often serve as a guide to conditions that will be acceptable. If there is uncertainty in determining the soil moisture content of the area to be treated, a local extension service agent, soil conservationist, or pest control advisor (agriculture consultant) should be consulted for assistance.

Application Depth:

- Tarped Broadcast Applications: The injection point must be a minimum of 8 inches from the nearest final soil/air interface.
- Tarped and Untarped Bedded Applications: The injection point must be a minimum of 12 inches from the nearest final soil/air interface.
- Untarped Broadcast Applications: The injection point must be a minimum of 12 inches from the nearest final soil/air interface. When using the Nobel plow for untarped broadcast applications, the injection point must be a minimum of 15 inches from the nearest final soil/air interface.
- Untarped Broadcast Deep Applications: The injection point must be a minimum of 18 inches from the nearest final soil/air interface.

Application Methods and Equipment:

- **Broadcast Applications:** Use chisel (shank) or coulter (e.g., Yetter 30-inch Avenger), offset wing shank, Nobel (sweep) plow, or plow-sole application equipment. For best results when using chisel equipment, use ripper-type, forward-swept shanks. Nobel plow equipment is particularly useful for fall fumigation when the soil still contains some standing undecomposed plant material. Subsoiling may be necessary before application. Choose application equipment that allows the deepest application and best soil seal under existing conditions.
 - o When broadcast applying Telone C-35 in areas east of the Mississippi River, leave the soil undisturbed and unplanted for at least 14 days after application. For best disease control when broadcast applying Telone C-35, use a supplemental application of chloropicrin in-bed at labeled rates, leaving the soil undisturbed for at least 7 days before applying chloropicrin. In either case, follow the most restricted soil fumigation interval guideline of both products before planting the crop. Allow all of the fumigant to dissipate completely before planting the crop. Do not plant if Telone C-35 is detected.
 - o The fumigant outlet spacing varies with the type of application equipment used.
 - With chisel and coulter equipment, a fumigant shank spacing of 12 to 24 inches is recommended. Do
 not exceed the maximum shank and outlet spacing of 24 inches. The outlet spacing for this
 equipment may be up to 1 1/2 times the application depth but generally should be equal to the
 application depth and should not exceed the soil shattering capability of the chisels.
 - With plow-sole equipment, a 12-inch outlet spacing is recommended. Do not exceed an outlet spacing of 18 inches.
 - o With Nobel (sweep) plow equipment, use an outlet spacing of 9 to 12 inches along the sweeps.
 - Broadcast application can be made in the same direction or at an angle to the direction of row planting.

- Bedded Application (for Row Spacing Greater Than 24 Inches): Use chisel equipment to treat a band of soil where the crop is to be planted, i.e., the plant row. When multiple chisels per plant row are used, space the chisels (fumigant outlets) no more than 12 inches apart.
 - o When applications to plastic culture vegetables east of the Mississippi River are made at a 12-inch depth or greater prior to vegetable bed formation (e.g., Yetter prebedder or ripper bedder), a supplemental application of chloropicrin in-bed at bed formation is recommended when disease or weed control is a concern. When applications are made in-bed, enough knives/coulters should be used to ensure thorough fumigation. The knives/coulters should not be placed greater than 12 inches apart.
 - With certain deeper rooted crops such as potatoes and sugarbeets, higher flow rates may be necessary to ensure adequate treatment of the zone of soil where primary root growth occurs.
 - o To prevent seed germination problems caused by improper seed-to-soil contact or improper planting depth, do not place the seed directly over the furrow left by the applicator chisel(s). When one chisel is used per plant row, place the seed about 4 inches to one side of the chisel furrow. When two chisels are used per plant row, plant the seed offset from the chisel trace.

Prevention of End Row Spillage:

- Do not apply or allow fumigant to spill onto the soil surface. For each injection line either have a check valve located as close as possible to the final injection point, or drain/purge the line of any remaining fumigant prior to lifting injection shanks from the ground.
- Do not lift injection shanks from the soil until the shut-off valve has been closed and the fumigant has been depressurized (passively drained) or purged (actively forced out via air compressor) from the system.
- The dispensing system must shut off the feed stream when chisels are raised out of the ground. Do not stop or park near any area where dribble from chisel tips has fallen.
- A flow shutoff device must be placed as close as is technically feasible to the fluid discharge point. This
 can be a ball, poppet, or diaphragm check valve, or full flow shutoff device such as an electric or
 pneumatically actuated valve.
- Service any system immediately if continuous drip occurs.
- If mechanical check valves and orifices are used, place the check valve above the orifice. Also, isolate
 the check valve from upstream pressure by installing a main line shut off or bypass valve prior to the
 manifold.
- Pipe diameter from check valve to injection point must not exceed 1/4 inches ID National Pipe Standard (NPS). Preferably, use the smallest diameter pipe or tubing possible which achieves the required flow rate.
- Alternative end-row spillage devices or methods, such as, but not limited to, micro-bore restricted flow tubing or line purge systems may be used if they provide equal or superior control versus check valves.

Calibration, Set Up, Repair and Maintenance for Application Rigs:

Compatible Materials

- 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).
- Do not expose rigid PVC to undiluted Telone C-35 or more than 1500 ppm of Telone C-35 in the diluted form.

The following materials must **not** be used with Telone C-35:

- Do not use containers, pumps, or other transfer equipment made of aluminum, magnesium, zinc (including galvanized), cadmium, tin and alloys, or vinyl as under certain conditions Telone C-35 may be severely corrosive to such materials. Unless referring to plasticized vinyl, vinyl and PVC are the same. PVC is listed above under Compatible Materials.
- Buna-N, neoprene and fiberglass have the potential to disintegrate and must not be used with Telone C- 35.

- All rigs must include a filter to remove any particulates from the fumigant and for pressurized systems a
 check valve to prevent backflow of the fumigant into the pressurizing cylinder or the compressed air
 system.
- Rigs must include a flowmeter or a constant pressure system with orifice plates to ensure the proper amount of fumigant is applied.
- To prevent the backflow of fumigant into the compressed gas cylinder (e.g., nitrogen, other inert gas or compressed air), if used, applicators must:
 - Ensure that positive pressure is maintained in the compressed gas cylinder at not less than 200 psi
 during the entire time it is connected to the application rig if a compressed gas cylinder is used. (This
 is not required for a compressed air system that is part of the application rig because if the
 compressor system fails, the application rig will not be operable.)
 - Ensure that application rigs are equipped with properly functioning check valves between the compressed gas cylinder or compressed air system and the fumigant cylinder. The check valve is best placed on the outlet side of the pressure regulator and is oriented to only allow compressed gas to flow out of the cylinder or compressed air out of the compressed air system.
 - A pressure relief valve must be installed between the regulator and the check valve to ensure a regulator failure does not overpressurize the fumigant cylinder.
 - Always pressurize the system with compressed gas or by use of a compressed air system before opening the fumigant cylinder valve.
- Before using a fumigation rig for the first time, or when preparing it for use after storage, the operator must check the following items carefully:
 - o Check the filter and clean or replace the filter element as required.
 - o Check all tubes and chisels to make sure they are free of debris and obstructions.
 - o Check and clean the orifice plates and screen checks, if installed.
 - o Pressurize the system with compressed gas or compressed air, and check all fittings, valves, and connections for leaks using soap solution.
- Install the fumigant cylinder and connect and secure all tubing. Slowly open the compressed gas or compressed air valve and increase the pressure to the desired level. Slowly open the fumigant cylinder valve, always watching for leaks.
- When the application is complete, close the fumigant cylinder valve and blow residual fumigant out of the fumigant lines into the soil using compressed gas or compressed air. If the rig uses a centrifugal pump instead of compressed gas to inject fumigant into the soil, you may clear residual fumigant from the fumigant lines using an application wand connected to the system's low point via a drain hose. Place the wand in the soil until all residual fumigant has drained from the system. The want and drain hose must be free of dirt to allow proper drainage. At the end of the application season, disconnect all fumigant cylinders from the application rig. At the end of the season, seal all tubing openings with tape to prevent entry of insects and dirt.

Application equipment must be calibrated and all control systems must be working properly. Proper calibration is essential for application equipment to deliver the correct amount of fumigant uniformly to the soil. Refer to the manufacturer's instructions on how to calibrate your equipment. Usually the equipment manufacturer, fumigant dealer, or Cooperative Extension service can provide assistance.

Planting Interval:

- Leave the soil undisturbed and unplanted for at least 7 days after the application of Telone C-35 is complete. A longer undisturbed interval is required if the soil becomes cold or wet, and for deep-rooted tree, shrub and vine planting sites.
- After fumigation to prevent phytotoxicity, allow the fumigant to dissipate completely before planting the crop. Dissipation is usually complete when Telone C-35 can no longer be detected at the application depth. Under optimum soil conditions for dissipation, a period of 1 week for each 10 gallons per treated acre is generally required for complete dissipation. If tarps that qualify for either a 40% or 60% buffer zone credit are used, a longer dissipation period may be needed. Rapidly germinating seed (i.e., lettuce or radish) and/or seed or transplants to be grown may be used as a bioassay to determine if Telone C-35 is present in the soil at concentrations sufficient to cause plant injury.

To hasten dissipation especially if heavy rains or low temperatures occur during the treatment period, till
the soil to the depth of fumigant application. Use a knife-like chisel without turning the soil to reduce the
possibility of recontaminating the treated soil. Dissipation is usually complete when Telone C-35 is no
longer evident at the application depth. Seed may be used as a bioassay to determine if Telone C-35 is
present in the soil at concentrations sufficient to cause plant injury. Do not plant if Telone C-35 is
detected.

Bulk and Non-Bulk Containers:

- Telone C-35 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 C-35.
- All hoses, piping, and tanks used in connection with Telone C-35 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 C-35 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 C-35 beyond a pump must not exceed the manufacturer's maximum pressure specification.

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.

Telone C-35 Tree Replant Applications Using Handheld Equipment - Additional GAPs

This application method is used when Telone C-35 is applied to individual tree sites in an existing orchard where shank applications are not possible. In addition to the GAPs required for all soil fumigation applications with Telone C-35, the following GAPs apply for tree replant applications with Telone C-35.

Site Preparation:

- Remove the tree stump and primary root system in each individual tree site with a backhoe or other similar equipment, for example, an auger.
- The backhoe site must be dug in the approximate dimensions of 10 x 10 x 10 feet.
- The hole must be backfilled with soil before application.

Application Depth:

- The fumigant must be injected at least 18 inches into the soil.
- For sites where no restrictive soil layers are present, Telone C-35 can be applied to a depth of 5 feet using an injection auger. For tree replant sites in the western U.S., apply Telone C-35 at a single point in the center of each planting site at a depth of 5 feet below the original soil surface, or into at least three points per planting site, at a depth of 3 feet below the original soil surface.

System Flush:

 Before removing the application wand from the soil the wand must be cleared using nitrogen or compressed air.

Soil Sealing:

• After the wand is cleared and removed from the soil, the injection hole must be either covered with soil and tamped or the soil must be compacted over the injection hole.

Planting Interval:

To prevent phytotoxicity, ensure that the chemical has dissipated completely before planting.
 Dissipation is slower in cold, wet soils. Prepare and treat planting sites in the fall and plant in the spring.
 Do not place in groundwater.

Table 1. Rates for Flat Fume, "Broadcast" Application for Nematodes, Symphylans, Wireworms and Certain Soil Borne Diseases

		Per Treated Application Rates (Gallons/Acre)	
Crops	Soil Type	Untarped Shank Injection	Tarped Shank or Untarped Deep (18" Minimum) Shank Injection
vegetable crops	mineral muck or peat	13 to 20.5 ² 33 ³ to 36	
potato ^{1, 2} and onion ¹	mineral muck or peat	21.4 to 33 ¹ 36	
field crops ⁴	mineral muck or peat	13 to 20.5 ² 26	
fruit and nut crops ^{5, 6,} including strawberries	mineral, muck, or peat	39 to 45	39 to 50
nursery crops	mineral, muck, or peat		60.5 to 79
mint	mineral, muck, or peat		33

Note: For control of symphylans (garden centipedes) or suppression of wireworms, consult the Soil Insects section below for more specific directions and application rates.

¹Potatoes and onions: To control root knot nematode and suppress wireworms in mineral soils, apply Telone C-35 at the rate of 29 gpa. To control northern root knot nematode in mineral soils, apply Telone C-35 at the rate of 21.4 to 24.4 gpa. To control stubby root nematode in mineral soils, apply Telone C-35 at the rate of 33 gpa. For best results, apply the fumigant consistently at least 18 inches below the final soil/air interface.

Preharvest soil sampling and preharvest tuber sampling is recommended to detect developing nematode populations or early tuber infection.

There are a range of soil conditions under which Telone C-35 can be applied. Within that range, product performance will improve as the soil condition moves toward optimum. Using Telone C-35 under soil conditions outside the range will yield less than satisfactory performance.

