For retail sale to and uses covered by the	<u>RESTRICTED USE PESTICIDE</u> Due To Acute Toxicity And Carcinogenicity use by certified applicators or persons under their direct supervision and only for those certified applicator's certification.
пета	Pic-Clor 60 Ilti-purpose liquid fumigant for preplant treatment of soil to control plant parasitic todes and to help manage certain soil-borne diseases and symphlyans in cropland. reenhouses or other enclosed areas and not for use in drip or other chemigation applications.
Chlorop OTHER ING	REDIENTS: .39.0% hloropropene .59.6% REDIENTS: .14% 100.0%
Contai	This product weighs 12.1 lbs./gal. @ 68°F (20°C). ns 4.7 pounds of 1,3-Dichloropropene and 7.2 pounds of Chloropicrin per gallon. EEP OUT OF REACH OF CHILDREN
D	ANGER PELIGRO
IN ALL C	POISON sted 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.) CASES OF OVEREXPOSURE, GET MEDICAL ATTENTION IMMEDIATELY. ERSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT FACILITY.
	FIRST AID
I IF INHALED:	 FIRST AID Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
I IF INHALED:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably by mouth-to-mouth, if possible.
I IF ON SKIN	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
IF ON SKIN OR CLOTHING:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. 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. Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING: IF IN EYES: IF SWALLOWED:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. 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. Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice. Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

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	For retail sale to and u uses covered by the co	RESTRICTED USE PESTICIDE Due To Acute Toxicity And Carcinogenicity use by certified applicators or persons under their direct superviser artified applicator's certification.	sion and only for those
	A multi- nemator Not for use in greet ACTIVE INGRE 1,3-Dichlo Chloropicr OTHER INGRE TOTAL:	Pic-Clor 60 purpose liquid fumigant for preplant treatment of soil to control plant plant for and to help manage certain soil-borne diseases and symphlyans in a shouses or other enclosed areas and not for use in drip or other chemig	parasitic cropland. gation applications.
		ANGER E PELIGI POISON POISON d no entiende la etiqueta, busque a alguien para que se la explique a Usted en (If you do not understand the label, find someone to explain it to you in detail.	
	IN ALL CA TAKE PE	ASES OF OVEREXPOSURE, GET MEDICAL ATTENTION IMM RSON TO A DOCTOR OR TO AN EMERGENCY TREATMENT	EDIATELY. FACILITY.
	I IF INHALED:	 FIRST AID Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment a 	- · · · · · · · · · · · · · · · · · · ·
area	IF ON SKIN OR CLOTHING:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minute Call a poison control center or doctor for treatment advice. 	es.
barcode	IF IN EYES:	 Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice. 	
	I IF SWALLOWED:	 Call a poison control center or doctor immediately for treatm Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison con Do not give anything by mouth to an unconscious person. 	
		ntainer or label with you when calling a poison control center or doctonation in case of an emergency, call toll free (1-800-424-9300).	or, or going for treatment.
	[See inside of EPA Reg. No. 8536-8-537 EPA Est. 53766-WA-2 [Date of Labeling: September 25, 2	Sold By: Trident Agricultural Products, Inc. P. O. Box 1909 • Woodland, WA 98674	ctions for Use.] Net Contents: 303 LBS 1210 LBS Other LBS

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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. Probable mucosal damage may contraindicate the use of gastric lavage. 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.

<u>PRECAUTIONARY</u> <u>STATEMENTS</u> HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Hazardous liquid and vapor. 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 and 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. PPE constructed of saranex, neoprene, nitrile, 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 halfface 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 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 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.

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	 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. Handlers applying the fumigant with equipment that disrupts the chisel trace and seals the soil with one implement, e.g., 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, 	 USER SAFETY REQUIREMENTS 1. <u>Never Fumigate Alone</u>: It is imperative to always have an assistant and proper protective equipment in case of accidents. 2. <u>Drivers' Responsibilities</u>: 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. <u>Dispose of Contaminated Clothing</u>: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 4. <u>Clean and Maintain PPE</u>: 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. <u>Contact With Mouth</u>: Never siphon this product by mouth or use mouth to blow out clogged lines, nozzles, etc. 6. <u>Heat Illness Avoidance</u>: 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.
barcode area	 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. Handlers exposed to greater than 1.5 ppm of chloropicrin, (e.g., in 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 gloves such as barrier laminate (EVAL) or viton Chemical-resistant footwear with socks Chemical-resistant headgear A self-contained breathing apparatus (SCBA) with NIOSH approval number prefix TC-13F. 	<section-header><section-header><section-header><section-header><list-item><list-item></list-item></list-item></section-header></section-header></section-header></section-header>

ENVIRONMENTAL HAZARDS	1
 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 contamination. 	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 this labeling relieve users from complying with the requirements of the WPS. For the entry restricted period and notification requirements, see the Entry Restricted Period and Notification section of this labeling. PPE For Entry During the Entry-Restricted Period. PPE for entry that is permitted by this labeling is listed in the Personal
PHYSICAL OR	Protective Equipment (PPE) section of this labeling.
 CHEMICAL HAZARDS Combustible. Do not use or store near heat or open flame. Do not mix or allow coming in contact with oxidizing agent. A chemical reaction hazard may occur. Handle carefully! Do not drop or let container be impacted by heavy objects. An explosion hazard may occur. DIRECTIONS FOR USE Restricted Use Pesticide It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. 	READ ALL DIRECTIONS FOR USE CAREFULLY BEFORE APPLYING. READ THE ENTIRE LABEL. USE ONLY ACCORDING TO LABEL DIRECTIONS. BEFORE BUYING OR USING THIS PRODUCT, READ "LIMITED WARRANTY" AND "LIMITATION OF LIABILITY AND REMEDIES". 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. <u>Fumigant Safe Handling Information</u> : 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. <u>Application Block:</u> 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.

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	Manatee, Martin, Monroe, Okeechobee, Orange,	practices such as post-harvest destruction of crop residues,	
	Osceola, Palm Beach, Pasco, Pinellas, Polk, Sarasota,	weed control or other cultural practices, and use of	
	Seminole, St. Lucie, Sumter, and Volusia. For all other	nematode resistant crop varieties that may aid in reducing	1
	Florida counties, follow the label affixed to the product	crop losses from soil borne pests.	
	container for Pic-Clor 60. Use Pic-Clor 60 only on soils that have a relatively 	Use Precautions	
	shallow hard pan or soil layer restrictive to	Recontamination Prevention	1
	downward water movement (such as spodic	Pic-Clor 60 will help manage certain soil borne pests	- i
	horizon) within six feet of the ground surface and are	that are present in the soil treatment zone at time of	1
	capable of supporting seepage irrigation regardless	fumigation. It will not control pests that are introduced into	
	of irrigation method employed.	soil after fumigation. To avoid reinfestation of treated soil	1
	o Use standard chisel injection equipment to inject	do not use irrigation water, transplants, seed pieces, or	
	Pic-Clor 60 as deep as possible without placing	equipment that could carry soil borne pests from infested	
I	the fumigant directly into the shallow subsurface	land. Avoid contamination from moving infested soil onto treated beds through cultivation, movement of soil from	
	irrigation water. o Pic-Clor 60 may not be applied within 100 feet of	below the treated zone, dumping contaminated soil in	
	drinking water wells.	treated fields and soil contamination from equipment	1
I	5	or crop remains. Clean equipment carefully before	
	For Applications in California Only:	entering treated fields. Cultural practices, which provide	1
	Use the buffer zone distances specified by the California	post-harvest destruction of crop residues and weeds	
	Department of Pesticide Regulation, which are found	prior to fumigation and practices which prevent weed	1
I	at the website listed below. Additional California	infestation following fumigation and prior to planting, will	
	Department of Pesticide Regulation requirements must	help prevent recontamination.	
	also be followed, including:	Equipment Clean-Up Because Pic-Clor 60 is corrosive under certain	1
	 Additional tarp requirements 	conditions, flush all application equipment with fuel	
	 Application time restrictions 	oil, kerosene or a similar type of petroleum solvent	1
	Additional buffer zone restrictions for overlapping	immediately after use. Fill pumps and meters with new	
	buffer zones and credits	motor oil or a 50% motor oil/fuel oil mixture before storing.	
	Additional emergency preparedness and response	Do not use water. Dispose of rinsate by incorporation	
	requirements	into field just treated or by other approved means. Never	1
	The certified applicator must follow all California buffer	introduce rinsate or unused Pic-Clor 60 into surface or	
	zone requirements and California restrictions that are	underground water supplies.	
	specified at: <u>https://www.cdpr.ca.gov/chloropicrin.htm</u> .	Fertility Interactions	1
	Product Information	Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to	
	This product is a multi-purpose liquid fumigant for preplant	occur when high rates of fertilizer and fumigant are applied to	1
	treatment of soil to control nematodes, symphylans,	soils that are either cold, wet, acidic, or high in organic matter.	1
	wireworms and certain soil borne diseases in cropland. This	To avoid injury to certain crops including red beets, carrots,	1
	product, a soil fungicide and nematicide, may be applied	corn, radishes, cole crops, legumes (beans), lettuce, onions,	
	as a preplant soil treatment to control or to aid in reducing	and sugarbeets, fertilize when possible as indicated by soil	
	the damaging effects of certain soil borne diseases, such	tests made after fumigation. Use only fertilizers containing	1
	as potato scab (caused by Streptomyces scabies), soil rot	nitrates until after the crop is well established and the soil	
	(soil pox) of sweet potatoes, Granville (bacterial) wilt, black	temperature is above 65°F. In mineral soils, do not apply	1
	root rot and black shank diseases of tobacco, Verticillium	more than $\frac{2}{3}$ of the nitrogen requirements from fertilizers containing ammonium salts until the crop is well established	
	wilt of mint, pink root of onions, and pod rot of peanuts. This product also controls plant parasitic nematodes, such as	and soil temperature is above 65°F. To avoid ammonia	1
	root-knot, root lesion, citrus, cyst formers (golden, sugar	injury or nitrate starvation (or both) to crops grown on high	
2	beet, soybean), burrowing, lance, reniform, ring, spiral,	organic soils, do not use fertilizers containing ammonium	
	sting, pin, stubby root, stylet, dagger and certain others, as	salts. When using high rates of Pic-Clor 60 as required by	1
	well as symphylans (garden centipedes) and wireworms.	certain state nursery regulations, liming of highly acid soils	
	Before fumigation, soil sampling for the type and number	before fumigation may stimulate nitrification and reduce the	
	of pests present is recommended. In fields where pre-	possibility of ammonia toxicity. Certain nursery crops such	
	treatment soil samples indicate the presence of high	as citrus seedlings, <i>Cornus</i> sp., <i>Crataegus</i> sp., spruce, and	1
	population levels of nematodes, a successful fumigation	vegetable crops such as cauliflower have shown evidence of phosphorus deficiency following fumigation. To avoid this	
	cannot be expected to eradicate entire populations.	possible effect, additional phosphate fertilizer (foliar applied)	
1	Therefore, post-treatment sampling is recommended to determine the need for additional pest management	is recommended where experience indicates a deficiency	1
	practices. Consult State Agricultural Experiment Station	may occur.	1

