



A BROAD SPECTRUM, CONTACT FOLIAR FUNGICIDE, FOR CONTROL OF A VARIETY OF DISEASES ON AGRICULTURAL CROPS, TERRESTRIAL AND ORNAMENTAL PLANTS, GREENHOUSE AND NURSERY CROPS AND TURF

ACTIVE INGREDIENT:

Potassium Bicarbonate.....	85.00%
OTHER INGREDIENTS	15.00%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person drink several glasses of water. • Do not induce vomiting. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • 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 center or doctor immediately for advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND COMPLETE DIRECTIONS FOR USE.

PERSONAL PROTECTIVE EQUIPMENT (PPE)**Applicators and other handlers must wear:**

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

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables 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 the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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 cleaning equipment or disposing of equipment washwaters.

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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a cool, dry place. Prevent exposure to moisture. Keep container tightly closed and out of the reach of children. Avoid contamination with other pesticides or fertilizers.

PESTICIDE SPILL PROCEDURE: In case of a spill, carefully sweep up the material to avoid generating dust. Store in a labeled container for disposal.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then 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.

AD 070110

EPA Reg. No. 5905-541

EPA Est. No.: First letters of product batch code indicate producing establishment: 5905-AR-001=WA; 5905-GA-001=CG; 5905-IA-001=D; 5905-CA-001=KC

NET WEIGHT: 5 Lbs. (2.27 kg)

Manufactured For
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING

OPM #110158

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables 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 the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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 cleaning equipment or disposing of equipment washwaters.

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.

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) 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 4 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, waterproof gloves, shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

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, or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a cool, dry place. Prevent exposure to moisture. Keep container tightly closed and out of the reach of children. Avoid contamination with other pesticides or fertilizers.

PESTICIDE SPILL PROCEDURE: In case of a spill, carefully sweep up the material to avoid generating dust. Store in a labeled container for disposal.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then 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.

GENERAL INFORMATION

ECO-MATE® ARMICARB® "O" IS A BROAD SPECTRUM, CONTACT FOLIAR FUNGICIDE, FOR CONTROL OF A VARIETY OF DISEASES ON AGRICULTURAL CROPS, TERRESTRIAL AND ORNAMENTAL PLANTS, GREENHOUSE AND NURSERY CROPS AND TURF.

ECO-MATE® ARMICARB® "O" is applied using a **sur Final spray solution should not be below 7.0 pH.**

SPRAY APPLICATION METHOD: Do not apply this calibrated sprayer and check the calibration frequently

IMPORTANT: Read the entire label before using **ECO-** or Extension Service Specialist for additional information

MIXII

ECO-MATE® ARMICARB® "O" must be diluted with of product and water.

1. Fill tank with 1/2 to 3/4 of the selected volume of w or hydraulic agitation.
2. Slowly add the required amount of **ECO-MATE® AI**
3. Continue to fill the tank with water to the desired v

Some tank mixes may produce spray mixes that are ir **ANY PESTICIDE, THE ADDITION OF SPRAY ADJ PHYTOTOXICITY TO THE FOLIAGE AND/OR FRU**

APP

Start application at first sign of disease. For best prote able for disease development. Shorten the interval duri For appropriate crops, **ECO-MATE® ARMICARB® "O"** tering inoculum.

FIELD APPLICATION: (*California registered uses are*

Mix at a rate of 2.5 to 5.0 pounds of **ECO-MATE® ARMI** wet stems and foliage of plants. Apply a minimum of 2l can vary depending upon plant type and stage of de depend upon disease pressure. Repeat application at 1 5-7 days during periods of weather favorable to fu **ARMICARB® "O"** PER 100 GALLONS OF WATER. Di **Spray solution should be applied within 12 hours**

GREENHOUSE APPLICATION: (*California registered*

Mix at a rate of 2.5 to 5 pounds of **ECO-MATE® ARMI** wet stems and foliage of plants. Spray volume per uni Use minimum of 10-20 gallons of water per 1/10 acre will depend upon disease pressure. Repeat applicator every 5-7 days during periods of weather favorable to **ARMICARB® "O"** PER 100 GALLONS OF WATER. Di **Spray solution should be applied within 12 hours**

TURF APPLICATION: (*California registered uses are I*

Mix at a rate of 0.92 oz. to 1.84 oz. in 2.5 gallons of wa gallons per acre. Uniform and complete coverage of th tion and frequency of application will depend upon di Increase frequency of applications every 5-7 days durin OF 1.84 OZ. **ECO-MATE® ARMICARB® "O"** PER 2.5 spray solution on site. **Spray solution should be ap**

