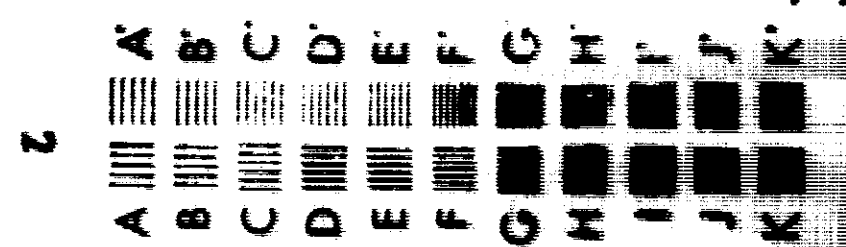


[275-18] [4 sheets]



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INTERNATIONAL PAPER
SINGLE SERVICE DIV., NEW YORK, N. Y. 10017
Patent Re. 26,305

APPLICATION RATE

Thorough Coverage is essential for good control.

Crop	Pest	Rate
Brussels, Cabbage, Cauliflower, Cabbage, Kale, Lettuce, Mustard and Turnip Greens, Spinach	Cabbage Looper Imported Cabbageworm Diamondback Moth	1/4 to 1 1/4 to 1/4
Beans, Brussels Sprouts (Ground only), Cucumbers, Melons, Potatoes	Cabbage Looper	1/4 to 1
Celery	Celery Looper and Cabbage Looper	1/4 to 1
Tomatoes	Cabbage Looper Tomato Hornworm Tomato Fruitworm	1/4 to 1 1 to 1

*Apply on Regular Spray Program every 5-7 days.

DIPEL for Other Crops

Crop	Pest	Rate
Tobacco	Cabbage Looper Budworm Hornworm	1/4 to 1 lb./acre 1/2 to 1 lb./acre 1/4 to 1/2 lb./acre
Chrysanthemum	Cabbage Looper	1/4 to 1 lb./acre or 100 gal.

DIPEL for Greenhouse Crops

Crop	Pest	Lb./100 Gallons Spray
Cabbage, Cucumbers, Lettuce, Tomatoes	Cabbage Looper	1/4 to 1
Chrysanthemums	Cabbage Looper	1/4 to 1

DIPEL
Bacillus thuringiensis

DIPEL

BIOLOGICAL INSECTICIDE
WETTABLE POWDER

LIST NO. 5188

Active ingredient:

Bacillus thuringiensis, Berliner, 16,000
International Units of Potency per mg.

(at least 25 billion
viable spores per g.)*3.2%

Inert ingredients.....96.8%

*Equivalent to 7.26 billion International Units
of potency per pound of this product.

**CAUTION: KEEP OUT OF REACH OF
CHILDREN.**

E.P.A. Registration No. 275-18-AA-50546

NET WEIGHT: ONE HALF POUND

PUSH UP

HERE

ALLO-PAK

TO OPEN

HERE

PUSH UP

General Directions for Use

For best results, mix with water in a ratio of 1 part of water to 1 part of DIPEL. Fill the spray tank half full of water. Slowly sprinkle the required amount of DIPEL into the tank while agitating. Then, agitate thoroughly while bringing the total volume of water to the required level. A suitable sprayer-sifter may be combined with DIPEL.

Apply DIPEL when pests are first noticed and repeat at intervals sufficient to maintain control. Thorough coverage on both sides of leaves is essential since the insect must ingest DIPEL. After ingestion, the larvae stop feeding and death follows. Do not allow the spray mixture to stand in the tank for more than 12 hours.

Bacillus thuringiensis is exempt from the requirement of a tolerance when used on the crops listed on this label in accordance with the directions for use.

For Smaller Spray Volumes

Use This Amount
per Gallon
1/4 lb./acre or 100 gals. 1/2 tsp.
1/2 lb./acre or 100 gals. 1 tsp.
1 lb./acre or 100 gals. 2 tsp.

Lot No.