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	Certified Applicator Training	Protection for Handlers
	 Any certified applicator supervising a soil fumigant application must have successfully completed one of the soil fumigant training programs listed on the following EPA website https://www.epa.gov/soil-fumigants/soil-fumigant-training-certified-applicators for the active ingredient(s) in this product. The training must be completed in the time frames listed on the website. The FMP must document the date and location where the soil fumigant training program was completed. 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 170). 	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 sight 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 or confirm that minimum and the share ceived Fumigant Safe Handling Information in a manner that he/she can understand. Fumigant Safe Handling Information will be provided where this product is
barcode area	 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 are not perforated and removed during those 14 days. NOTE: see <i>Tarp Perforation and/or Removal</i> section on this labeling for requirements about when tarps are allowed to be perforated. 	 purchased or at <u>https://www.epa.gov/soil-fumigants/</u><u>soil-fumigant-training-certified-applicators</u>. 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 labeling are: excluded from the buffer zone during the buffer zone period (see buffer zone exemption for transit on roadways in <i>Buffer Zone Requirements</i> 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
	Handlers do not include local, state, or federal officials performing inspection, sampling, or other similar official duties.	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.
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Providing, Cleaning, and Maintaining PPE:	Air Monitoring Posuiromonto
The employer of any handler (as stated in this label) must	Air Monitoring Requirements,
make sure that all handlers are provided and correctly	Respiratory Protection,
wear the required PPE. The PPE must be cleanedand maintained as required by the Worker Protection	and Stop Work Triggers
Standard for Agricultural Pesticides.	Air Monitoring RequirementsWhen air-purifying respirators (full facepiece or
Air Purifying Respirator Availability:	gas mask) are worn, air monitoring samples for
The employer of any handler must confirm that an air-	chloropicrin must be collected at least every 2 hours
purifying respirator and appropriate cartridges/canisters	in the breathing zone of a handler performing a
of the type specified in the <i>PPE</i> section of this labeling	representative handling task.When breathing zone samples are required, they must
are immediately available for each handler who will wear one (see <i>Respirator Fit Testing, Medical Qualification,</i>	be taken outside respiratory protection equipment and
and Training section for additional requirements).	within a 10-inch radius of the handler's nose and mouth.
Exception: Air-purifying respirators do not need to be	When using devices to monitor air concentration levels,
made available for handlers performing fumigant site	a direct read detection device, such as an electronic device or a colorimetric device (e.g., Matheson-
 monitoring tasks outside of the buffer zone. Cartridges or canisters must be replaced when odor or 	Kitagawa, Draeger, or Sensidyne) must be used. The
sensory irritation from this product becomes apparent	devices must have sensitivity of at least 0.15 ppm
during use, if the measured concentration of chloropicrin	for chloropicrin. Persons using direct read detection devices must follow the manufacturer's directions.
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	1. Handlers Wearing Half-Face Air-Purifying Respirators
Training:	(Handlers are required to start work in half-face air-
Using a program that conforms to OSHA's requirements	purifying respirators.)
(see 29 CFR Part 1910.134), employers must verify that any handler who uses a respirator is:	The Air Monitoring Requirements section above must be followed.
 Fit-tested and fit-checked, 	 If at any time any handler experiences sensory
Trained, and	irritation (tearing, burning of the eyes or nose) while
Examined by a qualified medical practitioner to ensure	wearing a half-face respirator then either: o (OPTION 1) An air-purifying respirator (full
 physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician 	facepiece or gas mask) must be worn by all
or other licensed health care professional who will	handlers who remain in the application block or
evaluate the ability of a worker to wear a respirator.	surrounding buffer zone, or
The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart	 o (OPTION 2) Operations must cease and handlers not wearing air-purifying respirators (full facepiece
condition) that would be problematic for respirator use.	or gas mask) must leave the application block and
If concerns are identified, then additional evaluations,	surrounding buffer zone.
such as a physical exam, might be necessary. The initial evaluation must be done before respirator use	For OPTION 1 [all handlers are wearing air-purifying
begins. Handlers must be reexamined by a qualified	respirators (full facepiece or gas mask)] a) Handlers can resume operations wearing half-face air-
medical practitioner if their health status or respirator	purifying respirators if all of the following conditions exist:
 style or use-conditions change. Upon request by local/state/federal/tribal enforcement 	o Two consecutive chloropicrin breathing zone
personnel, employers must provide documentation	samples taken at the handling site at least 15
demonstrating how they have complied with these	minutes apart must be less than 0.15 ppm, and o Handlers do not experience sensory irritation.
requirements.	o During the collection of air samples an air-purifying
I	respirator (full facepiece or gas mask) must be worn
I	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
I	must cease and handlers must be removed from the
I	application block and surrounding buffer zone.
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	i. Handlers can resume operations wearing half-	3. Handlers Applying the Fumigant with Equipment	I
	face air-purifying respirators if all of the following conditions exist:	That Disrupts the Chisel Trace and Seals the Soil	
	Two consecutive chloropicrin breathing zone	with One Implement, e.g., a Yetter Applicator (Not Applicable in California)	1
	samples taken at the handling site at least 15	(Handlers applying the fumigant with equipment that	1
	minutes apart must be less than 0.15 ppm,	disrupts the chisel trace and seals the soil with one	1
	 Handlers do not experience sensory irritation, 	implement, e.g., a Yetter Applicator are not required to	
	and	start work in half-face air-purifying respirators.)	
	Cartridges/canisters have been changed.	The Air Monitoring Requirements section above must	1
	During the collection of air samples an air- purifying respirator (full facepiece or gas	be followed.If at any time any handler experiences sensory irritation	i.
	mask) must be worn by the handler taking the	(tearing, burning of the eyes or nose) then either:	1
	air samples. Samples must be taken where	o (OPTION 1) An air-purifying respirator (full	
	the sensory irritation was first experienced or	facepiece or gas mask) must be worn by all	
	where sample(s) were greater than or equal	handlers who remain in the application block or	1
	to 1.5 ppm.	surrounding buffer zone, or	1
	For OPTION 2 (Operations ceased)	 OPTION 2) Operations must cease and handlers not wearing an air-purifying respirator (full facepiece 	
	a) Handlers can resume operations wearing half-face	or gas mask) must leave the application block and	1
	air-purifying respirators if all of the following conditions exist:	surrounding buffer zone.	1
	o Two consecutive chloropicrin breathing zone	For OPTION 1 [all handlers are wearing air-purifying	1
	samples taken at the handling site at least 15	respirators (full facepiece or gas mask)]	1
	minutes apart must be less than 0.15 ppm, and	a) Handlers can remove air-purifying respirators (full	÷
	o Handlers do not experience sensory irritation.	facepiece or gas mask) if all of the following conditions	
	o During the collection of air samples an air-purifying	exist:	
	respirator (full facepiece or gas mask) must be worn by the handler taking the air samples. Samples	o Two consecutive chloropicrin breathing zone samples taken at the handling site at least 15	
	must be taken where the sensory irritation was first	minutes apart must be less than 0.15 ppm, and	1
	experienced.	o Handlers do not experience sensory irritation.	÷
	2. Handlers in Enclosed Cabs (Not Applicable in CA)	o During the collection of air samples an air-purifying	1
	(Handlers in enclosed cabs are not required to start work	respirator (full facepiece or gas mask) must be worn	
	in half-face air-purifying respirators if the conditions in the	by the handler taking the air samples. Samples	
	Personal Protective Equipment (PPE) section are met.)	must be taken where the sensory irritation was first experienced.	1
	The Air Monitoring Requirements section above must	b) If at any time: (1) a handler experiences sensory	1
	be followed.	irritation when wearing an air-purifying respirator (full	1
	 If at any time a handler experiences sensory irritation (tearing, burning of the eyes or nose) while in the 	facepiece or gas mask) or (2) a chloropicrin breathing	
	enclosed cab, operations must cease and handlers	zone sample is greater than or equal to 1.5 ppm,	
	must leave the application block and buffer zone.	then all handler activities must cease and handlers	1
σ	 Operations may resume in the enclosed cab provided 	must be removed from the application block and the surrounding buffer zone.	1
ממ	that:	o Handlers can resume operations without wearing	1
ט	o Two consecutive chloropicrin samples taken in the breathing zone of the handlers at the handling site	an air-purifying respirator (full facepiece or gas	
המולכת	at least 15 minutes apart must be less than 1.5 ppm,	mask) if all of the following conditions exist:	
20	o Handlers do not experience sensory irritation, and	Two consecutive chloropicrin breathing zone	1
	o The filter has been changed.	samples taken at the handling site at least 15	1
	o During the collection of air samples, an air-purifying	minutes apart must be less than 0.15 ppm, andHandlers do not experience sensory irritation.	1
	respirator (full facepiece or gas mask) must be worn	 During the collection of air samples an air- 	
	by the handler taking the air samples. Samples	purifying respirator (full facepiece or gas mask)	1
	must be taken where the sensory irritation was first experienced.	must be worn by the handler taking the air	1
	experienceu.	samples. Samples must be taken where the	1
		sensory irritation was first experienced or where	
	I. I	sample(s) were greater than or equal to 1.5 ppm.	
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	[Booklet Copy Area: 6.0" x 8.125"]		٦
	o Handlers can resume operations with wearing an	• If tarps are perforated within 14 days after the	I.
	air-purifying respirator (full facepiece or gas mask)	application is complete, tarp removal must not begin	1
	if all of the following conditions exist:	until at least 2 hours after tarp perforation is complete.	1
	Two chloropicrin breathing zone samples taken at the handling site at least 15 minutes apart must	• If tarps are perforated but not removed within 14	
	be less than 1.5 ppm,	days after the application is complete, planting or transplanting must not begin until at least 48 hours	
	 Handlers do not experience sensory irritation, 	after the tarp perforation is complete.	1
	and	 If tarps are not perforated or removed within 14 days 	1
	Cartridges/canisters have been changed.	after the application is complete, planting or transplanting	
	• During the collection of air samples an air-	may take place while the tarps are being perforated.	
	purifying respirator (full facepiece or gas mask)	Each tarp panel used for broadcast application must	1
	must be worn by the handler taking the air	be perforated.	1.1
	samples. Samples must be taken where the	 Tarps may be perforated manually ONLY for the 	
	sensory irritation was first experienced or where	following situations:	1
	sample(s) were greater than or equal to 1.5 ppm.	o At the beginning of each row when a coulter blade	1
	For OPTION 2 (Operations ceased)	(or other device which performs similarly) is used	1
	a) Handlers can resume operations if all of the following	on a motorized vehicle such as an ATV. o In fields that are 1 acre or less.	
	conditions exist:	o During flood prevention activities.	1
	o Two consecutive chloropicrin breathing zone	 In all other instances tarps must be perforated (cut, 	1
	samples taken at the handling site at least 15	punched, poked, or sliced) only by mechanical methods.	1.1
	minutes apart must be less than 0.15 ppm, and	• Tarp perforation for broadcast applications must be	
	 o Handlers do not experience sensory irritation. o During the collection of air samples an air- 	completed before noon.	1
	purifying respirator (full facepiece or gas mask)	• For broadcast applications, tarps must not be	1
	must be worn by the handler taking the air	perforated if rainfall is expected within 12 hours.	1
	samples. Samples must be taken where the	• Early Tarp Removal for Broadcast Applications Only:	1
	sensory irritation was first experienced.	o Tarps may be removed before the required 5 days	1
		(120 hours) if adverse weather conditions have	1
	Tarp Perforation and/or Removal	compromised the integrity of the tarp, provided	1
	IMPORTANT: Persons perforating, repairing, removing,	that the compromised tarp poses a safety hazard. Adverse weather includes high wind, hail, or storms	
	and/or monitoring tarps are defined, within certain time	that blow tarps off the field and create a hazard,	1
	limitations, as handlers (see <i>Handlers</i> section), and	e.g., tarps blowing into power lines and onto	1
	they must be provided the PPE and other protections	roads. A <i>compromised tarp</i> is a tarp that due to an	1
	for handlers as required on this labeling and in the Worker Protection Standard for Agricultural Pesticides.	adverse weather condition is no longer performing	1
	For applications in California follow the information at	its intended function and is creating a hazard.	1
	<u>https://www.cdpr.ca.gov/chloropicrin.htm</u> . (See page 5.)	• Early Tarp Perforation during Flood Prevention	1
	 B25 tarps (see definition on page 5) used for broadcast 	Activities:	1
	applications must not be perforated until a minimum of	o Tarp perforation is allowed before the 5 days (120	1
	9 days (216 hours) have elapsed after the application	hours) have elapsed.	1
	is complete, and must not be removed until a minimum	 For Bedded Applications: Tarps must be immediately retucked and packed after tarp removal 	1
	of 1 day (24 hours) after perforation. Tarps may be	retucked and packed after tarp removal. o For Broadcast Applications: Tarps may be perforated	1
	perforated or removed earlier if Adverse weather	and/or removed prior to a major rain event, to	1
	[as defined below] has compromised the integrity of	prevent flooding.	1
6	the tarp.	. 3.	1
	 All other tarps, except B25 tarps, must not be perforated until a minimum of 5 days (120 hours) 		1
	have elapsed after the application is complete, unless		1
	a weather condition exists which necessitates early		1
	tarp perforation or removal (see <i>Early Tarp Removal</i>		1
	for Broadcast Applications Only and Early Tarp		1
	Perforation during Flood Prevention Activities for		1
	Bedded Applications Only requirements).		1
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	 dentifying Unfavorable Weather Conditions Unfavorable weather conditions block upward movement of air, which results in trapping fumigant vapors near he ground. The resulting air mass can move off-site n 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. 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. 	 or 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. <i>Bedded Applications:</i> 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. <i>Tarped Applications:</i> 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 Noble plow or other injection shank that disrupts the chisel trace disruption and soil sealing, no ther prebedders may be used to disrupt the chisel trace and seal the soil. When using equipment similar to the Yetter applicator (chisel traces. <i>Tarped Applications:</i> 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 Noble plow or other injection shank that disrupts the 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. For <i>Deep Ripped Untarped Shallow Broadcast Applications</i> (Not For Use in California): The soil must 	
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• 	be covered with tarp, or soil, depending on the application	Applications (Not For Use in California). The soil must	
l s	method before making the turn for the next bass.	be sealed immediately after the fumigant application	1
		with a disk followed by a packer.	1
	Soil Temperature The minimum soil temperature at the depth of injection	Soil Moisture	1
	is 40°F.	 The soil must be moist 9 inches below the surface. 	1
- I .	For Deep Ripped Untarped Shallow Broadcast	The amount of moisture needed in this zone will vary according to soil type. Surface soil generally	
	applications (Not For Use in California): The maximum	dries rapidly and must not be considered in this	1
	soil temperature at the depth of injection must not	determination.	
	exceed 70°F at the beginning of the application. For all other applications, the maximum soil	• Soil moisture must be determined using one of the	
	temperature at the depth of injection must not exceed	following methods:	
- I	90°F at the beginning of the application.	 the USDA Feel and Appearance Method for testing (see below), or 	1
	o If air temperatures have been above 100°F	o an instrument, such as a tensiometer.	1
	in any of the three days prior to the start of	• Available water capacity must be equal to or greater	1
	the application, then soil temperature must be measured and recorded in the FMP. Record	than 50% for shank applications. If there is less than	
	temperature measurements at the application depth	50% available water capacity 9 inches below the	
	or 12 inches, whichever is shallower.	surface, the soil moisture must be adjusted. If irrigation is not available and there is adequate soil moisture	1
	Soil Sealing	below 9 inches, soil moisture can be adjusted by	1
	Broadcast Untarped Applications: Use a disc or	discing or plowing before the start of the application. To	1
	similar equipment to uniformly mix the soil to at least	conserve existing soil moisture, pretreatment irrigation	I.
- I	a depth of 3 to 4 inches to eliminate the chisel or plow	or pretreatment tillage should be done as close to the	1
1	traces. Following elimination of the chisel trace, the	start of the application as possible.Measure soil moisture at a depth of 9 inches at either	1
1	soil surface must be compacted with a cultipacker, ring roller, orchard float with a weighted/ring roller,	end of the field, no more than 48 hours prior to the	1.1
			I.
1	2	start of the application.	

