

JUN 02 1992

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Mr. Marvin H. Alphin
Chemical and Agricultural Products Division
Abbott Laboratories
1401 Chicago, IL 60064

Dear Mr. Alphin:

Subject: Ditera Wettable Powder
EPA Registration No. 275-80
Your Submission Dated April 29, 1991

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

BEST AVAILABLE COPY

60661:1:CR-43:WP50:Nelson:WP18-2:KEVRI:05/15/92:06/14/92:DD

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Phil Hutton
Product Manager (18)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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Biological Insecticide

DiTera®

Wettable Powder

ACTIVE INGREDIENT:

<i>Bacillus thuringiensis</i> , var. <i>tenebrionis</i> , 365 Colorado Potato Beetle Units per mg.	3.65% w/w
Inert Ingredients	96.35% w/w

**KEEP OUT REACH OF CHILDREN
WARNING**

See accompanying information for additional precautionary statements.



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Chemical and Agricultural
Products Division
North Chicago, IL 60064 USA

EPA Reg. No. 275-80
EPA Est. No. 33762-1A-1
List No. 00000-04-01

Net Weight: 1 pound (454 grams.)

01-0000/R1

ACCEPTED
with COMMENTS
in EPA Label 275-80

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Biological Insecticide

DiTera

Wettable Powder

Active Ingr. dient:
Bacillus thuringiensis, var. *tenebrionis*
365 Colorado Potato Beetle Units
per mg.....3.65% w/w
Inert Ingredients.....96.35% w/w

KEEP OUT OF REACH OF CHILDREN
WARNING

EPA Registration No. 275-80
EPA Est. No. 33762-IA-1

WARNING: Causes eye irritation. Avoid breathing dust or spray mist. Do not get in eyes, on skin, or on clothing. Workers should use protective equipment such as a dust mask. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Reclose containers of unused DiTera WP. Store in a cool, dry place.

PESTICIDE DISPOSAL:

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of container in a sanitary landfill or by incineration if allowed by state and local authorities.

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 through any type of irrigation system.

Beneficial Insects

Honeybees foraging treated areas are not harmed by DiTera WP use. DiTera WP does not interrupt the activities of beneficial and predacious insects in pest management programs.

Days to harvest:

There are no restrictions on applying DiTera WP up to the time of harvest.

For Smaller Spray Volumes.

If Rain Is	Use This Amount Per Gallon
2 Lbs./acre or 100 gals	4 tps
3 Lbs./acre or 100 gals	6 tps
4 Lbs./acre or 100 gals	8 tps

DiTera WP is a highly selective insecticide for use against larvae of certain coleopterous insects.

Close scouting and early attention to infestations is highly recommended. Larvae must eat deposits of DiTera WP to be affected. Always follow these directions:

- Treat when larvae are young (early instars before the crop is extensively damaged).
- Larvae must be actively feeding on treated, exposed plant parts.
- Thorough spray coverage is needed to provide a uniform deposit of DiTera WP at the site of larval feeding. For some crops the use of directed drop nozzles by ground machine may be desirable.
- Under heavy pest population pressure, use the higher label rates, shorten the spray interval, and/or raise gallonage to improve spray coverage.
- When egg hatch occurs over a prolonged period of time, multiple applications will be required. The initial application should be made at first egg hatch when young larvae are present. Repeat applications at an interval sufficient to maintain control,

usually 3 to 7 days depending on plant growth rate, adult activity, rainfall or irrigation after treating, and other factors.

- A spreader-sticker which has been approved for use on growing and harvested crops may be added to increase plant wetting and improve weather-fastness of the spray deposits.

After eating a lethal dose of DiTera WP, larvae stop feeding within the hour, and will die within several days. Dying larvae move slowly, discolor, then shrivel, blacken and die.

DiTera WP may be applied in conventional ground or aerial equipment with quantities of water sufficient to provide thorough coverage of infested plant parts. The amount of water needed per acre will depend on crop size, weather, spray equipment, and local experience. Unless otherwise indicated, use at least 3 gallons of water per acre by air; except in the Western U.S., where 5 to 10 gallons is the usual minimum. A minimum of 20 gallons of water per acre should be used when applying the product with conventional ground equipment. Higher spray volumes and pressures may yield better results. Add water to the spray or mixing tank at the level that provides maximum agitation. With agitator running, slowly sprinkle in the DiTera WP. Continue agitation. Then add other spray materials (if any). Add the balance of the water and agitate until mixed. Do not mix more DiTera WP than can be used in a 12-hour period. DiTera WP is compatible with most commonly used pesticides on the labeled crops. However, all possible combinations have not been evaluated. If in doubt, test compatibility of the mixture in a

small container of water using appropriate amounts of each product. After thorough mixing, let stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is compatible.

APPLICATION RATE

Crop	Pest	Pounds/Acre
Eggplant	Colorado	2-4
Potato	potato	
Tomato	beetle larvae	

Use higher rate when pest pressure is heavy. Older instar (3rd-4th) larvae will be more difficult to control than younger (1st-2nd instar) larvae. DiTera WP will not control adult Colorado potato beetles

TIMING OF APPLICATION

Initial application should be made at first egg hatch when small (less than 1/4" long) larvae are present. When egg hatch occurs over a prolonged period of time, multiple applications will be required. Depending on insect pressure, weather conditions, and rainfall or irrigation after application, repeat sprays at 3 to 7 day intervals to maintain control. When plants are rapidly growing, additional applications at regular intervals will be required to protect new foliage

DiTera WP will not control insect pests other than Colorado potato beetle larvae on these crops. Use another labeled insecticide to control other pests.

Some populations of Colorado potato beetle larvae are resistant to certain insecticides. Effectiveness of DiTera WP may be reduced if the material is used in combination with these insecticides

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