A plant extract to boost the plants’ natural defense mechanisms against certain fungal and bacterial diseases.

Active Ingredients: % by Wt

Extract of Reynoutria sachalinensis...5%

Other Ingredients.......................95%

Total...................................................100.0%

WARNING

KEEP OUT OF REACH OF CHILDREN

HOTLINE

Have the product container or label with you when calling a poison control center or doctor, or if going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

EPA Reg. No. 92629-2
EPA Est. No. 92629-OR-1

Net Contents:
One Quart (32 fl. oz.)

Suitable for organic farming practices

WARNING

FIRST AID

IF SWALLOWED:
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 treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

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.

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

IF ON SKIN OR CLOTHING:
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control center or doctor for treatment advice.

Suitable for organic farming practices
RotSTAR® is an organic extract from the plant Reynoutria sachalinensis for use on ornamental plants and edible crops. RotSTAR® applied to actively growing plants (see directions for use) will help make the treated leaf area resistant to certain plant diseases. Use RotSTAR® as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue. The principal diseases controlled in treated plants are Powdery Mildew, Gray Mold, Rust*, Bacterial Canker*, Bacterial Leaf Spot, Target Spot, and Bacterial Speck*. See specific information under use directions for Ornamental Plants and Edible Crops.

*Not for use in California
WARNING: FIRST AID STATEMENT

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.

IF SWALLOWED: Call poison control center or doctor immediately for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance. Give artificial respiration, if known and if able to do so by the poison control center or doctor.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

GENERAL INFORMATION

RotSTAR® is an organic extract from the plant Reynoutria sachalinensis for use on ornamental plants and edible crops. RotSTAR® applied to actively growing plants (see directions for use) will help make the treated leaf area resistant to certain plant diseases.

Use RotSTAR® as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue. The principal diseases controlled in treated plants are Powdery Mildew, Gray Mold, Rust*, and Bacterial Spot*. See specific information under use directions for Ornamental Plants and Edible Crops. *Not for use in California

MODE OF ACTION

The extract obtained from ground-up R. sachalinensis plant material contains the active chemical substances. These compounds, when applied to the host plant, raise their natural defense system, based on a five-fold increase in compounds, when applied to the host plant, when the host plant is exposed to disease or stress. This results in increased disease resistance and disease control. It is a preventative treatment that is effective against fungal and bacterial diseases.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part170. 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted entry interval (REI). 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 twenty-four (24) 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
• Protective eyewear

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

• Long sleeved shirt and long plants
• Protective gloves
• Protective eyewear

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

Environmental Hazards

For terrestrial uses: Do not apply directly to water, 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 wash water 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.

ENVIRONMENTAL HAZARDS

STORAGE AND DISPOSAL

Do not use in any manner not in accordance with the accompanying directions. Offer this material to a qualified hazardous waste disposal contractor.

Do not store near any food or animal feed. When disposing of unused pesticide, washwater or rinsate, use the techniques recommended by the EPA or your state's hazardous waste management regulations.

Improper disposal of unused pesticide, washwater or rinsate is a violation of Federal Law and may result in fines or criminal prosecution for the person(s) responsible.

User Safety Recommendations

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Manufactured for

Cann-Care Company
417 Mace Blvd J236
Davis, CA 95618

www.cann-care.com
(844)442-0227

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WARRANTY

Other than as indicated on this product label, the manufacturer or its distributor does not assume any responsibility or liability for injuries or damages caused by use of any product that is covered by the Worker Protection Standard, 40 CFR Part 170, or that involves contact with a pesticide that is covered by the Worker Protection Standard, 40 CFR Part 170.

CONTAINER DISPOSAL: Non-hazardous container: Do not contain a mixture of hazardous substances.

PRINTED POSTER FOR USE IN A GREENHOUSE OR OTHER ENCLOSURE

Squeeze ‘n Measure

Controls Root Rot & Mildew
Alternate Brand Names: RotSTAR® Concentrate, RotSTAR® Bioprotectant Concentrate, RotSTAR® Disease Control Concentrate

Makes 16 gallons drench or spray

A plant extract to boost the plants’ natural defense mechanisms against certain fungal and bacterial diseases.

16 fluid Ounces

Active Ingredients: % by Wt

Extract of Reynoutria sachalinensis........................................5%

Other Ingredients............................................95%

Total.........................................................100.0%

STORAGE:

PESTICIDE STORAGE: Store in a cool, dry place. PEDESTRIAN PROTECTION: After use, wash hands and other exposed skin.