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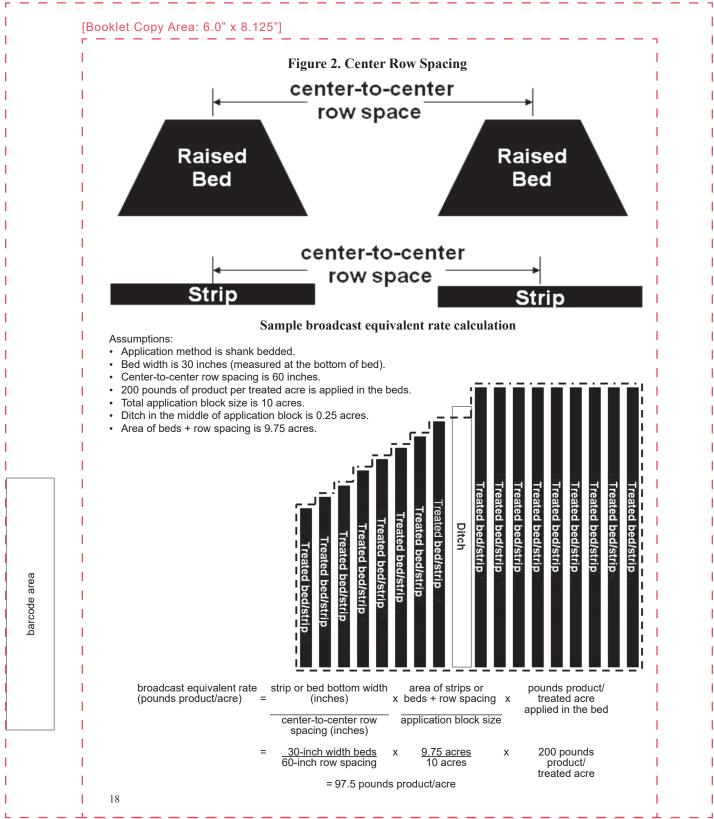
	Drevention of End Dow Onillows	a Ensure that positive pressure is maintained in	1
	 Prevention of End Row Spillage Do not apply or allow fumigant to spill onto the soil 	 Ensure that positive pressure is maintained in the compressed gas cylinder at not less than 200 	
	surface. For each injection line either have a check	psi during the entire time it is connected to the	1
	valve located as close as possible to the final injection	application rig if a compressed gas cylinder is	
	point, or drain/purge the line of any remaining fumigant	used. (This is not required for a compressed air	1
	prior to lifting injection shanks from the ground.	system that is part of the application rig because if	1
	• Do not lift injection shanks from the soil until the shut-	the compressor system fails, the application rig will	
	off valve has been closed and the fumigant has been	not be operable.)	1
	depressurized (passively drained) or purged (actively	o Ensure that application rigs are equipped with	1
	forced out via air compressor) from the system.	properly functioning check valves between the	1
	The dispensing system must shut off the feed stream when abjects are relead out of the ground	compressed gas cylinder or compressed air system	1
	when chisels are raised out of the ground.Do not stop or park near any area where dribble from	and the fumigant cylinder. The check valve is best placed on the outlet side of the pressure regulator	1
	chisel tips has fallen.	and is oriented to only allow compressed gas to	1
	• A flow shutoff device must be placed as close as is	flow out of the cylinder or compressed air out of	1
	technically feasible to the fluid discharge point. This	the compressed air system.	
	can be a ball, poppet, or diaphragm check valve, or full	o A pressure relief valve must be installed between	
	flow shutoff device such as an electric or pneumatically	the regulator and the check valve to ensure a	1
	actuated valve.	regulator failure does not overpressurize the	
	Service any system immediately if continuous drip	fumigant cylinder.	
	occurs.	o Always pressurize the system with compressed	
	• If mechanical check valves and orifices are used,	gas or by use of a compressed air system before	1
	place the check valve above the orifice. Also, isolate	opening the fumigant cylinder valve.	÷.
	the check valve from upstream pressure by installing a	 Before using a fumigation rig for the first time, or when preparing it for use after storage, the operator must 	1
	 main line shut off or bypass valve prior to the manifold. Pipe diameter from check valve to injection point must 	check the following items carefully:	
	not exceed 1/4 inches ID National Pipe Standard (NPS).	o Check the filter, and clean or replace the filter	1
	Preferably, use the smallest diameter pipe or tubing	element as required.	1
	possible which achieves the required flow rate.	o Check all tubes and chisels to make sure they are	1
	• Do not use any method of end-row spillage control	free of debris and obstructions.	
	other than that which is stated on this labeling.	o Check and clean the orifice plates and screen	1
	Alternative end-row spillage devices or methods, such	checks, if installed.	1
	as, but not limited to, micro-bore restricted flow tubing	o Pressurize the system with compressed gas or	
	or line purge systems may be used if they provide	compressed air, and check all fittings, valves, and	
	equal or superior control versus check valves.	connections for leaks using soap solution.	1
	Calibration, Set Up, Repair and Maintenance for	 Install the fumigant cylinder and connect and secure all tubing. Slowly open the compressed gas or 	1
	Application Rigs	compressed air valve and increase the pressure to	
	Brass, carbon steel, or stainless steel fittings must be	the desired level. Slowly open the fumigant cylinder	
	used throughout. Polyethylene tubing, polypropylene	valve, always watching for leaks.	1
σ	tubing, Teflon [®] tubing or Teflon [®] -lined steel braided	• When the application is complete, close the fumigant	1
area	tubing must be used for all low pressure lines, drain	cylinder valve and blow residual fumigant out of the	
a	lines, and compressed gas or air pressure lines. All	fumigant lines into the soil using compressed gas or	
ö	 other tubing must be Teflon[®]-lined steel braided. Galvanized, PVC, nylon, or aluminum pipe fittings 	compressed air. If the rig uses a centrifugal pump	1
parcode	must not be used.	instead of compressed gas to inject fumigant into	1
-	 All rigs must include a filter to remove any particulates 	the soil, you may clear residual fumigant from the	
	from the fumigant and for pressurized systems a check	fumigant lines using an application wand connected	
	valve to prevent backflow of the fumigant into the	to the system's low point via a drain hose. Place the	1
	pressurizing cylinder or the compressed air system.	wand in the soil until all residual fumigant has drained from the system. The wand and drain hose must be	i i
	Rigs must include a flowmeter or a constant pressure	free of dirt to allow proper drainage. At the end of the	
	system with orifice plates to ensure the proper amount	application season, disconnect all fumigant cylinders	
	of fumigant is applied.	from the application rig. At the end of the season, seal	1
	• To prevent the backflow of fumigant into the	all tubing openings with tape to prevent the entry of	1
	compressed gas cylinder (e.g., nitrogen, other inert gas or compressed air), if used, applicators must:	insects and dirt.	1
	gas or compressed any, it used, applicators must.		1
			1

