

5905-541

07-01-2010

1/12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUL 01 2010

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Cheryl Wagner
Agent for Helena Chemical Company
C/o Wagner Regulatory Associates, Inc.
P.O. Box 640
Hockessin, DE 19707

RE: Product Name: Armicarb 100
EPA Reg. No: 5905-541
Application for Label Notification Dated June 16, 2010 to update the storage and disposal statement per PR Notice 2007-4

Dear Mrs. Wagner:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration (PR) Notice 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PR Notice 98-10 and it has been determined that the action(s) requested falls within the scope of PR Notice 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

If you have any questions concerning this action, please feel free to contact Ms. Menyon Adams at (703) 347-8496 or email at adams.menyon@epa.gov.

Sincerely,

Linda Hollis

Linda Hollis, Chief
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention
Division (7511P)



United States
Environmental Protection Agency
 Washington, DC 20460

<input checked="" type="checkbox"/> Registration	OPP Identifier Number
<input type="checkbox"/> Amendment	
<input type="checkbox"/> Other	

Application for Pesticide - Section I

1. Company/Product Number 5905-541	2. EPA Product Manager Andrew Bryceland	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Armicarb 100	PM# BPPD 91	
5. Name and Address of Applicant (Include Zip Code) Helena Chemical Company c/o Wagner Regulatory Associates, Inc. P.O. Box 640 Hockessin, DE 19707 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name	

Notification Accepted

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	Date: JUL 01 2010
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application	Reviewer: M Adams
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)
 Notification of label change per PR Notice 2007-4. This notification is consistent with the provisions of PR Notice 2007-4 and EPA Regulations at 40 CFR 156.10, 154.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) HDPE lined bags	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 lb., 5 lb., 50 lb.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other adhesive backed label _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Cheryl Wagner		Title Agent for Helena Chemical Company		Telephone No. (Include Area Code) (302) 234 8551	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.				6. Date Application Received (Stamped)	
2. Signature <i>Cheryl Wagner</i>		3. Title Agent for Helena Chemical Company			
4. Typed Name Cheryl Wagner		5. Date June 16, 2010			

June 16, 2010



Wagner Regulatory Associates, Inc.
P.O. Box 640
7460 Lancaster Pike, Suite 9
Hockessin, Delaware 19707

Document Processing Desk (NOTIF)
ATTN: Mr. Andrew Bryceland
Biopesticides and Pollution Prevention Division (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, Virginia 22202-4501

Dear Mr. Bryceland:

Re: Armicarb 100
EPA Registration Number **5905-541**
Notice of Revised Storage & Disposal Label Language

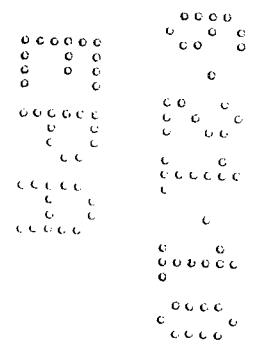
Wagner Regulatory Associates, Inc., on behalf of Helena Chemical Company, hereby notifies the Agency that the storage and disposal section of the subject label as been revised in accordance with PR Notice 2007-4. Enclosed for the Agency's file is:

- Letter from Helena Chemical Company authorizing Wagner Regulatory to serve as Agent
- EPA Notification form (EPA Form 8570-1)
- One copy of revised labeling

Please feel free to contact me at (302) 234-8551 if you have any questions or require additional information.

Respectfully submitted,

Cheryl Wagner
Agent for Helena Chemical Company



ARMICARB® 100

SPECIMEN LABEL

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-AA NET WEIGHT:

EPA EST. NO. SN 1102/1003

MANUFACTURED FOR

HELENA CHEMICAL COMPANY

225 SCHILLING BLVD. SUITE 300

COLLIERVILLE, TENNESSEE 38017

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:

- 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:

- 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

Disclaimer: Always refer to the label on the product before using Helena or any other product.

- 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.