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 92629-2
EPA Est. No. 92629-OR-1

Follow instructions of the particular registered product that are covered by the Worker Protection Standard, 40 CFR Part 170. Keep and wash PPE separately from other laundry.
RotSTAR® is compatible with many commonly used pesticides, fertilizers, adjuvants and surfactants but has not been evaluated with all of these. To ensure compatibility of the tank mix combinations they should be evaluated prior to use, as follows: Using a suitable container add the proportional amounts of product to water. Add wettable powders first, then water dispersible granules, then liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the mix on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of the application.

The following plant species have been treated with RotSTAR®, either for the purpose of rendering them more vigorous or to prevent disease. The disease most prominently controlled is powdery mildew (Oidium spp.), and there are also reports of gray mold (Botrytis cinerea) and rust (Puccinia antirrhini) control. Plants investigated:

- Begonias
- Gerbera
- Poinsettias
- Snapdragons
- Crape myrtle
- Lisianthus
- Roses
- Zinnias
- Freesias
- Petunias
- Salviads

Since it is not possible to test all ornamental species or varieties grown in the greenhouse, it is recommended that the user first test RotSTAR® on a few plants prior to large-scale usage.

**Application Rates and Timing for Ornamental Plants**

Mix RotSTAR® bioprotectant concentrate with tap water at a concentration of 0.5% v/v (2 qts RotSTAR®/100 gals water). Rates for trial purposes should range from 0.25% - 1% v/v. Begin applications preventatively (before disease symptoms become visible) at the 4 - 6 leaf stage and treat at 7-14 day intervals as needed prior to sale or harvest. Spray water volumes should be between 50-100 gallons/acre. Spray until runoff. Make no more than six applications for annual ornamentals.

**EDIBLE CROPS**

RotSTAR® bioprotectant used as specified and preventatively will increase the natural defense system of the treated plants listed below towards the diseases specified below. LIMITATIONS: Do not apply more than six applications per crop. Do not apply more than two quarts of RotSTAR® per acre seven days prior to harvest.

**APPLICATION RATES AND TIMING FOR EDIBLE CROPS**

**Grapes** - Powdery mildew (Uncinula necator), and Gray mold (Botrytis cinerea) Apply RotSTAR® preventatively at 0.5% v/v in 50-100 gallons of water when the first disease symptoms are visible, or when disease pressure is high, and adding 0.02% v/v of a wetting agent. Repeat applications in 7-14 day intervals depending upon crop growth and disease pressure. The shorter interval is recommended for greenhouse cucurbits under high disease conditions.

**Cucurbits**: Such as, Cantaloupe, Cucumber, Pumpkin, Zucchini, Watermelon - Powdery mildew (Sphaerotheca fuligines, Erysiphe cichoracearum), Downy mildew (Pseudoperonospora cubensis), Gummy stem blight (Didymella bryoniae)

Apply RotSTAR® preventatively at 0.5% v/v in 50-100 gallons of water when the first symptoms of powdery mildew are visible, or when disease pressure is high, and adding 0.02% v/v of a wetting agent. Repeat applications in 7-14 day intervals depending upon crop growth and disease pressure. The shorter interval is recommended for greenhouse cucurbits under high disease conditions.

**Strawberries** - Powdery mildew (Sphaerotheca spp.) Apply RotSTAR® at a concentration of 0.5%-1% v/v in 100 gallons of water at 7 - 14 day spray intervals as soon as first symptoms appear, adding 0.02% v/v of a wetting agent.

**Walnuts** - Bacterial blight (Xanthomonas campestris) For the preventative control of bacterial blight apply 0.5% - 1%

Only the treated green tissues develop resistance, therefore coverage of foliage is important, although there is some translaminar movement. The general use rate recommended is 0.5% v/v of RotSTAR® concentrate in 50-100 gallons of water per acre. The larger sized crops and foliage need the larger volume to secure thorough coverage.

If mechanical mixing is available when preparing the spray solution, keep the agitators running. Apply with an anionic wetting agent such as Tween® 20 or Latron B-1956® at 0.02% v/v of the final water volume. RotSTAR® can be tank mixed in the spray tank with pesticides and surfactants to enhance disease control. Do not exceed recommended application rates. RotSTAR® cannot be mixed with another product with a prohibition against mixing. Use of the tank mix must be in accordance with the more restrictive label limitations and precautions.

**Compatibility**: Do not combine RotSTAR® in the spray tank with pesticides, surfactants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions.