



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

August 4, 2008

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Doina Bujor, Regulatory Manager Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048

RE:

Product Name: Ditera DF Biological Nematicide

EPA Reg. No: 73049-67

Application for Label Notification Dated June 10, 2008 to Update the Storage and Disposal Language per PRN 2007-4 and Other Minor Label Changes

Dear Ms. Bujor:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to Ms. Diana Hudson at (703) 308-8713 or email at hudson.diana@epa.gov.

Sincerely,

Linda Hollis

Linda Hollis, Chief
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention
Division (7511P)

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O FDA	United States Environmental Protection A Washington, DC 20460	geno	cy	OMB No. 2070 Registration Amendme Other)n	OPP Identifier Number
· · · · · · · · · · · · · · · · · · ·	Application fo	r Pe	sticide - Section I			
1. Company/Product Number 73049-67			2. EPA Product Manager Sheryl Reilly		3. Pro	posed Classification
4. Company/Product (Name) DiTera DF Biological Nem	naticide	P	°M#		Ľ	None Restricted
5. Name and Address of App Valent BioSciences Corpo 870 Technology Way Libertyville, IL 60048		to	6. Expedited Review. b)(i), my product is similio: EPA Reg. No.	ar or identica		
			Product Name on - II	-		
Notification - Explain Explanation: Use addition Notification of label per P EPA's regulations at 40 CF	onse to Agency letter dated	nsiste 6, and	ion II.) ent with the guidance in	d NO dion. Date Rev Reviewe PR Notice 20	TIFI iewe od By	nd requirements of
,	Se	ectic	on - III			
1. Material This Product Will Child-Resistant Packaging Yes* X No * Cartification must be submitted	Unit Packaging Wa Yes X No X If "Yes" No. per If "] Y	No. per	X	Aetal 1estic Slass Paper	pecify)
3. Location of Net Contents I	Information 4. Size(s) Retail Colontainer	ntaine	5. Loci	etion of Label On Label On Labeling		ns panying product
6. Manner in Which Label is	Affixed to Product Lithograph Paper glued Stenciled		Other			
	Se	ectio	on - IV			
Contact Point (Complete Name Doina Bujor	items directly below for identification of in Title Regu		viel to be contected, if nece y Manager	To	lephon	application.) a No. (Include Area Code) 4724 E
	Certification ments I have made on this form and all att y knowingly false or misleeding statement law.			rate and comp		6. Date Application Received (Stamped)

3. Title

5. Date

Jun 10, 2008

Regulatory Manager

2. Signature

4. Typed Name

Doina Bujor

Notification of Storage and Disposal Statement (PR Notice 2007-4) for DiTera DF, EPA Reg. No. 73049-67 (continuation from the previous page)

I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§152.46, 56.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Doina Bujor

Regulatory Manager

6-10-08

Date

870 TECHNOLOGY WAY LIBERTYVILLE, IL 60048 - 800-323-9597

June 10, 2008

Sheryl Reilly
Biopesticides & Pollution Prevention Division
Document Processing Desk (NOTIF)
Office Of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
703-308-8269

RE: DiTera DF (EPA Reg. No. 73049-67) Notification

Dear Ms. Reilly:

Valent BioSciences Corporation is submitting a notification for DiTera DF (EPA Reg. No. 73049-67) in accordance with PR Notice 2007-4 and PR. The changes made to the label are to the Storage and Disposal statement and include the container disposal language for non-refillable flexible container (composite bag).

Present submission consists of:

- Application for Registration (EPA form 8570-1)
- One copy of the red-lined label
- One copy of the clean label.

Please contact me if you have any questions at 847-968-4724 or by e-mail at doina.bujor@valent.com.

Sincerely,

Doina Bujor Basulataa

Regulatory Manager

NOTIFICATION

DiTera DF.notif.6 Page 1 of 9

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Date Reviewed: 8-1-08

Reviewed By: D.

