U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511M)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
98588-1	9/25/2024

Term of Issuance:
Unconditional

Name of Pesticide Product:
Crimson

Name and Address of Registrant (include ZIP Code):

BioConsortia, Inc.
279 Couteau Pl., Suite 100
Davis, CA 95618

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency. In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Alexandra Boukedes
Digitally signed by Alexandra Boukedes
Date: 2024.09.25 12:40:01 -05'00'

Alexandra Boukedes, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution Prevention Division (7511M)
Office of Pesticide Programs

Date:
9/25/2024

EPA Form 8570-6

2. Make the following labeling change before you release this product for shipment:
    - Revise the EPA Registration Number to read, "EPA Reg. No. 98588-1."
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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 statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 09/16/2024

If you have any questions, please contact Hector Andres Maldonado by phone at (202) 566-1373 or via email at maldonado.hector@epa.gov.

Sincerely,

Alexandra Boukedes

Digitally signed by
Alexandra Boukedes
Date: 2024.09.25
12:39:34 -05'00'

Alexandra Boukedes, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

Proposed Master Label_09/12/2024

CRIMSON®

Suspension Concentrate Fungicide and Bactericide

Alternate Brand Names: [AMARA® BioFungicide/Bactericide]

Active Ingredient:

Bacillus velezensis strain 11604 and spent fermentation media*.....87.05%

Other Ingredients.....12.95%

Total.....100.00%

*Contains a minimum of $1x10^9$ colony forming units (cfu) per ml of product

EPA Reg. No 98588-R
EPA Est. No. XXXXX

Manufactured by: BioConsortia, Inc.
279 Cousteau Place, Suite 100
Davis, CA 95618

NET CONTENTS: X gallons (X liters)

ACCEPTED
Sep 25, 2024
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 98588-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

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

IF IN EYES: Hold eyes 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 further treatment advice.

Have the product label with you when calling a poison control center or doctor.

You may also contact 1-800-222-1222 for emergency medical treatment information.

For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, npic@ace.orst.edu 8:00AM to 12:00PM Pacific Time, Monday-Friday.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION:

Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Avoid contact with skin and eyes. Wash exposed skin thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. [Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.]

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Mixer/loaders and applicators must wear a NIOSH-approved particulate respirator with an N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water for washables. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

For Terrestrial Uses:

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 disposing of equipment washwater or rinsate.

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 state or tribal agency responsible for pesticide regulation.

PRODUCT INFORMATION

CRIMSON® :

is a broad spectrum fungicidal and bactericidal product for the control or suppression of many important plant diseases. The level of control is dependent on various environmental factors, host factors, disease pressure, and coverage of target host.

- Apply Crimson as a [soil drench or] foliar spray alone, in alternating spray programs, or in tank mixes with other registered crop protection products.
- For improved performance, use Crimson in a tank-mix or rotational program with other registered fungicides and bactericides.
- Adjust the application rate and/or spray intervals of Crimson according to the application instructions depending upon disease pressure.
- Crimson is most effectively used in a preventive disease management program.

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, restricted-entry interval, and notification to workers. 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 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.

COMPATIBILITY

Crimson is physically and biologically compatible with many commonly used pesticides, fertilizers, adjuvants, and surfactants but has not been evaluated with all potential combinations of products that might be in tank mixes. To ensure compatibility, conduct a jar test by mixing proportionally scaled down quantities of the desired tank mix components in a proportional amount of water. Add wettable powders first (the addition of a non-ionic surfactant is recommended at this point), followed by water dispersible granules, then by liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the mix stays in solution or re-suspends, it is physically compatible. If possible, spray the jar mix on a small section of crop to confirm crop safety of the mix.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing. Test the combination on a small portion of the crop to be treated to ensure that a phyto-toxic response will not occur as a result of application.

Compatible with equipment used for [soil drench and] foliar applications.