ORNAMENTAL APPLICATIONS: (*California registered*

ECO-MATE® ARMICARB® "O" is recommended for u and Residential Landscapes, Interiorscapes, Nursery, i in a field system: Mix at a rate of 2.5 to 5 pounds o solution to thoroughly wet stems and foliage of ple **Ornamentals are produced in a Greenhouse sys** 100 gallons of water. Use a minimum of 10-20 gallo systems, spray volume per acre/sq. ft. of treatment m and frequency of application will depend upon dise

ECO-MATE® ARMICARB® "O" is applied using a sufficient volume of water to insure complete coverage of all stems and foliage. **Final spray solution should not be below 7.0 pH.**

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.

IMPORTANT: Read the entire label before using **ECO-MATE® ARMICARB® "O"**. Consult your State Agricultural Experiment Station or Extension Service Specialist for additional information on timing of applications, rates, and any additional requirements or restrictions.

MIXING INSTRUCTIONS

ECO-MATE® ARMICARB® "O" must be diluted with water before applying. Carefully measure and mix the recommended amounts of product and water.

1. Fill tank with 1/2 to 3/4 of the selected volume of water prior to the addition of **ECO-MATE® ARMICARB® "O"**. Start mechanical or hydraulic agitation.
2. Slowly add the required amount of **ECO-MATE® ARMICARB® "O"** to the tank.
3. Continue to fill the tank with water to the desired volume while agitating to promote uniform distribution and prevent settling.

Some tank mixes may produce spray mixes that are incompatible. A "jar test" is recommended for unfamiliar tank mixes. **AS WITH ANY PESTICIDE, THE ADDITION OF SPRAY ADJUVANTS AND OTHER PESTICIDES TO THE SPRAY TANK MAY CAUSE PHYTOTOXICITY TO THE FOLIAGE AND/OR FRUIT OF SUSCEPTIBLE CROPS AND PLANTS.**

APPLICATION TIMING

Start application at first sign of disease. For best protection, repeat at one- to two-week intervals until conditions are no longer favorable for disease development. Shorten the interval during rainy weather or during periods of high relative humidity.

For appropriate crops, **ECO-MATE® ARMICARB® "O"** may also be applied post-harvest to remaining foliage to decrease overwintering inoculum.

FIELD APPLICATION: (California registered uses are listed in a separate section.)

Mix at a rate of 2.5 to 5.0 pounds of **ECO-MATE® ARMICARB® "O"** in 100 gallons of water. Apply mixed spray solution to thoroughly wet stems and foliage of plants. Apply a minimum of 20 gallons of mixed spray solution per acre. Spray volume per acre of treatment can vary depending upon plant type and stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Repeat application at 10- to 14-day intervals or as needed. Increase frequency of application to every 5-7 days during periods of weather favorable to fungal growth. DO NOT EXCEED A MIX RATE OF 5 POUNDS OF **ECO-MATE® ARMICARB® "O"** PER 100 GALLONS OF WATER. Do not store unused spray solution. Dispose of unused spray solution on site. **Spray solution should be applied within 12 hours of preparation.**

GREENHOUSE APPLICATION: (California registered uses are listed in a separate section.)

Mix at a rate of 2.5 to 5 pounds of **ECO-MATE® ARMICARB® "O"** in 100 gallons of water. Apply mixed spray solution to thoroughly wet stems and foliage of plants. Spray volume per unit of treated area can vary depending upon plant type and stage development. Use minimum of 10-20 gallons of water per 1/10 acre or 4,350 sq. ft. Concentration of spray solution and frequency of application will depend upon disease pressure. Repeat application at 10- to 14-day intervals or as needed. Increase frequency of application to every 5-7 days during periods of weather favorable to fungal growth. DO NOT EXCEED A MIX RATE OF 5 POUNDS OF **ECO-MATE® ARMICARB® "O"** PER 100 GALLONS OF WATER. Do not store unused spray solution. Dispose of unused spray solution on site. **Spray solution should be applied within 12 hours of preparation.**

TURF APPLICATION: (California registered uses are listed in a separate section.)

Mix at a rate of 0.92 oz. to 1.84 oz. in 2.5 gallons of water. Apply mixed spray solution at a rate of 2.5 gallons per 1,000 sq. ft., or 109 gallons per acre. Uniform and complete coverage of the foliage is essential for the most effective results. Concentration of spray solution and frequency of application will depend upon disease pressure. Repeat applications at 10- to 14-day intervals or as needed. Increase frequency of applications every 5-7 days during periods of weather favorable to fungal growth. DO NOT EXCEED A MIX RATE OF 1.84 OZ. **ECO-MATE® ARMICARB® "O"** PER 2.5 GALLONS OF WATER. Do not store unused spray solution. Dispose of unused spray solution on site. **Spray solution should be applied within 12 hours of preparation.**

ORNAMENTAL APPLICATIONS: (California registered uses are listed in a separate section.)

ECO-MATE® ARMICARB® "O" is recommended for use in the following use sites: Greenhouse, Lathhouse, Shadehouse, Commercial and Residential Landscapes, Interiorscapes, Nursery, Container Production and Field Applications. **If Ornamentals are produced in a field system:** Mix at a rate of 2.5 to 5 pounds of **ECO-MATE® ARMICARB® "O"** in 100 gallons of water. Apply mixed spray solution to thoroughly wet stems and foliage of plants. Apply a minimum of 20 gallons of mixed spray solution per acre. **If Ornamentals are produced in a Greenhouse system:** Mix at a rate of 2.5 to 5 pounds of **ECO-MATE® ARMICARB® "O"** in 100 gallons of water. Use a minimum of 10-20 gallons of mixed spray solution per 4,350 sq. ft. or 1/10 acre. In both production systems, spray volume per acre/sq. ft. of treatment may vary depending upon plant type and stage of development. Concentration and frequency of application will depend upon disease pressure. Repeat application at 10- to 14-day intervals or as needed.

Increase frequency of applications to every 5-7 days 5 POUNDS OF **ECO-MATE® ARMICARB® "O"** in unused spray solution on site. **Spray solution should be applied within 12 hours of preparation.**

AGRICULTURAL APPLICATIONS: (California registered uses are listed in a separate section.) **ECO-MATE® ARMICARB® "O"** is recommended for use in the following agricultural applications.

PHI: Preharvest Interval zero (0) days required.

FOR USE ON:

CROPS		DISEASES
Alfalfa	Control	Phoma (s) Colletotric Peronospora Botrytis (s) Erysiphe (s)
Almonds	Control	Gloeosporium Podosphe Sphaerotrichia Monilinia (s)
Apples	Control	Neofabraea Glomerella Alternaria Podosphe Phoma (fr) Botrytis (f) Elsinoe (s) Colletotric Monilinia (s) Schizothlyps
Apricots	Control	Alternaria Botrytis (s) Podosphe Sphaerotrichia Monilinia (s)
Avocado	Control	Alternaria Sphaerotrichia Glomerella
Barley	Control	Erysiphe (s) Septoria (s)
Beans (Asparagus, Dry Beans, Kidney Beans, Lima Beans, Snap Beans, Scarlet Runner)	Control	Erysiphe (s) Colletotric Botrytis (s) Ascochyta Alternaria Erysiphe (s) Sphaerotrichia

ist, use detergent and hot

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Only protected handlers
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170. This standard con-
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(PE) and restricted-entry
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dust. Store in a labeled

id waste disposal facility.
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, or, if allowed by State

**ROL OF A VARIETY OF
HOUSE AND NURSERY**



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Agricultural Experiment Station
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CARB® "O". Start mechanical

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SPRAY TANK MAY CAUSE**

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DO NOT EXCEED A MIX RATE
ay solution. Dispose of unused

use, Shadehouse, Commercial
Ornamentals are produced
s of water. Apply mixed spray
d spray solution per acre. **If**
-MATE® ARMICARB® "O" in
1/10 acre. In both production
f development. Concentration
l-day intervals or as needed.

Increase frequency of applications to every 5-7 days during conditions favorable to fungal growth. DO NOT EXCEED A MIX RATE OF 5 POUNDS OF **ECO-MATE® ARMICARB® "O"** PER 100 GALLONS OF WATER. Do not store unused spray solution. Dispose of unused spray solution on site. **Spray solution should be applied within 12 hours of preparation.**

AGRICULTURAL APPLICATIONS: (California registered uses are listed in a separate section.)

ECO-MATE® ARMICARB® "O" is recommended for use in the following use sites: Greenhouse, Orchard, Nursery, and Field Applications.

