KALIGREEN®

POTASSIUM BICARBONATE SOLUBLE POWDER

KALIGREEN is a curative, contact fungicide for control of powdery mildew.

ACTIVE INGREDIENT:
Potassium bicarbonate ........................................... 61.9%  
OTHER INGREDIENTS ........................................... 18.1%  
Total ............................................................... 100.0%

Reg. No. 11591-2

KEEPS OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a quart of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Wipe off contaminated clothing and skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call the National Poison Information Center at 1-800-222-1222 seven days a week, 24 hours a day.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if ingested, absorbed through skin, or inhaled. Avoid contact with skin, eyes, and clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using toilet. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using 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.

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 rinsates.

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 requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box apply to all 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 4 hours. PPE required for 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
- Chemical-resistant gloves
- Shoes plus socks

NON-AGRICULTURAL USES

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. Keep children and domestic animals out of the treated area until sprays have dried.

MODE OF ACTION: KALIGREEN is a fungicide containing potassium bicarbonate as the active ingredient. KALIGREEN is a contact fungicide, so direct contact with the fungus organism is required for control. KALIGREEN disrupts the potassium ion balance in the fungus cell, causing the cell walls to collapse.

CHEMISTRY: Do not apply this product through any type of irrigation system.

APPLICATION: Apply by ground equipment only in sufficient water (20 gallons per acre minimum) to ensure complete and thorough coverage of foliage and/or crop. Use of a non-acidifying spreader/sticker and/or a non-phytotoxic oil will aid in ensuring thorough coverage and optimum contact with the disease organism.

LOT

Manufactured under U.S. Patent No. 5,123,865 by:

Otsuka AgriTechno Co., Ltd.
2-2 Takanawa-machi, Kanda, Chiyoda-ku
Tokyo 101-0048, Japan

NET WEIGHT: 5.0 lbs/2.27 Kg
**MIXING:** Pour required amount into spray tank partially filled with water. Add KALIGREEN slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Add a spreader/sticker and/or other products last. Do not allow mixture to stand. Use within 24 hours as KALIGREEN may lose its activity if left in the tank.

**COMPATIBILITY:** KALIGREEN is compatible with most crop protection products and nutrients. However, do not mix it with highly acidic products as the effectiveness of KALIGREEN may be compromised. Use of a buffering agent for acidification of a tank mixture may also decrease the effectiveness of KALIGREEN. If compatibility is in question, use the compatibility test before mixing a whole tank. Because of the wide variety of crops, possible combinations that can be encountered, observe all precautions and limitations on the label of all products used in mixtures.

**TIMING:** Begin application at the first sign of disease. Repeat applications as new growth or infection occurs or as favorable disease conditions continue. Use an integrated Pest Management rotation program at 7-10 day intervals with other effective fungicides for resistance management. KALIGREEN may be applied up to the day before harvest (PHI = 7 days) for all labeled crops except roses, turf, ornamentals, and tobacco. The PHI for roses, turf, and ornamentals is 4 hours; the PHI for tobacco is 10 days. KALIGREEN may also be applied post-harvest to remaining foliage to decrease overwintering inoculum.

**DIRECTIONS:** For control of powdery mildew, use KALIGREEN as indicated on the following crops. Use the higher rate when disease pressure increases or a severe infection has occurred.

<table>
<thead>
<tr>
<th>CROPS</th>
<th>RATE</th>
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<tbody>
<tr>
<td>Root and tuber vegetables, such as beet, (garden, sugar), carrot</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Bulb vegetables, such as onions, frit bulb, green, garlic, leeks, shallots</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Leafy vegetables, such as endive, head and leaf lettuce, radicchio, spinach, Swiss chard</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Cole crops, such as broccoli, Brussels sprouts, cabbage, cauliflower</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Legume crops (broad or lima), such as bean (snap, green), pea (edible pod, field, green, snow)</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Fruiting vegetables, such as eggplant, pepper (bell, chili, pimento), tomatillo, tomato</td>
<td>2 1/2 - 3 lbs/A</td>
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<td>Ornamental shrubs, such as apple, pear, quince</td>
<td>2 1/2 - 3 lbs/A</td>
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<td>Stone fruits, such as apricot, cherry, nectarine, peach, plum, prune</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Grapes (wine, fresh market, raisin)</td>
<td>2 1/2 - 3 lbs/A</td>
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<td>Small fruits and berries, such as blackberry, blueberry, currant, loganberry, raspberry, strawberry</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Subtropical fruits, such as banana, date, mango, papaya, pineapple</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Ornamental shrubs, such as barberry, wheat</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Herbs and spices, such as basil, chive, comfrey, oregano, parsley, thyme</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Hops</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Additional crops, mint (peppermint and spearmint), tobacco</td>
<td>2 1/2 - 3 lbs/A</td>
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<tr>
<td>Ornamentals-field and greenhouse, such as bare root, container, bedding and flowering stock, field grown cut flowers, vegetable transplants, nursery and landscape, potted flowering, shade and flowering trees, woody ornamentals</td>
<td>1-3 lbs/100 gal/water/A for hand held applications</td>
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<tr>
<td>Roses (field and greenhouse)</td>
<td>1-3 lbs/100 gal/water/A for hand held applications</td>
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<tr>
<td>Turf (ornamental lawns, golf courses and sod farms)</td>
<td>3 lbs/100 gal/water/A for hand held applications</td>
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**NOTE TO USER:** Unforeseen consequences such as crop injury may result due to environmental or growing conditions. Read all directions and precautions and use this product only as directed. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Store in a cool, dry place inaccessible to children. Pest Control Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Pest Control Disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into equipment. Then dispose of empty bag. By recycling if available, or in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

**WARRANTY AND CONDITIONS OF SALE:** SELLER OFFERS AND THE BUYER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY. The directions for the use of this product are believed to be adequate and must be followed carefully. However, it is impossible to take into account all the variables and to eliminate risks associated with use. Injury or damage may result because of conditions that are beyond the control of SELLER.

The product is covered by a warranty. The SELLER warrants that this product conforms to the chemical description on the label and is believed to be reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under conditions of normal use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SELLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE SELLER IS NOT LIABLE FOR CONSEQUENTIAL, SPECIAL, INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THE PRODUCT. ANY VARIATION OR EXCLUSION FROM THIS WARRANTY MUST BE IN WRITING AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE SELLER.