MIXING INSTRUCTIONS

Crimson must be pre-mixed thoroughly with water to ensure a properly distributed suspension. Pre-mix the required amount of Crimson in a clean container. Ensure your final spray solution is between 5.5 and 8.5 pH. For order of mixing, add Crimson along with other liquid flowables. The required amount of Crimson should be added slowly into the spray tank during filling with sufficient agitation to maintain a uniform suspension in the spray or mixing tank. Apply mixture within a few hours of mixing to maintain viability of Crimson. Do not allow spray mix to stand overnight.

INTEGRATED PEST MANAGEMENT (IPM)

Integrate Crimson into an overall disease and pest management strategy whenever fungicide or bactericide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

SPECIFIC CROP DIRECTIONS

CROP USE DIRECTIONS

- Carefully read and follow all label directions, use rates and restrictions.
- Apply Crimson as early as possible in the lifecycle of the plant to enhance disease protection.
- Apply Crimson to plants according to use patterns by disease, crop and disease/pest pressure as needed.
- For best results, initiate Crimson applications prior to disease establishment while the disease pressure is low to medium.
- Crimson has a 0-day Pre-Harvest Interval for all crops contained on this label.

- Prepare only the amount of spray solution required to treat the measured acreage.
- Accurate spray equipment calibration is essential prior to use.

[Greenhouse Application Instructions

Crimson may be applied as a foliar spray or soil treatment in Greenhouses. See foliar spray and soil treatment application instructions. Crop safety has not been confirmed on all cultivars. Plant compatibility testing is recommended when first using under greenhouse conditions.]

Foliar Spray Application Instructions

Begin applications when environmental conditions are conducive to disease development and repeat as needed. Use maximum label rates and shortened spray intervals for conditions conducive to threatening or rapid disease development. Crimson should be applied in an application volume that provides adequate coverage and placement for optimum crop protection and disease prevention.

Use higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. Crimson can be mixed with other registered fungicides.

For foliar applications, apply 1.0 to 3.0 quarts in Crimson in 20 to 100 gallons of water per acre to provide optimum coverage according to the minimum carrier volume table below.

Product Dose Rate	Minimum Carrier Volume
3 qt per acre	50 gallons per acre
2 qt per acre	35 gallons per acre
1 qt per acre	20 gallons per acre

[Soil Treatment Application Instructions

Crimson is a broad spectrum fungicide and bactericide for the prevention, suppression and control of soil-borne diseases on a wide range of crops. For all crops, Crimson may be applied as a soil surface drench, shanked-in, side-dress, injected and in-furrow at any time.

Use higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. Crimson can be mixed with other registered fungicides.

Apply Crimson to seed pieces, seedlings or newly rooted cuttings. Drench soil around plants with Crimson suspension making sure Crimson is thoroughly drenched into the root zone. Application rates of 1.0 to 4.0 quarts should be added to 20 to 50 gallons of water per acre for soil drenching.]

[Seed Treatment Application Instructions

For use in commercial seed treatment facilities only.

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.

The Federal Seed Act requires that bags containing seed treated with this product shall be labeled with the following information: “This seed has been treated with *Bacillus velezensis* strain 11064. Do not use for food, feed or oil purposes”.]

[Preventative Applications for Plant Health and Optimum Disease Control

Crimson provides benefits that can result in healthier plants. Crimson colonizes plants, preventing the establishment of disease-causing fungi and bacteria. Crimson improves plant utilization of micronutrients

including nitrogen, phosphorus, and potassium. and iron and can increase the host plant's tolerance to infections. Overall increased plant health may improve crop vigor, yields and quality, especially under stressed conditions.]

Table 1. Application Rates for Selected Crops

ARTICHOKES – FOLIAR APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acres)**
Erwinia spp. [*] ***Botrytis* spp.** [*] **Powdery Mildew** [*]	**1 to 3**

ARTICHOKES – SOIL APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Fusarium Wilt – *Fusarium spp.* [*] **Damping off --** *Pythium spp.* [*] **Verticillium Wilt** – *Verticillium* spp. [*]	**1 to 4**

ASPARAGUS – FOLIAR APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Botrytis spp. [*] **Rust** [*]	**1 to 3**

ASPARAGUS – SOIL APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Fusarium Root Rot – *Fusarium spp.* [*] **Phytophthora Root Rot –** *Phytophthora spp.* [*]	**1 to 4**

