**DiTera® DF**

**BIOLOGICAL NEMATICIDE**

**DRY FLOWABLE**

**ACTIVE INGREDIENT¹:**
Myrothecium verrucaria strain AARC-0255
fermentation solids and solubles .......... 90% w/w
OTHER INGREDIENTS. ....................... 10% w/w
TOTAL .................................. 100% w/w
¹“Non-viable”/“killed” microbial composition
POTENCY: 91,600 RKU
(Root-knot Units) per gram of product.

*Potency units should not be used to adjust use rates.*

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See succeeding panel for First Aid, additional Precautionary Statements, Directions for Use and Storage/Disposal Statements.

EPA Reg. No. 73049-67
EPA Est. No. 33762-IA-001

**Net Contents: 10 Pounds**

**Registrant:**

**Valent BioSciences Corporation**

870 Technology Way
Libertyville, IL 60048 U.S.A.
800-6-VALENT (682-5368)

DiTera® is a registered trademark of Valent BioSciences Corporation.
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, ranches, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, documentation, notification, and emergency assistance. It also contains specifications for personal protective equipment (PPE) and an exception to these requirements on this label about personal protective equipment (PPE), and restricted entry intervals. The WPS applies when this product is used to produce agricultural crops (40 CFR Part 170). The WPS applies when this product is used to produce agricultural crops or in a greenhouse (40 CFR Part 170). The WPS applies when this product is used to produce agricultural crops or in a greenhouse (40 CFR Part 170).

INSTRUCTIONS
Apply DiTera DF to the soil as a pre-plant, at planting or post-plant soil treat- ment on annual and perennial crops (refer to commodities listed in Table 1) alone, or mixed with water and the mixed suspension applied through drip or border irrigation systems. Best results will be obtained from Pre-plant applica- tions close to the actual planting times. The optimal application time must be determined by the cultural practices, and the nematode population dy- namics. For perennial crops, apply DiTera DF just prior to a root flush to protect young plants. Application can be made with multiple cost effective irrigation systems. DiTera DF must be applied to and incorporated into the soil. Incorpora- tion is best achieved by mechanical rototilling or injecting the soil applications in the planting. The action of some planters may provide sufficient incorporation of DiTera DF into the soil, equipment designed for incorporation may be used.

Due to the nature of the active ingredient and the distribution of nematodes in soils, in-vivo or in-band application may be suitable for adequate nematode control. In making these decisions, the corresponding rates need to be calculated based on the actual surface area of soil to be treated (field). In the field, you may use higher rates and/or multiple applications in coarse (light) soils with less than 1% organic matter. Management recommendations for DiTera DF in agricultural fields containing non- decomposed plant materials, including infected roots from a previous crop, or in fields with very high nematode densities.

Applying the DiTera DF is best accomplished by mixing or applying ground equipment, or using a live injection systems (refer to Chemigation Use Direction) with appropriate equipment designed for the scale and type of soil that must be treated. The amount of water needed per acre will depend on the plant species, goal of the nematode species to be controlled, growth stage of crop, weather, soil moisture condition, level of nematode infestation, etc. Do not allow water to move off site. Do not apply by mist spray or aerial spray equipment.

COMPATIBILITY
The DiTera DF application directions refer to the use of the product alone. Data concerning the compatibility of DiTera DF with other soil applied agri- cultural products including fertilizers. Valent does not assume responsibility for unexpected, adverse results due to the tank mixing or simultaneous applications of DiTera DF with other agricultural products. Valent does not assume responsibility for unexpected, adverse results due to the tank mixing or simultaneous applications of DiTera DF with other agricultural products or mixtures. DiTera DF is currently approved for use behind the planter. In cases where DiTera DF is applied alone, or mixed with water and the mixed suspension applied through drip or border irrigation systems. Best results will be obtained from Pre-plant applica- tions close to the actual planting times. The optimal application time must be determined by the cultural practices, and the nematode population dy- namics. For perennial crops, apply DiTera DF just prior to a root flush to protect young plants. Application can be made with multiple cost effective irrigation systems. DiTera DF must be applied to and incorporated into the soil. Incorpora- tion is best achieved by mechanical rototilling or injecting the soil applications in the planting. The action of some planters may provide sufficient incorporation of DiTera DF into the soil, equipment designed for incorporation may be used.