DIPEL
Bacillus thuringiensis

DIPEL

BIOLOGICAL INSECTICIDE
WETTABLE POWDER

LIST NO. 5188

**AGRICULTURAL AND VETERINARY
PRODUCTS DIVISION**
ABBOTT LABORATORIES, NORTH CHICAGO, ILL. 60063

09-7165-2/R3

© ABBOTT

[275-18]

DIPEL for Field Crops		
Crop	Pest	Pounds/Acre
Corn, Soybeans	Corn Earworm	1/2 to 1 lb.
Cotton, Tobacco, etc.	Cotton Bollworm	1/2 to 1 lb.
Letuce, Broccoli, etc.	Cabbage Looper	1/2 to 1 lb.
Tomato, Eggplant, etc.	Tomato Hornworm	1/2 to 1 lb.
Peas, Beans, etc.	Alfalfa Looper	1/2 to 1 lb.
(Ground only), Cucumbers, Melons, Potatoes	Cucumber Beetle	1/2 to 1 lb.
Celery	Celery Looper and Cabbage Looper	1/2 to 1 lb.
Peaches	Peach Borer	1/2 to 1 lb.
Tomatoes	Tomato Hornworm	1/2 to 1 lb.
	Tomato Pinworm	1 lb.

*Apply on Regular Spray Program every 5 - 7 days.

DIPEL for Other Crops		
Crop	Pest	Pounds/Acre
Tobacco	Budworm	1/2 to 1 lb.
	Cabbage Looper	1/2 to 1 lb.
	Hornworm	1/2 to 1 lb.
Grapes (Ground equipment only)	Grape Leaf Folder	1/2 to 1 lb.
Alfalfa (Calif./Ariz./N. Mex.)	Alfalfa Caterpillar	1/2 to 1 lb.
Peas (Northwestern U.S.)	Alfalfa Looper	1/2 to 1 lb. per 5 gals. by air
Chrysanthemums	Cabbage Looper	1/2 to 1 lb. / acre or 100 gallons

DIPEL for Greenhouse Crops		
Crop	Pest	Pounds/100 Gallons Spray
Cabbage, Cucumbers, Lettuce, Tomatoes	Cabbage Looper	1/2 to 1 lb.
Chrysanthemums	Cabbage Looper	1/2 to 1 lb.

DIPEL for Forest, Ornamental and Shade Trees		
Pest	Pounds/100 Gallons* (Ground Equipment)	Pounds/Acre** (Aerial Application)
Gypsy Moth***	1/2 to 1 lb.	1 lb.
Bagworm	1/2 to 1 lb.	—
Red-thumped Caterpillar (California only)	1/4 to 1/2 lb.	1/4 to 1 lb.
Spring & Fall Cankerworm	1/2 lb.	—
Fall Webworm	1/2 lb.	—
Elm Spanworm	1 lb.	—
Tent Caterpillar	1/4 to 1/2 lb.	—

*Rate for hydraulic sprayer; for mist blowers, mix the applicable amount (lbs.) per 10 gallons of water.

**For aerial application, apply the applicable amount (lbs.) per acre in one (1) to five (5) gallons of water depending on type and density of trees.

***For best control of Gypsy Moth, apply DIPEL when young larvae (second or third instar) are present. May be applied by air to prevent excessive defoliation. Apply at the time of 40 to 50% leaf expansion and repeat in 7 to 14 days.

BIOLOGICAL INSECTICIDE WETTABLE POWDER

LIST NO. 5188 03



(*Bacillus thuringiensis*)

Active Ingredient:

Bacillus thuringiensis, Berliner, 16,000 International Units of Potency per mg.

(at least 25 billion viable spores per g.)* 3.2%
Inert Ingredients..... 96.8%

*Equivalent to 7.26 billion International Units of potency per pound of this product.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

EPA Registration No. 275-18-AA-50546

Lot No.



Agricultural and Veterinary Products Division
Abbott Laboratories
North Chicago, Illinois 60064

01-5183-2/F7

DIRECTIONS FOR USE

DIPEL (*Bacillus thuringiensis*) Wettable Powder may be used in conventional aerial or ground spray equipment with suitable quantities of water to provide thorough coverage. Fill the spray tank half full of water. Slowly sprinkle the required amount of Dipel into the tank while agitating. Then, agitate thoroughly while bringing the total volume of water to the required level. A suitable spreader-sticker may be combined with Dipel.

Apply Dipel when pests are first noticed and repeat at intervals sufficient to maintain control. Thorough coverage on both sides of leaves is essential since the insect must ingest Dipel. After ingestion, the larvae stop feeding and death follows. Do not allow the spray mixture to stand in the tank for more than 12 hours.

Bacillus thuringiensis is exempt from the requirement of a tolerance when used on the crops listed on this label in accordance with the directions for use.

For Smaller Spray Volumes:

If Rate Is

1/4 lb./acre or 100 gals.
1/2 lb./acre or 100 gals.
1 lb./acre or 100 gals.

Use This Amount
Per Gallon

1/2 tsp.
1 tsp.
2 tsp.

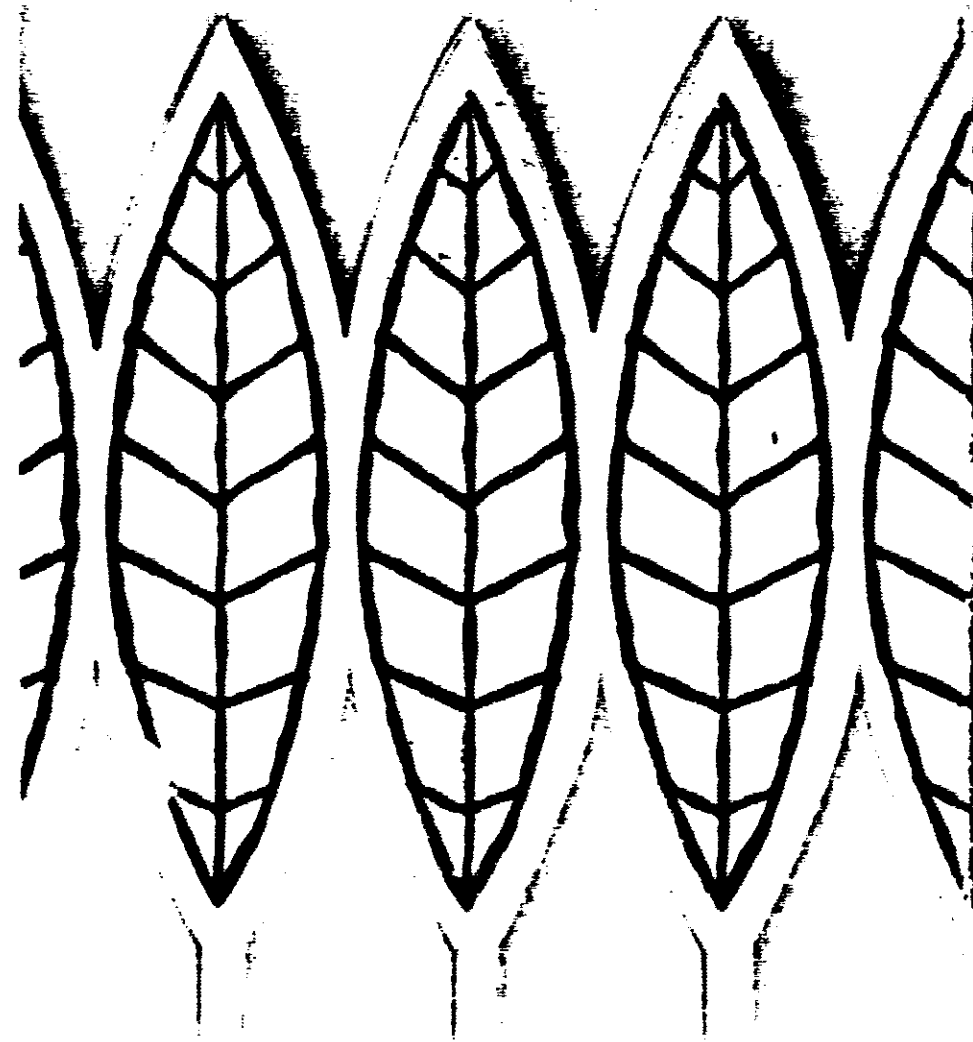
[275-18]

DIPEL

Bacillus thuringiensis

DIPEL

BIOLOGICAL INSECTICIDE
DIPEL 275-18-50546



AGRICULTURAL AND VETERINARY
PRODUCTS DIVISION
ABBOTT LABORATORIES NORTH CHICAGO, ILL. 60064

09-7166-2/87

ABBOTT



General Directions for Use

DIPEL® (*Bacillus thuringiensis*) may be used in conventional aerial or ground spray equipment with suitable quantities of water to provide thorough coverage. Fill the spray tank half full of water. Slowly sprinkle the required amount of DIPEL into the tank while agitating. Then, agitate thoroughly while bringing the total volume of water to the required level. A suitable spreader-sticker may be combined with DIPEL.