AVOCADO AND MANGO – FOLIAR APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Anthracnose - *Colletotrichum spp.* [*] **Bacterial Canker -** *Xanthomonas campestris* [*] **Scab -** *Sphaceloma spp.* [*]	**1 to 3**

BERRY – FOLIAR APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Alternaria Fruit Rot - *Alternaria spp.* [*] **Anthracnose Fruit Rot -** *Colletotrichum* spp. [*] **Bacterial Canker -** *Pseudomonas spp.* [*] **Blotch –** *Cephaleuros spp***.** [*] **Botrytis Blight -** *Botrytis cinerea* [*] ***Botryosphaeria spp.*** [*] **Cane Rust -** *Kuehneola uredinis* [*] **Downy Mildew -** *Peronospora spp.* [*] **Leaf Rust -** *Pucciniastrum vaccinii* [*] **Mummy Berry -** *Monilinia vaccinii-corymbosi* [*] **Phomopsis -** *Phomopsis vaccinii* [*] **Powdery Mildew -** *Microsphaera alni* [*] **Raspberry Leaf Spot -** *Sphaerolina rubi* [*] **Sooty Mold -** Misc. fungi [*] **Spur Blight** - *Didymella applanate* [*]	**1 to 3**

BERRY – SOIL APPLICATION [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Armillaria Root Rot - *Armillaria mellea* [*] ***Fusarium spp.*** [*] **Phytophthora Root Rot -** *Phytophthora* spp. [*] ***Pythium spp.*** [*] ***Rhizoctonia spp.*** [*] ***Verticillium spp.*** [*]	**1 to 4**

BRASSICA (COLE) LEAFY VEGETABLES – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Alternaria Leaf Spot - *Alternaria* spp. [*] **Anthracnose -** *Colletotrichum higginsianum* [*] **Bacterial Leaf Spot and Bacterial Blight -** *Pseudomonas* spp. [*] **Bacterial Rot -** *Erwinia* spp. [*] **Black Rot -** *Xanthomonas campestris* [*] **Cercospora Leaf Spot -** *Cercospora brassicicola* [*] **Downy Mildew -** *Peronospora* spp. [*] **Southern Blight -** *Sclerotium rolfsii*[*] **Pin Rot -** *Alternaria* spp. [*] **Powdery Mildew -** *Erysiphe polygoni*[*] ***Sclerotinia spp.*** [*] **Xanthomonas Leaf Spot/Black Rot -** *Xanthomonas campestris*[*]	**1 to 3**

BRASSICA (COLE) LEAFY VEGETABLES – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Clubroot - *Plasmodiophora brassicae*[*] ***Fusarium spp.*** [*] ***Macrophomina spp.*** [*] ***Pythium spp.*** [*] ***Phytophthora spp.*** [*] ***Rhizoctonia spp.*** [*] ***Verticillium spp.*** [*]	**1 to 4**

BULB VEGETABLES – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bacterial Leaf Streak - *Pseudomonas* spp. [*] **Botrytis Neck Rot** - *Botrytis* spp. [*] **Botrytis Leaf Blight** - *Botrytis* squamosa[*] **Downy Mildew** - *Peronospora* spp. [*] **Onion Purple Blotch** - *Alternaria porri*[*] **Powdery Mildew** - *Erysiphe* spp. [*] **Rust** - *Puccinia porri*[*] **White Rot** - *Sclerotium cepivorum*[*] **Xanthomonas Leaf Blight** - *Xanthomonas* spp. [*]	**1 to 3**

BULB VEGETABLES – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Fusarium* spp.** [*] ***Phytophthora* spp.** [*] **Pink Root** - *Phoma* spp. [*] ***Pythium spp. [*] ***Rhizoctonia spp.*** [*] ***Verticillium spp.*** [*]	**1 to 4**

