2026-3266
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Karbonate850 Fungicide

FOLIAR FUNGICIDE

SOLUBLE POWDER

FOR CONTROL OR SUPPRESSION OF POWDERY MILDEW ON FIELD CUCURBIT VEGETABLES, GRAPES, HOPS, PEPPERS, STONE FRUITS, AND STRAWBERRIES; GREENHOUSE CUCUMBERS, SWEET PEPPERS, TOMATOES, LETTUCE, STRAWBERRIES, AND ORNAMENTAL CROPS (GERBERA DAISY, HYDRANGEA, AND POINSETTIA); CANNABIS GROWN IN GREENHOUSES AND OTHER ENCLOSED GROWING STRUCTURES; AND CANNABIS AND INDUSTRIAL HEMP GROWN OUTDOORS.

COMMERCIAL

WARNING
EYE AND SKIN IRRITANT

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT: Potassium bicarbonate …….. 85.00%

REGISTRATION NO. 36129 PEST CONTROL PRODUCTS ACT

IN CASE OF EMERGENCY INVOLVING A POISONING OR MAJOR SPILL, CALL 1-866-336-2983

NET CONTENTS: 1- 2000 kg

Manufactured by:
MBFi, No. 144 2nd Avenue,
Modder East Orchards, Delmas,
South Africa
2210, +27 (0)82 738 0080

Distributed by: Belchim Crop Protection Canada, Inc.,
104 Cooper Drive, Unit 3,
Guelph, ON
N1G 0A4
1-866-613-3336

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Causes skin irritation. DO NOT get on skin. May irritate eyes. Avoid contact with eyes. Avoid breathing dust or spray mist.

DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, using the toilet or handling mobile devices. Vehicle cabs MUST be decontaminated regularly.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash the outside of gloves with soap and water before removing, wash contaminated skin with soap and water, and then dress in clean clothing. Launder contaminated clothing/PPE regularly and separately from other laundry. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. DO NOT reuse them.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Application Equipment and Engineering Controls	**Personal Protective Equipment**	
	Mixer/Loader/Clean Up and Repair	**Applicator**
Field sprayers (groundboom equipment) -Open-cab	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	
Field sprayers (groundboom equipment) -Closed-cab	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Wear a long-sleeved shirt, long pants, socks and shoes.
Airblast equipment -Open-cab (except handheld airblast) and Overhead sprayers -Open-Cab	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear, headgear[1] and protective eyewear (goggles or face shield).
Airblast equipment -Closed-cab	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Wear a long-sleeved shirt, long pants, socks and shoes.
Handheld sprayers (excluding ULV Ultra Low Volume application and handheld airblast) For overhead applications, see row below.	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	

Handheld sprayers -Overhead and above the waist (excluding ULV Ultra Low Volume application and handheld airblast)	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Wear coveralls with a chemical-resistant hood over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear, a respirator[3] and protective eyewear (goggles or face shield).
Ultra Low Volume (ULV) Application (including cold foggers, thermal foggers, electrostatic sprayers)[2] and Handheld airblast equipment	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Wear chemical-resistant coveralls with a chemical-resistant hood over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear, a respirator[3] and protective eyewear (goggles or face shield).
[1] Chemical-resistant headgear includes chemical resistant Sou'wester hat, chemical-resistant rain hat or large-brimmed waterproof hat and hood with sufficient neck protection. [2] When unspecified, it is assumed that both stationary and handheld ULV equipment will be used. [3] Respirator must have a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.		

For cannabis grown indoors in greenhouses or other enclosed structures: Treatment of cannabis grown indoors in greenhouses or other enclosed structures, should be carried out at times when the areas to be treated are closed to staff, public, and customers.

When ultra-low volume applications are carried out in greenhouses or other enclosed structures, the treatment area must be well ventilated prior to entry or re-entry.

Restricted-Entry Interval (REI): DO NOT enter or allow worker entry into treated areas for 4 hours or until sprays have dried. If early entry is required, PPE must be worn, as specified by the method of application.