PHI: Preharvest Interval zero (0) days required on the following crops.

FOR USE ON:

CROPS		DISEASES	RATE: LBS. ARMICARB® "O" per 100 Gal. Water
Alfalfa	Control	<i>Phoma</i> (spring black stem and leaf spot) <i>Colletotrichum</i> (anthracnose) <i>Peronospora</i> (downy mildew) <i>Botrytis</i> (shoot and flower blight) <i>Erysiphe</i> (powdery mildew)	2.5-5.0
Almonds	Control	<i>Gloeosporium</i> (anthracnose, kernel rot) <i>Podospaera</i> (powdery mildew) <i>Sphaerotheca</i> (powdery mildew) <i>Monilinia</i> (blossom brown rot)	2.5-5.0
Apples	Control	<i>Neofabraea</i> (northeastern anthracnose) <i>Glomerella</i> (spot anthracnose) <i>Alternaria</i> (leaf spot, end rot, fruit rot) <i>Podospaera</i> (powdery mildew) <i>Phoma</i> (fruit rot) <i>Botrytis</i> (fruit rot) <i>Elsinoe</i> (spot anthracnose) <i>Colletotrichum</i> (fruit anthracnose) <i>Monilinia</i> (brown rot) <i>Schizothyrium</i> (fly speck)	2.5-5.0
Apricots	Control	<i>Alternaria</i> (blossom end rot, fruit spot) <i>Botrytis</i> (green fruit rot, gummosis) <i>Podospaera</i> (powdery mildew) <i>Sphaerotheca</i> (powdery mildew) <i>Monilinia</i> (brown rot, blossom blight)	2.5-5.0
Avocado	Control	<i>Alternaria</i> (fruit rot) <i>Sphaceloma</i> (spot anthracnose) <i>Glomerella</i> (anthracnose)	2.5-5.0
Barley	Control	<i>Erysiphe</i> (powdery mildew) <i>Septoria</i> (leaf blight, leaf spot)	2.5-5.0
Beans (Asparagus, Dry Beans, Kidney Beans, Lima Beans, Snap Beans, Scarlet Runner)	Control	<i>Erysiphe</i> (powdery mildew) <i>Colletotrichum</i> (anthracnose) <i>Botrytis</i> (gray mold blight) <i>Ascochyta</i> (leaf and pod spot) <i>Alternaria</i> (leaf spot) <i>Erysiphe</i> and <i>Microsphaera</i> (powdery mildew) <i>Sphaceloma</i> (spot anthracnose)	2.5-5.0

CROPS		DISEAS
Blueberries	Control	<i>Gloeos Glome. Botryti. Septor Phoma Altern Monilir Micros</i>
Brassica Crops: (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Kale, Kohlrabi, Mustard Greens, Radicchio, Turnip)	Control	<i>Phoma Botryti. Peronc Altern Erysip Colletc</i>
Caneberries: (Blackberry, Gooseberry, Raspberry, Huckleberry)	Control	<i>Peronc Gloeoc Septor Micros Botryti. Pseud Sphac Gloeos Monilir</i>
Cherries	Control	<i>Botryti. Altern Podosp Monilin</i>
Citrus	Control	<i>Glome. Altern Oidiurr Botryti. Elsinoe Gloeos Gloeoc</i>
Cucumber	Control	<i>Colletc Altern Pseud Ascocl Septor Erysip Botryti Gloeos</i>



DO NOT EXCEED A MIX RATE OF
nused spray solution. Dispose of
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use, Orchard, Nursery, and Field

RATE: LBS. ARMICARB® "O" per 100 Gal. Water
2.5–5.0
2.5–5.0
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2.5–5.0
2.5–5.0
2.5–5.0
2.5–5.0
2.5–5.0
2.5–5.0