CEREAL GRAINS (Including Forage, Fodder or Straw from Cereal Grains) – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bacterial Blight and Streak - Xanthomonas spp. [*] **Blast** - *Pyricularia oryzae* [*] **Brown Rot, Leaf Spots –** *Cercospora spp.* [*] **Common Rust –** *Puccinia sorghi*[*] **Fusarium Head Blight** – *Fusarium* spp. [*] **Leaf Sports** – *Cercospora* spp. [*] **Northern Leaf Blight –** *Exserohlium turcicum*[*] **Powdery Mildew** – *Erysiphe graminis*[*] ***Sclerotinia sclerotiorum*** [*] **Sheath Blight** – *Rhizoctonia solani*[*]**Sheath Spot –** *Rhizoctonia oryzae*[*] **Smut –** *Tilletia indica*[*] **Southern Leaf Blight –** *Bipolaris maydis, Cochliobolus herterostrophus*[*] **Stem Rot –** *Sclerotium oryzae*[*] **Tan Spot –** *Pyrenophora tritici-repentis*[*]	**1 to 3**

CEREAL GRAINS (Including Forage, Fodder or Straw from Cereal Grains) – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bipolaris sorokiniana[*] ***Fusarium spp.*** [*] ***Macrophomina spp.*** [*] ***Phytophthora spp.*** [*] ***Pythium spp.*** [*] ***Rhizoctonia spp.*** [*] ***Verticillium spp.*** [*]	**1 to 4**

CITRUS FRUITS – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Alternaria Leaf Spot - *Alternaria alternata*[*] **Bacterial Blast** - *Pseudomonas syringae*[*] **Citrus Canker**[*] **Greasy Spot** - *Mycosphaerella citri*[*] **Melanose** - *Diaporthe citri*[*] **Post Bloom Fruit Drop** - *Colletotrichum acutatum*[*] **Scab** - *Elsinoe fawcetti*[*]	**1 to 3**

CITRUS FRUITS – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Phytophthora Root Rot - *Phytophthora citrophthora or Phytophthora parasitica* [*] **Dry Root Rot -** *Fusarium solani* [*]	**1 to 4**

CLOVER, ALFALFA, FORAGE - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bacterial Wilt[*] **Spring Black Stem**[*] **White Mold -** *Sclerotinia sclerotiorum*[*]	**1 to 3**

CLOVER, ALFALFA, FORAGE - SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Fusarium Wilt - *Fusarium oxysporum*[*] **Phymatotrichum Root Rot -** *Phymatotrichum omnivorum*[*] **Phytophthora Root and Crown Rot** - *Phytophthora megasperma*[*] **Rhizoctonia Crown and Stem Rot -** *Rhizoctonia solani*[*] **Seedling or Damping Off Disease -** *Pythium ultimum, Pythium irregulare, Pythium*[*] *violae, Phytophthora megasperma, Rhizoctonia solani*[*] **Verticillium Wilt -** *Verticillium albo-atrum*[*]	**1 to 4**

CORN - SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Fusarium spp. [*] ***Macrophomina spp.*** [*] ***Phytophthora spp.*** [*] ***Pythium spp.*** [*] ***Rhizoctonia spp.*** [*] ***Ustilago spp.*** [*] ***Verticillium spp.*** [*]	**1 to 4**

COTTON - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bacterial Blight - *Pseudomonas syringae*[*]	**1 to 3**

COTTON - SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Fusarium* spp.** [*] ***Pythium* spp.** [*] ***Phytophthora* spp.** [*] ***Rhizoctonia* spp.** [*] ***Verticillium* spp.** [*] ***Xanthomonas spp. [*]	**1 to 4**

CUCURBIT VEGETABLES - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Angular Leaf Spot - *Pseudomonas syringae*[*] **Anthracnose** - *Colletotrichum lagenarium*[*] **Bacterial Fruit Blotch** - *Acidovorax avenae*[*] **Downy Mildew** - *Pseudoperonospora cubensis*[*] **Gummy Stem Blight** - *Didymella bryoniae*[*] **Powdery Mildew** - *Erysiphe spp., Sphaerotheca spp.* [*]	**1 to 3**

CUCURBIT VEGETABLES - SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Acremonium spp. [*] ***Fusarium* spp.** [*] ***Macrophomina* spp.** [*] ***Monosporascus cannonballus***[*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Thielaviopsis* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