CHEMIGATION USE DIRECTIONS
Apply DiTera DF as a treatment in the following types of irrigation systems: furrow; border; or low pressure drip irrigation (including drip/trickle, drip, tape, strip, drop). Do not apply this product through any other type of irrigation system or equipment. Applying DiTera DF to the soil in the crop can result from non-uniform distribution of treated water. If you have questions about your local irrigation systems, you should contact local irrigation, state extension service specialists, equipment manufacturers or other experts.

Do not connect irrigation system (including greenhouse systems) used for pest management with a system used for water supply or other purposes which are potable. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being discharged from the intake pump to the system interlock to prevent fluid from being discharged from the intake pump to the system interlock to prevent fluid from being discharged from the intake pump to the system interlock to prevent fluid from being discharged.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS
Public water systems must be provided for the public to purchase water for human consumption if such system has at least 15 service connec- tions or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the func- tional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the public water system must contain a backflow preventer device that provides a functional equivalent in the water supply line upstream from the point of pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve which will stop the water pump when the water pressure decreases at the point where treatment is adversely affected.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when water flow to the system interlock is interrupted.

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MIXING AND APPLICATION INSTRUCTIONS
To ensure complete mixing of DiTera® DF, use application equipment having an agitation system.
A thoroughly mixed DiTera® DF suspension can be applied through irrigation systems described under Chemigation Use Directions, so as to treat the soil an agitation system.

FILL TANK WITH 1/2 TO 3/4 OF THE DETERMINED AMOUNT OF WATER. START MECHANICAL AGITATION SYSTEM.
PRE-MIX PRODUCT IN A MIX TANK HAVING BOTH MECHANICAL AND BY-PASS AGITATION.
ADD 1/3 TO 1/2 OF DITERA® DF AND ALLOW MIXING UNTIL THOROUGHLY SUSPENDED. ADD THE REMAINING PRODUCT SLOWLY WHILE BRINGING WATER TO THE DETERMINED VOLUME.

APPLICATION RATES

NOTE: For application rates based on linear feet of banded application, one package will treat from 32,000 feet of 12 inch wide row at the low use rate, to 1000 feet of 48 inch wide row at the high use rate.
At the maximum label ‘Broadcast Rate’ one package of this product will treat 1/10 acre.
At the minimum label ‘Broadcast Rate’ one package will treat 3/4 acre.
See Table 2 for various bandwidths per 1000 linear feet.

NOTICE TO USER
To the fullest extent permitted by law, the seller makes no warranty, express or implied, of the merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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TABLE 1: DITERA® DF CROP GROUPS NEMATODE APPLICATION RATE

<table>
<thead>
<tr>
<th>CROP GROUPS</th>
<th>NEMATODE</th>
<th>BROADCAST APPLICATION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BERRIES</td>
<td>Citrus</td>
<td>0.31 lbs/1000 sq ft (5 oz/1000 sq ft)</td>
</tr>
<tr>
<td></td>
<td>Root-knot</td>
<td>2 lbs/1000 sq ft (32 oz/1000 sq ft)</td>
</tr>
<tr>
<td></td>
<td>Stunt</td>
<td>1.5 lbs/1000 sq ft (24 oz/1000 sq ft)</td>
</tr>
<tr>
<td></td>
<td>Ring</td>
<td>1.6 lbs/1000 sq ft (25.6 oz/1000 sq ft)</td>
</tr>
</tbody>
</table>

TABLE 2: DITERA® DF – APPLICATION RATE

<table>
<thead>
<tr>
<th>ROW BAND WIDTH (Inches)</th>
<th>POWDERS OF DITERA® DF PER 1,000 LINEAR FEET OF ROW</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.91 lbs/1000 sq ft to 1.2 lbs/1000 sq ft</td>
</tr>
<tr>
<td>18</td>
<td>0.47 lbs/1000 sq ft to 0.6 lbs/1000 sq ft</td>
</tr>
<tr>
<td>24</td>
<td>0.63 lbs/1000 sq ft to 1.2 lbs/1000 sq ft</td>
</tr>
<tr>
<td>30</td>
<td>0.79 lbs/1000 sq ft to 1.5 lbs/1000 sq ft</td>
</tr>
<tr>
<td>36</td>
<td>0.94 lbs/1000 sq ft to 1.8 lbs/1000 sq ft</td>
</tr>
<tr>
<td>48</td>
<td>1.26 lbs/1000 sq ft to 2.4 lbs/1000 sq ft</td>
</tr>
<tr>
<td>60</td>
<td>1.58 lbs/1000 sq ft to 3.0 lbs/1000 sq ft</td>
</tr>
</tbody>
</table>

NOTE: This product is Not Registered for Use on This Crop in California.