



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 15, 2015

Christine A. Dively
Director of Regulatory Affairs
Certis USA, LLC
9145 Guilford Road, Suite 175
Columbia, MD 21046

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation Amendment – Label/CSF amendment to change primary brand name, add several use sites and change manufacturer address and contact information on both the label and CSF to reflect Certis' ownership of the product after the transfer of the product from Helena Chemical.
Product Name: Carb-O-Nator
EPA Registration Number: 70051-117
Application Date: 16 November 2015
OPP Decision Number: 511402

Dear Ms. Dively:

The amended labeling and Confidential Statements of Formula (CSFs) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSFs:

- Basic CSF dated 11/16/2015
- Alternate CSF #1 dated 11/16/2015

Any CSFs other than those listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this

letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Cody Kendrick of my team by phone at (703) 347-0468 or via email at kendrick.cody@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "For Andrew C. Bryceland". The signature is written in a cursive style and is positioned above the typed name.

Andrew C. Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

Carb-O-Nator™

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%

Net Weight:
EPA Reg. No. 70051-117
EPA Est. No. 70051-CA-001
Lot No:

Manufactured by:
Certis USA, L.L.C.
9145 Guilford Rd, Suite 175
Columbia, MD 21046



**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**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.

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| 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 <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-255-3924 for emergency medical treatment information.</p> |

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.

| |
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| USER SAFETY RECOMMENDATIONS <p>Users should:</p> <ul style="list-style-type: none">- 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. |
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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.

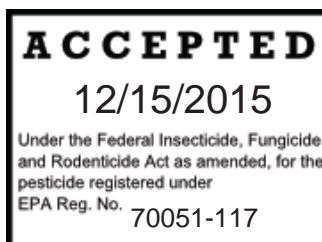
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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

[See Container for Batch Code]

GENERAL INFORMATION

CARB-O-NATOR™ 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.

CARB-O-NATOR™ 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 **CARB-O-NATOR™**. 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

CARB-O-NATOR™ 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 **CARB-O-NATOR™**. Start mechanical or hydraulic agitation.
2. Slowly add the required amount of **CARB-O-NATOR™** 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, **CARB-O-NATOR™** 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 **CARB-O-NATOR™** 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 CARB-O-NATOR™ 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 **CARB-O-NATOR™** 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 CARB-O-NATOR™ 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. CARB-O-NATOR™ 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.)

CARB-O-NATOR™ 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 **CARB-O-NATOR™** 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 **CARB-O-NATOR™** 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 CARB-O-NATOR™ 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.)

CARB-O-NATOR™ 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 CARB-O-NATOR™ 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>Podosphaera</i> (powdery mildew) <i>Sphaerotheca</i> (powdery mildew) <i>Monilinia</i> (blossom brown rot) | 2.5-5.0 |
| Apples, Crabapples | Control | <i>Neofabraea</i> (northeastern anthracnose) <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>Podosphaera</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 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, mummy berry) <i>Microsphaera</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, Plasmopara</i> (powdery mildew) <i>Gloeodes</i> (sooty blotch) <i>Septoria</i> (leaf spot) <i>Microsphaera, 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) <i>Alternaria</i> (fruit rot) | 2.5-5.0 |
| Carrots | 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 |

(continued)

| CROPS | | DISEASES | RATE: LBS CARB-O-NATOR™ 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</i> , <i>Sphaerotheca</i> , <i>Leveillula</i> (powdery mildew) <i>Botrytis</i> (fruit rot) <i>Gloeosporium</i> (spot anthracnose) | 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>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 |