DiTera DF **BIOLOGICAL NEMATICIDE** DRY'FLOWABLE

ACTIVE INGREDIENT (1):			
Myrothecium verrucaria*strain AARC-0255 fermentation solids and solubles90	% w/w		
INERT INGREDIENTS	% w/w		
TOTAL100	% w/w		
(1) "Non-viable"/"killed" microbial composition			
*U.S. Patent No. 5,051,255			
POTENCY:			
91,600 RKU (Root-knot Units) per gram of product.			
			·
Potency units should not be used to adjust use rates.		Deleted: ot	
		Deleted: s	
WEED OUT OF DEACH OF CITE DEEN			

CAUTION

EPA Reg. No. 73049-67 EPA Est. No. ____ Batch No. Net Content:

Registrant: Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048 1-(800) 323-9597

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, you may also call toll-free 1-877-315-9819 for treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment

Applicators and other handlers must wear:

- * Long-sleeved shirt and long pants.
- * Waterproof gloves.
- * Shoes plus socks.

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.

User Safety Recommendations

Users should:

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

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 by cleaning of equipment or disposal of equipment washwaters.

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DIRECTIONS FOR USE

Do not apply this product through any type of irrigation system unless labeling for chemigation is followed.

It is a violation 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 regulations.

AGRICULTURAL USE REOUIREMENTS

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 intervals. 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.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

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.

Keep unprotected persons out of treated areas until sprays have dried.

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STORAGE AND DISPOSAL

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

Pesticide Storage: Keep containers tightly closed when not in use. Store in a cool, dry place. Avoid extreme temperatures.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

Container Disposal: Non refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty container into applicable equipment. If recycling is not available dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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GENERAL INFORMATION

DiTera DF suppresses the following plant nematodes parasitizing food, fiber and ornamental crops: Meloidogyne spp. (root-knot nematodes), Heterodera and Globodera spp. (cyst nematodes), Pratylenchus spp. (lesion nematodes), Tylenchulus semipenetrans (citrus nematode), Trichodorus spp. (stubby-root nematodes), Longidorus spp. (needle nematodes), Paratylenchus spp. (pin nematodes), Rotylenchulus spp. (reniform nematodes), Xiphinema spp. (dagger nematodes), Belonolaimus spp. (sting nematodes), Criconemoides spp., Criconemella spp. and related genera (ring nematodes), Tylenchorhynchus spp. (stunt nematodes), Hoplolaimus spp. (lance nematodes), Rotylenchus spp., Helicotylenchus spp. (spiral nematodes), Radopholus spp. (burrowing nematodes) and other plant parasitic nematodes.

GENERAL INSTRUCTIONS

DiTera DF may be applied to the soil as a pre-plant, at planting or post-plant treatment on annual and perennial crops using ground equipment (refer to commodities listed in Table 1). Pre-plant applications should preferably be close to the actual planting times. The optimal application time should be determined based on the cultural practices and the nematode population dynamics. For perennial crops, apply DiTera DF just prior to a root flush to protect young roots. Multiple applications may be required for crops with multiple root flushes. DiTera DF must be incorporated into the soil for optimum results. Incorporation may be accomplished by mechanical equipment, irrigation or rainfall. For applications made at planting, the action of some planters may provide sufficient incorporation. When using planters which do not provide adequate incorporation of DiTera DF into the soil, equipment designed for incorporation may be used behind the planter.

The rates provided are for broadcast applications. Due to the nature of the active ingredient and the distribution of nematodes in agricultural soils, in-row or band application may be suitable for adequate nematode suppression. If banding or side-dressing, the corresponding rates need to be calculated based on the actual surface area of soil to be treated (Refer to conversion table for band applications). Use of the higher rates and/or multiple applications may be required in coarse (light) soils with less than 1% organic matter. Maximum benefits may not be realized in agricultural fields containing non-decomposed plant materials, including infected roots from a previous crop, or in fields with very high nematode infestations.

DiTera DF may be spread as a dry granule, applied using ground sprays, or using approved irrigation systems (refer to Chemigation Use Directions), with quantities of water sufficient to provide coverage of the root area of the plants. The amount of water needed per acre will depend on the plant species, biology of the nematode species to be controlled, stage of crop, weather, soil moisture conditions, level of nematode infestation, etc. Do not apply by mist sprayer 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 agricultural products are not available. Valent does not assume responsibility for unexpected, adverse results due to the tank mixing or simultaneous applications of DiTera DF with other agricultural products including fertilizers.