1	[Booklet Copy Area: 6.0" x 8.125"]		-
	 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 furnigant uniformly to the soil. Refer to the manufacturer's instructions on how to calibrate your equipment. Usually the equipment manufacturer, furnigant 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 Pic-Clor 60 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 furnigation to prevent phytotoxicity, allow the furnigant to dissipate completely before planting the crop. Dissipation is usually complete when Pic-Clor 60 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 a 60% buffer zone credit are used, a longer dissipation period may be used as a bioassay to determine if Pic-Clor 60 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 furnigant application. Use a knife-like chisel without turning the soil to reduce the possibility of recontaminating the Treated soil. Dissipation is usually complete when Pic-Clor 60 is present in the soil acconcentrations sufficient to cause plant injury. Do not plant if Pic-Clor 60 is detected. 	 Bulk and Non-Bulk Containers Pic-Clor 60 must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with liquid Pic-Clor 60. All hoses, piping, and tanks used in connection with Pic-Clor 60 shall be of the type appropriate for use under the pressure and vacuum conditions to be encountered. Do not use containers, pumps or other transfer equipment made of aluminum, magnesium or their alloys, as under certain conditions 1,3-dichloropropene may be severely corrosive to such metals. 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 Pic-Clor 60 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 Pic-Clor 60 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. 	
		15	

	TABLE 1		
	R 60 PRODUCT APPL		
Сгор	Soil Type	Maximum Applicati	
		for tarp shank bed, s	
		broadcast; for untarp	
		and for untarp deep	
1		shank broadcast app	
		Gallons/	Lbs/
		treated acre	treated acre
Vegetable Crops, Field Crops,	Mineral, Muck, or	48.6	588
Fruit and Nut Crops, Nursery	Peat	Maximum Applic	
Crops ^{1, 2, 3, 4, 5}		for untarpe	
		broadcast ap	-
		Gallons/	Lbs/
		treated acre	treated acre
		24.3	294
applications except untarped shank b ⁴ For mint apply 48.6 gallons (588 lbs.) p ⁵ For burrowing nematode in citrus, inju- burrowing nematodes for 2 years befor Note: To control symphylans (garden of acre for all applications except untarped untarped shank broadcast applications wireworms, use dosage recommended Idaho, Nevada, Oregon, Utah, and Was	roduct per treated acre for a ect on 18-inch centers, 12 pre replanting citrus. centipedes), use 38.5 to 48 d shank broadcast, or 24.3 a. Apply during late Summe I for nematodes. For wirew	inches deep. Keep free of 8.6 gallons (466 to 588 lbs gallons (294 lbs.) of produ er or early Fall when the so rorm control in soils to be p	plants susceptible to .) product per treated ct per treated acre for bil is warm. To control
i T			
16			

Calculating the Broadcast Equiv	valent Appli	cation Rate	1
To calculate the broadcast equivalent rate for bedded or strip applications the following information is needed: • Pounds (or gallons) of product per treated acre • strip or bed bottom width (inches) • center-to-center row spacing (inches) • application block size (acres)	0	1. Bedded/Strij acre applicatio	
Pounds (or 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.	TREATED AREA	TREATED AREA	TREATED AREA
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.		1	
	-		ps is not treated
The "broadcast equivalent rate" must be calculated with the broadcast equivalent rate strip or b	0		pounds (or
	dth hes)	x	gallons) of product /
product / acre) = (inc	dth	x t a	gallons) of
product / acre) = (inc	dth hes) no-center ng (inches) ne bed. s shown in Fig areas that are n by (total are	x t a gure 2. not fumigated that	gallons) of product / reated acre pplied in the strip or bed
 product / acre) = (inc center-t row spaci The bed width must be measured from the bottom of th The center-to-center row spacing must be calculated a If there are any ditches, waterways, drive rows and other block, multiply the above broadcast equivalent equation 	dth hes) no-center ng (inches) ne bed. s shown in Fig areas that are n by (total are	x t a gure 2. not fumigated that	gallons) of product / reated acre pplied in the strip or bed
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 product / acre) = (inc center-t row spaci The bed width must be measured from the bottom of th The center-to-center row spacing must be calculated a If there are any ditches, waterways, drive rows and other block, multiply the above broadcast equivalent equation 	dth hes) no-center ng (inches) ne bed. s shown in Fig areas that are n by (total are	x t a gure 2. not fumigated that	gallons) of product / reated acre pplied in the strip or bed are in the application





	Buffer Zone Requirements	vacate the buffer zone during the entire buffer zone	I
	A buffer zone must be established for every fumigant	period, and	
	application. The following describes the buffer zone	Reentry by occupants and other non-handlers must	1
	requirements: An area established around the perimeter	not occur until,	1
	of each application block.	o The buffer zone period has ended, and	
	The buffer zone must extend outward from the edge of	 Sensory irritation is not experienced upon re-entry. 	
	the application block perimeter equally in all directions.	 Buffer zones must not include agricultural areas owned and/or operated by persons other than the owner of the 	1
	• All non-handlers, including field workers, residents,	application block, UNLESS:	1
	pedestrians, and other bystanders, must be excluded	1. The owner of the application block can ensure that	
	from the buffer zone during the buffer zone period	the buffer zone will not overlap with a chloropicrin	
	except for transit (see <i>Buffer Zone Exemption for Transit</i> on Roadways).	buffer zone from any other property owners, except	1
	o Local, state, or federal officials performing	as provided in the Buffer Zone Proximity section, and	1
	inspection, sampling, or other similar official duties	2. The owner of the other property provides written	
	are not excluded from the application block or the	agreement to the applicator that they, their	
	buffer zone by this labeling. The certified applicator	employees, and other persons will stay out of the	1
	supervising the application and the owner of the	buffer zone during the entire buffer zone period.	
	establishment where the application is taking place	Buffer zones must not include roadways and rights of	
	are not authorized to, or responsible for, excluding	way UNLESS:	
	those officials from the application block or the	1. The area is not occupied during the buffer zone	1
	buffer zone.	period, and 2. Entry by non-handlers is prohibited during the buffer	1
	• The buffer zone period begins at the start of the	zone period.	I
	application and lasts for a minimum of 48 hours after	Buffer Zone Exemption for Transit on Roadways	1
	the application is complete.	Vehicular and bicycle traffic on public and private	1
	Buffer zone proximity	roadways through the buffer zone is permitted.	
	Before the start of application, the certified applicator	(NOTE: Buffer zones are not permitted to include	
	must determine whether their buffer zone will overlap	bus stops or other locations where persons wait for	1
	any chloropicrin buffer zone(s).	public transit.)	
	• To reduce the potential for off-site movement from	 For all other publicly owned and/or operated areas 	
	multiple fumigated fields, buffer zones from multiple	such as parks, sidewalks, permanent walking paths,	
	chloropicrin application blocks must not overlap UNLESS:	playgrounds, and athletic fields, buffer zones must not include these areas UNLESS:	1
	1. A minimum of 12 hours have elapsed from the time	1. The area is not occupied during the buffer zone	
	the earlier application(s) is complete until the start	period,	1
	of the later application, and	2. Entry by non-handlers is prohibited during the buffer	
	2. Fumigant Site Monitoring or Response Information for Neighbors have been implemented if there are	zone period, and	1
	any residences or businesses within 300 feet of any	3. Written permission to include the public area in the	
	of the buffer zones.	buffer zone is granted by the appropriate state and/	1
		or local authorities responsible for management and operation of the area.	1
area	Structures under the control of the owner of the application	1	
0	 <u>block</u> Buffer zones must not include buildings used for storage 	Certified applicators must comply with all local laws and	
barcode	 Builer zones must not include buildings used for storage (e.g., sheds, barns, garages) UNLESS: 	regulations.	
Jar	1. The storage buildings are not occupied during the	See the Posting section for additional requirements that	1
-	buffer zone period, and	may apply.	1
	2. The storage buildings do not share a common wall		
	with an occupied structure.		Т
	Areas not under the control of the owner of the application		i.
	block		1
	 Buffer zones must not include residential areas (e.g., 		1
	employee housing, private property), buildings (e.g.,		T
	commercial, industrial), outdoor residential areas (e.g.,		1
	lawns, gardens, play areas) and other areas that people		I
	may occupy, UNLESS:		
	1. The occupants provide written agreement, prior to		1
			1
	the start of the application, that they will voluntarily	19	

	apr • E t • I	ffer blica Buffe able rega f aft buffe appli	zon er z es in rdle er a er zo	rate one this ss c pply one	ista e ar e dis a lab of si /ing is g	nce nd th star elin te-s all reat	s m ne s ices g (2 pec app er t	ize 5 fe ific lica	be of thust et is app ble	ca be the lica buff	lcul ppli bas mii tion er z	ateo icati sed nimi par	d us on l on um o ramo	bloc loo dista eter edita	k. k-up ance s). s the	9	t t	o d appr o th Appl	ete opr e ne icat	rmi iate eare	ne for est r s are	the the ate a	mir met and l ohibi	hod blocl ted f	im b of a k siz or ra	ouffe oplic e, wl tes c	er d atio nere or blo	ista n. R app ocks	nces loun ropr sizes	used s as d up iate. that es.
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		143	25	25	25	25	25	25	25	25	25	25	25	25	30	34	46	59	89	119	134	149	164	179	194	209	226	244	261	279
		152 160	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	30 37	33 49	41 64	50 80	65 94	79 108	114 142	149 176	166 198	184 221	196 236	214 258	232 279	249 298	269 323	290 348	311 373	331 397
1		168	25	25	25	25	25	25	25	25	25	25	45	64	87	110	123	136	170	203	230	258	277	302	326	348	377	406	435	463
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	Broadcast Equivalent Application Rate (lbs	277	25	37	49	61	74	90	107	123	140	156	201	245	293	340	374	408	469	529	587	645	706	766	826	884	957	1031	1104	1178
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1	Broad	311 319	25 25	42 43	58 60	74 76	90 92	107 110	124 127	141 144	158 162	174 179	227 233	280 288	331 340	381 391	426 438	470 483	539 554	608 624	677 695	745 765	814 836	883 907	951 977	1020 1048	1105 1135	1190 1222	1275 1310	1360 1397
1		328	25	45	61	78	95	113	131	148	166	184	240	295	349	401	449	496	568	641	713	785	858	930	1003	1075	1165	1255	1344	1434
		336 344	25 25	46 47	63 64	80 82	97 100	115 118	134	152	170	189 193	246 252	303 310		411 422	461 472	509 521	583 597	657 674	731 750	805 825	880 902	954 978	1029 1054	1103	1195	1287 1319	1379 1413	1470 1507
		352	30	47	66	84	100	121	137	160	175	195	252	318	376	422	472	534	612	690	768	846	902 924	1002	1034	1150	1225	1319	1415	1544
1		361 370	30 31	49 50	68	86 88	104 107	124 127	144 147	163 167	183 187	203 207	264 270	326 333	385 393	442 453	495 507	547 559	627 641	706	786 805	866	946	1026	1106	1186 1213	1284 1314	1383 1415	1482 1516	1581
1		370	31	50	69 71	88 90	107	127	147	167	187	207	270	333		453 463	507	559 572	641 656	723 739	805 823	886 906	968 990	1050 1074	1131 1157	1213	1314 1344	1415 1448	1516	1618 1654
1		386	33	53	72	92	112	133	154	175	196	217	283	348	411	473	530	585	670	756	841	927	1012	1097	1183	1268	1374	1480	1585	1691
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		412	35	56	77	98	119	141	164	186	209	231	301	371	438	504	564	623	714	805	896	987	1078	1169	1260	1351	1464	1576	1689	1801
1		420 428	36 36	57 58	79 80	100 102	121 124	144 147	167 171	190 194	213 217	236 240	307 313	379 386	447 456	514 525	576 587	636 648	729 743	821	914 933	1007 1027	1100 1122	1193 1217	1286 1311	1379 1406	1493 1523	1608 1641	1723 1758	1838 1875
1		428 437	36	58 59	80 82	102	124	147	171	194 198	217	240 245	313 319	386 394		525 535	587 599	648 661	743 758	838 854	933 951	1027	1122	1217	1311	1406 1434	1523	1641 1673	1758	18/5
1		445	38	61	83	106	129	153	177	201	225	250	326	401	474	545	610	674	772	870	969	1067	1166	1264	1363	1461	1583	1705	1827	1948
		445	38	61	83	106	129	153	177	201	225	250	326	401	474	545	610	6/4	//2	8/0	969	1067	1166	1264	1363	1461	1583	1705	1827	1948