Apply DIPEL when pests are first noticed and repeat at intervals sufficient to maintain control. Thorough coverage on both sides of leaves is essential since the insect must ingest DIPEL. After ingestion, the larvae stop feeding and death follows. Do not allow the spray mixture to stand in the tank for more than 12 hours.

Bacillus thuringiensis is exempt from the requirement of a tolerance when used on the crops listed on this label in accordance with the directions for use.

For Smaller Spray Volumes:

If Rate is	Use This Amount per Gallon
1/4 lb./acre or 100 gals.	1/2 tsp.
1/2 lb./acre or 100 gals.	1 tsp.
1 lb./acre or 100 gals.	2 tsp.

DIPEL

Bacillus thuringiensis

DIPEL

BIOLOGICAL INSECTICIDE
DIPEL 275-18-50546

Active Ingredient:

Bacillus thuringiensis, Berliner, 16,000
International Units of Potency per mg.
(at least 25 billion

viable spores per g.)*3.2%
Inert Ingredients96.8%
*Equivalent to 7.26 billion International Units of
potency per pound of this product.

**CAUTION: KEEP OUT OF REACH OF
CHILDREN.**

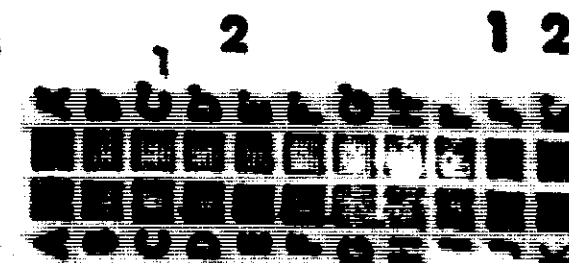
EPA Registration No. 275-18-AA-50546

NET WEIGHT 2 LBS.

Lot No.

60-3183-0083

60-3183-008 B



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INTERNATIONAL PAPER
SERVICE CO., NEW YORK, N. Y. 10017
Patent No. 2,450,808

APPLICATION RATE

Thorough Coverage is essential for good control

DIPEL for Food Crops

Crop	Pest	Pound/Acre
Broadleaf Cabbage, Cauliflower, Collards, Kale, Kohlrabi, Mustard and Turnip Greens, Spinach	Cabbage Looper Imported Cabbageworm Diamondback Moth	1/2 to 1 1/2 to 1/2 1/2 to 1/2

Beans, Bushbean Sprouts (and only), Cucumbers, Melons, Potatoes	Cabbage Looper	1/2 to 1
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Celery	Celery Looper and Cabbage Looper	1/2 to 1
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Tomatoes	Cabbage Looper Tomato Hornworm Tomato Pinworm	1/2 to 1 1/2 to 1/2 1/2 to 1/2
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*Apply on Regular Spray Program every 6-7 days.

DIPEL for Other Crops

Crop	Pest	Pound/Acre
Tobacco	Beetworm Cabbage Looper Hornworm	1/2 to 1 1/2 to 1 1/2 to 1/2

Grapes (ground equipment only)	Grape Leaf Folder	1/2 to 1/4
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Alfalfa (Calif., Ariz., N. Mex.)	Alfalfa Caterpillar	1/2 to 1/4
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Chrysanthemums	Cabbage Looper	1/2 to 1 lb./ 100 or 100 gals.
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DIPEL for Greenhouse Crops

Crop	Pest	Lb./100 Gallons Spray
Cabbage, Cucumbers, Lettuce, Tomatoes	Cabbage Looper	1/2 to 1

Chrysanthemums	Cabbage Looper	1/2 to 1
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DIPEL for Forest, Ornamental and Shade Trees

Pest	Pounds/100 Gallons, Hydraulic Sprayer
Gypsy Moth*	1/2 to 1
Beetworm	1/2 to 1
Red-striped Caterpillar (Calif. only)	1/2 to 1/2
Spring and Fall Cankerworm	1/2 to 1/2
Fall Webworm	1/2 to 1/2
Elm Sawfly	1/2 to 1/2
Leaf Miner	1/2 to 1/2

Gypsy Moth*	1/2 to 1
Beetworm	1/2 to 1
Red-striped Caterpillar (Calif. only)	1/2 to 1/2
Spring and Fall Cankerworm	1/2 to 1/2
Fall Webworm	1/2 to 1/2
Elm Sawfly	1/2 to 1/2
Leaf Miner	1/2 to 1/2

*For best control of Gypsy Moth, apply DIPEL when young
larvae (1st or 2nd instar) are present. Repeat treatment if
necessary.