CHEMIGATION MIXING AND APPLICATION INSTRUCTIONS

To ensure complete mixing of DiTera DF, spray equipment having an agitation system is recommended.

A thoroughly mixed DiTera DF suspension can be applied through irrigation systems described under Chemigation Use Directions, so as to treat the soil around the crop rootzone. It is recommended that the material be used immediately after mixing in order to avoid settling. DiTera DF must be applied as a dedicated irrigation between normal irrigations or at the end of a scheduled irrigation. To minimize excessive dilution or leaching of product from root zone, DiTera DF must be applied in the highest concentration over the shortest time span possible.

Pre-mix product in a mix tank having both mechanical and by-pass agitation. Fill tank with 1/2 to 3/4 of the desired amount of water. Start mechanical and hydraulic systems to provide maximum agitation. Add an agricultural wetting agent prior to adding DiTera DF. Add 1/3 to 1/2 of DiTera DF and allow mixing until thoroughly suspended. Add the remaining material slowly while bringing water to the desired volume. Continue agitation. If a concentration greater than 1 lb. DiTera DF per 2 gallons of water is desired, the material should be added in smaller increments with sufficient agitation

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following each addition. To avoid excessive leaching of product, flush irrigation lines for the minimum time period at the end of the application. Do not mix more DiTera DF than can be used in a 24-hour period. Rinse and flush spray equipment thoroughly following each use. Use a strainer no finer than 50 mesh in conventional spray systems.

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CHEMIGATION USE DIRECTIONS

Apply this product only through the following types of irrigation systems: sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move; flood (basin); furrow; border; or low pressure (including drip/trickle, minisprinklers, drip tape, strip tubing and jets).

Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact local state extension personnel, equipment manufacturers or other experts.

Do not connect irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

Systems utilizing sprinkler chemigation, a pressurized water and pesticide injection system, or drip/trickle chemigation, must meet the following requirements.

- * The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- * The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.
- * 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 withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- * The system must contain functional controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- * The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

* For sprinkler chemigation, do not apply when wind speed favors drift beyond the area intended for treatment.

CROP GROUPS/REPRESENTATIVE COMMODITIES	NEMATODE	BROADCAST*RATE (pounds/acre/appl)
BERRIES such as blackberry, raspberry, blueberry	Burrowing	13-100
CITRUS FRUITS such as sweet orange, lemon, grapefruit	Citrus	
CUCURBIT VEGETABLES such as cucumber, melon, squash	Cyst Dagger	
FLOWERING, BEDDING PLANTS, ORNAMENTALS, such as fern and hosta	Lance Lesion	
FRUITING VEGETABLES such as eggplant pepper, tomato	Needle	
HERBS AND SPICES such as basil, black pepper, chive, celery seed, dill seed	Pin Reniform	·
<u>LEAFY VEGETABLES AND COLE CROPS</u> such as celery, head & leaf lettuce, spinach, broccoli, cabbage	Ring Spiral	
LEGUME VEGETABLES such as bean, pea, soybean	Root-knot	
POME FRUITS such as apple, pear	Sting Stubby-root	·
ROOT AND TUBER VEGETABLES such as carrot, potato, radish, sugar beet, ginseng	Stunt	
STONE FRUITS such as peach, plum, prune		
TREE NUTS such as almond, pecan, walnut		
MISCELLANEOUS CROPS: asparagus, avocado, banana, cacao bean, coconut, coffee, cotton, cranberry, date, fig, globe artichoke, grape, hops, kiwi fruit, mango, mushroom, okra, papaya, pawpaw, peanut, persimmon, pineapple, plantain, strawberry, sugarcane, tobacco, turf, water chestnut		

^{*}Refer to accompanying table for band application rates.