FRUITING VEGETABLES – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Alternaria Black Mold - *Alternaria alternata*[*] **Anthracnose** - *Colletotrichum* spp. [*] **Bacterial Canker** - *Clavibacter michiganensis*[*] **Bacterial Speck** - *Pseudomonas syringae* pv. tomato[*] **Bacterial Spot** - *Xanthomonas* spp. [*] **Buck-Eye Rot** - *Phytophthora parasitica*[*] **Early Blight** - *Alternaria solani*[*] **Gray Mold** - *Botrytis cinerea*[*] **Late Blight** - *Phytophthora infestans*[*] **Leaf Mold -** *Cladisporium fulva*[*] ***Phomopsis* spp.** [*] **Powdery Mildew** - *Leveillula Taurica*[*] ***Pseudomonas spp.*** [*] **Septoria Leaf Spot -** *Septoria spp.* [*] **Southern blight** - *Sclerotium rolfsii*[*] **Target Spot -** *Corynespora cassiicola*[*]	**1 to 3**

FRUITING VEGETABLES – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
***Fusarium* spp.** [*] ***Macrophomina* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] **Southern Blight –** *Sclerotium rolfsii*[*] ***Verticillium* spp.** [*]	**1 to 4**

GRAPE - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Black Rot - *Guignardia bidwellii*[*] **Downy Mildew** - *Plasmopara viticola* **Eutypa** - *Eutypa lata*[*] **Gray Mold** - *Botrytis cinerea* **Phomopsis** - *Phomopsis viticola*[*] **Powdery Mildew** - *Uncinula necator* **Sour Rot/Summer Bunch Rot Complex**[*]	**1 to 3**

HOPS - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Downy Mildew - *Peronospora* spp. [*] **Powdery Mildew** - *Podosphaera macularis*[*]	**1 to 3**

LEAFY VEGETABLE (EXCEPT *BRASSICA*) – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
***Alternaria* spp.** [*] **Anthracnose** - *Colletotrichum* spp. [*] **Bacterial Blight / Bacterial Leaf Spot / Black Rot** - *Xanthomonas* spp. [*] ***Botrytis* spp.** [*] ***Colletotrichum* spp.** [*] **Downy Mildew** - *Bremia lactucae, Peronospora* spp. [*] **Powdery Mildew** - *Erysiphe cichoracearum*[*] **Sclerotinia Head and Leaf Drop / Pink Rot** - *Sclerotinia* spp. [*] **Septoria Leaf Spot -** *Septoria spp.* [*] **Spinach Bacterial Leaf Spot** - *Pseudomonas syringae*[*] **White Rust** - *Albugo occidentalis*[*]	**1 to 3**

LEAFY VEGETABLE (EXCEPT *BRASSICA*) – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Club Root - *Plasmodiophora brassicae*[*] ***Fusarium* spp.** [*] ***Phoma spp.*** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Sclerotinia* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

LEGUME VEGETABLES (Except Soybeans) – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Asian Soybean Rust - *Phakospora pachyrhizi*[*] **Bacterial Pustule** - *Xanthomonas* spp. [*] **Downy Mildew** - *Peronospora manshurice*[*] ***Erwinia* spp.** [*] **Gray Mold (Botrytis Blight)** - *Botrytis* spp. [*] **Leaf spot** - *Cercospora* spp. [*] **Powdery Mildew** - *Erysiphe* spp. [*] **Rust** - *Uromyces appendiculatus, Puccinia* spp. [*] **White Mold (Sclerotinia Stem Rot)** - *Sclerotinia spp.* [*]	**1 to 3**

LEGUME VEGETABLES (Except Soybeans) – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Aphanomyces* spp.** [*] ***Fusarium* spp.** [*] ***Macrophomina spp. [*] ***Phytophthora spp.*** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Thielaviopsis spp.*** [*] ***Verticillium* spp.** [*]	**1 to 4**