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		6 H	219 227	25 25	25 25	25 25	25 25	25	25 25	25 25	25 25	25 25	25 25	25 25	25 50	85 103	95 113	125 143	160 180	220 230	240 253	280 300	320	348 374	375 400	438 463	500 525	542 569	583 613	625 656	667 700
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	iv a lent	alen	302 311	25 25 25	25 25 25	25 25 25	25 25 25	25	33 34 35	41 42 43	50	59 60	67	135 139 143	180 185 190	230 237 243	267 275	303 312	_	391 402	423 437 449	514 529	_	643	694 714	733	730 771 793	815 836 859	900 925	938 964 991	1000 1029 1057
	et Four	nba tsi	319	25	25	25	25 25 25	25	36	45	52 53	62	69 71	147	195	250	275 282 290	320	358	402 413 423	449 461 474	543	624	661 679	733	753 774	814	882	950	1018	1086
	Broadcast	roadca	328 336	25 25	25 25	25 25	25	30	_	46 47	55 56	64 65	72 74	150 154	201 206	256 263	297	337	368 377	434	486	557 571	641 657	696 714	752 771	794 814	836 857	905 929	_	1071	1143
	I		344 353	25 25	25 25	25 25	30 30	30 30	39 40	48 49	57 59	67 68	76 78	158 162	211 216	269 276	305 312	_	387 396	445 456	498 510	586 600	674 690	732 750	791 810	835 855	879 900	952 975	_	1125	1171 1200
			361 370	25 25	25 25	25 25	30 30	30	41 41	50 52	60 62	70 72	80 82	166 170	221 226	283 289	319 327		405 415	467 478	522 534	614 629	706 723	768 786	829 849	875 896	921 943	998 1021	1100		1229 1257
			378 386	25 25	25 25	25 25	30 30		42 43	53 54	63 64	73 75	84 85	174 177	231 237	296 302	334 342	388	424 434	489 499	546 559	643 657	756	804 821	868 887	916 936	964 986		1150		1286 1314
		4	395 403	25 25	25 25	25 25	30 30	_	44 45	55 56	66 67	77 78	87 89	181 185	242 247	309 315	349 357	396 405	443 453	510 521	571 583	671 686		839 857	906 926	977		1114	1175 1200	1286	1343 1371
	i I	4	412 420	25 25	25 25	25 30	30 30	35	46 47	57 59	69 70	80 81	91 93	189 193	252 257	322 329	364 371	413 421	462 471	532 543	595 607	700 714	805 821	875 893	945 964	1018	1071	1138 1161	1250	1313 1339	1429
]	1	4	428 437	25 25	25 25	30 30	35 35	40 40	48 49	60 61	71 73	83 85	95 97	197 201	262 267	335 342	379 386	430 438	481 490	554 565	619 631	729 743	838 854	911 929	984 1003			1184 1207	_	1366 1393	1457 1486
		4	445	25	25	30	35	40	50	62	74	86	98	204	273	348	394	447	500	575	644	757	871	946	1022	1079	1136	1230	1325	1420	1514
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l I	Tabl	e 4.	Bed I	Jntar	p (bo	th pre	form	ed be	ds an	d bed	ls liste	ed/dis	k hill	ed at	the tin	ne of	appli	cation) Buf	fer Zo	one D	istan	es in	Feet						
- i -			1			-			-					Appl	cation	Block	Size (acres)								·				
		59	1 25	2 25	3 25	4 25	5 25	6 25	7 25	8 25	9 25	10 25	15 25	20 25	25 25	30 25	35 25	40 25	50 25	60 25	70 25	80 25	90 25	100 25	110 25	120 25	130 40	140 50	150 60	160 75
		68	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	75	81	88	94	100
- I		76	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	40	65	90	93	95	121	148	160	172	184	197
- I		84 93	25 25	25 25	25 43	25 55	25 88	55 108	105 148	155 188	160 198	165 208	193 229	220 250	238 271	257 292	275 313	293 333												
1		101	25	25	25	25	25	25	25	25	25	25	25	25	25	25	60	85	150	160	190	220	235	250	265	280	303	327	_	373
		110 118	25 25	53 80	63 100	100 140	120 155	183 215	193 225	223 255	253 285	285 335	318 385	349 433	380 480	412 520	443 560	_	507 640											
		126	25	25	25	25	25	25	25	25	25	25	45	25 95	125	150	200	215	240	225	325	375	425	475	520	565	612	-	_	753
		135	25	25	25	25	25	25	25	25	25	25	68	123	155	183	225	240	278	330	378	425	475	525	566	608	658	709	759	810
- I		143 152	25 25	25 25	25 25	25 25	25 25	25 25	25 32	25 39	25 46	25 53	90 115	150 168	185 203	215 233	250 268	265 293	315 350	385 433	430 481	475 530	525 576	575 623	613 668	650 713	704 772	758 831	813 891	867 950
- I.		160	25	25	25	25	25	25	39	53	66	80	140	185	220	250	285	320	385	480	533	585	628	670	723	775	840		_	1033
1		168 177	25 25	25 25	25 25	25 25	25 25	25 25	43 48	61 70	79 93	98 115	153 165	200 215	238 255	280 310	318 350	350 380	418 450	510 540	570 608	630 675	679 730	728 785	776 830	825 875	894 948	963 1021	1031 1094	1100
- i -	Acre)	185	25	25	25	25	25	25	48	70	104	113	200	215	310	350	400	435	450 490	540	650	725	730	830	898	875 965	1045			
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1	is Pro-	202 210	25 30	32 40	39 49	46 59	53 68	60 78	85 101	110 125	135 149	160 173	225 243	285 303	350 368	380 415	435 460	475 513	575 613	640 660	708 743	775 825	820 873	865 920	958 1000	1050 1080	1138 1170			1400 1440
	Rate (lbs	219	30	43	56	69	82	95	118	140	163	185	260	320	385	450	485	550	650	680	778	875	925	975	1043	1110	1203	1295	1388	1480
1		227 235	30 35	45 50	59 65	74 80	88 95	103 110	126 135	150 160	174 185	198 210	273 285	335 350	405 425	468 485	510 535	565 580	668 685	730 780	815 853	900 925	969 1013	1038 1100	1090 1138	1143 1175	1238 1273	-	_	1523 1567
1	Application	235	40	56	72	88	104	_	146	173	199	210	315	385	440	540	575	625	775	870	915	960	1015	1175	1250		1435	_		1767
1	t App	252	45	63	80	98	115		159	185	211	238	328	393	463	553	600	650	805	893	974	1055	1149	1243	1340	1438	1557	-	_	1917
1	/alent	260 269	50 55	69 75	88 94	107 114	126 133		171 181	198 210	224 239	250 268	340 358	400 418	485 508	565 578	625 645	675 720	835 855	915 948	1033 1056	1150 1165	1230 1255	1310 1345	1430 1479	1550 1613	1679 1747		1938 2016	2067 2150
	Equiv	277	60	80	100	120	140	_	191	223	254	285	375	435	530	590	665	765	875	980	1080		1280	1380	1528	1675	1815			2233
	Broadcast Equivalent	286 294	65 75	88 100	111 125	134 150	157 175		211 231	243 263	274 294	305 325	418 460	460 485	555 580	633 675	708 750	778 790	925 975	1075 1170	1164 1248	1253 1325	1363 1445	1473 1565	1586 1645	1700 1725	1842 1869	-	_	2267 2300
	Broad	302	77	103	129	154	180	206	238	270	302	334	473	499	597	694	771	813	1003	1203	1283	1363	1486	1610	1692	1774	1922	-		2366
- I		311 319	79 81	106 109	132 136	159 163	185 190	211 217	244 251	278 285	311 319	344 353	486 499	513 527	613 630	714 733	793 814	835 858	1031 1059	1237 1270	1319 1354	1401 1439	1528 1569	1654 1699	1739 1786	1824 1873	1976 2029	_		2431 2497
1		328	84	111	139	167	190	223	258	293	327	362	513	540	646	752	836	880	1039	1304	1390	1476	1610	1744	1833	1922	2029	-	_	2563
1.1		336	86	114	143	171	200	229	264	300	336	371	526	554	663	771	857	903	1114	1337	1426	1514	1651	1789	1880	1971	2136			2629
- 11		344 353	88 90	117 120	146 150	176 180	205 210	234 240	271 278	308 315	344 353	381 390	539 552	568 582	679 696	791 810	879 900	925 948	1142 1170	1371 1404	1461 1497	1552 1590	1693 1734	1833 1878	1927 1974	2021 2070	2189 2243		_	2694 2760
		361	92	123	154	184	215	246	284	323	361	399	565	596	713	829	921	971	1198	1437	1533	1628	1775	1923	2021	2119		-		2826
		370 378	94 96	126 129	157 161	189 193	220 225	251 257	291 297	330 338	369 378	409 418	578 591	610 624	729 746	849 868	943 964	993 1016	1226 1254	1471 1504	1568 1604	1666 1704	1817 1858	1967 2012	2068 2115	2169 2218				2891 2957
		386	99	131	164	197	230	263	304	345	386	427	605	637	762	887	986	1038	1281	1538	1640		1899	_	2162	2267	2456	_		3023
- I		395 403	101 103	134 137	168 171	201 206	235 240	269 274	311 317	353 360	394 403	436 446	618 631	651 665	779 795	906 926	1007 1029	1061 1083	1309 1337	1571 1605	1675 1711	1779 1817	1940 1982	2102 2146	2209 2256	2316 2366	2509 2563	-		3089
1.1		403	105	140	175	200	240	_	324	368	403	440	644	679	812	920 945	1029	11085	1365	1638	1747	1855	2023	2140	2230	2300	2505	_		3220
1		420	107	143	179	214	250		330	375	420	464	657	693	829	964	1071	1129	1393	1671	1782	1893	2064	2236	2350	2464	2670		_	3286
- 11		428 437	109 111	146 149	182 186	219 223	255 260		337 344	383 390	428 436	474 483	670 683	707 721	845 862	984 1003	1093 1114	1151 1174	1421 1449	1705 1738	1818 1853	1931 1969	2106 2147	2280 2325	2397 2444		2723 2776	_	_	
		445	114	151	189	227	265	303	350	398	445	492	697	734	878	1022	1136	1196	1476	1772	1889	2006	2188	2370	2491	2612	2830	3048	3265	3483
	still	grea	ter th	nan	¹∕₂ m	le (2	,640	feet	t), th	e ap	plica	ation	is p	rohik	feet) bited. ad co															s are