PPE required for early entry into the treatment area based on the application method:

Application equipment and engineering controls	Personal protective equipment for early entry
Airblast (open- or closed-cab[1]; excluding handheld airblast)	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear, headgear[2] and protective eyewear (goggles or face shield).
Field sprayers (open- or closed-cab[1]) and handheld sprayers (excluding ULV Ultra Low Volume application and handheld airblast)	Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.
Handheld sprayers - Overhead and above the waist (excluding ULV Ultra Low Volume application and handheld airblast)	Wear coveralls with a chemical-resistant hood over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-

	resistant footwear, a respirator[4] and protective eyewear (goggles or face shield).
Handheld airblast and ULV Ultra Low Volume Application (including cold foggers, thermal foggers, electrostatic sprayers)[3]	Wear chemical-resistant coveralls with a chemical-resistant hood over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear, a respirator[4] and protective eyewear (goggles or face shield).
[1] A closed-cab provides both a physical barrier and respiratory protection (such as dust/mist filtering and/or vapour/gas purification system). The closed-cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab. Chemical resistant gloves are not required in a closed-cab. [2] Chemical-resistant headgear includes chemical-resistant Sou'Wester hat, chemical-resistant rain hat or large-brimmed waterproof hat and hood with sufficient neck protection. [3] When unspecified, it is assumed that both stationary and handheld ULV equipment will be used. [4] Respirator must have a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.	

FIRST AID:

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

IF ON SKIN/CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control centre or doctor for treatment advice.

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

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

GENERAL: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS: To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

GENERAL INFORMATION: Karbonate850 Fungicide is a contact fungicide for the control or suppression of powdery mildew on field cucurbit vegetables, grapes, hops, peppers, stone fruits, and strawberries; greenhouse cucumbers, sweet peppers, tomatoes, lettuce, strawberries, and ornamental crops (Gerbera daisy, hydrangea, poinsettia); cannabis grown in greenhouses and other enclosed growing structures; and cannabis and industrial hemp grown outdoors.

IMPORTANT: Read the entire label before using Karbonate850 Fungicide.

DIRECTIONS FOR USE:

CANNABIS AND INDUSTRIAL HEMP USE

For cannabis grown in greenhouses or other enclosed growing structures, apply only during the vegetative stage.

For cannabis grown outdoors, apply only during the vegetative stage.

For industrial hemp grown outdoors for smoking and vaping, apply only during the vegetative stage.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

Ultra Low Volume Application (including cold foggers, thermal foggers, electrostatic sprayers): Apply only at 2.8 kg/ha (280 g/1000 m^2) in a MINIMUM of 40 litres of water per hectare (4 litres of water per 1000 m^2) to control or suppress diseases listed at this rate for labelled crops grown in greenhouses or enclosed indoor commercial crop production facilities.

Field sprayer application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (S572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. DO NOT apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

DO NOT apply by air.

TANK MIXING

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Belchim Crop Protection Canada, Inc. at 1-866-613-3336 for information before applying any tank mix that is not specifically recommended on this label.

When tank mixes are permitted, consult the labels of the tank mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASABE) category indicated on the labels for those tank mix partners.

MIXING INSTRUCTIONS: Karbonate850 Fungicide must be diluted with water before applying. Carefully measure and mix the recommended amounts of product and water. Fill tank with $^{1}/_{2}$ to $^{3}/_{4}$ of the selected volume of water prior to the addition of Karbonate850 Fungicide. Start mechanical or hydraulic agitation. Slowly add the required amount of Karbonate850 Fungicide to the tank. Continue to fill the tank with water to the desired volume while agitating to promote uniform distribution and prevent settling.

DO NOT MIX WITH OTHER SOLUBLE PESTICIDES OR FERTILIZERS NOT COMPATIBLE WITH MILD ALKALINE SOLUTIONS. THE ADDITION OF SURFACTANT OR WETTING AGENT TO SPRAY IS NOT REQUIRED. PRODUCT IS PRE-FORMULATED WITH THESE PRODUCTS FOR BEST PERFORMANCE. DO NOT ADJUST SPRAY SOLUTION pH AFTER MIXING OF PRODUCT. ACIDIFICATION OF SOLUTION WILL CAUSE REDUCED PRODUCT PERFORMANCE.

SPRAY APPLICATION METHOD: Do not apply this product through any type of irrigation system. For best results, use a properly calibrated sprayer and check the calibration frequently.

GREENHOUSE APPLICATION: Apply at a rate of 0.28 to 0.56 kilograms per 1000 sq. m. or 1/10 hectare. Use a sufficient volume of spray solution to obtain complete coverage of foliage and stems. Uniform and complete coverage of the foliage is essential for the most effective results. Spray volume per unit of treated area can vary depending upon plant type and stage of development. Number of applications will depend upon disease pressure. Do not exceed a use rate of 0.56 kilograms of Karbonate850 Fungicide per 1000 sq. m. or 1/10 hectare, per application. DO NOT STORE UNUSED SPRAY SOLUTION. DISPOSE OF UNUSED SOLUTION ON SITE.

