

5905-541

10/31/2002

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(*EDITOR'S NOTE: Only the correct weight will appear on final product label)

ARMICARB®100

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

This package can treat up to ____ acre(s) at the recommended maximum treatment rate.

ACTIVE INGREDIENT:

Potassium Bicarbonate.....85.00%

OTHER INGREDIENTS.....15.00%

TOTAL.....100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Inside Panel For Additional Precautionary Statements

EPA REG. NO. 5905-541
EPA EST. NO.

NET WEIGHT: 5 lbs.
25 lbs.

MANUFACTURED BY
HELENA CHEMICAL COMPANY
225 SCHILLING BLVD. SUITE 300
COLLIERVILLE, TENNESSEE 38017

ACCEPTED
OCT 31 2002
Under the Federal Insecticides,
Fungicides, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 5905-541

**PRECAUTIONARY STATEMENTS
HAZARD 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 for treatment 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.	

PERSONAL PROTECTIVE EQUIPMENT

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, 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: 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

ARMICARB®100 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.

ARMICARB® 100 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 **ARMICARB® 100**. 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

ARMICARB® 100 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 **ARMICARB® 100**. Start mechanical or hydraulic agitation.
2. Slowly add the required amount of **ARMICARB® 100** 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, **ARMICARB® 100** 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 **ARMICARB® 100** 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 – 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 ARMICARB® 100 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 **ARMICARB® 100** 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 4350 sq. ft. Concentration of spray solution and frequency of application will depend upon disease pressure. Repeat application at 10 – 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 ARMICARB® 100 PER 100 GALLONS OF WATER.** Do not store unused spray solution. Dispose of unused solution on site. **Spray solution should be applied within 12 hours of preparation.**

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

Mix at a rate of .92 oz. to 1.84 oz. in 2.5 gallons of water. Apply mixed spray solution at a rate of 2.5 gallons per 1000 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 – 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. ARMICARB® 100 PER 2.5 GALLONS OF WATER.** Do not store unused spray solution. Dispose of unused solution on site. **Spray solution should be applied within 12 hours of preparation.**

ORNAMENTAL APPLICATIONS: (California registered uses are listed in a separate section.) **ARMICARB® 100** 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 **ARMICARB® 100** in a 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 **ARMICARB® 100** in 100 gallons of water. Use a minimum of 10 – 20 gallons of mixed spray solution per 4350 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 –14 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 ARMICARB® 100 PER 100 GALLONS OF WATER.** Do not store unused spray solution. Dispose of unused solution on site. **Spray solution should be applied within 12 hours of preparation.**

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

ARMICARB® 100 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.

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FOR USE ON:

CROPS		DISEASES	RATE ARMICARB® 100 in 100 Gal. Water per pound
Alfalfa	Control	<i>Phoma</i> (spring black stem and leaf spot) <i>Cercospora</i> (summer blackstem 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, kemal rot) <i>Cercospora</i> (leaf spot) <i>Podosphaera</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>Cercospora</i> (leaf spot) <i>Glomerella</i> (spot anthracnose) <i>Alternaria</i> (leaf spot, end rot, fruit rot) <i>Podosphaera</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>Cercospora</i> (leaf spot) <i>Podosphaera</i> (powdery mildew) <i>Sphaerotheca</i> (powdery mildew) <i>Monilinia</i> (brown rot, blossom blight)	2.5-5.0
Avocado	control	<i>Cercospora</i> (blotch, fruit spot) <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>Cercospora</i> (leaf spot) <i>Erysiphe and Microsphaera</i> (powdery mildew) <i>Sphaceloma</i> (spot anthracnose)	2.5-5.0
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, gummy berry) <i>Microsphaera</i> (powdery mildew)	2.5-5.0
Brassica Crops: (Broccoli, Brussel 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>Cercospora</i> (leaf spot, gray leaf spot, white leaf spot) <i>Erysiphe</i> (powdery mildew) <i>Colletotrichum</i> (anthracnose)	2.5-5.0
Caneberries: (Blackberry, Gooseberry, Raspberry, Huckleberry)	control	<i>Peronospora, Plasmopara</i> (powdery mildew) <i>Gloeodes</i> (sooty blotch) <i>Septoria</i> (leaf spot) <i>Microsphaera, Sphaerotheca, Phyllactinia</i> (powdery mildew) <i>Cercospora</i> (double blossom rosette, leaf spot) <i>Botrytis</i> (gray mold rot, coral spot) <i>Pseudopeziza, Glomerella</i> (anthracnose, spot anthracnose) <i>Sphaceloma, Elsinoe</i> (spot anthracnose) <i>Gloeosporium</i> (gray bark, anthracnose) <i>Monilinia</i> (brown rot) <i>Alternaria</i> (fruit rot)	2.5-5.0