²Potatoes: 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. For best timing and sampling methods, consult a local extension service agent, pest control advisor, or Dow AgroSciences representative for assistance. If the nematode population is high enough to damage the crop, the potatoes can be harvested early. Fumigation cannot be expected to eradicate the entire pest population. Therefore, post-treatment and preplant soil sampling is recommended to determine the need for additional pest population control or other management practices. Do not store potatoes with a detectable nematode infestation. Row treatment is not recommended for potatoes in irrigated areas of western and northwestern states. Do not use plow-sole application.

Using Telone C-35 does not guarantee pest-free potatoes at harvest. Using Telone C-35 according to use directions will control only the nematode populations present within the fumigated zone at the time of fumigation. The fumigated zone can vary depending upon a number of factors such as fumigant rate, application methods used, depth of application, soil moisture, soil type, soil temperature and soil tilth (including soil compaction and soil porosity). Telone C-35 will not control or prevent reinfestation subsequent to treatment. Subsequent pest populations may infest the fumigated zone from irrigation water, equipment or other sources of contamination, or may invade the fumigated zone from surrounding untreated soil such as from beneath the fumigated zone or from unfumigated pockets within the fumigated zone.

Do not plow the ground in the spring in such a way that inverts the soil prior to a spring fumigation. Conduct such tillage operations in the fall to allow winter kill of residual nematode populations in the top 1 to 2 inches of the soil profile. A cover crop, such as wheat or grass, can be planted to reduce the potential for soil erosion following a fall soil fumigation and undisturbed soil interval.

- ³When using the coulter system (e.g., Yetter 30-inch Avenger) in moderate to heavy disease pressure, use the maximum rate of Telone C-35 followed by chloropicrin in-bed. Consult your local certified dealer for rate recommendations.
- ⁴For muck soils containing less than 30% organic matter use 26 gpa. **In New York:** for high organic matter soils, use a maximum of 45 gpa for shallow untarped applications and a maximum of 50 gpa for tarped and untarped deep broadcast applications.
- ⁵Citrus Fruits: For burrowing nematode control, inject Telone C-35 on 18-inch centers at least 12 inches deep. To protect existing trees near tree planting sites within existing groves, do not apply within 5 feet of living trees. Keep the field free of plants susceptible to burrowing nematodes for 2 years before replanting to citrus.
- ⁶Tree Replanting Sites in the U.S. use 33 fl oz of Telone C-35.

Table 2. Bedded or Stripped Applications to Control Nematodes, Symphylans, Wireworms, and Certain Soil Borne Diseases

		Per Treated Application Rates (Gallons/Acre)	
Crops	Soil Type	Untarped Shank Injection	Tarped Shank or Untarped Deep (18" Minimum) Shank Injection
vegetable crops	mineral muck or peat	13 to 30.8 33 to 54	
potato and onion	mineral muck or peat	25 to 49.5 39.5 to 54	
field crops	mineral muck or peat	13 to 30.8 39	
fruit and nut crops including strawberries	mineral, muck, or peat	39 to 67.5	39 to 75
nursery crops	mineral, muck, or peat		60.5 to 118.5
mint	mineral, muck, or peat	49.5	

The per treated acre rate range for bedded or stripped applications (Table 2) is wider than the rates listed in Table 1 because flat fume or broadcast rates can be concentrated in the bed or strip and the width of these beds or strips can vary significantly. In no case can the total number of gallons of Telone C-35 applied on an acre exceed the volume listed in Table 1.

Control of Nematodes

Use Telone C-35 for control of nematodes and symphylans, management of soil diseases, and suppression of wireworms in soils to be planted to vegetable crops, field crops, fruit and nut crops, nursery crops and mint.

Control of Soil Insects

Symphylans (Garden Centipedes): Use Telone C-35 for treatment of soil to be planted to crops where these pests have been shown to be a problem. Apply the fumigant only as a broadcast treatment at the rate of 27.6 to 53.8 gpa. For rates greater than 45 gpa, application depth must be at least 18 inches. For best results, apply during late summer or early fall when the soil is warm.

Wireworms: Use Telone C-35 for treatment of soil to be planted to crops where these pests have been shown to be a problem. Apply the fumigant as a broadcast treatment at 27.6 gpa by injection at least 14 inches below the final soil surface.

Calculating the Broadcast Equivalent Application Rate

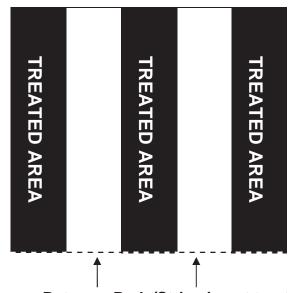
To calculate the broadcast equivalent rate for bedded or strip applications the following information is needed:

- gallons of product per treated acre
- strip or bed bottom width (inches)
- center-to-center row spacing (inches)
- application block size (acres)

Gallons of product per treated acre is the ratio of total amount of product applied to the size of the total area treated (e.g., the rate of product applied in the bed). For bedded or strip applications, the total area treated is the summation of the area (i.e., length x width) of each treated bed bottom or strip that is located within the application block as shown by the black areas in Figure 1 (e.g., black areas are 0.6A or 60% of the area within the application block). The area of the space between the beds/strips is not factored in the total area treated.

The application block size is the acreage within the perimeter of the fumigated portion of a field (including furrows, irrigation ditches, roadways). The perimeter of the application block is the border that connects the outermost edges of total area treated with the fumigant product.

Figure 1. Bedded/Strip Application (1 acre application block)

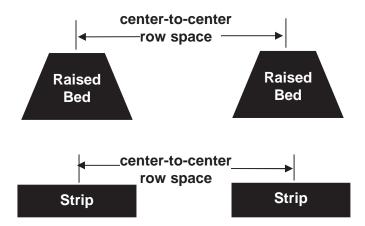


Space Between Beds/Strips is not treated

The "broadcast equivalent rate" must be calculated with the following formula:

- -The bed width must be measured from the bottom of bed.
- -The center-to-center row spacing must be calculated as shown in Figure 2.
- -If there are any ditches, waterways, drive rows and other areas that are not fumigated that are in the application block, multiply the above broadcast equivalent equation by (total area of strips or beds + row spacing)/(application block size). A sample calculation is provided below.

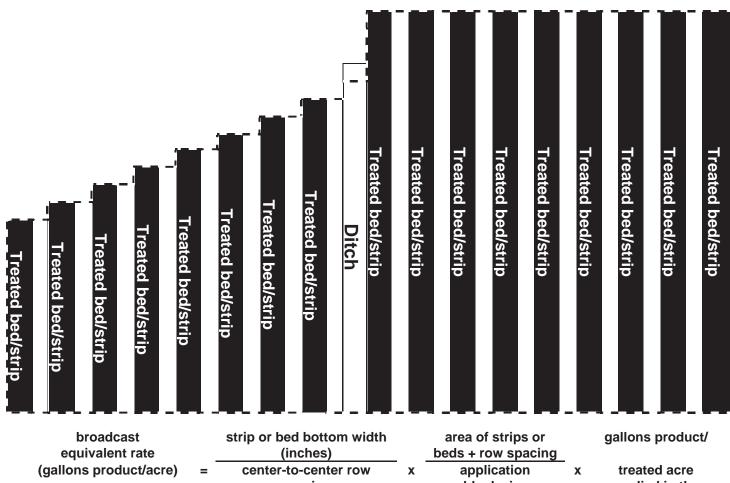
Figure 2. Center Row Spacing



Sample broadcast equivalent rate calculation

Assumptions:

- Application method is shank bedded
- Bed width is 30 inches (measured at the bottom of bed)
- Center-to-center row spacing is 60 inches
- 20 gallons of product per treated acre is applied in the beds
- Total application block size is 10 acres
- Ditch in the middle of application block is 0.25 acres
- Area of beds + row spacing is 9.75 acres



= 9.75 gallons product/acre

Buffer Zone Requirements

A buffer zone must be established for every fumigant application. The following describes the buffer zone requirements:

- The buffer zone must extend outward from the edge of the application block perimeter equally in all directions.
- All non-handlers, including field workers, residents, pedestrians, and other bystanders, must be excluded from the buffer zone during the buffer zone period except for transit (see *Buffer Zone Exemption for Transit on Roadways*).
 - o Local, state, or federal officials performing inspection, sampling, or other similar official duties are not excluded from the application block or the buffer zone by this labeling. The certified applicator supervising the application and the owner of the establishment where the application is taking place are not authorized to, or responsible for, excluding those officials from the application block or the buffer zone.

• The buffer zone period begins at the start of the application and lasts for a minimum of 48 hours after the application is complete.

Buffer Zone Proximity

- Before the start of application, the certified applicator must determine whether their buffer zone will overlap any chloropicrin buffer zone(s).
- To reduce the potential for off-site movement from multiple fumigated fields, buffer zones from multiple chloropicrin application blocks must not overlap UNLESS:
 - 1. A minimum of 12 hours have elapsed from the time the earlier application(s) is complete until the start of the later application, and
 - 2. Fumigant Site Monitoring or Response Information for Neighbors have been implemented if there are any residences or businesses within 300 feet of any of the buffer zones.

Structures Under the Control of the Owner of the Application Block

- Buffer zones must not include buildings used for storage (e.g., sheds, barns, garages) UNLESS:
 - 1. The storage buildings are not occupied during the buffer zone period, and
 - 2. The storage buildings do not share a common wall with an occupied structure.

Areas Not Under the Control of the Owner of the Application Block

- Buffer zones must not include residential areas (e.g., employee housing, private property), buildings (e.g., commercial, industrial), outdoor residential areas (e.g., lawns, gardens, play areas) and other areas that people may occupy, UNLESS:
 - 1. The occupants provide written agreement, prior to the start of the application, that they will voluntarily vacate the buffer zone during the entire buffer zone period, and
 - 2. Reentry by occupants and other non-handlers must not occur until,
 - o The buffer zone period has ended, and
 - o Sensory irritation is not experienced upon re-entry.
- Buffer zones must not include agricultural areas owned and/or operated by persons other than the owner of the application block, UNLESS:
 - 1. The owner of the application block can ensure that the buffer zone will not overlap with a chloropicrin buffer zone from any other property owners, except as provided in the *Buffer Zone Proximity* section, and
 - 2. The owner of the other property provides written agreement to the applicator that they, their employees, and other persons will stay out of the buffer zone during the entire buffer zone period.
- Buffer zones must not include roadways and rights of way UNLESS:
 - 1. The area is not occupied during the buffer zone period, and
 - 2. Entry by non-handlers is prohibited during the buffer zone period.

Buffer Zone Exemption for Transit on Roadways

Vehicular and bicycle traffic on public and private roadways through the buffer zone is permitted. (NOTE: Buffer zones are not permitted to include bus stops or other locations where persons wait for public transit.)

- For all other publicly owned and/or operated areas such as parks, sidewalks, permanent walking paths, playgrounds, and athletic fields, buffer zones must not include these areas UNLESS:
 - 1. The area is not occupied during the buffer zone period,
 - 2. Entry by non-handlers is prohibited during the buffer zone period, and
 - 3. Written permission to include the public area in the buffer zone is granted by the appropriate state and/or local authorities responsible for management and operation of the area.

Certified applicators must comply with all local laws and regulations.

See the *Posting* section for additional requirements that may apply.

Buffer Zone Distances

Buffer zone distances must be calculated using the application rate and the size of the application block.

- Buffer zone distances must be based on look-up tables in this labeling (25 feet is the minimum distance regardless of site-specific application parameters).
- For selective tree replant fumigation in an orchard using handheld application methods, the minimum buffer zone will be 25 feet measured from the center of each injection site.
- For all other applications, Tables 3 through 8 as appropriate for the methods of application must be used to determine the minimum buffer distances. Round up the nearest rate and block size, where applicable. Applications are prohibited for rates or block sizes that exceed what is presented in the buffer zone tables.