FIELD/OUTDOOR APPLICATION: Apply at a rate of 2.8 to 5.6 kilograms of Karbonate850 Fungicide per hectare. Use of the lower rate (2.8 kg/ha) may reduce damage from powdery mildew infections in stone fruits. Use a minimum water volume of 500 L/ha to obtain complete coverage of foliage, stems and fruit. Uniform and complete coverage of the foliage, stems and fruit are essential for the most effective results. Spray volume per hectare can vary depending upon plant type and stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Do not exceed a use rate of 5.6 kilograms of Karbonate850 Fungicide per hectare per application. DO NOT STORE UNUSED SPRAY SOLUTION. DISPOSE OF UNUSED SOLUTION ON SITE.

MAXIMUM NUMBER OF APPLICATIONS PER YEAR: Ten (10) for all crops.

Karbonate850 Fungicide may cause phytotoxicity to certain cultivars of hydrangea.

APPLICATION TIMING: Start application at first sign of disease. Use adequate spray volume to obtain excellent coverage of foliage. For best protection, repeat at one-or two-week intervals as indicated until conditions are no longer favorable for disease development. Use the high rate (5.6 kg/ha) under conditions of moderate to high disease pressure and the low rate (2.8 kg/ha) under conditions of low to moderate disease pressure. Shorten the application interval to 7 days during rainy weather or during periods of high relative humidity.

Pre-harvest Interval: The harvest of crops is permitted on the day of application except for Cannabis and Industrial Hemp grown for smoking and vaping. Refer to application instructions for cannabis and industrial hemp for specific details.

Field Crops	Diseases	Rate (kg product/ha)	Re-application interval (days)	Spray Volume (L/ha)
Cucurbit vegetables – Crop Group 9[1]	Suppression of powdery mildew (*Podosphaera* spp., *Erysiphe* spp.)	2.8 – 5.6	7 – 14	500 – 1000
Grapes	Control of powdery mildew (*Uncinula necator)*	2.8 – 5.6	7 – 14	500 – 1000
Hops	Suppression of powdery mildew (*Podosphaera macularis)*	2.8 – 5.6	7 – 14	500 – 1000
Peppers	Control of powdery mildew (*Leveillula taurica)*	2.8 – 5.6	7	1000
Stone fruits (Peach, Cherry, Nectarine, Apricot, Plum, Prune)	Suppression of powdery mildew (*Podosphaera clandestine, Sphaerotheca pannosa)*	2.8 – 5.6	7 - 14	1000
Strawberries	Suppression of powdery mildew (*Sphaerotheca macularis*)	2.8 – 5.6	7 - 14	1000
Greenhouse Crops	**Diseases**	**Rate (kg product/ha)**	**Re-application interval (days)**	**Spray Volume (L/ha)**
Greenhouse Fruits & Vegetables				
Cucumber Sweet Pepper Tomato	Control of powdery mildew (*Podosphaera xanthii*, *Leveillula taurica*, *Oidium lycopersicon)*	5.6	7	2000
Lettuce	Suppression of powdery mildew (*Golovinomyces cichoracearum)*	2.8 – 5.6	7 - 14	1000
Strawberries	Suppression of powdery mildew (*Sphaerotheca macularis*)	2.8 – 5.6	7 - 14	1000
Greenhouse Ornamentals				
Gerbera Daisy (African Daisy)	Control of powdery mildew (*Oidium* sp.)	2.8 – 5.6	7 - 14	1000
Hydrangea	Control of powdery mildew (*Erysiphe polygoni*, *Oidium* spp.)	5.6		2000
Poinsettia	Control of powdery mildew (*Oidium* sp.)			

Other Uses

Crops	Diseases	Rate (kg product/ha)	Re-application interval (days)	Spray Volume (L/ha)
Cannabis grown in greenhouse or the other enclosed structures **Cannabis and industrial hemp grown outdoors**	Suppression of powdery mildew (*Sphaerotheca macularis*)	Greenhouse/other enclosed structures: 0.28 – 0.56 kg/1000m^2 Outdoor/Field: 2.8 – 5.6 Ensure full plant coverage	7 – 14	1000

[1]**Cucurbit vegetables (Crop Group 9)**
Chayote; Chinese waxgourd; Citron melon; Cucumber; Gherkin; Gourd (edible); *Momordica s*pp.; Muskmelon; Pumpkin; Squash (summer, winter); Watermelon

STORAGE: Store this product away from food or feed.

DISPOSAL:

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial or territorial requirements.

Disposal of unused, unwanted product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.