Kryocide®
Insecticide

ACTIVE INGREDIENT:
Cryolite: sodium aluminofluoride (Fluorine—not less than 50%) .................. 96.0%
OTHER INGREDIENTS: ........................................................................... 4.0%
TOTAL .................................................................................................. 100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. CAUSES
MODERATE EYE IRRITATION.

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EPA Registration No. 70506-172
EPA Establishment No. 33770-JPN-01

Net Weight 50 lbs. (22.68 kg)

United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-638-6071 • www.upi-usa.com
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

CAUTION

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

Personal Protective Equipment:
Some materials that are chemical-resistant to this product are butyl rubber, nitrile rubber or neoprene. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
Applicators and other handlers must wear:
• Long sleeve shirt and long pants
• Chemical resistant gloves
• Shoes plus socks

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

FOLLOW MANUFACTURER'S INSTRUCTIONS FOR CLEANING/MAINTAINING PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS
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 washwater or rinsate.

GENERAL INFORMATION
KRYOCIDE is a fine powder suitable for spray or dust application by ground equipment or air. A thorough application should be made, covering the underside of the leaves, if possible, as well as the tops of leaves. Some processors may have additional use restrictions. Check with your processor. This product is compatible with Integrated Pest Management Programs (IPM).
KRYOCIDE is recommended for control of the insects on the crops listed. KRYOCIDE may be used in combination with other commonly used pesticides and approved adjuvants. Thorough coverage of all foliage with Kryocide is necessary for best efficacy. It is highly recommended that every row be treated.
NOTE: Do not use KRYOCIDE in combination with lime or compounds containing free lime.
Remove visible residues from edible portions of fruit and vegetables by washing, brushing, field trimming, or other effective means.

DIRECTIONS FOR USE
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 protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.
Apply only when wind speed is 10 mph or less at the application site.

AGRICULTURAL USE REQUIREMENTS
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry Interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.
Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
• Coveralls over long-sleeved shirt and long pants
• Chemical resistant gloves
• Socks and chemical resistant footwear

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.
Pesticide Storage: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal instructions listed below.
Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
Container Handling: Nonrefillable container. Do not reuse or refill this container.
Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE ON VEGETABLE AND FRUIT CROPS
When used as a spray: Apply in a minimum of 5 gallons of water per acre and in a minimum of 10 gallons of water per acre if ground or in sufficient spray volume to obtain thorough coverage.
When used as a dust: May be applied alone, with dusting sulfur, or other dusting products. When applied in combination with sulfur or other dusting products, the label directions, and restrictions appearing on the other products labels must be adhered to such that the most restrictive of label limitations and restrictions is followed.
When used as a spray or dust: When insects are small (early instar). Use the higher rates for severe insect infestations.
Spray Drift Labeling
Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.
The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses, or to applications using fumigant formulations.
1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the airstream and never be pointed downwards more than 45 degrees.
Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the following Aerial Drift Reduction Advisory Information.
### Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

#### Controlling Droplet Size

- **Volume**: Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure**: Do not exceed the nozzle manufacturer’s recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles**: Use the minimum number of nozzles that provide uniform coverage.
- **Ozzle Orientation**: Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Ozzle Type**: Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.
- **Heam Length**: For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height**: Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

#### Swath Adjustment

- When applications are made with a cross-wind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upward. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

#### Wind

Drift potential is lowest between wind speeds of 2 to 15 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE**: Local terrain can influence droplet patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

#### Temperature and Humidity

- Making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### Temperature Inversions

- Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud moves in unpredictable directions due to the light variable winds common during inversions.

#### Sensitive Areas

- The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from sensitive areas).

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### Crop Protection Table

<table>
<thead>
<tr>
<th>CROP</th>
<th>INSECTS</th>
<th>SPRAY OR DROPP RATE USE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brassica, Carpetweed, Dandelions, Fieldweeds</td>
<td>Cabbage Looper, Corn Earworm, Cucumber, Tobacco Mosaic Virus, Black Leg</td>
<td>8-10</td>
<td>Apply as needed with a minimum of 7 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 7 days of harvest.</td>
</tr>
<tr>
<td>Cabbage</td>
<td>Cabbage Looper, Corn Earworm, Cucumber, Tobacco Mosaic Virus, Black Leg</td>
<td>8-12</td>
<td>Apply as needed with a minimum of 7 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Cucumber</td>
<td>Cucumber Looper, Cucumber</td>
<td>8-12</td>
<td>Apply as needed with a minimum of 7 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Winter Squash, Melons, Pumpkins</td>
<td>Cucumber Looper, Cucumber</td>
<td>8-12</td>
<td>Apply as needed with a minimum of 7 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Summer Squash</td>
<td>Cucumber Looper, Cucumber</td>
<td>8-12</td>
<td>Apply as needed with a minimum of 7 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Cantaloupe</td>
<td>Cucumber Looper, Cucumber</td>
<td>8-12</td>
<td>Apply as needed with a minimum of 7 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Citrus</td>
<td>Citrus</td>
<td>8-10</td>
<td>Apply as needed with a minimum of 10 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Grape</td>
<td>Grape</td>
<td>8-10</td>
<td>Apply as needed with a minimum of 10 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Grapes (after harvest)</td>
<td>Grape</td>
<td>8-10</td>
<td>Apply as needed with a minimum of 10 days between applications. Do not exceed 10 lbs. per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
</tbody>
</table>

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* Not registered for this use in California.
**APPLICATION INSTRUCTIONS**

Observe the requirements in the System Requirements section above.

Apply KRYOCIDE only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to ensure simultaneous shut-off.

Maintain a gentle, continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/irrigation unit to prevent spray being applied to this area.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

**SPRAY PREPARATION**

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of KRYOCIDE in a mix tank. Fill the tank with 1/2 or 3/4 of the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of KRYOCIDE and then the remaining volume of water.

**Sprinkler Irrigation — Notes**

Observe all System Requirements and Application Instructions above.

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of KRYOCIDE into the irrigation water line so as to deliver the desired rate per acre. The suspension of KRYOCIDE should be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. When treatment with KRYOCIDE has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

For overhead chemigation, apply only when wind speed is 10 mph or less.

Where sprinkler distributed patterns do not overlap sufficiently, unacceptable pest control may result.

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

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**EMERGENCY TELEPHONE NUMBERS:**

**CHEMTREC:** (800) 424-3300

**MEDICAL:** (366) 673-6671 Rocky Mountain Poison Control Center
IMPORTANT INFORMATION
READ BEFORE USING PRODUCT

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, United Phosphorus, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable or beyond the control of Seller or United Phosphorus, Inc., and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, UNITED PHOSPHORUS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

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