Tal	ble 5.	Broad	lcast '	Tarp	Buffe	r Zon	e Dis	tance	s in F	eet																			
	-	1	2	3	4	5	6	7	8	9	10		Appli 20	cation 25	Block 30	Size (. 35	A cres	50	60	70	80	90	100	110	120	130	140	150	160
	118	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	30	35	40	45	50	55
	135	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	32	37	40	43	45	45	50	55	60	64	69	73
	152 160	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	30 30	30 31	39 46	49 61	55 70	61 79	65 83	65 88	70 95	70 95	76 103	82 111	88 119	93 127
	168	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	33	53	73	85	97	110	115	120	125	135	146	156	167
	177	25	25	25	25	25	25	25	25	25	25	25	25	25	25	30	35	60	85	100	115	_	145	160	170	184	198	213	227
	185 193	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	30 34	34 42	36 46	38 51	45 59	51 68	78 95	104 122	120 140	136 158		165 185	180 200	190 210	206 228	222 245	238 263	253 280
	202	25	25	25	25	25	25	25	25	25	25	38	51	57	64	74	84	113	141	160	179	195	215	230	240	260	280	300	320
	210 219	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	42 46	59 68	68 79	76 89	89 103	101 117	130 148	159 178	180 200	201 222	221 242	241 262	260 282	275 297	298 322	321 347	344 371	367 396
	219	25	25	25	25	25	25	25	25	25	25	51	- 08 76	89	102	118	134	148	1/8	200	222		202	310	330	358	385	413	440
	235	25	25	25	25	25	25	25	25	25	25	55	85	100	115	133	150	183	215	240	265		315	335	355	385	414	444	473
	244 252	25 25	25 25	25 25	25 25	25 25	30 30	30 32	30 35	32 39	34 42	64 73	94 104	112 124	129 144	147 161	164 179	198 213	231 248	259 277	286 306		335 364	360 390	380 415	412 450	443 484	475 519	507 553
	261	25	25	25	25	25	30	35	40	46	51	82	113	135	158	175	193	229	264	296	327	357	385	415	440	477	513	550	587
	269	25	25	25	25	25	32	39	46	52	59	91	122	147	172	190	207	244	281	314	348		415	450	480	520	560	600	640
	277 286	25 25	25 25	25 25	25 25	25 25	34 35	42 46	51 56	59 66	68 76	100 109	131 141	159 171	186 201	204 218	221 236	259 275	297 314	333 351	369 389	404 427	439 465	474 503	504 536	546 581	588 625	630 670	672 715
	294	25	25	25	25	25	37	49	61	73	85	118	150	183	215	233	250	290	330	370	410	450	490	530	565	612	659	706	753
(Acre)	302 311	25 25	30 30	30 32	30 36	32 39	45 53	58 66	70 80	83 93	96 106	129 140	161 173	194 205	226 238	249 265	271 291	312 334	353 376	394 417	434 459	474 499	514 539	554 579	589 614	638 665	687 716	736 768	785 819
Product/	319	25	30	36	41	46	61	75	89	103	117	151	184	217	249	281	312	355	399	441	483	523	563	603	638	691	744	798	851
	328	25	32	39	46	54	68	83	98	113	128	162	196	228	261	297	333	377	421	464	507	547	587	627	662	717	773	828	883
Rate (Ibs	336 344	25 25	34 36	43 46	52 57	61 68	76 84	92 100	107 117	123 133	139 149	173 184	207 219	240 251	272 284	313 329	354 374	399 421	444 467	488 511	531 556	571 596	611 636	651 676	686 711	744 770	801 829	858 888	915 948
	353	25	38	50	63	75	92	109	126	143	160	195	230	263	295	345	395	443	490	535	580	620	660	700	735	796	858	919	980
Application	361 370	25 25	39 41	54 57	68 73	82 89	99 106	116 122	132 139	149 155	166 171	203 210	239 249	274 286	309 324	359 373	409 422	456 470	504 519	549 564	594 609		674 689	714 729	749 764	812 827	874 891	937 954	999 1018
Appl	378	25	43	61	79	96	113	122	145	161	177		258	298	338	387	436	484	_	578	623		703	743	778	843		972	1013
Broadcast	386	25	45	64	84	104	119	135	151	167	183	225	267	310	352	401	449	498	547	592	637		717	757	792	858	924	990	1056
Broa	395 403	25 25	46 48	68 71	89 95	111 118	126 133	142 148	157 164	173 179	189 194	233 240	276 286	321 333	366 381	415 429	463 476	512 526	561 576	606 621	651 666	691 706	731 746	771 786	806 821	874 889	941 958	1008 1026	1075
	412	25	50	75	100	125	140	155	170	185	200	248	295	345	395	443	490	540	590	635	680	720	760	800	835	905	974	1044	1113
	420 428	25 25	51 52	77 79	103 105	129 132	144 147	159 163	174 178	189 193	204 209	254 260	303 311	355 365	407 419	453 463	499 507	551 563	604 619	656 677	708 736		788 816	828 856	863 891	935 965	1007 1039		1150
	437	25	53	80	108	136	151	167	182	197	213	266	319	375	431	474	516	574	633	698	764	804	844	884	919	995	1072		1225
	445	25	54	82	111	139	155 159	170	186	202	217		326	385	444	484 494	524 533	586 597	647	719	791	831 859	871	911	946 974	1025	1104 1137	-	1262
	454 462	25 25	54 55	84 86	113 116	143 146	159	174 178	190 194	206 210	221 226	278 284	334 342	395 405	456 468	494 505	533	597 609	661 676	740 761	819 847		899 927	939 967	974 1002	1055 1086	1137	1218 1253	1299 1336
	470	25	56	88	119	150	166	182	198	214	230	290	350	415	480	515	550	620	690	783	875	_	955	995	1030	1116	1202	-	1373
	479 487	25 25	57 58	89 91	122 124	154 158	171 176	188 194	205 212	222 230	239 248	300 310	361 373	423 430	484 488	526 538	569 588	642 664	715 740	798 814	881 888	921 928	961 968	1001 1008	1036 1043	1123 1129	1209 1216	_	1382
	495	25	59	93	127	161	180	199	218	237	256		384	438	491	549	606	686	765	829	894	_	974	1014	1049	1136	1224		1398
	504 512	25 30	60	95 100	130 136	165 172	185 192	205 212	225 233	245 253	265 273	330 341	395 408	445 460	495 512	560 573	625 633	708 718	790 803	845 862	900 920	940 960	980 1000	1020 1040	1055 1075	1143 1165	1231 1254	1319 1344	1407
	512	30	64 68	100	136	172	192	212	255 240	253 261	273	341	408	460	512	573	633 642	729	817	878	920 940	960 980	1000	1040	10/5	1165	1254	1344	1433 1460
	529	35	73	110	148	185	206	227	248	269	290	363	435	490	545	598	650	740		895	960	1000	1040	1080		1208	1301	1394	1487
	537 546	37 39	75 78	113 116	151 155	189 194	210 214	231 235	252 256	273 276	294 297	367 372	441 446	498 505	554 564	608 618	661 671	752 764	843 856	906 916	969 977		1052 1077	1092 1117	1127 1155	1221 1251	1315 1348	1409 1444	1503
	554	41	81	120	159	198	218	239	260	280	301	376	452	513	573	628	682	775	869	927	986	1036	1086	1126	1166	1263	1360	1458	1555
	563	44	83	123			223	243	263 267	284 288	304		458	520	582 591	638	693 704	787	881 894	938 949	994 1002	1044 1053	1094	_		1277 1287	1376	1474 1485	1572
	571 579	46 48	86 89	126 129		206 211		247 251		288 291		386 390	464 469	528 535	591 601		704 714			_			1053	1148 1156		1287 1296		1485 1495	
	588	50	91	133	174		235	255	275	295	315		475	543	610	668	725	823	920	970			1120		_	1305		1506	1607
Foi in (r broa Califo	dcas rnia,	see	plica the (tion: Calif	s wh ornia	en tr a req	ne er uire	ntire ment	appl ts at	licati <u>http</u>	on b <u>s://w</u>	lock ww.	is ta <u>cdpr</u>	rpec .ca.g	l with ov/c	n B2: <u>hloro</u>	5 tar <u>opicr</u>	rp the <u>rin.h</u> t	e bu [.] t <u>m</u> .	ffer z	zone	is 2	ō fee	t. Fo	or all	buff	er zo	ones
																													23

- I	Tab	le 6.	Broad	cast	Untai	p Bu	ffer D	Distan	ces in	Feet																				
1			1	2	3	4	5	6	7	8	9	10	15	Appli 20	ation	Block 30	Size (A	Acres) 40	50	60	70	80	90	100	110	120	130	140	150	160
1.1		51	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	35	40	45	50	55	60	65	70
		59 68	25	25	25 25	25 25	25 25	25	25	25	25 25	25 25	_	25	25	25	30 38	35 50	43 80	50 110	63 138	75	85	95 185	105 200	115	125 228	134	-	
1		68 76	25 25	25 25	25	25	25	25 25	25 25	25 25	25	25		25 25	25 41	25 58	38 76	50 95	80 133	110	201	165 233	175 253	283	200 310	210 330	358	245 385	263 413	_
		84	25	25	25	25	25	25	25	25	25	25	25	25	58	90	115	140	185	230	265	300	335	370	405	440	477	513	550	_
1		93 101	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	25 25	46 68	68 110	100 143	133 175	161 208	190 240	238 290	285 340	325 385	365 430	405 470	445 510	485 550	520 585	563 634	607 683	650 731	693 780
		110	25	25	25	25	25	30	33	37	41	45	95	145	143	220	208	240	343	400	448	450	540	585	630	670	726	782	-	
	/Acre	118	25	25	25	25	25	33	41	49	57	65	123	180	223	265	298	330	395	460	510	560	610	660	710	755	818	881	944	_
	Rate (lbs Product/Acre)	126 135	25 25	25 30	30 30	30 30	30 32	42 52	56 72	70 92	84 112	98 132	158 194	218 257	263 303	307 348	343 389	380 430	452 508	523 587	578 647	633 707	688 767	743 827	798 887	848 942	919 1021	989 1099		-
	os Pro	143	25	30	30	33	35	61	87	113	139	165		295	343	390	435	480	565	650	715	780	845		975	1035	1121	-	-	_
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	Buffer zone distances cannot be greater than $\frac{1}{2}$ mile (2,640 feet). If after applying applicable credits the buffer zone distances are still greater than $\frac{1}{2}$ mile (2,640 feet), the application is prohibited
I	distances are still greater than $\frac{1}{2}$ mile (2,640 feet), the application is prohibited. 25