(continued)

| CROPS | | DISEASES | RATE: LBS CARB-O-NATOR™ 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 |
| Onions, including dry onion bulbs, green onion and scallions | Control | <i>Colletotrichum</i> (anthracnose) <i>Alternaria porri</i> (purple blotch) <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> (neck rot) <i>Botrytis</i> (leaf blight) <i>Gloeosporium</i> (spot anthracnose) | 2.5-5.0 |
| Peas, including snow 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>Neofabracea</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 |
| 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 |
| Soybeans | Control | <i>Alternaria</i> leaf spot (<i>Alternaria</i> spp.) Anthracnose (<i>Colletotrichum</i> spp.) <i>Cercospora</i> leaf blight, Purple seed stain (<i>Cercospora kukuchii</i>) Downy mildew (<i>Peronospora manshurica</i>) Frogeye leaf spot (<i>Cercospora sojina</i>) Fusarium wilt (<i>Fusarium</i> spp.) Pod & stem blight (<i>Phomopsis-Diaporthes</i> complex) Stem and root rot (<i>Phytophthora sojae</i>) Powdery mildew (<i>Microsphaera diffusa</i>) <i>Septoria</i> brown spot (<i>Septoria glycines</i>) | 2.5-5.0 |
| Spinach | Control | <i>Colletotrichum</i> (anthracnose) <i>Peronospora</i> (downy mildew) | 2.5-5.0 |

(continued)

| CROPS | | DISEASES | RATE: LBS CARB-O-NATOR™ per 100 Gal. Water |
|---|---------|--|---|
| 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 |
| Tobacco | Control | Brown spot (<i>Alternaria alternata</i>) Anthracnose (<i>Colletotrichum</i> spp.) Gray mold (<i>Botrytis cinerea</i>) Frogeye leaf spot (<i>Cercospora nicotiana</i>) Blue mold (<i>Peronospora tabacina</i>) Fusarium wilt (<i>Fusarium oxysporum</i>) Storage mold (<i>Penicillium</i> spp.) Ragged leaf spot (<i>Phoma exigua</i>) Black shank (<i>Phytophthora nicotianae</i>) Powdery mildew (<i>Erysiphe cichoracearum</i>) | 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.)
CARB-O-NATOR™ 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
- Anthrachnose
- Ascochyta blight
- Downy mildew
- Helminthosporium leaf spot
- Powdery mildew
- 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
- Ajuga
- Almond-Ornamental
- Alyssum
- Andromeda
- Aphelandra
- Apple-Ornamental
- Apricot-Ornamental
- Artemisia
- Aster
- Azalea
- Boxwood
- Calendula
- Carnation
- Centaurea montana
- Cherry-Ornamental
- Chrysanthemum
- Cineraria
- Citrus
- Coleus
- Columbine
- Coral Bells (Heuchera)
- Crape Myrtle
- Crassula
- Croton
- Delphinium
- Dianthus
- Dizygotheca
- Dogwood
- English Ivy
- Episcia
- Euonymus
- Fern
- Forsythia
- Gazania
- Geranium
- Gladiolus
- Gloxinia
- Gypsophila
- Hawthorn

(continued)

| | |
|-------------------------------|------------------|
| Heliopsis scabra | Pilea |
| Hibiscus | Pine |
| Holly | Pittosporum |
| Hoya | Plum-Ornamental |
| Hydrangea | Poinsettia |
| Impatiens | Poppy |
| Iris | Pothos |
| Juniper | Primrose |
| Kalanchoe | Privet |
| Lavender | Protea |
| Lemon balm | Prune-Ornamental |
| Lipstick balm | Pulmonaria |
| Lipstick Vine (Aeschynanthus) | Pyracantha |
| Marigold | Rhododendron |
| Monarda (Bee Balm) | Rose |
| Nectarine-Ornamental | Rose-of-Sharon |
| Pachysandra | Schefflera |
| Palm | Snapdragon |
| Pansy | Statice |
| Peach-Ornamental | Tree Ivy |
| Peperomia | Verbena |
| Periwinkle | Viburnum |
| Philodendron | Violet |
| Phlox | Zinnia |

DISEASES CONTROLLED

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

CALIFORNIA REGISTERED USES:

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

For use on:

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

* Ornamental and fruiting varieties

DISEASES CONTROLLED

Downy mildew (**Agricultural Crops Only**)
Powdery mildew

WARRANTY

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purpose referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the disease problem, condition of the crop, incompatibility with other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.