Notification Accepted

Date: JUL 01 2010

Reviewer: M Adams

SPECIMEN LABEL

5
12

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 incinerations, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[See Container for Batch Code]

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**

Deleted: 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.

Disclaimer: Always refer to the label on the product before using Helena or any other product.
16 June 2010 revised storage & disposal

6
12

SPECIMEN LABEL

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 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.

Deleted: a

SPECIMEN LABEL

FOR USE ON:

CROPS		DISEASES	RATE: LBS ARMICARB® 100 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, kernal 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 and Microspora</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, mummy berry) <i>Microspora</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>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>Microspora, Sphaerotheca, Phyllactinia</i> (powdery mildew) <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)	2.5-5.0

Disclaimer: Always refer to the label on the product before using Helena or any other product.
15 June 2010 revised storage & disposal

8
12

SPECIMEN LABEL

CROPS		DISEASES	RATE: LBS ARMICARB® 100 per 100 Gal. Water
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, Sphaerotheca, Leveillula</i> (powdery mildew) <i>Botrytis</i> (fruit rot) <i>Gloeosporium</i> (spot anthracnose)	2.5-5.0
Eggplant	Control	<i>Colletotrichum, Gloeosporium, 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, Chickory, 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> (downey mildew) <i>Erysiphe</i> (powdery mildew) <i>Botrytis</i> (gray mold blight)	2.5-5.0
Hops	Control	<i>Colletotrichum, Glomerella</i> (anthracnose) <i>Pseudoperonospora</i> (downy mildew) <i>Septoria</i> (leaf spot) <i>Erysiphe, 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

Disclaimer: Always refer to the label on the product before using Helena or any other product.
16 June 2010 revised storage & disposal

SPECIMEN LABEL

CROPS		DISEASES	RATE: LBS ARMICARB® 100 per 100 Gal. Water
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>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>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>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>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	<i>Glomerella</i> (anthracnose) <i>Septoria</i> (leaf spot) <i>Microspheara</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>Levellula</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>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>Ascochyta</i> (leaf spot) <i>Erysiphe</i> , <i>Oidium</i> (powdery mildew) <i>Botrytis</i> (gray mold rot, shoot blight)	2.5-5.0

Disclaimer: Always refer to the label on the product before using Helena or any other product.
16 June 2010 revised storage & disposal

10
12

SPECIMEN LABEL

CROPS		DISEASES	RATE: LBS ARMICARB® 100 per 100 Gal. Water
Spinach	Control	<i>Colletotrichum</i> (anthracnose) <i>Peronospora</i> (downy mildew)	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</i> , <i>Septoria</i> (leaf spot) <i>Erysiphe</i> , <i>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)	2.5-5.0
Sweet potato	Control	<i>Alternaria</i> , <i>Septoria</i> (leaf spot) <i>Botrytis</i> (gray mold rot)	2.5-5.0
Tomatoes	Control	<i>Glomerella</i> , <i>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</i> , <i>Septoria</i> (leaf spot) <i>Erysiphe</i> , <i>Leveillula</i> , <i>Oidiopsis</i> , <i>Oidium</i> (powdery mildew)	2.5-5.0
Walnut	Control	<i>Gnomonia</i> (anthracnose) <i>Ascochyta</i> (ring spot) <i>Alternaria</i> (nut mold) <i>Phyllactinia</i> , <i>Microsphaera</i> , <i>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
- Anthracnose
- Downy mildew
- Helminthosporium leaf spot

Disclaimer: Always refer to the label on the product before using Helena or any other product.
16 June 2010 revised storage & disposal

12
12

SPECIMEN LABEL

Apricot *
Cantaloupe
Cherries *
Chicory
Crenshaw melon
Cucumber
Endive
Escarole
Grapes
Honeydew
* Ornamental and fruiting varieties

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.

© Copyright Helena Holding Company, 2005.
ARMICARB® is a registered trademark of Church & Dwight Company and is used under license.

Disclaimer: Always refer to the label on the product before using Helena or any other product.
16June2010 revised storage & disposal