1	Buffer Zone Credits	Posting Fumigant Buffer Zones
- I	The buffer zone distances for Pic-Clor 60 applications	Posting of a buffer zone is required unless there is
- E	may be reduced by the percentages listed below.	a physical barrier that prevents bystander access to
1	Credits may be added, but credits cannot exceed 80%.	the buffer zone.
- i-	Also, the minimum buffer zone distance is 25 feet,	 Buffer Zone signs must be placed along or outside the perimeter of the buffer Zone, at all yound points of
- 1	regardless of buffer zone credits available. For all buffer zones in California, see the California requirements at	the perimeter of the buffer zone, at all usual points of entry and along likely routes of approach from areas
- I	https://www.cdpr.ca.gov/chloropicrin.htm . See https://	where people not under the owner's control may
- E	www.epa.gov/soil-fumigants/tarps for a list of tarps that	approach the buffer zone.
1	have been tested and determined to qualify for buffer	o Some examples of points of entry include, but are not
- i-	reduction credits. Only tarps listed on this website	limited to, roadways, sidewalks, paths, and bike trails.
	qualify for buffer reduction credits.	o Some examples of likely routes of approach include,
	 15% reduction in buffer zone distance, IF potassium thiosulfate (KTS) is applied at a minimum rate of 300 	but are not limited to, the area between a buffer zone and a roadway, or the area between a buffer
- I	pounds per acre.	zone and a housing development.
1.1	• 15% reduction in buffer zone distance, IF $\frac{1}{4}$ to $\frac{1}{2}$	o When posting, the certified applicator supervising
	inch of water is applied.	the application must ensure compliance with all
	• 10% reduction in buffer zone distance, IF the organic	local laws and regulations.
	content of the soil in the application block is $\ge 1\%$ - 2%; 20% reduction in buffer zone distance, IF the	 Buffer Zone signs must meet the following criteria: The printed side of the sign must face away from the
- I	organic content of the soil in the application block is	application block toward areas from which people
1	> 2% - 3%; and a 30% reduction in the buffer zone	could approach.
	distance, IF the organic content of the soil in the	o Signs must remain legible during the entire posting
1.1	application block is > 3%.	period and must meet the general standards
	• 10% reduction in buffer zone distance, IF the soil	outlined in the WPS for sign size, text size, and
	temperature is measured to be 50°F or less. Record temperature measurements at the application depth	legibility (see 40 CFR §170.120). o Signs must be posted no sooner than 24 hours prior
- I	or 12 inches, whichever is shallower.	to the start of the application and remain posted until
1	• 10% reduction in the buffer zone distance, IF the	the buffer zone period has expired.
- i-	clay content of the soil in the application block is	o Signs must be removed within 3 days after the end
	greater than 27%.	of the buffer zone period.
	 10% reduction in buffer zone distance IF the Symmetry™ application system is used with a tarp 	 Buffer Zone signs which meet the criteria above will be provided at points of sale for applicators to use.
- I	that qualifies for a credit and the application rate is	Templates may be downloaded from https://www.
1	≤ 100 pounds a.i./treated acre. The 10% credit for	epa.gov/soil-fumigants/buffer-zone-sign-template.
1.1	the Symmetry™ application system is added to the	o The Buffer Zone signs must contain the following
1.1	buffer zone credit for the tarp. For example if the	information:
	Symmetry™ application system is used with a tarp that qualifies for a 40% credit the total credit for the	 The 'Do Not Walk' symbol "DO NOT ENTER/NO ENTRE".
	tarp and the application system would be 50%.	 DO NOT ENTERINO ENTRE , "Chloropicrin/1,3-Dichloropropene Pic-Clor 60
- I		Fumigant BUFFER ZONE",
1	Examples of Buffer Zone Calculations with Credits Applied If the buffer zone is 50 feet and the application qualifies	Contact information for the certified applicator in
- i	for a buffer zone credit since the soil organic content is	charge of the fumigation.
	1.5%, then the buffer zone can be reduced by 10%, i.e.,	Exception: If multiple contiguous blocks are fumigated
	reduced by 5 feet based on the following calculation:	within a 14-day period, the entire periphery of the
- I.	50 feet - (50 feet x 10%) = 45 feet.	contiguous blocks' buffer zones may be posted. Buffer
- E	If the buffer zone is 50 feet and the application qualifies	Zone signs must be posted no sooner than 24 hours prior to the start of the first application. The signs
1	for two buffer zone credits since the soil organic content	must remain posted until the last buffer zone period
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		expires, and signs must be removed within 3 days after
	the buffer zone period for the last block has expired.	
	by 10 feet based on the following calculation 50 feet -	
- E	(50 feet x 20%) = 40 feet.	
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 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 ¼-mile (1,320 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. No fumigant application with a buffer zone of 300 feet or less is permitted within ¼-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 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: 	 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: 1 hour before sunset, during the night, 1 hour after sunrise, and during daylight hours. Implement the emergency response plan immediately if a handler monitoring experiences sensory irritation. Handlers performing fumigant site monitoring outside of the buffer zone are not required to wear an airpurifying 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.
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applicable. Triggers for Emergency Preparedness and	from the Fumigant Site Monitoring section are not
Triggers for Emergency Preparedness and	
	The cortified applicator supervising the application
The certified applicator must either follow the directions	The certified applicator supervising the application must ensure that residences and businesses that
under the Fumigant Site Monitoring section or follow	trigger the requirement have been provided the
the directions under the Response Information for	response information at least 1 week before the
Neighbors section if:	application starts. The information provided may
 the buffer zone is greater than 25 feet but less than or equal to 100 feet, and there are residences or 	include application dates that range for no more
businesses within 50 feet from the outer edge of	than 4 weeks. If the application does not occur when specified, the information must be delivered again.
the buffer zone, or	
• the buffer zone is greater than 100 feet but less than	Information that must be included: o The location of the application block.
or equal to 200 feet , and there are residences or	o Fumigant(s) applied including the active ingredient,
businesses within 100 feet from the outer edge of the buffer zone, or	name of the fumigant product(s), and the EPA
 the buffer zone is greater than 200 feet but less than 	Registration number.
or equal to 300 feet , and there are residences or	o Contact information for the applicator and property
businesses within 200 feet from the outer edge of	owner. o Time period in which the application is planned to
 the buffer zone, or the buffer zone is greater than 300 feet or the 	take place (must not range more than 4 weeks).
buffer zones overlap , and there are residences	o Early signs and symptoms of exposure to the
or businesses within 300 feet from the outer edge	fumigant(s) applied, what to do, and who to call if
of the buffer zone.	you believe you are being exposed (911 in most
Fumigant Site Monitoring	cases). o How to find additional information about fumigants.
NOTE: Fumigant Site Monitoring is ONLY required	ů
if the Emergency Preparedness and Response	The method used to share the response information for
Measures are triggered AND directions from the	neighbors can be accomplished through mailings, door hangers, or other methods that will effectively inform
Response Information for Neighbors section are not followed.	the residences and businesses within the required
lonowed.	distance from the edge of the buffer zone.
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Notice to State and	o Pesticide applicator license and/or certificate
Tribal Lead Agencies	number, Specify if commercial or private applicator
If your state and/or tribal lead agency requires notice,	 Specify if commercial or private applicator, Employer name,
information must be provided to the appropriate state or	o Employer address, and
tribal lead agency prior to the application. Please refer to	o Date and location of completing EPA approved soil
https://www.epa.gov/soil-fumigants/complying-required-	fumigant training program.
state-and-tribal-notification-soil-fumigations for a list of	 General site information
states and tribal lead agencies that require notice and	o Application block location (e.g., county, township-
information on how to submit the information.	range-section quadrant), address, or global
The information that must be provided to state and tribal	positioning system (GPS) coordinates
lead agencies includes the following:	o Verify if 1,3-dichloropropene has been used on this
 Location of the application blocks, 	application block in the previous two years
Fumigant(s) applied including EPA registration number,	o Confirm that there will be no occupied structures
Applicator and property owner contact information, and	within 100 feet of the application block during the
Time period that fumigation may occur.	7 consecutive day period after the application is
	complete.
Emergency Response Plan	o Name, address, and phone number of application
The certified applicator must include in the FMP a written	block owner
emergency response plan that identifies:	o Map, aerial photo, or detailed sketch showing:
 Evacuation routes, Locations of tolophonos 	application block location
 Locations of telephones, Contact information for first responders and local/state/ 	 application block dimensions buffer zone dimensions
federal/tribal personnel, and	 buffer zone dimensions property lines
 Emergency procedures/responsibilities (e.g., adding 	 property lines roadways
water to the field, repairing tarps, fixing equipment,	 rights-of-ways
evacuating upwind) if:	 sidewalks
o there is an incident,	 permanent walking paths
o sensory irritation is experienced outside of the buffer	 bus stops
zone, and/or	• wells
o there are equipment/tarp/seal failure or complaints,	 karst topography
or other emergencies.	 nearby application blocks
Cite Creatie Fundament	 surrounding structures (occupied and non-
Site Specific Fumigant	occupied)
Management Plan (FMP)	 locations of Buffer Zone signs, and
Prior to the start of application, the certified applicator	 locations of difficult to evacuate sites with
supervising the application must verify that a site-specific	distances from the application block labeled.
FMP exists for each application block. In addition, an	 General application information
agricultural operation fumigating multiple application	o Target application date/window,
blocks may format the FMP in a manner whereby all	o Fumigant Product Name, and
of the information that is common to all the application	o EPA registration number.
blocks is captured once, and any information unique to	 Tarp Plan (if tarp is used) Schedule for checking tarps for damage, tears, and
a particular application block or blocks is captured in	 Schedule for checking tarps for damage, tears, and other problems,
subsequent sections.	o Minimum size of damage that will be repaired,
The FMP must be prepared by the certified applicator,	o Factors used to determine when tarp repaired,
the site owner, registrant, or other party.	conducted,
The certified applicator supervising the application must	o Equipment/methods used to perforate tarps,
verify in writing (sign and date) that the site-specific	o Target dates for perforating tarps, and
FMP(s) reflects current site conditions before the start	o Target dates for removing tarps.
of application.	 Soil conditions
	o Description of soil texture and moisture in
Each site specific FMP must contain the following elements:	application block,
 Certified Applicator Supervising the Application 	o Method used to determine soil moisture, and
o Name,	o Soil temperature measurement if air temperatures
o Phone number,	were above 100°F in any of the 3 days prior to the
	application.