CROPS		DISEASES	RATE ARMICARB® 100 in 100 Gal. Water per pound
Cherries	control	<i>Botrytis</i> (fruit rot) <i>Cereospora</i> (leaf spot) <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>Cercospora</i> (leaf spot, tar spot) <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>Cercospora</i> (leaf spot) <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 2.5-5.0
Edible Beets and Sugar beets	control	<i>Peronospora</i> (downy mildew) <i>Alternaria</i> (leaf spot) <i>Cercospora</i> (leaf spot) <i>Gloeosporium</i> (spot anthracnose) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew)	2.5-5.0
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>Cercospora</i> (leaf spot) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew)	2.5-5.0
Endive, Chickory, Escarole	control	<i>Bremia</i> (downy mildew) <i>Alternaria</i> (leaf spot) <i>Cercospora</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>Cercospora</i> (leaf spot) <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>Cercospora</i> (leaf spot) <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>Cercospora</i> (leaf spot) <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold rot)	2.5-5.0

CROPS		DISEASES	RATE ARMICARB® 100 in 100 Gal. Water per pound
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>Cercospora</i> (leaf spot) <i>Setporia</i> (leaf spot) <i>Erysiphe</i> (powdery mildew)	2.5-5.0
Nectarine	control	<i>Podospheara</i> , <i>Sphaerotheca</i> (powdery mildew) <i>Monilinia</i> (twig blight, brown rot)	2.5-5.0
Okra	control	<i>Colletotrichum</i> (anthracnose, pod spot) <i>Ascochyta</i> , <i>Alternaria</i> , <i>Cercospora</i> , (leaf spot) <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>Cercospora</i> , <i>Septoria</i> (leaf spot) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold rot)	2.5-5.0
Peaches	control	<i>Podospheara</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>Cercospora</i> (leaf spot) <i>Podospheara</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 control	<i>Glomerella</i> (anthracnose) <i>Septoria</i> (leaf spot) <i>Cercospora</i> (brown 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>Cercospora</i> (frog-eye, leaf spot, stem-end rot) <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>Cercospora</i> (leaf spot, shot hole) <i>Septoria</i> (leaf spot, shot hole) <i>Podospheara</i> (powdery mildew)	2.5-5.0
Potatoes	control	<i>Gloeosporium</i> (anthracnose) <i>Colletotrichum</i> (black dot disease) <i>Alternaria</i> (early blight) <i>Cercospora</i> (leaf blotch) <i>Ascochyta</i> (leaf spot) <i>Erysiphe</i> , <i>Oidium</i> (powdery mildew) <i>Botrytis</i> (gray mold rot, shoot blight)	2.5-5.0
Rice	control	<i>Rhizoctonia solani</i> (sheath blight)	0.5-5.0