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CONVERSION TABLE FOR BAND APPLICATIONS

Band Width Inches	Pounds of DiTera Indicated Pounds p	per 1,000 Feet of Rober acre	ow at Equivalent B	roadcast Rate of	
		Equivalent broadcast rate per acre			
	<u>13</u>	<u>25</u>	50	<u>100</u>	
12		_	_		
18					
24				, •	
30			•	•	
36 .	•				
48			1		
60					
	0.31	0.60	1.2	2.4	
	0.47	0.91	1.8	3.6	
	0.63	1.20	2.4	4.8	
	0.79	1.51	3.0	6.0	
	0.94	1.82	3.6	7.2	
	1.26	2.40	4.8	9.6	
	1.58	3.0	6.0	12.0	

NOTICE TO USER

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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NOTIFICATION

Date Reviewed: 8-1-08

Reviewed By: D. Huds

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DiTera DF BIOLOGICAL NEMATICIDE DRY FLOWABLE

ACTIVE INGREDIENT (1):	
Myrothecium verrucaria*strain AARC-0255 fer	mentation solids and solubles90% w/w
INERT INGREDIENTS	10% w/w
	100% w/w
(1) "Non-viable"/"killed" microbial composition	1
*U.S. Patent No. 5,051,255	
POTENCY:	·
91,600 RKU (Root-knot Units) per gram of prod	luct.
Potency units should not be used to adjust us	e rates.
KEEP OUT OF REACH	H OF CHILDREN
CAUTIO	ON
EPA Reg. No. 73049-67	
EPA Est. No.	Batch No.
Net Content:	
	· ·

Registrant: Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048 1-(800) 323-9597

FIRST AID			
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 on skin or clothing	Take off contaminated clothingRinse skin immediately with plenty of water for 15-20 minutesCall a poison control center or doctor for treatment advice.		

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, you may also call toll-free 1-877-315-9819 for treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment

Applicators and other handlers must wear:

- * Long-sleeved shirt and long pants.
- * Waterproof gloves.
- * Shoes plus socks.

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.

User Safety Recommendations

Users should:

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

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 by cleaning of equipment or disposal of equipment washwaters.

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DIRECTIONS FOR USE

Do not apply this product through any type of irrigation system unless labeling for chemigation is followed.

It is a violation 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 regulations.

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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

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Keep unprotected persons out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep containers tightly closed when not in use. Store in a cool, dry place. Avoid extreme temperatures.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

Container Disposal: Non refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty container into applicable equipment. If recycling is not available dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

DiTera DF suppresses the following plant nematodes parasitizing food, fiber and ornamental crops: *Meloidogyne* spp. (root-knot nematodes), *Heterodera* and *Globodera* spp. (cyst nematodes), *Pratylenchus* spp. (lesion nematodes), *Tylenchulus semipenetrans* (citrus nematode), *Trichodorus* spp. (stubby-root nematodes), *Longidorus* spp. (needle nematodes), *Paratylenchus* spp. (pin nematodes), *Rotylenchulus* spp. (reniform nematodes), *Xiphinema* spp. (dagger nematodes), *Belonolaimus* spp. (sting nematodes), *Criconemoides* spp., *Criconemella* spp. and related genera (ring nematodes), *Tylenchorhynchus* spp. (stunt nematodes), *Hoplolaimus* spp. (lance nematodes), *Rotylenchus* spp., *Helicotylenchus* spp. (spiral nematodes), *Radopholus* spp. (burrowing nematodes) and other plant parasitic nematodes.

GENERAL INSTRUCTIONS

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Di era DF.notif.06-10-08.dmb Page 5 of 9

The rates provided are for broadcast applications. Due to the nature of the active ingredient and the distribution of nematodes in agricultural soils, in-row or band application may be suitable for adequate nematode suppression. If banding or side-dressing, the corresponding rates need to be calculated based on the actual surface area of soil to be treated (Refer to conversion table for band applications). Use of the higher rates and/or multiple applications may be required in coarse (light) soils with less than 1% organic matter. Maximum benefits may not be realized in agricultural fields containing non-decomposed plant materials, including infected roots from a previous crop, or in fields with very high nematode infestations.

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COMPATIBILITY

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CHEMIGATION MIXING AND APPLICATION INSTRUCTIONS

To ensure complete mixing of DiTera DF, spray equipment having an agitation system is recommended.