Table 3. Strip Tarp Buffer Zone Distances (in Feet)

_											_									_				
	160	35	35	35	35	47	09	87	133	173	200	233	279	331	397	463	543	595	647	669	751	803	855	907
	150	35	35	35	35	44	99	81	125	163	188	219	261	311	373	435	509	558	909	655	704	753	801	850
	140	30	30	30	30	41	53	92	117	152	175	204	244	290	348	406	475	520	566	611	657	702	748	793
	130	30	30	30	30	38	49	70	108	141	163	190	226	269	323	377	441	483	525	568	610	652	694	737
	120	25	25	25	25	35	45	99	100	130	150	175	209	249	298	348	407	446	485	524	563	602	641	089
	110	25	25	25	25	30	40	09	\$8	115	135	160	194	232	627	326	382	419	456	493	529	999	603	640
	100	25	25	25	25	25	35	22	22	100	125	145	6/1	214	258	305	355	688	424	458	492	526	561	595
	90	25	25	25	25	25	30	50	90	75	110	130	164	196	236	277	325	356	388	419	451	482	514	545
	80	25	25	25	25	25	30	36	43	50	83	116	149	184	221	258	295	306	318	329	358	404	449	495
	70	25	25	25	25	25	30	30	34	38	70	102	134	166	198	230	263	280	297	314	340	375	410	445
	60	25	25	25	25	25	25	25	25	25	99	88	119	149	176	203	230	253	276	299	322	346	371	395
	50	25	25	25	25	25	25	25	25	25	46	89	68	114	142	170	198	218	239	260	281	302	324	345
cres)	40	25	25	25	25	25	25	25	25	25	36	48	59	79	108	136	165	184	202	221	239	258	276	295
Size (a	35	25	25	25	25	25	25	25	25	25	32	39	46	65	94	123	153	170	188	206	224	243	261	280
Application Block Size (acres)	30	25	25	25	25	25	25	25	25	25	30	31	34	50	80	110	140	157	174	191	209	228	246	265
ation	25	25	25	25	25	25	25	25	25	25	25	30	30	41	64	87	110	129	147	166	182	195	209	223
Applic	20	25	25	25	25	25	25	25	25	25	25	25	25	33	49	49	08	100	120	140	154	163	171	180
7	15	25	25	25	25	25	25	25	25	25	25	25	25	30	37	45	53	99	80	93	106	117	129	140
	10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	32	39	46	57	71	98	100
	9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	31	36	42	51	62	74	85
	%	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	34	38	4	53	19	70
	7	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	31	34	38	4	49	55
	9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	30	31	34	37	40
	w	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	2	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	gal	6	10	11	12	13	14	15	17	18	19	21	22	23	24	56	27	29	30	31	32	33	32	36
				(V /	jənp	oro	I su	olls	5) 6	Jest	[uo	itsə	ilqq	[A 1	uəle	sviu	Ed	cssi	ped	Br				

Table 3. Strip Tarp Buffer Zone Distances (in Feet) (continued)

	gal 1	37 25	39 25	40 25	41 25	42 25	44 25	45 25 4	46 25 4	48 25 4	49 25 4	50 25 2	25	25	30	25 30 ⁷	31	32	33	60 34	34	63 35 :	36	98 39	37	30
	2 3	30 31	31 3	34 4.	36 4	37 4	39 5.	40 5	41 57	42 5	43 6	45 61	46 6	47 6	48 6	49 6	50 6	51 71	53 7.	54 7	55 7:	26 77	57 79	58 8	59 82	61
	4	1 34	36 42	42 51	46 57	49 61	52 66	55 70	7 72	58 74	92 09	1 78	63 80	64 82	66 84	98 89	88 69	1 90	72 92	74 94	75 96	7 98	79 100	80 102	2 104	02 106
	S	1 36	2 48	65 1	89 2	74	5 79) 85	2 87	1 90	5 92	3 95	76 (2 100	1 102	5 104	3 107) 109	2 112	1 115	5 117	3 119	0 121	2 124	4 126	170
	9	52	49	16	85	06	96	101	104	107	110	113	115) 118	2 121	124	7 127) 130	2 133	5 136	7 139	9 141	144	147	5 150	152
	7	89	80	93	102	107	112	1117	120	7 124) 127	3 131	5 134	3 137	140	144	7 147) 150	154	5 157) 160	164	167	7 171	174	1771
	∞	\vdash	96	109	2 118	7 123	2 128	7 133) 137	141	7 144	148	152	156) 160	163	7 167	171	175	179	182	186	7 190	194	198	201
	6	66	112	126	135	140	144	149	153	158	. 162	166	170	5 175	179	183	187	192	196	200	204	5 209	213	. 217	221	300
	10	114	129	143	152	156	161	165	170	174	179	184	189	193	198	203	207	212	217	222	226	231	236	240	245	250
	15	154	169	183	194	201	208	215	221	227	233	240	246	252	258	264	270	276	283	289	295	301	307	313	319	308
Appli	20	194	209	223	235	245	255	265	273	280	288	295	303	310	318	326	333	341	348	356	363	371	379	386	394	101
Application Block Size	25	238	254	270	283	293	303	313	322	331	340	349	358	367	376	385	393	402	411	420	429	438	447	456	465	177
Block	30	282	299	316	330	340	350	360	370	381	391	401	411	422	432	442	453	463	473	483	494	504	514	525	535	212
Size (a	35	301	321	342	360	374	388	403	415	426	438	449	461	472	484	495	507	518	530	541	553	564	576	587	599	610
(acres)	40	319	344	368	389	408	426	445	457	470	483	496	609	521	534	547	655	572	585	869	610	623	989	648	199	1/2
	50	371	398	424	448	469	489	510	525	539	554	999	583	597	612	627	641	959	029	685	669	714	729	743	758	777
	09	424	452	481	909	529	552	575	591	809	624	641	229	674	069	902	723	739	756	772	682	805	821	838	854	028
	70	474	504	533	561	587	614	640	859	. 119	. 569	713	731	750	892	982	805	823	841	628	878	968	914	933 1	951 1	060
	08	525	555 (585 (615	645 7	7 279	705 7	725 7	745 8	3 59/	785 8	802	825 5	846 9	5 998	5 988	5 906	927	947	967	987	1007	1027	1047	1067
	90 1	577 (9 609	641 6	674 7	706	738	8 022	792 8	814 8	836 9	828	6 088	905 9	924 10	946 10	968 10	990 10	1012 10	1034 1	1056 1	1078	1100 11	1122 1	1144	1166
	100	629	664 7	698 7.	732 7	8 992	801 8	835 9	628	883 9.	907	930 10	954 10	978 10	1002	1026	1050 11	1074	1097	1121 12	1145 12	1169 12	1193 12	1217 13	1241 13	1264 13
	110 11	121 779	714 76	751 80	78 687	826 88	863 92	900 60	926	951 10	977 10	1003 10	1029 11	1054 11	1080	1106 11	1131 12	1157 12	1183 12	1209 12	1234 13	1260 13	1286 13	1311 14	1337 14	1262 11
	120 13	21 781	761 8.	802 80	843 91	884 99	924 10	965 10	993 10	1020	1048 11	1075	1103 111	1130 112	1158 12	1186 12	1213 13	1241 13	1268 13	1296 14	1323 14	1351 14	1379 14	1406 15	1434 15	1761 15
	130 140	31 84	825 888	989 936	13 983	957 1031	1001 10	1045 113	1075 1158	1105 1190	1135 1222	1165 1255	1195 1287	1225 13	1255 1351	1284 13	1314 14	1344 14	1374 1480	1404 15	1434 15	1464 15	1493 1608	1523 1641	1553 1673	1502 17
	0 150	.1 901	8 952	6 1003	3 1054	31 1104	1078 1155	1126 1206	58 1241	90 1275	22 1310	55 1344	87 1379	1319 1413	51 1448	1383 1482	1415 151	1448 1551	30 1585	1512 1620	1544 1654	1576 1689	38 1723	1758	73 1792	1705 1827
	0 160	1 961	2 1015	3 1070	4 1124	4 1178	5 1232	6 1287	.1 1323	5 1360	0 1397	4 1434	9 1470	3 1507	8 1544	2 1581	6 1618	1 1654	5 1691	0 1728	4 1765	1801	3 1838	8 1875	2 1912	7 10/18

Table 4. Bed Tarp Buffer Zone Distances (in Feet)

				i	1	ı									1									
	160	45	45	45	45	45	45	45	45	45	45	80	127	193	260	297	333	420	460	500	583	299	700	733
	150	40	40	40	40	40	40	40	40	40	40	75	119	181	244	278	313	394	431	469	547	625	959	889
	140	35	35	35	35	35	35	35	35	35	35	70	111	169	228	260	292	368	403	438	510	583	613	642
	130	30	30	30	30	30	30	30	30	30	30	65	103	157	211	241	271	341	374	406	474	542	699	969
	120	25	25	25	25	25	25	25	25	25	25	09	95	145	195	223	250	315	345	375	438	500	525	550
	110	25	25	25	25	25	25	25	25	25	25	51	82	119	160	193	225	283	310	338	388	438	463	488
	100	25	22	25	25	25	25	52	22	22	25	43	09	86	125	163	200	250	275	008	338	375	400	425
	90	25	25	25	25	25	25	25	25	25	25	34	43	74	105	143	180	230	256	283	315	348	374	400
	80	25	25	25	25	25	25	25	25	25	25	25	25	55	85	123	160	210	238	265	293	320	348	375
	70	25	25	25	25	25	25	25	25	25	25	25	25	40	55	93	130	183	203	223	251	280	300	320
	09	25	25	25	25	25	25	25	25	25	25	25	25	25	25	63	100	155	168	180	210	240	253	265
	50	25	25	25	25	25	25	25	25	25	25	25	25	25	25	45	65	135	145	155	188	220	230	240
cres)	40	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	65	95	125	143	160	180	200
Size (a	35	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	45	70	95	110	125	143	160
3lock (30	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	43	09	78	95	113	130
ation]	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	55	85	103	120
Application Block Size (acres)	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	50	75
1	15	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	6	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	8	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	7	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	S	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
1	4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-	2	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	gal	6	10	11	12	13	14	15	17	18	19	21	22	23	24	56	27	29	30	31	32	33	35	36
		<u> </u>		(V /	ı Jənt	010	I su	olls	5) 6	sts?	[uo	itsə	ilqq	IA 1	uəlı	3viu	Ed	iseo	ped	Bro				

Q1A / Telone C-35 / Amend / 07-25-17

Table 4. Bed Tarp Buffer Zone Distances (in Feet) (continued)

	160	773	813	853	883	913	957	1000	1029	1057	1086	1114	1143	1171	1200	1229	1257	1286	1314	1343	1371	1400	1429	1457	1486	
	150	725	763	800	828	928	268	938	964	166	1018	1045	1071	1098	1125	1152	1179	1205	1232	1259	1286	1313	1339	1366	1393	İ
	140	229	712	747	773	799	837	875	006	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200	1225	1250	1275	1300	Ī
	130	628	661	693	718	742	LLL	813	836	658	882	905	626	952	975	866	1021	1045	1068	1001	1114	1138	1161	1184	1207	Ī
	120	580	610	640	693	685	718	750	771	793	814	9836	857	628	006	921	943	964	986	1007	1029	1050	1071	1093	11114	Ī
	110	528	555	583	613	643	829	713	733	753	774	794	814	835	855	875	968	916	936	756	<i>LLL</i>	866	1018	1038	1059	Ī
	100	475	500	525	563	009	638	675	694	714	733	752	771	791	810	829	849	898	887	906	926	945	964	984	1003	Ī
	06	438	466	495	523	550	588	625	643	661	629	969	714	732	750	292	786	804	821	839	857	875	893	911	929	Ī
	80	400	433	465	483	500	538	575	591	809	624	641	657	674	069	902	723	739	756	772	682	805	821	838	854	Ī
	70	350	618	408	428	448	474	009	514	529	543	257	571	989	009	614	679	643	657	671	989	002	714	729	743	
	09	300	325	350	373	368	410	425	437	449	461	474	486	498	510	522	534	546	559	571	283	269	209	619	631	
	20	275	867	320	330	340	098	380	391	402	413	423	434	445	456	467	478	489	499	510	521	532	543	554	295	
acres)	40	220	248	275	283	290	310	330	339	349	358	368	377	387	396	405	415	424	434	443	453	462	471	481	490	
Size (35	175	200	225	243	260	278	295	303	312	320	329	337	346	354	362	371	379	388	368	405	413	421	430	438	
Application Block Size (acres	30	160	178	195	213	230	245	260	267	275	282	290	297	305	312	319	327	334	342	349	357	364	371	379	386	
cation	25	135	148	160	178	195	213	230	237	243	250	256	263	697	9/2	283	586	967	302	608	315	322	329	335	342	
Appli	20	100	120	140	153	165	173	180	185	190	195	201	206	211	216	221	226	231	237	242	247	252	257	262	267	
	15	45	0/	95	108	120	128	135	139	143	147	150	154	158	162	166	170	174	177	181	185	189	193	197	201	
	10	25	25	25	25	25	45	9	<i>L</i> 9	69	71	72	74	92	78	80	82	8	85	87	68	91	93	95	24	
	6	25	25	25	25	25	41	57	69	09	62	49	9	<i>L</i> 9	89	70	72	73	75	LL	78	80	81	83	85	
	∞	25	25	25	25	25	37	49	50	52	53	55	99	57	59	09	62	63	49	99	<i>L</i> 9	69	70	71	73	
	7	25	25	25	25	25	33	41	42	43	45	46	47	48	49	50	52	53	54	25	99	57	59	09	61	
	9	25	25	25	25	25	29	33	34	35	36	37	38	39	40	41	41	42	43	4	45	46	47	48	49	
	w	25	25	25	25	25	25	25	25	25	25	30	30	30	30	30	30	35	35	35	35	35	35	40	40	
	4	25	25	25	25	25	25	25	25	25	25	25	25	30	30	30	30	30	30	30	30	30	30	35	35	
	8	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	30	30	
-	7	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
	1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	\downarrow
	gal	37	39	40	41	42	44	45	46	48	49	20	51	53	54	52	57	28	29	09	62	63	64	99	29	