CROPS		DISEASES	RATE: LBS. ARMICARB® "O" per 100 Gal. Water
Blueberries	Control	<i>Gloeosporium</i> (anthracnose) <i>Glomerella</i> (anthracnose, berry rot) <i>Botrytis</i> (botrytis blight, blossom, fruit, twig canker) <i>Septoria</i> (leaf spot) <i>Phoma</i> (phoma canker) <i>Alternaria</i> (canker, leaf spot, berry rot) <i>Monilinia</i> (brown rot, mummy berry) <i>Microsphaeria</i> (powdery mildew)	2.5–5.0
Brassica Crops: (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Kale, Kohlrabi, Mustard Greens, Radicchio, Turnip)	Control	<i>Phoma</i> (blackleg, leaf spot) <i>Botrytis</i> (gray mold blight) <i>Peronospora</i> (downy mildew) <i>Alternaria</i> (gray leaf spot, black leaf spot) <i>Erysiphe</i> (powdery mildew) <i>Colletotrichum</i> (anthracnose)	2.5–5.0
Caneberries: (Blackberry, Gooseberry, Raspberry, Huckleberry)	Control	<i>Peronospora</i> , <i>Plasmopara</i> (powdery mildew) <i>Gloeodes</i> (sooty blotch) <i>Septoria</i> (leaf spot) <i>Microsphaera</i> , <i>Sphaerotheca</i> , <i>Phyllactinia</i> (powdery mildew) <i>Botrytis</i> (gray mold rot, coral spot) <i>Pseudopeziza</i> , <i>Glomerella</i> (anthracnose, spot anthracnose) <i>Sphaceloma</i> , <i>Elsinoe</i> (spot anthracnose) <i>Gloeosporium</i> (gray bark, anthracnose) <i>Monilinia</i> (brown rot)	2.5–5.0
Cherries	Control	<i>Botrytis</i> (fruit rot) <i>Alternaria</i> (leaf spot, fruit rot) <i>Podosphaera</i> (powdery mildew) <i>Monilinia</i> (blossom rot, brown rot, seedling, twig, shoot leaf blight)	2.5–5.0
Citrus	Control	<i>Glomerella</i> (anthracnose) <i>Alternaria</i> (brown spot blight, fruit blight, tar spot, black rot) <i>Oidium</i> (powdery mildew) <i>Botrytis</i> (gray mold rot) <i>Elsinoe</i> (spot anthracnose) <i>Gloeosporium</i> (anthracnose, fruit rot) <i>Gloeodes</i> (sooty blotch)	2.5–5.0
Cucumber	Control	<i>Colletotrichum</i> (anthracnose) <i>Alternaria</i> (leaf blight, leaf spot) <i>Pseudoperonospora</i> (downy mildew) <i>Ascochyta</i> (leaf spot) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> , <i>Sphaerotheca</i> , <i>Leveillula</i> (powdery mildew) <i>Botrytis</i> (fruit rot) <i>Gloeosporium</i> (spot anthracnose)	2.5–5.0

CROPS		DISI
Eggplant	Control	<i>Coli</i> <i>Alte</i> <i>Per</i> <i>Bot</i> <i>Asc</i> <i>Sep</i> <i>Erys</i>
Endive, Chicory, Escarole	Control	<i>Bre</i> <i>Alte</i> <i>Erys</i> <i>Bot</i>
Grape	Control	<i>Plas</i> <i>Coli</i> <i>Glo</i> <i>Sep</i> <i>Unc</i> <i>Alte</i> <i>Bot</i> <i>Phc</i> <i>Elsii</i>
Herbs: Basil Oregano Rosemary Sage Thyme	Control	<i>Coli</i> <i>Erys</i> <i>Erys</i> <i>Per</i> <i>Erys</i> <i>Bot</i>
Hops	Control	<i>Coli</i> <i>Pse</i> <i>Sep</i> <i>Erys</i>
Lettuce	Control	<i>Mar</i> <i>Bre</i> <i>Alte</i> <i>Sep</i> <i>Erys</i> <i>Bot</i>
Mango	Control	<i>Glo</i> <i>Sep</i> <i>Old</i> <i>Elsii</i>
Melons: (Cantaloupe, Crenshaw, Honeydew, Muskmelon, Watermelon)	Control	<i>Coli</i> <i>Alte</i> <i>Pse</i> <i>Sep</i> <i>Erys</i>
Nectarine	Control	<i>Poc</i> <i>Mor</i>

	RATE: LBS. ARMICARB® "0" per 100 Gal. Water
	2.5–5.0
	2.5–5.0
dew) ose)	2.5–5.0
	2.5–5.0
if blight)	2.5–5.0
< rot)	2.5–5.0
	2.5–5.0