OILSEED CROPS (Except Cotton) – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bacterial Pustule - *Xanthomonas* spp. [*] **Bacterial Speck** - *Pseudomonas* spp. [*] **Brown Spot** - *Septoria glycines* [*] **Downy Mildew** - *Peronospora manshurica* [*] **Leaf Spot** - *Corynespora cassiicola, Cercospora spp., Nothopassalora personata* [*] **Pod and Stem Blight** - *Diaporthe phaseolorum var. sojae*, *Phomopsis longicolla* [*] **Rust** – *Albugo* spp., *Puccinia* spp. [*] **Sclerotinia blight -** *Sclerotinia minor*[*] **White Mold (Sclerotinia Stem Rot)** - *Sclerotinia sclerotiorum*[*]	**1 to 3**

OILSEED CROPS (Except Cotton) - SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Clubroot - *Plasmodiophora brassicae*[*] ***Fusarium* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] **Southern Blight -** *Sclerotium rolfsii*[*] ***Thielaviopsis* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

ORNAMENTAL CROPS - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
***Botrytis* spp.** [*] **Powdery mildew**[*]	**1 to 3**

PEANUT - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Cercospora spp. [*] **Early Leaf Spot -** *Cercospora arachidicola* [*] **Late Leaf Spot -** *Cercosporidium personatum* [*] ***Phoma* spp.** [*] **Rust -** *Puccinia arachidis* [*] **Sclerotinia -** *Sclerotinia spp.* [*] **Web Blotch -** *Phoma arachidicola* [*] **White Mold -** *Sclerotium rolfsii*[*]	**1 to 3**

PEANUT – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Aspergillus* spp.** [*] ***Cylindrocladium* spp.** [*] ***Fusarium* spp.** [*] ***Macrophomina* spp.** [*] ***Phymatotrichum spp. [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Rhizopus* spp.** [*] ***Verticillium* spp.** [*] **Southern Blight / White Mold -** *Sclerotium rolfsii* [*]	**1 to 4**

POME FRUIT - FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Bitter Rot - *Colletotrichum* spp. [*] **Bot Rot** - *Botryosphaeria dothidea*[*] **Brooks Spot** - *Mycosphaerella pomi* [*] **Bull's Eye Rot** - *Neofabraea* spp. [*] **Cedar Apple Rust** - *Gymnosporangium juniperi-virginianae* [*] ***Colletotrichum* spp.** [*] **Fire Blight** - *Erwinia amylovora* [*] **Flyspeck** - *Schizothyrium pomi* [*] **Powdery Mildew** - *Podosphaera leucotricha* [*] **Sooty Blotch** - *Gloeodes pomigena* [*] **Scab** - *Venturia* spp. [*]	**1 to 3**

POME FRUIT – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
***Fusarium* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

ROOT AND TUBER VEGETABLES - FOLIAR APPLICATIONS (Including Leaves of Root and Tuber Vegetables) [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Aerial Stem Rot - *Erwinia carotovora* [*] **Alternaria Leaf Blight / Black Rot / Black Crown Rot -** *Alternaria* spp. [*] **Bacterial Leaf Spot / Leaf Blight -** *Xanthomonas* spp. [*] **Black Dot -** *Colletotrichum* spp. [*] **Downy Mildew -** *Peronospora* spp. [*] **Early Blight -** *Alternaria solani* [*] **Gray Mold -** *Botrytis* spp. [*] **Late Blight -** *Phytophthora infestans* [*] **Leaf Spot -** *Cercospora* spp. [*] **Powdery Mildew -** *Erysiphe* spp. [*] **Ramularia -** *Ramularia* spp. [*] **Rust -** *Uromyces betae* [*] **White Mold -** *Sclerotinia spp.* [*]	**1 to 3**

ROOT AND TUBER VEGETABLES - SOIL APPLICATIONS (Including Leaves of Root and Tuber Vegetables) [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Agrobacterium spp. [*] ***Aphanomyces* spp.** [*] **Clubroot -** *Plasmodiophora brassicae* [*] ***Colletotrichum* spp.** [*] **Common Scab -** *Streptomyces scabies*[*] ***Erwinia* spp.** [*] ***Fibularhizoctonia spp.*** [*] ***Fusarium* spp.** [*] ***Macrophomina* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Sclerotium rolfsii***[*] **Silver Scurf -** *Helminthosporium solani*[*] ***Thielaviopsis spp.*** [*] ***Verticillium* spp.** [*]	**1 to 4**
Use Directions	
In-furrow applications - Apply as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seed pieces are covered	