Table 5. Bed Untarp (Both Preformed Beds and Beds Listed/Disk Hilled at the Time of Application) Buffer Zone Distances (in Feet)

		160	75	100	150	197	293	333	373	507	640	753	810	867	950	1033	1100	1167	1287	1343	1400	1440	1480	1523	1567	1767	1917	2067	2150	2233	2267	2300
		150	09	94	139	184	275	313	350	475	009	902	759	813	891	696	1031	1094	1206	1259	1313	1350	1388	1428	1469	1656	1797	1938	2016	2094	2125	2156
t)		140	50	88	130	172	257	292	327	443	999	629	602	758	831	904	696	1021	1126	1175	1225	1260	1295	1333	1371	1546	1677	1808	1881	1954	1983	2013
reet)	f	130	40	81	121	160	238	271	303	412	520	612	859	704	772	840	894	948	1045	1001	1138	1170	1203	1238	1273	1435	1557	1679	1747	1815	1842	1869
es (III	⊢	120	25	75	112	148	220	250	280	380	480	565	809	650	713	775	825	875	965	1008	1050	1080	1110	1143	1175	1325	1438	1550	1613	1675	1700	1725
Distances	f	110	25	25	73	121	193	229	265	349	433	520	999	613	899	723	9//	830	868	876	856	1000	1043	1090	1138	1250	1340	1430	1479	1528	1586	1645
e Dis		100	25	25	09	95	165	208	250	318	385	475	525	575	623	029	728	785	830	848	865	920	975	1038	1100	1175	1243	1310	1345	1380	1473	1565
Zone		06	25	25	59	93	160	198	235	285	335	425	475	525	576	879	619	730	778	662	820	873	925	696	1013	1068	1149	1230	1255	1280	1363	1445
Битег		80	25	25	58	06	155	188	220	253	285	375	425	475	530	585	630	675	725	750	775	825	875	006	925	096	1055	1150	1165	1180	1253	1325
on)		70	25	25	45	92	105	148	190	223	255	325	378	430	481	533	570	809	650	629	708	743	778	815	853	915	974	1033	1056	1080	1164	1248
Application)		09	25	25	33	40	55	108	160	193	225	275	330	385	433	480	510	540	575	809	640	099	680	730	780	870	893	915	948	086	1075	1170
	$\overline{}$	50	25	25	25	25	25	88	150	183	215	240	278	315	350	385	418	450	490	533	575	613	650	899	685	775	805	835	855	875	925	975
ne or	(acres	40	25	25	25	25	25	55	85	120	155	215	240	265	293	320	350	380	435	455	475	513	550	565	580	625	650	675	720	765	778	790
	Size	35	25	25	25	25	25	43	09	100	140	200	225	250	268	285	318	350	400	418	435	460	485	510	535	575	009	625	645	665	708	750
מנ נו	2	30	25	25	25	25	25	25	25	63	100	150	183	215	233	250	280	310	350	365	380	415	450	468	485	540	553	595	578	590	633	675
, liled	8	25	25	25	25	25	25	25	25	53	80	125	155	185	203	220	238	255	310	330	350	368	385	405	425	440	463	485	508	530	555	580
ISK F	Applic	20	25	25	25	25	25	25	25	25	25	95	123	150	168	185	200	215	250	268	285	303	320	335	350	385	393	400	418	435	460	485
Listed/Disk Hilled at the Time		15	25	25	25	25	25	25	25	25	25	45	89	06	115	140	153	165	200	213	225	243	260	273	285	315	328	340	358	375	418	460
		10	25	25	25	25	25	25	25	25	25	25	25	25	53	80	86	115	130	145	160	173	185	198	210	225	238	250	268	285	305	325
peds		6	25	25	25	25	25	25	25	25	25	25	25	25	46	99	62	93	104	119	135	149	163	174	185	199	211	224	239	254	274	294
s and		∞	25	25	25	25	25	25	25	25	25	25	25	25	39	53	61	70	78	94	110	125	140	150	160	173	185	198	210	223	243	263
e	L	7	25	25	25	25	25	25	25	25	25	25	25	25	32	39	43	48	51	89	85	101	118	126	135	146	159	171	181	191	211	231
med		9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	43	09	78	95	103	110	120	133	145	153	160	180	200
retor	L	w	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	39	53	89	82	88	95	104	115	126	133	140	157	175
otn F	L	4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	36	46	59	69	74	80	88	86	107	114	120	134	150
Bed Untarp (Both Preformed B		3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	32	39	49	99	59	65	72	80	88	94	100	111	125
Untal	L	7	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	32	40	43	45	50	56	63	69	75	80	88	100
ped		1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		25	25	30	30	30	35	40	45	50	55	09	65	75
ი		gal	6	10	11	12	13	14	15	17	18	19	21	22	23	24	5 6	27	29	30	31	32	33	35	36	37	39	40	41	45	44	45
aple								(V /	ancı	oro	l su	alla	D) a	Rate	[uo	des	ilqq	IA 1	uəle	sviu	Ed	cssi	pro	Br								

Buffer for Compacted Untarp Beds (beds listed/disk hilled and compacted at the time of application in one pass) is 25 feet.

Q1A / Telone C-35 / Amend / 07-25-17

Table 6. Broadcast Tarp Buffer Zone Distances (in Feet)

	160	5 45	50	50	50) 50) 50	55	55	55	73	93	9 127	5 167	3 227	3 253	3 280	320	1 367	1 396	3 440	4 473	5 507	9 553
	150	45	45	45	45	50	50	50	50	50	69	88	119	156	213	238	263	300	344	371	413	444	475	519
	140	40	40	40	40	45	45	45	45	45	4	82	111	146	198	222	245	280	321	347	385	414	443	484
	130	35	35	35	35	40	40	40	40	40	09	76	103	135	184	206	228	260	298	322	358	385	412	450
	120	30	30	30	30	35	35	35	35	35	55	70	95	125	170	190	210	240	275	297	330	355	380	415
	110	30	30	30	30	30	30	30	30	30	50	70	95	120	160	180	200	230	260	282	310	335	360	390
	100	25	30	30	30	30	30	30	30	30	45	65	88	115	145	165	185	215	241	262	290	315	335	364
	90	25	25	25	25	25	25	25	25	25	45	65	83	110	130	150	170	195	221	242	268	290	311	335
	80	25	25	25	25	25	25	25	25	25	43	61	79	26	115	136	158	179	201	222	244	265	286	306
	10	25	25	25	25	25	25	25	25	25	40	25	02	85	100	120	140	160	180	200	220	240	259	<i>Z</i> 77
	09	25	25	25	25	25	25	22	25	25	28	46	19	£L	\$8	104	122	141	159	178	961	215	231	248
	50	25	25	25	25	25	25	25	25	25	32	39	46	53	09	78	95	113	130	148	165	183	198	213
Acres	40	25	25	25	25	25	25	25	25	25	30	30	31	33	35	51	68	84	101	117	134	150	164	179
Size (35	25	25	25	25	25	25	25	25	25	25	30	30	30	30	45	59	74	68	103	118	133	147	161
3lock	30	25	25	25	25	25	25	25	25	25	25	25	25	25	25	38	51	64	92	68	102	115	129	144
ation I	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	36	46	57	89	62	68	100	112	124
Application Block Size (Acres	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	34	42	51	59	89	92	85	24	104
A	15	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	34	38	42	46	51	55	64	73
	10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	34	42
,	6	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	32	39
	8	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	35
	7	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	32
	9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	30
	3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
•	3	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	2	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	gal	6	10	11	12	13	14	15	17	18	21	23	24	56	27	59	30	31	32	33	35	36	37	39
			(1	√/ 1 5	npo	ad s	uol	Gal) ətı	ı Kı	юіз	soile	dd√	1ua	lev	inb	H 18	gop	roa	В				

Table 6. Broadcast Tarp Buffer Zone Distances (in Feet) (continued)

gal	1	7	3	4	w	9	7		6	10	15	20 25 30	25 3	30 35	4	J	9 09	0 70	08 0	06 0	0 100	0 110	0 120	0 130	0 140) 150	160
40	25	25	25	25	25	30	35	40	46	51	82 1	113 13	135 15	158 175		193 229	9 264	4 296	6 327	7 357	7 385	5 415	5 440	0 477	7 513	3 550	587
41	25	25	25	25	25	32	39	46	52	59	91 1	122 147	\vdash	172 190		207 244	H 281	314	4 348	8 382	2 415	5 450	0 480	0 520	095 (009 (640
42	25	25	25	25	25	34	42	51	59	68	100	131 159	-	186 204		221 259	59 297	7 333	3 369	9 404	439	9 474	4 504	4 546	5 588	8 630	672
44	25	25	25	25	25	35	46	99	99	76 1	109	141 171		201 218		236 275	75 314	4 351	1 389	9 427	7 465	5 503	3 536	6 581	1 625	929	715
45	25	25	25	25	25	37			73	85	118 1	150 183		215 233	Н	250 290	0 330	0 370	0 410	0 450	0 490	0 530	0 565	5 612	5 659	90/	753
46	25	30	30	30	32	45		\vdash	83	96	129 1	161 194	\vdash	226 249	172 6	71 312	2 353	3 394	434	4 474	4 514	4 554	4 589	638	8 687	736	785
48	25	30	32	36	39	53	99	08	93	106	140	173 20	205 23	238 265	-	291 334	376	6 417	7 459	6 499	6 536	9 579	9 614	4 665	5 716	92 2	819
49	25	30	36	41	46	61	75	89	103	117	151 1	184 217	Н	249 281	\vdash	312 355	399	9 441	.1 483	3 523	3 563	3 603	3 638	8 691	1 744	198	851
20	25	32	39	46	54	89	83	98	113	128	162	196 22	228 261	61 297		333 377	7 421	1 464	4 507	7 547	7 587	7 627	7 662	2 717	7 773	828	883
51	25	34	43	52	19	92			123	139	173 2	207 240	\vdash	272 313	-	354 399	9444	4 488	8 531	1 571	1 611	1 651	1 686	6 744	4 801	828	915
53	25	36	46	57	89	28	_	117	133	149	184 2	219 251	\vdash	284 329	\vdash	374 421	21 467	7 511	1 556	<u> </u>	596 636	9/9 9	6 711	1 770	0 829	888	948
54	25	38	50	63	75	92	109	126	143	160	195 2	230 26	263 29	295 34	345 39	395 443	13 490	0 535	5 580	0 620	099 07	0 700	0 735	2 796	828	8 919	086
55	25	39	52	89	82	66	116	132	149	166	203 2	239 274	-	309 359		409 456	56 504	94 549	9 594	4 634	4 674	4 714	4 749	9 812	2 874	1 937	666
27	25	41	57	73	-	106		139	155	171	210 2	249 28	286 32	324 373		422 47	470 519	9 564	609		649 689	9 729	9 764	4 827	7 891	1 954	1018
28	25	43	61	79	-	113	129	145	161	177	218 2	258 25	298 33	338 387		436 484	33 533	3 578	8 623	3 663	3 703	3 743	3 778	8 843	3 908	3 972	1037
29	25	45	64	84	104	119	135	151	167	183	225 2	267 31	310 35	352 401		449 498	8 547	.7 592	12 637	L 677	7 717	7 757	7 792	2 858	8 924	066 1	1056
09	25	46	89	68	1111	126	142	157	173	189	233 2	276 32	321 36	366 41	415 4	463 51	512 561	1 606	16 651	1 691	731	1 771	1 806	6 874	4 941	1008	3 1075
62	25	48	71	95	118	133	148	164	179	194	240 2	286 33	333 38	381 42	429 4	476 52	526 57	576 62	1 666		706 746	98/ 9	6 82	1 889	826 6	3 1026	5 1094
63	25	90	75	100	125	140	155	170	185	200	248 2	295 34	345 39	395 4	443 49	490 5	540 590	0 635	2 680		720 760	0 800	0 835	5 905	5 974	1044	11113
64	25	51	77	103	129	144	159	174	189	204	254 3	303 35	355 40	407 453	\vdash	499 551	51 604	94 656	90/ 9		748 788	8 828	8 863	3 935	5 1007	7 1079	1150
99	25	52	62	105	132	147	163	178	193	209	260 3	311 36	365 4	419 463	\vdash	507 56	563 619	6 677	7 736	\vdash	776 816	928 9	6 891	1 965	5 1039	9 1113	3 1188
29	25	53	80	108	136	151	167	182	197	213	266 3	319 37	375 43	431 47	474 5	516 57	574 633	3 698	8 764	4 804	14 844	4 884	4 919	9 995	5 1072	2 1148	3 1225
89	25	54	82	111	139	155	170	186	202	217	272 3	326 38	385 4	444 484		524 58	586 647	7 719	9 791	1 831	1 87	1 911	1 946	6 1025	5 1104	4 1183	3 1262
69	25	54	84	113	143	159	174	190	206	221 2	278 3	334 39	395 45	456 494		533 597	199 661	1 740	0 819	H	668 658	6 636	9 974	4 1055	5 1137	7 1218	1299
71	25	55	98	116	146	162	178	194	210 2	226	284 3	342 40	405 46	468 50	505 5	541 60	9 <i>L</i> 9 609	19/ 1/61	1 847	7 887	726 7	1 967	7 1002	1086	6 1169	9 1253	3 1336
72	25	99	88	119	150	166	182	198	214	230	290 3	350 41	415 48	480 51	515 5:	250 62	620 690	0 783	3 875	-	915 955	5 995	5 1030	30 1116	6 1202	2 1288	3 1373
73	25	22	68	122	154	171	188	205	222	239	300 3	361 42	423 48	484 52	526 50	9 695	642 715	5 798	88 8	1 921	1 961	1 1001	1036	36 1123	3 1209	9 1295	1382
75	25	89	91	124	158	176	194		230 2	248	310 3	373 43	430 48	488 53	538 58	988 66	664 740	.0 814	4 888		828 828	8 1008	1043	1129	9 1216	6 1303	1390
92	25	59	93	127	161	180	199	218	237 2	256	320 3	384 43	438 49	491 54	549 66	909	989	628 29	9 894		934 974	4 1014	4 1049	1136	6 1224	4 1311	1398
77	25	09	95	130	165	185	205	225	245 2	265	330 3	395 44	445 49	495 56	560 6	625 7(708 790	0 845	.5 900		940 980	0 1020	20 1055	55 1143	.3 1231	1 1319	1407
78	30	. 1/9	100			ŀ			ŀ	ŀ									ŀ	ŀ		l				ŀ	

Table 7. Broadcast Untarp Buffer Distances (in Feet)

											A TO	Amlication Rlock	m Rlo		Size (Acres	(204											
gal	1	7	8	4	w	9	7	∞	6	10	15 2	20 25	3		5	40 50	09 (07	08	06 () 100	0 1110	0 120	0 130	0 140	150	160
6	25	25	25	25	25	25	25	,,	25	25	25 2	25 25		25 3	30 3	35 43	3 50) 63	3 75	5 85	5 95	5 105	5 115	5 125	5 134	144	153
10	25	25	25	25	25	25	25	25	25	25	25 2	25 25		25 3	38 5	50 80	0111	0 138	8 165	55 175	75 185	5 200	0 210	0 228	8 245	5 263	280
11	25	25	25	25	25	25			25	25	25 2	25 33		42 5	7 75	73 107	7 140	0 170	0 199	9 214	4 234	4 255	5 270	0 293	3 315	338	360
12	25	25	25	25	25	25	25		25	25	25 2	25 41		58 7	92	95 133	3 170	0 201	1 233	3 253	3 283	3 310	0 330	0 358	8 385	413	440
13	25	25	25	25	25	25	25			25	25 2	25 58		90 11	115 1	140 185	5 230	0 265	5 300	0 335	5 370	0 405	5 440	0 477	7 513	550	587
14	25	25	25	25	25	25	25	25	25	25	46 6	68 100	H	133 16	161 19	190 238	8 285	5 325	5 365	5 405	5 445	5 485	5 520	0 563	3 607	, 650	693
15	25	25	25	25	25	25			25	25	68 1	110 143	Н	175 20	208 2	240 290	0 340	0 385	5 430	0 470	0 510	0 550	0 585	5 634	4 683	731	780
17	25	25	25	25	25	30	33	37	41	45	95 1	145 183	\vdash	220 25	253 28	285 343	3 400	0 448	8 495	5 540	0 585	5 630	0 <i>L</i> 9 C	0 726	6 782	838	893
18	25	25	25	25	25	33	41	49	57	65 1	123 18	180 223	\vdash	265 25	298 33	330 395	5 460	0 510	0 560	0 610	099 0	0 1/10	0 755	5 818	8 881	944	1007
19	25	25	30	30	30	42	99	0/	28	98 1	158 2	218 263		307 343		380 452	2 523	3 578	8 633	3 688	8 743	3 798	8 848	8 919	686 6	1060	11131
21	25	30	30	30	32	52	\vdash	92	112 1	132 1	194 2:	257 303	\vdash	348 38	389 43	430 508	8 587	7 647	707	191 1	7 827	7 887	7 942	2 1021	21 1099	9 1178	1256
22	25	30	30	33	35	19	87 1	113 1	139 1	165 2	230 29	295 343	_	390 435		480 565	5 650) 715	5 780	0 845	5 910) 975	5 1035	5 1121	1208	3 1294	. 1380
23	25	34	43	52	19	98	1111	136 1	161	186 2	248 3(309 366	_	423 473		523 616	602 9	9 794	4 879	9 949	6 1019	6 1089	9 1154	4 1250	0 1346	5 1443	1539
24	25	41	99	72	88	112	136 1	160	184	208 2	265 32	323 389	_	455 510		999 595	92 9	8 873	3 978	8 1053	53 1128	8 1203	3 1273	3 1379	9 1485	5 1591	1697
56	25	47	69	92	114	137	160	183 2	206 2	229 2	283 33	336 412		488 548		608 717	7 826	5 951	1 1076	76 1156	56 1236	6 1316	6 1391	1 1507	7 1623	3 1739	1855
27	25	54	83	111	140	162	184 2	206 2	228 2	250 3	300 35	350 435		520 585		92 29	8 885	5 1030	30 1175	75 1260	50 1345	5 1430	0 1510	0 1636	36 1762	2 1888	2013
29	25	99	88	119	150	173	196 2	218 2	241 2	264 3	325 38	386 473		559 628		696 817	7 938	8 1079	1220	20 1310	1400	0 1490	0 1575	5 1706	1838	3 1969	2100
30	25	59	93	126	160	184	207 2	231 2	254 2	278 3	350 42	422 510		968 670		742 867	7 991	1 1128	28 1265	55 1360	50 1455	5 1550	0 1640	0 1777	77 1913	3 2050	2187
31	25	61	86	134	170	194	219 2	243 2	897	292 3	375 45	458 548		637 713		788 916	6 1044	4 1177	77 1310	1410	1510	0 1610	0 1705	5 1847	1989	9 2131	2273
32	25	64	103	141	180	205	230 2	256 2	183	306 4	400 49	494 585	_	676 755		834 966	6 1097	7 1226	26 1355	55 1460	50 1565	5 1670	0 1770	0 1918	8 2065	5 2213	2360
33	25	99	108	149	190	216	242 2	268 2	76	320 4	425 53	530 623		715 798		880 1015	5 1150	0 1275	75 1400	00 1510	1620	0 1730	0 1825	5 1977	77 2129	9 2281	2433
35	25	71	118	164	210	238	265 2	293 3	320 3	348 4	450 55	553 651		750 833		915 1040	1165	5 1314	4 1463	53 1578	78 1695	5 1810	0 1925	5 2085	35 2246	5 2406	2567
36	25	92	128	179	230	259	288 3	317 3	346 3	375 4	475 57	575 680	\vdash	785 868		950 1065	55 1180	0 1353	53 1525	25 1645	1765	5 1885	5 2005	5 2172	72 2339	9 2506	2673
37	25	78	130	183	235	268	301 3	334 3	367 4	400 5	900 (005	902 009		811 903		994 1108	1223	3 1402	1581	31 1706)6 1831	1 1956	6 2080	0 2253	53 2427	7 2600	2773
39	25	62	133	186	240	277	314 3	351 3	388 4	425 5	525 62	625 731		838 938		1038 1151	51 1265	5 1451	51 1638	38 1768	1900	0 2030	0 2160	0 2340	10 2520) 2700	2880
40	25	08	135	190	245	286	327 3	368 4	400	450 5	550 65	650 757	\vdash	864 973	73 1081	81 1194	1308	1501	1694	94 1850	50 1990	0 2130	0 2265	5 2454	54 2643	3 2831	3020
41	25	81	138	194	250	295	340 3	385 4	130 4	475 5	575 67	675 783		890 10	1008	1125 1238	1350	0 1550	50 1750	50 1910	10 2070	0 2230	0 2380	0 2578	7777	7 2975	3173
42	25	85	146	206	267	310	353 3	397 4	140 4	483 5	595 7(707 817		927 1038		1150 1283	33 1417	7 1600	00 1783	33 1943	13 2103	3 2263	3 2400	0 2600	00 2800	3000	3200
44	25	06	154	219	283	325	367 4	408 4	150 4	492 6	615 73	738 851	\vdash	963 1069		1175 1329	99 1483	3 1650	50 1817	17 1982	32 2132	2 2285	5 2425	5 2627	2829	3031	3233
45	25	76	163	23.1	300	3.40	Н	420 4	160 5	200	77	770 885	Н	1000		1200	1550	1700	1850	2000	0150	0300	02150	0.570	0200 12	2000	2000

Buffer zone distances cannot be greater than 1/2 mile (2,640 ft). If, after applying applicable credits, the buffer zone distances are still greater than 1/2 mile (2,640 ft), the application is prohibited.

Table 8. Broadcast Deep (18 Inches) Untarp Buffer Zone Distances (in Feet)

| 160 | 139 | 192 | 225 | 258 | 324 | 417 | 509 | 595 | 089 | 739

 | 797 | 862 | 927
 | 287
 | 1047 | 1167 | 1259 | 1325
 | 1391 | 1456 | 1521
 | 1615 | 1680 | 1768 | 1855
 |
|------|---|--|---|--|---|---|---|---|--
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--|--|---|--
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--|---|--|---|---
--|---|
| 150 | 131 | 180 | 211 | 242 | 304 | 391 | 478 | 558 | 638 | 693

 | 748 | 808 | 698
 | 925
 | 981 | 1094 | 1180 | 1243
 | 1304 | 1365 | 1426
 | 1514 | 1575 | 1658 | 1739
 |
| 140 | 122 | 168 | 197 | 226 | 284 | 365 | 446 | 520 | 595 | 646

 | 869 | 754 | 811
 | 863
 | 916 | 1021 | 1101 | 1160
 | 1217 | 1274 | 1331
 | 1413 | 1470 | 1547 | 1623
 |
| 130 | 113 | 156 | 183 | 210 | 263 | 339 | 414 | 483 | 553 | 009

 | 648 | 002 | 753
 | 802
 | 850 | 948 | 1023 | 1077
 | 1130 | 1183 | 1236
 | 1312 | 1365 | 1437 | 1507
 |
| 120 | 105 | 144 | 691 | 194 | 243 | 313 | 382 | 944 | 510 | 554

 | 869 | <i>L</i> 42 | 969
 | 740
 | 282 | <i>5L</i> 8 | 544 | 766
 | 1043 | 1092 | 1141
 | 1211 | 1260 | 1326 | 1681
 |
| 110 | 92 | 129 | 152 | 174 | 218 | 285 | 352 | 411 | 470 | 619

 | 895 | 219 | 599
 | 012
 | 257 | 845 | 606 | 656
 | 1008 | 1057 | 9011
 | 1171 | 1220 | 1286 | 1321
 |
| 100 | 80 | 114 | 139 | 164 | 193 | 258 | 322 | 381 | 440 | 489

 | 538 | 587 | 635
 | 680
 | 725 | 815 | 874 | 924
 | 973 | 1022 | 1071
 | 1131 | 1180 | 1246 | 1311
 |
| 06 | 29 | 66 | 117 | 134 | 168 | 230 | 292 | 351 | 410 | 459

 | 508 | 557 | 605
 | 059
 | 695 | 785 | 839 | 688
 | 938 | 286 | 1036
 | 1001 | 1140 | 1206 | 1271
 |
| 80 | 55 | 84 | 66 | 114 | 143 | 203 | 262 | 321 | 380 | 429

 | 478 | 526 | 575
 | 620
 | 999 | 755 | 804 | 854
 | 903 | 952 | 1001
 | 1051 | 1100 | 1166 | 1231
 |
| 70 | 51 | 77 | 06 | 103 | 129 | 181 | 233 | 285 | 338 | 384

 | 431 | 478 | 525
 | 999
 | 809 | 069 | 735 | 622
 | 824 | 698 | 913
 | 856 | 1003 | 1061 | 1120
 |
| 09 | 48 | 70 | 82 | 93 | 115 | 160 | 205 | 250 | 295 | 340

 | 385 | 430 | 475
 | 513
 | 550 | 625 | 999 | 705
 | 745 | 785 | 825
 | 865 | 905 | 926 | 1008
 |
| 50 | 4 | 63 | 73 | 83 | 102 | 140 | 178 | 217 | 255 | 294

 | 334 | 373 | 413
 | 445
 | 478 | 543 | 579 | 615
 | 652 | 889 | 725
 | 761 | 862 | 841 | 884
 |
| 40 | 41 | 57 | 99 | 73 | 88 | 120 | 152 | 183 | 215 | 249