CROPS		DISEASES	RATE: LBS. ARMICARB® "0" per 100 Gal. Water
Eggplant	Control	<i>Colletotrichum</i> , <i>Gloeosporium</i> , <i>Glomerella</i> (anthracnose) <i>Alternaria</i> (early blight) <i>Peronospora</i> (downy mildew) <i>Botrytis</i> (gray mold rot) <i>Ascochyta</i> (leaf spot) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew)	2.5–5.0
Endive, Chicory, Escarole	Control	<i>Bremia</i> (downy mildew) <i>Alternaria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold rot)	2.5–5.0
Grape	Control	<i>Plasmopara</i> (downy mildew) <i>Colletotrichum</i> (fruit anthracnose) <i>Glomerella</i> (anthracnose) <i>Septoria</i> (leaf spot) <i>Uncinula</i> (powdery mildew) <i>Alternaria</i> (fruit spot) <i>Botrytis</i> (gray mold rot) <i>Phoma</i> (fruit rot) <i>Elsinoe</i> (spot anthracnose, bird's eye rot)	2.5–5.0
Herbs: Basil Oregano Rosemary Sage Thyme	Control	<i>Colletotrichum</i> (black spot) <i>Erysiphe</i> (powdery mildew) <i>Erysiphe</i> (powdery mildew) <i>Peronospora</i> (downy mildew) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold blight)	2.5–5.0
Hops	Control	<i>Colletotrichum</i> , <i>Glomerella</i> (anthracnose) <i>Pseudoperonospora</i> (downy mildew) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> , <i>Sphaerotheca</i> (powdery mildew)	2.5–5.0
Lettuce	Control	<i>Marssonina</i> (powdery mildew) <i>Bremia</i> (downy mildew) <i>Alternaria</i> (leaf spot) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold rot)	2.5–5.0
Mango	Control	<i>Glomerella</i> (anthracnose) <i>Septoria</i> (leaf spot) <i>Oidium</i> (powdery mildew) <i>Elsinoe</i> (spot anthracnose)	2.5–5.0
Melons: (Cantaloupe, Crenshaw, Honeydew, Muskmelon, Watermelon)	Control	<i>Colletotrichum</i> , <i>Marssonina</i> (anthracnose) <i>Alternaria</i> (leaf blight, black mold, leaf spot) <i>Pseudoperonospora</i> (downy mildew) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew)	2.5–5.0
Nectarine	Control	<i>Podosphaera</i> , <i>Sphaerotheca</i> (powdery mildew) <i>Monilinia</i> (twig blight, brown rot)	2.5–5.0



CROPS		DISEASES	RATE: LBS. ARMICARB® "O" per 100 Gal. Water
Okra	Control	<i>Colletotrichum</i> (anthracnose, pod spot) <i>Ascochyta</i> , <i>Alternaria</i> <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (pod spot)	2.5–5.0
Peas	Control	<i>Colletotrichum</i> (leaf and pod spot, anthracnose) <i>Peronospora</i> (downy mildew) <i>Ascochyta</i> (leaf blight) <i>Alternaria</i> (leaf blight) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold rot)	2.5–5.0
Peaches	Control	<i>Podosphaera</i> , <i>Sphaerotheca</i> (powdery mildew) <i>Botrytis</i> (gray mold) <i>Monilinia</i> (blossom and twig blight, brown rot) <i>Glomerella</i> (anthracnose rot)	2.5–5.0
Pears	Control	<i>Neofabraea</i> (northwestern anthracnose) <i>Elsinoe</i> (spot anthracnose) <i>Phoma</i> (fruit rot) <i>Podosphaera</i> (powdery mildew) <i>Botrytis</i> (blossom and twig blight) <i>Alternaria</i> (fruit rot) <i>Gloeodes</i> (sooty blotch) <i>Monilinia</i> (brown rot, blossom rot) <i>Glomerella</i> (anthracnose)	2.5–5.0
Pecans	Control	<i>Glomerella</i> (anthracnose) <i>Septoria</i> (leaf spot) <i>Microsphaera</i> (powdery mildew) <i>Elsinoe</i> (spot anthracnose)	2.5–5.0
Peppers	Control	<i>Gloeosporium</i> , <i>Glomerella</i> , <i>Colletotrichum</i> (spot and fruit anthracnose, fruit rot, ripe rot) <i>Peronospora</i> (downy mildew) <i>Ascochyta</i> (leaf spot) <i>Leveillula</i> (powdery mildew) <i>Alternaria</i> (black rot, early blight) <i>Phoma</i> (fruit rot) <i>Botrytis</i> (gray mold rot)	2.5–5.0
Pistachio	Control	<i>Botrytis</i> (shoot blight) <i>Septoria</i> (leaf spot)	2.5–5.0
Plums, Prunes	Control	<i>Botrytis</i> (blossom and twig blight, fruit rot) <i>Alternaria</i> (fruit rot) <i>Monilinia</i> (blossom blight, twig blight, brown rot) <i>Septoria</i> (leaf spot, shot hole) <i>Podosphaera</i> (powdery mildew)	2.5–5.0