STONE FRUIT – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Alternaria Spot / Fruit Rot - *Alternaria alternata* [*] **Anthracnose -** *Colletotrichum* spp. [*] **Bacterial Leaf Spot / Bacterial Spot –** *Xanthomonas* spp. [*] **Bacterial Canker -** *Pseudomonas* spp. [*] **Brown Rot Blossom Blight -** *Monilinia laxa* [*] **Cherry Leaf Spot -** *Blumeriella jaapii* [*] **Fruit Brown Rot -** *Monilinia fructicola* [*] **Gray Mold -** *Botrytis cinerea* [*] **Jacket Rot Complex**[*] **Powdery Mildew -** *Sphaerotheca pannosa, Podosphaera* spp. [*] **Rusty Spot -** *Podosphera leucotricha* [*] **Scab -** *Cladosporium carpophilum* [*] **Shot Hole -** *Wilsonomyces carpophilus*[*]	**1 to 3**

STONE FRUIT – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
***Fusarium* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

STRAWBERRY – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Angular Leaf Spot - *Xanthomonas fragariae* [*] **Anthracnose** - *Colletotrichum acutatum* [*] **Botrytis / Gray Mold** - *Botrytis* spp. [*] **Common Leaf Spot** - *Ramularia tulasneii* [*] **Powdery Mildew** - *Sphaerotheca macularis, Erysiphe* spp. [*]	**1 to 3**

STRAWBERRY – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Angular Leaf Spot - *Xanthomonas fragariae* [*] **Black Root Rot (Complex) -** *Macrophomina* spp. [*] ***Fusarium* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

TREE NUTS – FOLIAR APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
Alternaria Spot / Fruit Rot - *Alternaria spp.* [*] **Anthracnose -** *Colletotrichum* spp. [*] **Bacterial Canker –** *Pseudomonas synrigae*[*] **Bacterial Leaf Spot / Bacterial Spot –** *Xanthomonas* spp. [*] **Botryospaeria Blight –** *Botryospharia dothidea*[*] **Brown Rot / Blossom Blight -** *Monilinia laxa* [*] **Hull Rot –** *Rhizopus* spp., *Monilinia* spp. [*] **Jacket Rot Complex**[*] **Pecan Scab -** *Cladosporium caryigenum*[*] **Phomopsis Fruit Rot / Dieback -** *Phomopsis amygdalii*[*] **Powdery Mildew -** *Sphaerotheca pannosa, Podosphaera* spp. [*] **Rusty Spot -** *Podosphera leucotricha* [*] **Scab –** *Cladosporium* spp. [*] **Shot Hole -** *Wilsonomyces carpophilus*[*] **Rust** - *Tranzschelia discolor*[*] **Walnut Blight –** *Xanthomonas campestris*[*]	**1 to 3**

TREE NUTS – SOIL APPLICATIONS [(Not for use in CA.)]	
Target Diseases	**Rate (quart/acre)**
***Fusarium* spp.** [*] ***Phytophthora* spp.** [*] ***Pythium* spp.** [*] ***Rhizoctonia* spp.** [*] ***Verticillium* spp.** [*]	**1 to 4**

[*Not for use in CA.]

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place. Do not freeze.

Pesticide Disposal:

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling:

For plastic containers less than or equal to 5 gallons: Nonrefillable container.

Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1⁄4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

For plastic containers greater than 5 gallons: Nonrefillable container.

Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1⁄4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

WARRANTY:

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of BioConsortia, Inc., the manufacturer, or the seller. BioConsortia warrants that at the time of the first sale of this product it conforms to the chemical description on the label and when used according to the label directions under normal growing conditions is reasonably fit for the purposes referred to above. To the extent consistent with applicable law, buyers/users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of BioConsortia, Inc. EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.