	■ Buffer zones	o Date of PPE training for each handler	I.
	 Durier Zones o Application method, 	o Applicable handler PPE including:	1
	o Injection depth,	Long-sleeved shirts/long pants, shoes, socks	1
	o Application rate from lookup table on label,	 Chemical-resistant apron 	1
	o Application block size from lookup table on label,	Chemical-resistant footwear	1
	o Credits applied and measurements taken (if	Protective eyewear (not goggles)	1
	applicable),	Chemical-resistant gloves	1
	• Tarp brand name, lot number, thickness,	Chemical-resistant suit	1
	manufacturer, batch number, and part number	Chemical-resistant headgear	1
	 Potassium thiosulfate 	Air-purifying respirators	1
	Water seal	- Respirator make, model, type, style, size, and	1
	Organic matter content	cartridge/canister type	1
	Clay content	• SCBAs	1.1
	Soil temperature	 Respirator make, model, type, style, size 	1
	 Symmetry[™] application system 	Other PPE	1
	o Buffer zone distance, and	o For handlers: Confirmation of receipt of Fumigant	÷.
	o Description of areas in the buffer zone that are not	Safe Handling Information	1
	under the control of the owner of the application	o For certified applicator(s) supervising the	1
	block. If buffer zones extend onto areas not	application: Completion date and location of the	1
	under the control of the owner, attach the written	soil fumigant training program listed on the following	1
	agreement and keep it with the FMP.	EPA website <u>https://www.epa.gov/soil-fumigants/</u>	1
	 Record Emergency Response Plan as described in the Emergency Response Plan as described in 	<u>soil-fumigant-training-certified-applicators</u> for the	1
	the Emergency Response Plan section.	active ingredient(s) in this product. o For handlers designated to wear respirators (air-	1
	Posting of Fumigant Treated Area and Buffer Zone Decrease (a) who will post and remove (if different)	purifying respirator or SCBA):	1
	o Person(s) who will post and remove (if different) Fumigant Treated Area and Buffer Zone signs, and	 date of medical qualification to wear a respirator, 	1
	o Location of Buffer Zone signs.	 date of medical qualification to wear a respirator, date of respirator training, and 	1
	 Emergency Preparedness and Response Measures 	 date of respirator training, and date of fit-testing for the respirator. 	1
	(if applicable)	o Unless exempted in the Protection of Handlers	1
	o Fumigant site monitoring (if applicable):	section, verify that:	1
	When and where it will be conducted	 handlers have the appropriate respirators and 	1
	o Response information for neighbors (if applicable):	cartridges/canisters during handler activities, and	1
	List of residences and businesses informed,	the employer has confirmed that the appropriate	1
	Name and phone number of person providing	respirator and cartridges/canisters are	1
	information, and	immediately available for each handler who will	1.1
	 Method of providing the information. 	wear one.	1
	 State and/or tribal lead agency advance notification (if 	If using an enclosed cab in lieu of wearing an air-	
	state and/or tribal lead agency requires notice, provide	purifying respirator, verify that the cab:	1
	a list of contacts that were notified and date notified)	o Has positive pressure (6 mm H ₂ O Gauge).	1.
	Plan describing how communication will take place	o Has a minimum air intake flow of 43 m ³ /hour.	1
2	between the certified applicator supervising the	o Is equipped with activated charcoal filter-media	1
2	application, the owner, and other on-site handlers	containing no less than 1000 grams of activated	1
2	(e.g., tarp perforators/removers, irrigators) for	charcoal.	1
	complying with label requirements (e.g., buffer zone	o Document the application hours of the filter to	1
5	location, buffer zone start and end times, timing of tarp	confirm that the filter has been used for no more	1
	perforation and removal, PPE).	than 50 hours of application time.	i.
	o Name and phone number of persons contacted by the certified applicator, and	 In addition document that the ventilation system has been maintained according to manufacturer's 	1
	o Date contacted.	has been maintained according to manufacturer's instructions.	1
	 Handler (including Certified Applicators) Information 	 Air monitoring plan 	1
	and PPE	 All filling plan If sensory irritation is experienced, indicate whether 	1
	o Names, addresses and phone numbers of handlers	operations will cease or operations will continue with	1
	o Names, addresses and phone numbers of namers for	use of an air-purifying respirator	1
	employers of handlers	o For monitoring the breathing zone:	1
	o Tasks that each handler is authorized and trained	 Representative handler tasks to be monitored, 	1
	to perform	 Monitoring equipment to be used, and 	1
		Timing of the monitoring.	1

balcode alea	 [Booklet Copy Area: 6.0" x 8.125"] Good Agricultural Practices (GAPs) Identify (e.g., list, attach applicable label section) applicable mandatory GAPs. Pesticide Product Labels and Material Safety Data Sheets (MSDS) Ensure that labels and MSDS are on-site and readily available for employees to review. Record-Keeping 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 applications where an initial FMP is developed and certain elements do not change for multiple application blocks (e.g., applicator information, certified applicator, handlers, record-keeping 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. Record-keeping 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 enforcement personnel who request the FMP. In the case of an emergency response and enforcement personnel. The certified applicator supervising the application must ensure the FMP is at the application block during all handler activities. 	 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, and on a daily basis during the application if the time period from the start of the application, and on a daily basis during the application until the application is complete is greater than 24 hours. Tarp damage and repair information (if applicable): Date of tarp damage discovery, Location and size of tarp damage. Description of tarp/tarp seal/tarp equipment failure, and Date and time of tarp repair completion. Tarp perforation/removal details (if applicable): Date and time tarps were perforated, Date and time tarps were perforated, Description of control measures or emergency and early bescribe the conditions that caused early tarp perforation and/or removal. Complaint details (if applicable): Person filing complaint (e.g., on-site handler, person off-site), If off-site person, name, address, and phone number of person filing complaint, and Description of control measures or emergency procedures followed after complaint. Description of incidents, equipment failure, or other emergency and emergency procedures followed after complaint. Description of incidents, equipment failure, or other emergency and emergency procedures followed after complaint. Date, time, location, and handler task/activity
		continue operations with appropriate air-purifying respirators). Fumigant Treated Area and Buffer Zone Signs:
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[Booklet Copy Area: 6.0" x 8.125"] Any deviations from the FMP (e.g., changes in emergency response actions, changes in handler Storage and Disposal information, changes in handlers responsible for Do not contaminate water, food, or feed completing emergency tasks, changes in communication by storage or disposal. between certified applicator, owner, and other handlers). Pesticide Storage: Store in a cool, dry, wellventilated area under lock and key. Post as a **Record-Keeping Procedures** pesticide storage area. The owner of the application block, as well as the certified Pesticide Disposal: Pesticide wastes are toxic. applicator supervising the application, must keep a Improper disposal of excess pesticide and I signed copy of the Post-Application Summary for 2 years rinsates is a violation of Federal law. If these from the date of application. wastes cannot be disposed of by use according I to label instructions, contact your state pesticide Spill and Leak Procedures or environmental control agency, or the hazardous Evacuate everyone from the immediate area of the spill or waste representative at the nearest EPA regional 1 leak. For entry into affected area to correct the problem, office for guidance. Because 1,3-dichloropropene I wear the personal protective equipment specified in is corrosive under certain conditions, flush all the Personal Protective Equipment (PPE) section. application equipment with fuel oil, kerosene or a Move leaking or damaged containers outdoors or to an similar type of petroleum solvent immediately after isolated location. Observe strict safety precautions. Work use. Fill pumps and meters with new motor oil or a 50% motor oil/fuel oil mixture before storing. Do not upwind, if possible. Allow spilled fumigant to evaporate I use water. Dispose of rinsate by applicable Federal, or to absorb onto vermiculite, dry sand, earth, or similar I State and local regulations. Never introduce rinsate absorbent material. Dispose of contaminated material or unused product into surface or underground on site or at an approved disposal facility. Only correctly water supplies. trained and PPE-equipped handlers are permitted to Container Handling: Persons moving, handling, I perform such cleanup. Do not permit entry into the spill or opening containers must wear the personal I or leak area by any other person until the concentration of protective equipment specified in the Personal chloropicrin is measured to be less than 0.15 ppm or less. Protective Equipment (PPE) section of this labeling. I Open container only in a well-ventilated area. I Remove the valve protection bonnet and safety cap only when fumigant is about to be removed from I the cylinder. The safety cap and valve protection I bonnet must be replaced when the cylinder is not in use. Do not subject cylinders to rough handling, I or to abnormal mechanical shock such as dropping, I bumping, dragging, or sliding. Do not use ropes, slings, hooks, tongs, and similar handling devices I for unloading cylinders. To transport heavier I cylinders, use a hand truck, fork truck, or similar device to which cylinders can be firmly secured. I **Refillable Container:** Only the registrant is authorized to refill cylinders. Refill this container with pesticide only. Do not reuse this container for I barcode area any other purpose. Cleaning the container before final disposal is the responsibility of the person I disposing of the container. Cleaning before refilling is the responsibility of the refiller. Return of Containers: Cylinders are the property I of the manufacturer or distributor and must be I returned promptly by collect freight. Do not ship cylinders without safety caps or valve protection bonnets I Container Disposal: To clean the container before final disposal, remove any remaining liquid from I the container, using dry air pressure if necessary. I Allow container to aerate for at least 5 days. After aeration, wash container using hot water; then offer container to qualified reconditioner or dispose of as directed by State or local regulations. 31 I

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LIMITED WARRANTY

Seller warrants that this product conforms to the chemical description on its label and is reasonably fit for the purposes stated on the label when used in strict accordance with the label's directions under normal conditions of use. To the extent consistent with applicable law, THE PRECEDING WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY MADE IN CONNECTION WITH THIS PRODUCT. To the extent consistent with applicable law, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

LIMITATION OF LIABILITY AND REMEDIES

Although this product has been extensively tested under a large variety of conditions, specific results cannot be guaranteed. No soil treatment will completely eradicate soil pests. Fumigation efficacy may vary due to weather, soil type and preparation, pest population density in and around the treated area, presence of crop debris, and cultural practices following fumigation, among others. Soil pests may be re-introduced to treated soil by wind, rain, farm workers or equipment, contaminated irrigation water, transplanted seeds or seedlings, and other sources. For these reasons, to the extent consistent with applicable law, THE REGISTRANT OR MANUFACTURER OF THIS PRODUCT SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMITATION, DAMAGES FOR CROP FAILURE OR REDUCED YIELDS. To the extent consistent with applicable law, THE EXCLUSIVE REMEDY FOR LOSSES OR DAMAGES RELATING TO THE USE OF THIS PRODUCT IS EXPRESSLY LIMITED TO EITHER (1) REPLACEMENT OF THE PRODUCT USED, OR (2) A REFUND OF THE PURCHASE PRICE PAID FOR THE SPECIFIC PRODUCT FOR WHICH DAMAGES ARE CLAIMED, AT THE BUYER'S DISCRETION.

ACCEPTANCE OF TERMS AND CONDITIONS

If the terms of the above Limited Warranty and Limitation of Liability and Remedies are not acceptable, you may return unopened product containers to the seller and receive a full refund. USING THIS PRODUCT CONSTITUTES ACCEPTANCE OF THESE TERMS.

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