 | 283 | 316 | 350
 | 378
 | 405 | 460 | 493 | 526
 | 529 | 591 | 624
 | <i>L</i> 59 | 069 | 725 | 092
 |
| 35 | 38 | 51 | 28 | 64 | 78 | 104 | 130 | 156 | 183 | 216

 | 249 | 282 | 315
 | 341
 | 368 | 420 | 450 | 481
 | 511 | 541 | 572
 | 602 | 633 | 664 | 969
 |
| 30 | 35 | 46 | 51 | 99 | <i>L</i> 9 | 88 | 108 | 129 | 150 | 183

 | 215 | 248 | 280
 | 305
 | 330 | 380 | 408 | 436
 | 464 | 491 | 519
 | 547 | 575 | 603 | 631
 |
| 25 | 33 | 40 | 4 | 48 | 99 | 71 | 87 | 102 | 118 | 148

 | 179 | 209 | 240
 | 263
 | 285 | 330 | 355 | 379
 | 404 | 429 | 453
 | 478 | 503 | 527 | 551
 |
| 20 | 30 | 35 | 38 | 40 | 45 | 55 | 9 | 75 | 85 | 114

 | 143 | 171 | 200
 | 220
 | 240 | 280 | 301 | 323
 | 344 | 366 | 387
 | 409 | 430 | 451 | 471
 |
| 15 | 30 | 30 | 32 | 33 | 35 | 9 | 45 | 50 | 55 | 11

 | 66 | 121 | 143
 | 161
 | 179 | 215 | 234 | 253
 | 272 | 291 | 310
 | 329 | 348 | 365 | 382
 |
| 10 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 40

 | 55 | 70 | 85
 | 101
 | 118 | 150 | 166 | 183
 | 199 | 216 | 232
 | 249 | 265 | 279 | 292
 |
| 6 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 38

 | 51 | 63 | 92
 | 68
 | 102 | 127 | 143 | 160
 | 176 | 193 | 209
 | | 242 | 255 | 267
 |
| 8 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 35

 | 45 | 55 | 65
 | 74
 | 2 | 104 | 120 | 137
 | 153 | 170 | 186
 | 203 | 219 | 231 | 243
 |
| 7 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 32

 | 39 | 46 | 53
 | 09
 | 19 | 81 | 26 | 114
 | 130 | 147 | 163
 | 180 | | 207 | 218
 |
| 9 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 30

 | 33 | 37 | 42
 | 46
 | 50 | 58 | 74 | 91
 | 107 | |
 | 157 | | _ | 193
 |
| S | 25 | 25 | 25 | | 25 | 25 | 25 | 25 | 25 | 25

 | 25 | 25 | 25
 | 30
 | 30 | 35 | 51 | 89
 | 84 | 101 | 117
 | 5 134 |) 150 | 5 159 | 3 169
 |
| 4 | 25 | 25 | | | 25 | 25 | 25 | 25 | 25 | 25

 | 25 | 25 | 25
 | 30
 | 30 | 33 | 45 | 57
 | 69 | 82 | 8
 | | | | 133
 |
| 3 | 25 | 25 | | | | \vdash | 25 | 25 | |

 | | | 25
 |
 | 30 | 30 | |
 | 55 | . 63 | 71
 | | | 92 | 97
 |
| 2 | 25 | 25 | | | 25 | \vdash | 25 | 25 | 25 |

 | 25 | 25 | 25
 | 25
 | 25 | 30 | |
 | 40 | |
 | 52 | 56 | 59 | 61
 |
| 1 1 | 25 | 25 | | | 3 25 | | 5 25 | 25 | 3 25 |

 | | | 3 25
 |
 | | | | 25
 | 1 25 | 25 |
 | | 5 25 | 25 | 25
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| gal | 6 | 10 | 11 | | npo | | | | |

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 | | | 33
 | 35 | 36 | 37 | 39
 |
| | 2 3 4 5 6 7 8 9 10 15 20 25 30 35 40 50 60 70 80 90 110 110 120 130 140 150 | 1 2 3 4 5 6 7 8 9 10 15 20 35 36 36 40 50 60 70 80 90 100 110 120 130 140 150 25 25 25 25 25 25 30 30 33 35 38 41 44 48 51 55 67 80 92 105 113 122 131 | 1 2 3 4 5 6 7 8 9 10 15 20 35 35 35 36 41 44 48 51 55 67 80 90 10 11 120 130 131 131 25 25 25 25 25 25 30 33 35 36 41 44 48 51 55 67 80 90 105 113 12 131 12 131 25 25 25 25 25 30 35 40 45 67 67 70 84 90 114 150 144 156 148 90 114 180 < | 1 2 3 4 5 6 7 8 9 10 15 20 35 36 40 50 60 70 80 90 10 11 120 130 140 150 25 25 25 25 25 25 25 30 35 40 44 48 51 57 64 51 67 67 70 71 84 81 70 71 84 90 114 129 144 150 183 180 183 181 183 181 181 181 182 181 | 1 2 3 4 5 6 7 8 9 10 15 30 35 36 40 60 70 80 90 10 11 120 130 130 130 130 130 35 36 40 60 70 80 90 10 11 120 130 131< | 1 2 3 4 5 6 7 8 9 10 15 30 35 35 4 6 7 80 90 10 | 1 2 3 4 5 6 7 8 9 10 15 30 35 35 40 60 70 80 90 10 12 130 140 150 140 150 140 150 140 150 140 150 | 1 2 3 4 5 6 7 8 9 10 15 30 35 4 6 7 80 90 10 | 1 2 3 4 5 6 7 8 9 10 15 30 35 36 40 50 60 70 80 90 10 15 13 13 13 14 15 14 48 51 55 67 80 90 10 10 10 10 10 10 15 13 15 13 15 13 15 13 15 | 1 2 3 4 5 6 7 8 9 10 15 30 35 40 60 70 80 90 10 11 12 130 130 140 150 150 16 150 160 170 10 10 11 120 130 140 150 130 <th< th=""><th>4 5 6 7 8 9 10 15 24 35 40 50 40 70 80 90 100 110 120 130 140 150 35 36 35
36 36 40 40 40 50 70 80 90 100 110 120 130 130 130 36 36 36 36 40 40 40 50 70 70 80 90 100 110 120 130 130 130 130 36 36 40</th><th>4 5 6 7 8 9 10 15 30 35 40 60 70 80 90 10 11 12 34 4 5 6 7 8 9 10 11 10 11 10 11 10 11 10 11 12 11 12 12</th><th>4 5 6 7 8 9 10 15 30 35 40 60 70 80 90 100 110 120 130 140 150 10 100 110 120 130 140 150</th><th>4 5 6 7 8 9 10 15 3 35 4 5 6 7 8 9 10 15 6 7 8 9 10 15 3 35 35 35 4 6 7 80 90 10<!--</th--><th>4 5 6 7 8 10 15 20 35 40 70</th><th>4 5 6 7 8 9 10 15 30 35 40 70 80 90 10 10 10 11 2 4 <</th><th>4 5 6 7 8 10 15 20 33 35 4 6 7 8 9 10 15 20 7 8 9 10 15 20 30 30 33 33 4 4 4 9 10 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10</th><th>4 5 6 7 8 9 10 12 3 4 8 9 10 12 3 4 8 9 10 12 3 3 3 3 3 3 3 4 4 8 10 40 <th< th=""><th>4 5 6 7 8 9 10 15 35 4 8 9 10 15 36 4 8 9 10 15 36 40 10</th><th>4 5 6 7 8
 9 10 15 30 35 40 50 40 50 40 50 40 50 40 50 40<</th><th>4 5 6 7 8 9 10 15 35 4 5 6 7 8 9 10 15 4 6 7 8 9 10 15 35 4 6 7 8 9 10 <</th><th>4 5 6 7 8 9 1 1 2 4 6 6 7 8 9 1 3 4 6 6 7 8 9 1 2 3 3 3 3 3 3 3 3 4 4 4 6 6 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 <td< th=""><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 4 6 1 1 4 6 1 1 1 1 4 8 1 2</th><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 3 3 3 3 3 3 3 4 4 4 8 10<th>4 5 6 7 8 9 16 3 3 4 6 7 8 9 16 3 4 6 7 8 9 16 13 3 4 6 16 13 3 3 3 3 4 4 4 8 15 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 4</th></th></td<></th></th<></th></th></th<> | 4 5 6 7 8 9 10 15 24 35 40 50 40 70 80 90 100 110 120 130 140 150 35 36 35 36 36 40 40 40 50 70 80 90 100 110 120 130 130 130 36 36 36 36 40 40 40 50 70 70 80 90 100 110 120 130 130 130 130 36 36 40 | 4 5 6 7 8 9 10 15 30 35 40 60 70 80 90 10 11 12 34 4 5 6 7 8 9 10 11 10 11 10 11 10 11 10 11 12 11 12 12 | 4 5 6 7 8 9 10 15 30 35 40 60 70 80 90 100 110 120 130 140 150 10 100 110 120 130 140 150
 150 150 | 4 5 6 7 8 9 10 15 3 35 4 5 6 7 8 9 10 15 6 7 8 9 10 15 3 35 35 35 4 6 7 80 90 10 </th <th>4 5 6 7 8 10 15 20 35 40 70</th> <th>4 5 6 7 8 9 10 15 30 35 40 70 80 90 10 10 10 11 2 4 <</th> <th>4 5 6 7 8 10 15 20 33 35 4 6 7 8 9 10 15 20 7 8 9 10 15 20 30 30 33 33 4 4 4 9 10 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10</th> <th>4 5 6 7 8 9 10 12 3 4 8 9 10 12 3 4 8 9 10 12 3 3 3 3 3 3 3 4 4 8 10 40 <th< th=""><th>4 5 6 7 8 9 10 15 35 4 8 9 10 15 36 4 8 9 10 15 36 40 10</th><th>4 5 6 7 8 9 10 15 30 35 40 50 40 50 40 50 40 50 40 50 40<</th><th>4 5 6 7 8 9 10 15 35 4 5 6 7 8 9 10 15 4 6 7 8 9 10 15 35 4 6 7 8 9 10 <</th><th>4 5 6 7 8 9 1 1 2 4 6 6 7 8 9 1 3 4 6 6 7 8 9 1 2 3 3 3 3
 3 3 3 3 4 4 4 6 6 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 <td< th=""><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 4 6 1 1 4 6 1 1 1 1 4 8 1 2</th><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 3 3 3 3 3 3 3 4 4 4 8 10<th>4 5 6 7 8 9 16 3 3 4 6 7 8 9 16 3 4 6 7 8 9 16 13 3 4 6 16 13 3 3 3 3 4 4 4 8 15 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 4</th></th></td<></th></th<></th> | 4 5 6 7 8 10 15 20 35 40 70 | 4 5 6 7 8 9 10 15 30 35 40 70 80 90 10 10 10 11 2 4 < | 4 5 6 7 8 10 15 20 33 35 4 6 7 8 9 10 15 20 7 8 9 10 15 20 30 30 33 33 4 4 4 9 10 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 110 10 | 4 5 6 7 8 9 10 12 3 4 8 9 10 12 3 4 8 9 10 12 3 3 3 3 3 3 3 4 4 8 10 40 <th< th=""><th>4 5 6 7 8 9 10 15 35 4 8 9 10 15 36 4 8 9 10 15 36 40 10
 10 10 10</th><th>4 5 6 7 8 9 10 15 30 35 40 50 40 50 40 50 40 50 40 50 40<</th><th>4 5 6 7 8 9 10 15 35 4 5 6 7 8 9 10 15 4 6 7 8 9 10 15 35 4 6 7 8 9 10 <</th><th>4 5 6 7 8 9 1 1 2 4 6 6 7 8 9 1 3 4 6 6 7 8 9 1 2 3 3 3 3 3 3 3 3 4 4 4 6 6 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 <td< th=""><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 4 6 1 1 4 6 1 1 1 1 4 8 1 2</th><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 3 3 3 3 3 3 3 4 4 4 8 10<th>4 5 6 7 8 9 16 3 3 4 6 7 8 9 16 3 4 6 7 8 9 16 13 3 4 6 16 13 3 3 3 3 4 4 4 8 15 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 4</th></th></td<></th></th<> | 4 5 6 7 8 9 10 15 35 4 8 9 10 15 36 4 8 9 10 15 36 40 10 | 4 5 6 7 8 9 10 15 30 35 40 50 40 50 40 50 40 50 40 50 40< | 4 5 6 7 8 9 10 15 35 4 5 6 7 8 9 10 15 4 6 7 8 9 10 15 35 4 6 7 8 9 10 10 10 10 10 10 10 10 10
 10 < | 4 5 6 7 8 9 1 1 2 4 6 6 7 8 9 1 3 4 6 6 7 8 9 1 2 3 3 3 3 3 3 3 3 4 4 4 6 6 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 <td< th=""><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 4 6 1 1 4 6 1 1 1 1 4 8 1 2</th><th>4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 3 3 3 3 3 3 3 4 4 4 8 10<th>4 5 6 7 8 9 16 3 3 4 6 7 8 9 16 3 4 6 7 8 9 16 13 3 4 6 16 13 3 3 3 3 4 4 4 8 15 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 4</th></th></td<> | 4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 4 6 1 1 4 6 1 1 1 1 4 8 1 2 | 4 5 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 4 6 7 8 9 10 15 3 3 3 3 3 3 3 3 4 4 4 8 10 <th>4 5 6 7 8 9 16 3 3 4 6 7 8 9 16 3 4 6 7 8 9 16 13 3 4 6 16 13 3 3 3 3 4 4 4 8 15 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 4</th> | 4 5 6 7 8 9 16 3 3 4 6 7 8 9 16 3 4 6 7 8 9 16 13 3 4 6 16 13 3 3 3 3 4 4 4 8 15 5 9 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 4
4 4 4 4 4 |

Buffer zone distances cannot be greater than 1/2 mile (2,640 ft). If, after applying applicable credits, the buffer zone distances are still greater than 1/2 mile (2,640 ft), the application is prohibited.