CROPS		DISEASES	RATE ARMICARB® 100 in 100 Gal. Water per pound
Soybean	control	<i>Glomerella, Colletotrichum</i> (anthracnose) <i>Botrytis</i> (gray mold blight, leaf spot) <i>Peronospora</i> (downy mildew) <i>Alternaria</i> (leaf spot) <i>Erysiphe, Microsphaera</i> (powdery mildew) <i>Septoria</i> (brown leaf spot) <i>Cercospora</i> (leaf spot, leaf and stem disease) <i>Rhizoctonia Soaini</i> (aerial web blight)	0.5-5.0
Spinach	control	<i>Colletotrichum</i> (anthracnose) <i>Peronospora</i> (downy mildew) <i>Cercospora, Alternaria</i> (leaf spot)	2.5-5.0
Squash: (Acorn, Pumpkin, Summer, Winter, Zucchini)	control	<i>Colletotrichum</i> (anthracnose) <i>Gloeosporium</i> (spot anthracnose) <i>Alternaria</i> (fruit rot, leaf blight) <i>Pseudoperonospora</i> (downy mildew) <i>Ascochyta, Cercospora, Septoria</i> (leaf spot) <i>Erysiphe, Sphaerotheca</i> (powdery mildew) <i>Phoma</i> (fruit rot, stem rot, leaf spot) <i>Botrytis</i> (gray mold, fruit rot)	2.5-5.0
Strawberry	control	<i>Colletotrichum</i> (anthracnose, fruit anthracnose) <i>Gloeosporium</i> (anthracnose, spot anthracnose) <i>Botrytis</i> (gray mold blight) <i>Sphaerotheca</i> (powdery mildew) <i>Peronospora</i> (downy mildew) <i>Cercospora</i> (leaf spot)	2.5-5.0
Sweet potato	control	<i>Alternaria, Cercospora, Septoria</i> (leaf spot) <i>Botrytis</i> (gray mold rot)	2.5-5.0
Tomatoes	control	<i>Glomerella, Colletotrichum</i> (anthracnose, black dot disease) <i>Alternaria</i> (early blight, black mold, fruit rot, nailhead spot rot) <i>Botrytis</i> (gray mold rot, ghost spot) <i>Peronospora</i> (downy mildew) <i>Phoma</i> (fruit rot) <i>Ascochyta, Cercospora, Septoria</i> (leaf spot) <i>Erysiphe, Leveillula, Oidiopsis, Oidium</i> (powdery mildew)	2.5-5.0
Walnut	control	<i>Gnomonia</i> (anthracnose) <i>Cercospora</i> (leaf spot) <i>Ascochyta</i> (ring spot) <i>Alternaria</i> (nut mold) <i>Phyllactinia, Microsphaera, Erysiphe</i> (powdery mildew)	2.5-5.0
Wheat	control	<i>Alternaria</i> (black head mold, black point) <i>Septoria</i> (leaf and glume blotch) <i>Ascochyta</i> (leaf spot) <i>Colletotrichum</i> (anthracnose) <i>Erysiphe</i> (powdery mildew) <i>Sclerophthora</i> (downy mildew)	2.5-5.0

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

ARMICARB® 100 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
Bermudagrass
Bluegrass, Kentucky, annual
Centipedegrass
Fescue, fine, tall, chewings, red
Ryegrass, perennial, annual
St. Augustinegrass
Zoysiagrass

DISEASES CONTROLLED

Alternaria leaf spot	Downy mildew
Anthrachnose	Helminthosporium leaf spot
Ascochyta blight	Powdery mildew
Cercospora leaf spot	Septoria leaf spot

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 ornamental shade trees
Woody and herbaceous ornamentals
Ornamental nut and fruit trees

FOR USE ON:

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

DISEASES CONTROLLED

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

CALIFORNIA REGISTERED USES:

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

For use on:



(*EDITOR'S NOTE: Only the correct weight will appear on final product label)

Acorn squash
Almond *
Apples*
Apricot *
Cantaloupe
Cherries *
Chicory
Crenshaw melon
Cucumber
Endive
Escarole
* Ornamental and fruiting varieties

Grapes
Honeydew
Lettuce
Muskmelon
Peach *
Pear
Pepper
Pistachio
Plum *
Prune *
Pumpkin

Radicchio
Rose
Spinach
Strawberries
Summer Squash
Tomato
Walnut
Watermelon
Winter squash
Zucchini

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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