A thoroughly mixed DiTera DF suspension can be applied through irrigation systems described under Chemigation Use Directions, so as to treat the soil around the crop rootzone. It is recommended that the material be used immediately after mixing in order to avoid settling. DiTera DF must be applied as a dedicated irrigation between normal irrigations or at the end of a scheduled irrigation. To minimize excessive dilution or leaching of product from root zone, DiTera DF must be applied in the highest concentration over the shortest time span possible.

Pre-mix product in a mix tank having both mechanical and by-pass agitation. Fill tank with 1/2 to 3/4 of the desired amount of water. Start mechanical and hydraulic systems to provide maximum agitation. Add an agricultural wetting agent prior to adding DiTera DF. Add 1/3 to 1/2 of DiTera DF and allow mixing until thoroughly suspended. Add the remaining material slowly while bringing water to the desired volume. Continue agitation. If a concentration greater than 1 lb. DiTera DF per 2 gallons of water is desired, the material should be added in smaller increments with sufficient agitation

following each addition. To avoid excessive leaching of product, flush irrigation lines for the minimum time period at the end of the application. Do not mix more DiTera DF than can be used in a 24-hour period. Rinse and flush spray equipment thoroughly following each use. Use a strainer no finer than 50 mesh in conventional spray systems.

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- * 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 withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- * The system must contain functional controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- * The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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- * Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- * For sprinkler chemigation, do not apply when wind speed favors drift beyond the area intended for treatment.

CROP GROUPS/REPRESENTATIVE COMMODITIES	NEMATODE	BROADCAST*RATE
		(pounds/acre/appl)
BERRIES such as blackberry, raspberry, blueberry	Burrowing	13-100
CITRUS FRUITS such as sweet orange, lemon, grapefruit	Citrus	
	Cyst	
CUCURBIT VEGETABLES such as cucumber, melon, squash	Dagger	
FLOWERING, BEDDING PLANTS, ORNAMENTALS, such as fern and hosta	Lance	
	Lesion	
FRUITING VEGETABLES such as eggplant pepper, tomato	Needle	
HERBS AND SPICES such as basil, black pepper, chive, colery seed, dill seed	Pin	
	Reniform	
LEAFY VEGETABLES AND COLE CROPS such as celery, head & leaf lettuce, spinach, broccoli, cabbage	i and	
spinach, dioceon, caobage	Spiral	
LEGUME VEGETABLES such as bean, pea, soybean	Root-knot	
POME FRUITS such as apple, pear	Sting	
TOTAL FROITS such as appre, pear	Stubby-root	
ROOT AND TUBER VEGETABLES such as carrot, potato, radish, sugar beet,	Stunt	
ginseng		
STONE FRUITS such as peach, plum, prune	·	
TENETE NUITE and a selected and a second and		
TREE NUTS such as almond, pecan, walnut		
MISCELLANEOUS CROPS: asparagus, avocado, banana, cacao bean, coconut,		
coffee, cotton, cranberry, date, fig, globe artichoke, grape, hops, kiwi fruit,		
mango, mushroom, okra, papaya, pawpaw, peanut, persimmon, pineapple, plantain, strawberry, sugarcane, tobacco, turf, water chestnut		
printing siturborry, sugarbane, too about, must be situate		

^{*}Refer to accompanying table for band application rates.

DiTera DF

CONVERSION TABLE FOR BAND APPLICATIONS

Band Width Inches	Pounds of DiTera per 1,000 Feet of Row at Equivalent Broadcast Rate Indicated Pounds per acre			
Inches	mulcated I ounds	<u> </u>		
		Equivalent broad	cast rate per acre	
	<u>13</u>	<u>25</u>	<u>50</u>	<u>100</u>
12				
18			;	
24				
30				
36				
48				
60				
	0.31	0.60	1.2	2.4
	0.47	0.91	1.8	3.6
	0.63	1.20	2.4	4.8
	0.79	1.51	3.0	6.0
	0.94	1.82	3.6	7.2
	1.26	2.40	4.8	9.6
	1.58	3.0	6.0	12.0

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