Table 8. Broadcast Deep (18 Inches) Untarp Buffer Zone Distances (in Feet) (continued)

											/A I Ib P	ALC: UNITED IN	4		- T. C. S. C	-											
	_	2	4		v.	,	2	6	10	7	`	20 25 30	30	35	40	50	09	70	08	06	100	110	120	130	140	150	160
	10		-	0	00	3	9	7		<u> </u>	Ť	1.	Ť	727	795	927	1059	1	1297	1337	1377	1417	1457	1578	1700	1821	1943
	25 (66 10	106	147 18	187 2	214 24	240 266	6 293	3 319	9 416	6 513	909	989	758	830	970	1111	1237	1363	1413	1453	1493	1533	1661	1789	1916	2044
\sim	25 (68 11	111 15	154 19	196 2	224 2	251 278	306	6 333	3 433	3 534	1 624	714	790	865	1014	1162	1295	1429	1474	1519	1564	1609	1743	1877	2011	2145
\sim	25 7	70 1	115 16	161 20	206 2	234 20	262 290	0 318	8 346	5 450	0 554	1 648	742	821	006	1057	1214	1354	1494	1539	1584	1629	1674	1814	1953	2093	2232
2		73 12	120 16	168 21	215 2	244 Z	273 302	331	1 360) 468	8 575	673	770	853	935	1100	1265	1413	1560	1605	1650	1695	1740	1885	2030	2175	2320
7	25 7	75 12	126 17	176 22	226 2	257 28	287 317	7 347	7 377	7 491	1 605	704	803	988	696	1139	1309	1452	1594	1639	1684	1729	1774	1922	2070	2218	2365
7	25 7	78 13	131 18	185 23	238 2	269 30	300 332	363	3 394	1 515	5 635	735	836	920	1004	1179	1354	1491	1629	1674	1719	1764	1809	1960	2111	2261	2412
10	25 8	81 13	137	193 24	249 2	282 3	314 347	379	9 411	1 538	8 665	292	869	953	1038	1218	1398	1530	1663	1713	1763	1813	1863	2018	2174	2329	2484
2	25 8	84 12	143 20	202 261		294 3.	328 361	395	5 429	9 562	2 695	2 798	901	284	1072	1257	1442	1570	1697	1747	1797	1847	1897	2055	2213	2371	2529
2	25 8	87 12	149 21	210 27	272 3	307 3	342 376	411	1 446	5 585	5 725	830	934	1020	1106	1296	1486	1609	1731	1781	1831	1881	1931	2092	2253	2414	2575
2	25 5	90 15	154 21	219 28	284 3	319 3	355 391	1 427	7 463	609	9 755	861	196	1054	1141	1336	1531	1648	1766	1816	1866	1916	1966	2130	2294	2458	2621
7	25 5	93 16	160 22	228 29	295 3	332 3	369 406	6 443	3 480) 633	3 785	893	1000	1088	1175	1375	1575	1688	1800	1850	1900	1950	2000	2167	2333	2500	2667
3	32 1	101	170 23	238 30	307 3	345 38	383 420	0 458	8 496	9 650	0 805	913	1021	1111	1201	1409	1617	1721	1825	1875	1925	1975	2025	2194	2363	2531	2700
S.		109	179 249		\vdash		396 435	5 473	3 511	899 1	8 825	934	1043	1135	1228	1444	1659	1755	1850	1900	1950	2000	2050	2221	2392	2563	2733
4	46 1	118 18	189 260	50 331		371 4	410 449	9 488	8 527	989 /	6 845	955	1064	. 1159	1254	1478	1701	1788	1875	1925	1975	2025	2075	2248	2421	2594	2767
5	54 1	126 19	199 271	_	344 3	383 4.	423 463	3 503	3 543	3 704	4 865	975	1086	1183	1281	1512	1744	1822	1900	1950	2000	2050	2100	2275	2450	2625	2800
9	61 1.	134 20	208 28	282 35	356 3	396 4:	437 477	7 518	8 559	722	2 885	966	1107	1207	1307	1546	1786	1855	1925	1975	2025	2075	2125	2302	2479	2656	2833
9	68 1.	143 21	218 29	293 36	368 4	409 4:	450 492	2 533	3 574	1 740	0 905	5 1017	1129	1231	1334	1581	1828	1889	1950	2000	2050	2100	2150	2329	2508	2688	2867
7	75 1.	151 22	228 30	304 38	380 4	422 4	464 506	6 548	8 590) 758	8 925	1038	1150	1255	1360	1615	1870	1923	1975	2025	2075	2125	2175	2356	2538	2719	2900
∞	82 1.	159 23	235 31	312 38	389 4	431 4	474 516	6 22	9 601	692 1	9 638	5 1057	1179	1283	1387	1641	1896	1962	6707	2094	2159	2224	2289	2480	2671	2861	3052
l ∞	89 1	166 24	243 32	320 33	397 4	440 48	483 527	7 570	0 613	3 780	0 946	5 1077	, 1207	1311	1414	1668	1921	2002	2082	2162	2242	2322	2402	2602	2802	3003	3203
9	96	174 25	251 32	328 40	406 4	449 49	493 537	7 581	1 624	1 791	1 957	1096	1236	1339	1441	1694	1947	2041	2136	2231	2326	2421	2516	2726	2935	3145	3355
1	104	181 25	259 337		414 4	459 50	503 547	.7 591	1 636	5 802	2 968	11116	1264	. 1366	1469	1721	1973	2081	2189	2299	2409	2519	2629	2848	2908	3286	3505
1	111 1	189 26	267 34	345 42	423 4	468 5	513 557	7 602	2 647	7 813	3 979	1136	1293	1394	1496	1747	1999	2121	2243	2363	2483	2603	2723	2950	3177	3404	3631
-	118 1	196 27	275 35	353 431		477 5	522 568	8 613	3 659	824	4 989	1155	1321	1422	1523	1774	2024	2160	2296	2431	2566	2701	2836	3072	3309	3545	3781
Ľ	125 2	204 28	283 361		440 4	486 5	532 578	8 624	4 670	835	5 1000	0 1175	1350	1450	1550	1800	2050	2200	2350	2500	2650	2800	2950	3196	3442	3688	3933
Ţ	129 2	208 28	287 36	366 4	446 4	493 5	541 588	8 635	5 683	853	3 1023	3 1201	1379	1479	1579	1836	2093	2243	2393	2543	2693	2843	2993	3242	3492	3741	3991
1			292 37	372 451		500 5	549 598	8 647	2 696	5 871	1 1046	6 1226	1407	1507	1607	1871	2136	2286	2436	2586	2736	2886	3036	3289	3542	3795	4048
	136 2	216 29	296 377		457 5	507 59	558 608	8 658	8 709	688 6	9 1069	9 1252	1436	1536	1636	1907	2179	2329	2479	2629	2779	2929	3079	3336	3592	3849	4105
	139 2	220 30	301 38	382 46	463 5	515 50	566 618	8 670	0 721	906	6 1091	1 1278	1464	. 1564	1664	1943	2221	2371	2521	2671	2821	2971	3121	3381	3641	3901	4161
1	143 2	224 30	306 387	H	2 091	77 002	200	07	107	, 00			L	L	L	L											

Buffer zone distances cannot be greater than 1/2 mile (2,640 ft). If, after applying applicable credits, the buffer zone distances are still greater than 1/2 mile (2,640 ft), the application is prohibited.

Buffer Zone Credits

The buffer zone distances for Telone C-35 applications may be reduced by the percentages listed below. Credits may be added, but credits cannot exceed 80%. Also the minimum buffer zone distance is 25 feet regardless of buffer zone credits available.

See www.tarpcredits.epa.gov for a list of tarps that have been tested and determined to qualify for buffer reduction credits. Only tarps listed on this website qualify for buffer reduction credits.

Reduction in Buffer Zone Distance (%)		
15	IF	potassium thiosulfate (KTS) is applied at a minimum rate of 300 lb per acre.
15	IF	1/4 to 1/2 inch of water is applied
10	IF	the organic content of the soil in the application block is >1% to 2%
20	IF	the organic content of the soil in the application block is >2% to 3%
30	IF	the organic content of the soil in the application block is >3%
10	IF	the soil temperature is measured to be 50°F or less. Record temperature measurements at the application depth or 12 inches, whichever is shallower.
10	IF	the clay content of the soil in the application block is greater than 27%.

Examples of Buffer Zone Calculations with Credits Applied

If the buffer zone is 50 feet and the application qualifies for a buffer zone credit since the soil organic content is 1.5%, then the buffer zone can be reduced by 10%, i.e., reduced by 5 feet based on the following calculation: $50 \text{ feet } - (50 \text{ feet } \times 10\%) = 45 \text{ feet}$.

If the buffer zone is 50 feet and the application qualifies for two buffer zone credits since the soil organic content is 1.5% and the clay content is greater than 27%, then the buffer zone can be reduced by 20% (10% organic content credit + 10% clay content credit), i.e., reduced by 10 feet based on the following calculation: $50 \text{ feet } \times 20\%$ = 40 feet.

Posting Fumigant Buffer Zones

- Posting of a **buffer zone** is required unless there is a physical barrier that prevents bystander access to the buffer zone.
- Buffer Zone signs must be placed along or outside the perimeter of the buffer zone, at all usual points of entry and along likely routes of approach from areas where people not under the owner's control may approach the buffer zone.
 - Some examples of points of entry include, but are not limited to, roadways, sidewalks, paths and bike trails.
 - o Some examples of likely routes of approach include, but are not limited to, the area between a buffer zone and a roadway, or the area between a buffer zone and a housing development.
 - o When posting, the certified applicator supervising the application must ensure compliance with all local laws and regulations.
- Buffer Zone signs must meet the following criteria:
 - The printed side of the sign must face away from the application block toward areas from which people could approach.
 - Signs must remain legible during the entire posting period and must meet the general standards outlined in the WPS for sign size, text size and legibility (see 40 CFR §170.120).
 - o Signs must be posted no sooner than 24 hours prior to the start of the application and remain posted until the buffer zone period has expired.
 - o Signs must be removed within 3 days after the end of the buffer zone period.

- o Buffer Zone signs which meet the criteria above will be provided at points of sale for applicators to use. Templates may be downloaded from
 - http://www.epa.gov/pesticides/reregistration/soil_fumigants/index.htm.
- o The Buffer Zone signs must contain the following information:
 - The "Do Not Walk" symbol
 - DO NOT ENTER/NO ENTRE
 - Chloropicrin/1,3-dichloropropene Telone C-35 Fumigant BUFFER ZONE
 - Contact information for the certified applicator in charge of the fumigation.

Exception: If multiple contiguous blocks are fumigated within a 14-day period, the entire periphery of the contiguous blocks' buffer zones may be posted. Buffer Zone signs must be posted no sooner than 24 hours prior to the start of the first application. The signs must remain posted until the last buffer zone period expires and signs must be removed within 3 days after the buffer zone period for the last block has expired.

Restrictions for Difficult to Evacuate Sites

Difficult to evacuate sites are pre-K to grade 12 schools, state licensed daycare centers, nursing homes, assisted living facilities, hospitals, in-patient clinics, and prisons.

- No fumigant application with a buffer zone greater than 300 feet is permitted within 1/4 mile (1320 feet)
 of difficult to evacuate sites unless the site is not occupied by children from state-licensed day care
 centers, students (pre-K to grade 12), patients, or prisoners during the application and the 36-hour
 period following the start of the application.
- No furnigant application with a buffer zone of 300 feet or less is permitted within 1/8 mile (660 feet) of
 difficult to evacuate sites unless the site is not occupied by children from state-licensed day care
 centers, students (pre-K to grade 12), patients, or prisoners during the application and the 36-hour
 period following the end of the application.

Emergency Preparedness and Response Measures

If the buffer zone is 25 feet, then the *Emergency Preparedness and Response Measures* are not applicable.

Triggers for Emergency Preparedness and Response Measures

The certified applicator must either follow the directions under the *Fumigant Site Monitoring* section or follow the directions under the *Response Information for Neighbors* section if:

- the buffer zone is greater than 25 feet but less than or equal to 100 feet, and there are residences or businesses within 50 feet from the outer edge of the buffer zone, or
- the buffer zone is greater than 100 feet but less than or equal to 200 feet, and there are residences or businesses within 100 feet from the outer edge of the buffer zone, or
- the buffer zone is greater than 200 feet but less than or equal to 300 feet, and there are residences or businesses within 200 feet from the outer edge of the buffer zone, or
- the buffer zone is greater than 300 feet or the buffer zones overlap, and there are residences or businesses within 300 feet from the outer edge of the buffer zone.

Fumigant Site Monitoring

NOTE: Fumigant Site Monitoring is ONLY required if the Emergency Preparedness and Response Measures are triggered AND directions from the Response Information for Neighbors section are not followed.

From the start of the application until the buffer zone period expires, a certified applicator or handler(s) under his/her supervision must:

• Monitor for sensory irritation in areas between the buffer zone outer perimeter and residences and businesses that trigger this requirement.

- Monitoring for sensory irritation must begin in the evening on the day of application and continue until
 the buffer zone period expires. Monitor a minimum of 8 times during the buffer zone period, including
 these periods:
 - o 1 hour before sunset,
 - o during the night,
 - o 1 hour after sunrise, and
 - o during daylight hours.

Implement the emergency response plan immediately if a handler monitoring experiences sensory irritation.

Handlers performing fumigant site monitoring tasks outside of the buffer zone are not required to wear an air-purifying respirator.

Response Information for Neighbors

NOTE: Response Information for Neighbors is ONLY required if the Emergency Preparedness and Response Measures are triggered AND directions from the Fumigant Site Monitoring section are not followed.

The certified applicator supervising the application must ensure that residences and businesses that trigger the requirement have been provided the response information at least 1 week before the application starts. The information provided may include application dates that range for no more than 4 weeks. If the application does not occur when specified, the information must be delivered again.

Information that must be included:

- The location of the application block.
- Fumigant(s) applied including the active ingredient, name of the fumigant product(s), and the EPA Registration number.
- Contact information for the applicator and property owner.
- Time period in which the application is planned to take place (must not range more than 4 weeks).
- Early signs and symptoms of exposure to the fumigant(s) applied, what to do, and who to call if you believe you are being exposed (911 in most cases).
- How to find additional information about fumigants.

The method used to share the response information for neighbors can be accomplished through mailings, door hangers, or other methods that will effectively inform the residences and businesses within the required distance from the edge of the buffer zone.

Notice to State and Tribal Lead Agencies

If your state and/or tribal lead agency requires notice, information must be provided to the appropriate state or tribal lead agency prior to the application. Please refer to www.epa.gov/fumigantstatenotice for a list of states and tribal lead agencies that require notice and information on how to submit the information.

The information that must be provided to state and tribal lead agencies includes the following:

- Location of the application blocks,
- Fumigant(s) applied including EPA registration number,
- Applicator and property owner contact information, and
- Time period that fumigation may occur.

Emergency Response Plan

The certified applicator must include in the FMP a written emergency response plan that identifies:

- · Evacuation routes,
- · Locations of telephones,
- Contact information for first responders and local/state/federal/tribal personnel, and

- Emergency procedures/responsibilities (e.g., adding water to the field, repairing tarps, fixing equipment, evacuating upwind) if:
 - o there is an incident,
 - o sensory irritation is experienced outside of the buffer zone, and/or
 - o there are equipment/tarp/seal failure or complaints, or other emergencies.

Site Specific Fumigant Management Plan (FMP)

Prior to the start of the application, the certified applicator supervising the application must verify that a site-specific FMP exists for each application block. In addition, an agricultural operation fumigating multiple application blocks may format the FMP in a manner whereby all of the information that is common to all the application blocks is captured once, and any information unique to a particular application block or blocks is captured in subsequent sections.

The FMP must be prepared by the certified applicator, the site owner, registrant, or other party.

The certified applicator supervising the application must verify in writing (sign and date) that the site-specific FMP(s) reflects current site conditions before the start of application.

Each site specific FMP must contain the following elements:

Certified Applicator Supervising the Application

- o Name.
- o Phone number,
- o Pesticide applicator license and/or certificate number,
- o Specify if commercial or private applicator,
- o Employer name,
- o Employer address, and
- o Date and location of completing EPA approved soil fumigant training program.

• General Site Information

- Application block location (e.g., county, township-range-section quadrant), address or global positioning system (GPS) coordinates
- Verify if 1,3-dichloropropene has been used on this application block in the previous two years
- Confirm that there will be no occupied structures within 100 feet of the application block during the 7 consecutive day period after the application is complete
- Name, address, and phone number of application block owner
- o Map, aerial photo, or detailed sketch showing
 - · application block location
 - · application block dimensions
 - · buffer zone dimensions
 - · property lines
 - roadways
 - · rights-of-ways
 - sidewalks
 - · permanent walking paths
 - bus stops
 - wells
 - karst topography
 - nearby application blocks
 - surrounding structures (occupied and non-occupied)
 - locations of Buffer Zone signs, and
 - locations of difficult to evacuate sites with distances from the application block labeled.

• General Application Information

- Target application date/window,
- o Fumigant Product Name, and
- o EPA registration number.

• Tarp Plan (if tarp is used)

- o Schedule for checking tarps for damage, tears, and other problems,
- o Minimum size of damage that will be repaired,
- o Factors used to determine when tarp repair will be conducted,
- o Equipment/methods used to perforate tarps,
- o Target dates for perforating tarps, and
- o target dates for removing tarps.

Soil Conditions

- o Description of soil texture and moisture in application block,
- o Method used to determine soil moisture, and
- Soil temperature measurement if air temperatures were above 100°F in any of the 3 days prior to the application.

Buffer Zones

- o Application method,
- o Injection depth,
- o Application rate from lookup table on label,
- o Application block size from lookup table on label,
- o Credits applied and measurements taken (if applicable),
 - Tarp brand name, lot number, thickness, manufacturer, batch number, and part number
 - Potassium thiosulfate
 - Water seal
 - · Organic matter content
 - Clay content
 - Soil temperature
- o Buffer zone distance, and
- Description of areas in the buffer zone that are not under the control of the owner of the application block. If buffer zones extend onto areas not under the control of the owner, attach the written agreement and keep it with the FMP.
- Record Emergency Response Plan as described in the *Emergency Response Plan* section.

• Posting of Fumigant Treated Area and Buffer Zone

- o Person(s) who will post and remove (if different) Fumigant Treated Area and Buffer Zone signs, and
- Location of Buffer Zone signs.

• Emergency Preparedness and Response Measures (if Applicable):

- Fumigant site monitoring (if applicable):
 - When and where it will be conducted
- o Response information for neighbors (if applicable):
 - List of residences and businesses informed,
 - Name and phone number of person providing information, and
 - Method of providing the information.
- State and/or tribal lead agency advance notification (if state and/or tribal lead agency requires notice, provide a list of contacts that were notified and date notified).
- Plan describing how communication will take place between the certified applicator supervising the application, the owner, and other on-site handlers (e.g., tarp perforators/removers, irrigators) for

complying with label requirements (e.g., buffer zone location, buffer zone start and end times, timing of tarp perforation and removal, PPE).

- o Name and phone number of persons contacted by the certified applicator, and
- o Date contacted.

Handler (Including Certified Applicators) Information and PPE

- o Names, addresses and phone numbers of handlers
- o Names, addresses and phone numbers for employers of handlers
- o Tasks that each handler is authorized and trained to perform
- o Date of PPE training for each handler
- o Applicable handler PPE including:
 - Long-sleeved shirts/long pants, shoes, socks
 - Chemical-resistant apron
 - Chemical-resistant footwear
 - Protective eyewear (not goggles)
 - Chemical-resistant gloves
 - · Chemical-resistant suit
 - Chemical-resistant headgear
 - Air-purifying respirators
 - Respirator make, model, type, style, size, and cartridge/canister type
 - SCBAs
 - o Respirator make, model, type, style, size
 - Other PPE
- o For handlers: Confirmation of receipt of Fumigant Safe Handling Information.
- For certified applicator(s) supervising the application: Completion date and location of the soil fumigant training program listed on the following EPA web site http://www.epa.gov/fumiganttraining for the active ingredient(s) in this product.
- o For handlers designated to wear respirators (air-purifying respirator or SCBA):
 - date of medical qualification to wear a respirator,
 - date of respirator training, and
 - date of fit testing for the respirator.
- o Unless exempted in the Protection of Handlers section, verify that:
 - handlers have the appropriate respirators and cartridges/canisters during handler activities, and
 - the employer has confirmed that the appropriate respirator and cartridges/canisters are immediately available for each handler who will wear one.
- If using an enclosed cab in lieu of wearing an air-purifying respirator, verify that the cab:
 - o Has positive pressure (6 mm H₂O Gauge).
 - Has a minimum air intake flow of 43 m³/hour.
 - Is equipped with activated charcoal filter-media containing no less than 1000 grams of activated charcoal.
 - Document the application hours of the filter to confirm that the filter has been used for no more than 50 hours of application time.
 - In addition document that the ventilation system has been maintained according to manufacturer's instructions.

Air Monitoring Plan

- If sensory irritation is experienced, indicate whether operations will cease or operations will continue with use of an air-purifying respirator
- o For monitoring the breathing zone:
 - Representative handler tasks to be monitored,
 - Monitoring equipment to be used, and
 - Timing of monitoring.

Good Agricultural Practices (GAPs)

- o Identify (e.g., list, attach applicable label section) applicable mandatory GAPs.
- Pesticide Product Labels and Material Safety Data Sheets (MSDS)
 - o Ensure that labels and MSDS are on-site and readily available for employees to review.

Recordkeeping Procedures

The owner of the application block as well as the certified applicator supervising the application must keep a signed copy of the site-specific FMP for 2 years from the date of the application.

For situations where an initial FMP is developed and certain elements do not change for multiple application blocks (e.g., applicator information, certified applicator, handlers, recordkeeping procedures, emergency procedures) only elements that have changed need to be updated in the site-specific FMP provided the following:

- The certified applicator supervising the application has verified that those elements are current and applicable to the application block before it is fumigated.
- Recordkeeping requirements are followed for the entire FMP (including elements that do not change).

The certified applicator must make a copy of the FMP immediately available for viewing by handlers involved in the application. The certified applicator or the owner of the application block must provide a copy of the FMP to any local/state/federal/tribal enforcement personnel who request the FMP. In the case of an emergency, the FMP must be made immediately available when requested by local/state/federal/tribal emergency response and enforcement personnel. The certified applicator supervising the application must ensure the FMP is at the application block during all handler activities.

Within 30 days after the application is complete, the certified applicator supervising the application must complete a Post-Application Summary.

Post-Application Summary

The Post-Application Summary must contain the following elements:

- Actual date and time of the application
- Application rate
- Size of application block
- Weather Conditions
 - Summary of the National Weather Service weather forecast during the application and the 48-hours after the application is complete including:
 - · wind speed, and
 - air stagnation advisory (if applicable).
 - Forecast must be checked on the day of, but prior to the start of the application, and on a daily basis during the application if the time period from the start of the application until the application is complete is greater than 24 hours.
- Tarp Damage and Repair Information (if Applicable)
 - Date of tarp damage discovery,
 - o Location and size of tarp damage,
 - Description of tarp/tarp seal/tarp equipment failure, and
 - o Date and time of tarp repair completion.
- Tarp Perforation/Removal Details (if Applicable)
 - Date and time tarps were perforated,
 - o Date and time tarps were removed, and
 - Record if tarps were perforated and/or removed early. Describe the conditions that caused early tarp perforation and/or removal.
- Complaint Details (if Applicable)

- o Person filing complaint (e.g., on site handler, person off site),
- o If off site person, name, address, and phone number of person filing complaint, and
- o Description of control measures or emergency procedures followed after complaint.
- Description of incidents, equipment failure, or other emergency and emergency procedures followed (if applicable).
- Air Monitoring Results
 - o When sensory irritation was experienced
 - Date, time, location, and handler task/activity where irritation was observed and
 - Resulting action (e.g., implement emergency response plan, cease operations, continue operations with appropriate air-purifying respirators).
 - o When using a direct read detection device:
 - Sample date(s), time(s), location(s), and concentration(s),
 - Handler task/activity monitored (if applicable), and
 - Resulting action (e.g., cease operations, continue operations with appropriate air-purifying respirators).
- Fumigant Treated Area and Buffer Zone Signs:
 - o Dates of posting and removal.
- Any Deviations From the FMP (e.g., changes in emergency response actions, changes in handler information, changes in handlers responsible for completing emergency tasks, changes in communication between certified applicator, owner, and other handlers).

Recordkeeping Procedures

The owner of the application block, as well as the certified applicator supervising the application, must keep a signed copy of the post-application summary for two years from the date of application.

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