Biostimulant Solution for the Control of White Rot (Sclerotium cepivorum) in Onions, Garlic, and Leeks

ACTIVE INGREDIENT:
Diallyl Sulfides*..................................................................................................................................90%
OTHER INGREDIENTS.....................................................................................................................10%
TOTAL 100%
*Contains diallyl monosulfide, diallyl disulfide, diallyl trisulfide, diallyl tetrasulfide
Contains — 8.3 lbs. active ingredient per gallon
KEEP OUT OF REACH OF CHILDREN

WARNING
See below for additional precautionary statements.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING
May be fatal if swallowed or absorbed through skin. Causes skin and moderate eye irritation. Do not get in eyes, on skin, or on clothing.
Avoid contact with eyes and avoid breathing vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE):
Applicators and other handlers must wear coveralls worn over short-sleeved shirt and short pants, socks, chemical-resistant footwear, and chemical-resistant (such as nitrile or butyl) gloves and either a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. When handling product during mixing and loading, wear a chemical resistant apron. When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40CFR 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. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY REQUIREMENTS:
1. Respirator Requirements: When a respirator is required for use with this product, the following criteria must be met:
a. Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner.
b. Respirators must be fit-tested and fit-checked using a program that conforms to OSHA’s requirements (described in 29 CFR Part 1910.134).
2. Dispose of Contaminated Clothing: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
3. Clean and Maintain PPE: Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day’s use.

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.

FIRST AID
Immediately start the procedures below and contact a Poison Control Center, a physician or the nearest hospital. Describe the type and extent of exposure, the victim’s symptoms, and follow the advice given.

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.

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.
b. Moistening the soil surface (3/16 to 1/8 inches deep) after treatment so that a crust forms. Surface compaction and sealing with water can be combined if desired and conditions warrant. Additional moistening of the soil may be required on the 3rd and 4th days to prevent soil surface cracks.

4. After treatment, seal the soil to retain the concentration of the product in the soil. This can be achieved by:
   a. Compacting the soil surface after treatment with a roller to smooth and compact the soil surface.
   b. Moistening the soil surface (1/3 to 1/8 inches deep) after treatment so that a crust forms. Surface compaction and sealing with water can be combined if desired and conditions warrant. Additional moistening of the soil may be required on the 3rd and 4th days to prevent soil surface cracks.
   c. In difficult situations, for example heavy soils with high pest pressure or where potential for extensive sheet or rill erosion exists, best results may be obtained by tarping the treated areas. The use of a tarp (plastic, paper, or fabric) spread loosely over the treated area and secured to prevent removal by wind will increase the activity of DADS™. Keep covered for a minimum of 48 hours. Seven days after treatment, cultivate the area to a depth of 2 inches to aerate the soil. DADS™ is a biostimulant used as part of a white rot management strategy in garlic and processed onions. The treated field can be seedbed-ready prior to application. For a fall season application, apply the product when the average soil temperature in a 24 hour period at a 4 inch depth is 70°F and falling. For a spring season application, apply the product when the average soil temperature in a 24 hour period at a 4 inch depth is 70°F and falling. Soil moisture must be 50 to 70% field capacity. No plants of the Allium family, including volunteer plants are to be present in the field following a DADS™ application for a period of 6 months after treatment.
**APPLICATION**
Apply DADS™ at the rate of 0.5 to 1.0 gallons per acre. Make applications using deep shank soil injection equipment and apply in a minimum of 100 gallons finished spray solution per acre. Use the high rate (1.0 gallons per acre) under heavy white rot levels of infection or when only one application of DADS™ will be applied. If split applications are made both fall and spring, not more than 0.5 gallon per acre rate may be used. Space injection shanks a minimum of 8 inches apart with an application of depth of 12 to 18 inches. Injection ports on the shanks are to be spaced at 3 to 4 inch intervals with first injection port 3 inches below soil surface. Follow directions for sealing application as noted in the Soil Preparation section of this label.

**STORAGE AND DISPOSAL**
Do not contaminate water, food or feed by storage or disposal.

**STORAGE:**
Store product in a cool, dry, locked place out of reach of children. Do not store below 0°F. Product crystallizes at lower temperatures. If exposed, warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use.

**PESTICIDE DISPOSAL:**
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA regional office for guidance.

**CONTAINER HANDLING:**
Nonrefillable Containers: Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons: 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 ¼ 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.

Nonrefillable Container 5 gallons to bulk:
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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.

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**IMPORTANT: READ BEFORE USE**
Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

**CONDITIONS:**
The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:**
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To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

**FORMULATED FOR**
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