CROPS		DISEASES
Potatoes	Control	<i>Gloeosporium</i> (ar <i>Colletotrichum</i> (b <i>Alternaria</i> (early t <i>Ascochyta</i> (leaf s <i>Erysiphe</i> , <i>Oidium</i> <i>Botrytis</i> (gray mo
Spinach	Control	<i>Colletotrichum</i> (a <i>Peronospora</i> (do
Squash: (Acorn, Pumpkin, Summer, Winter, Zucchini)	Control	<i>Colletotrichum</i> (a <i>Gloeosporium</i> (st <i>Alternaria</i> (fruit ro <i>Pseudoperonosp</i> <i>Ascochyta</i> , <i>Sept</i> <i>Erysiphe</i> , <i>Sphaer</i> <i>Phoma</i> (fruit rot, ; <i>Botrytis</i> (gray mo
Strawberry	Control	<i>Colletotrichum</i> (a <i>Gloeosporium</i> (ar <i>Botrytis</i> (gray mo <i>Sphaerotheca</i> (pc <i>Peronospora</i> (do
Sweet Potato	Control	<i>Alternaria</i> , <i>Septo</i> <i>Botrytis</i> (gray mo
Tomatoes	Control	<i>Glomerella</i> , <i>Colle</i> <i>Alternaria</i> (early t <i>Botrytis</i> (gray mo <i>Peronospora</i> (do <i>Phoma</i> (fruit rot) <i>Ascochyta</i> , <i>Sept</i> <i>Erysiphe</i> , <i>Leveillu</i>
Walnut	Control	<i>Gnomonia</i> (anthr <i>Ascochyta</i> (ring s <i>Alternaria</i> (nut mc <i>Phyllactinia</i> , <i>Micr</i>
Wheat	Control	<i>Alternaria</i> (black l <i>Septoria</i> (leaf anc <i>Ascochyta</i> (leaf s <i>Colletotrichum</i> (a <i>Erysiphe</i> (powder <i>Sclerophthora</i> (do



RATE: LBS. ARMICARB® "O" per 100 Gal. Water
2.5-5.0
2.5-5.0
2.5-5.0
2.5-5.0
2.5-5.0
2.5-5.0
2.5-5.0
2.5-5.0
2.5-5.0

TURF APPLICATION: (California registered uses are listed in a separate section.)

ECO-MATE® ARMICARB® "O" is recommended for use in the following use sites: Commercial and residential lawns, golf course, and other commercial turf grass sites.

PHI: Preharvest Interval zero (0) days required

FOR USE ON:

Bentgrass	Bluegrass, Kentucky, annual	Fescue, fine, tall, chewings, red	St. Augustinegrass
Bermudagrass	Centipedegrass	Ryegrass, perennial, annual	Zoysiagrass

DISEASES CONTROLLED

Alternaria leaf spot	Ascochyta blight	Helminthosporium leaf spot	Septoria leaf spot
Anthraxnose	Downy mildew	Powdery mildew	

ORNAMENTAL APPLICATIONS: (California registered uses are listed in a separate section.)

PHI: Preharvest Interval zero (0) days required for the following plant types.

PLANT TYPES

Annual and perennial flowers	Woody and herbaceous ornamentals
Woody and ornamental shade trees	Ornamental nut and fruit trees

FOR USE ON:

Ageratum	Crape Myrtle	Impatiens	Plum-Ornamental
Ajuga	Crassula	Iris	Poinsettia
Almond-Ornamental	Croton	Juniper	Poppy
Alyssum	Delphinium	Kalanchoe	Pothos
Andromeda	Dianthus	Lavender	Primrose
Aphelandra	Dizygotheca	Lemon balm	Privet
Apple-Ornamental	Dogwood	Lipstick balm	Protea
Apricot-Ornamental	English Ivy	Lipstick Vine	Prune-Ornamental
Artemisia	Episcia	(Aeschynanthus)	Pulmonaria
Aster	Euonymus	Marigold	Pyracantha
Azalea	Fern	Monarda (Bee Balm)	Rhododendron
Boxwood	Forsythia	Nectarine-Ornamental	Rose
Calendula	Gazania	Pachysandra	Rose-of-Sharon
Carnation	Geranium	Palm	Schefflera
Centaurea montana	Gladiolus	Pansy	Snapdragon
Cherry-Ornamental	Gloxinia	Peach-Ornamental	Statice
Chrysanthemum	Gypsophyllia	Peperomia	Tree Ivy
Cineraria	Hawthorn	Periwinkle	Verbena
Citrus	Heliopsis scabra	Philodendron	Verbena
Coleus	Hibiscus	Phlox	Violet
Columbine	Holly	Pilea	Zinnia
Coral Bells	Hoya	Pine	
(Heuchera)	Hydrangea	Pittosporum	

DISEASES CONTROLLED

Alternaria blight	Corynespora leaf spot	Ink spot	Scab
Anthraxnose	Didymellina leaf spot	<i>Ovulinia</i> sp.	Septoria leaf spot
Ascochyta blight	Diplodia tip blight	Phomopsis blight	
Black Spot	Entomosporium leaf spot	Powdery mildew	
Botrytis blight	Fusarium	Ramularia leaf spot	
Botrytis gray mold	Helminthosporium leaf spot	Ray blight	

CALIFORNIA REGISTERED USES:

PHI: Preharvest Interval zero (0) days required

For use on:

Acorn squash	Cucumber
Almond*	Endive
Apples*	Escarole
Apricot*	Grapes
Cantaloupe	Honeydew
Cherries*	Lettuce
Chicory	Muskmelon
Crenshaw melon	Peach*

*Ornamental and fruiting varieties

DISEASES CONTROLLED

Downy mildew (Agricultural Crops Only)
Powdery mildew

CONDITIONS AND LIMITATION

Read the Conditions of Sale - Warranty and Liability are not acceptable, return the product, unopened.

The directions on this label are believed to be reliable crop to which the product is applied may result from the label directions or good application practice ("Company") or seller. In addition, failure to follow the Company warrants that this product conforms to the directions for use subject to the factors not other warranties or representations of any kind, or merchantability or fitness for any particular purpose, or

The exclusive remedy against the Company for any at Helena Chemical Company's election, one of the

1. Refund of the purchase price paid by buyer or user
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable for incidental, or consequential damages or expenses. The Company and the seller offer this product and the label of warranty, liability and remedies.

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residential lawns, golf course,

St. Augustinegrass
Zoysiagrass

Septoria leaf spot

is

Plum-Ornamental
Poinsettia
Poppy
Pothos
Primrose
Privet
Protea
Prune-Ornamental
Pulmonaria
Pyracantha
Rhododendron
Rose
Rose-of-Sharon
Schefflera
Snapdragon
Statice
Tree Ivy
Verbena
Viburnum
Violet
Zinnia

Scab
Septoria leaf spot

CALIFORNIA REGISTERED USES:

PHI: Preharvest Interval zero (0) days required on the following crops.

For use on:

Acorn squash	Cucumber	Pear	Spinach
Almond*	Endive	Pepper	Strawberries
Apples*	Escarole	Pistachio	Summer Squash
Apricot*	Grapes	Plum*	Tomato
Cantaloupe	Honeydew	Prune*	Walnut
Cherries*	Lettuce	Pumpkin	Watermelon
Chicory	Muskmelon	Radicchio	Winter squash
Crenshaw melon	Peach*	Rose	Zucchini

*Ornamental and fruiting varieties

DISEASES CONTROLLED

Downy mildew (Agricultural Crops Only)
Powdery mildew

**CONDITIONS OF SALE – LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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**A BROAD SPECTRUM, CONTACT
ON AGRICULTURAL CROPS, TE
NURSERY CROPS AND TURF**

ACTIVE INGREDIENT:

Potassium Bicarbonate

OTHER INGREDIENTS

TOTAL

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Causes moderate eye irritation. Wash water after handling.

IF SWALLOWED:	<ul style="list-style-type: none"> • Call poison center • Have person drink water • Do not induce vomiting • Do not give anything by mouth to unconscious person
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for at least 15 minutes • Remove contact lenses, if present and easy to do • Continue rinsing

Have the product container or label with you at all times. For more information, also contact 1-800-424-9300 for emergency information.

SEE INSIDE BOOKLET FOR ADDITIONAL INFORMATION.

AD 070110
EPA Reg. No. 5905-541
EPA Est. No.: First letters of product name
5905-AR-001=WA • 5905-GA-001=CG •



