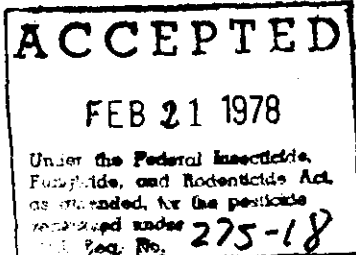


275-18

2-21-78

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Best Available COPY



WETTABLE POWDER
BIOLOGICAL INSECTICIDE

Active Ingredient:

Bacillus thuringiensis, Berliner. 16,000 International Units of Potency per mg. (7.26 billion International Units per pound).

KEEP OUT OF REACH OF
CHILDREN
CAUTION

E.P.A. Registration No. 275-18
E.P.A. Est. No. 33762-1A-1

BEES

Honey bees foraging treated areas are not harmed by Dipel use.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

STORAGE: Reclose containers of unused Dipel. Store in a dry place.

DISPOSAL: Do not reuse container. Perforate or crush and discard empty container according to local trash disposal regulations.

Bacillus thuringiensis is exempt from the requirement of a tolerance on all raw agricultural commodities when applied to growing crops or after harvest in accordance with good agricultural practices.

For Smaller Spray Volumes:

if Rate is	Use This Amount Per Gallon
1/2 lb./acre or 100 gals.	1/2 tsp
1 lb./acre or 100 gals.	1 tsp
1 1/2 lb./acre or 100 gals.	2 tsp.

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 within several days.

Do not allow the spray mixture to stand in the tank for more than 12 hours.

SPRAY TO HARVEST

Dipel may be applied up to the time of harvest.

APPLICATION RATE

Thorough coverage is essential for good control.

Crop	Pest	Pounds/Acre
Broccoli, Cabbage, Cauliflower, Collards, Kale, Lettuce, Mustard and Turnip Greens, Spinach	Cabbage Looper	1/2 to 1 lb.
	Imported Cabbageworm	1/4 to 1/2 lb.
	Diamondback Moth	1/4 to 1/2 lb.
Beans, Brussel Sprouts (Ground only), Cucumbers, Melons, Potatoes	Cabbage Looper	1/2 to 1 lb.
	Celery	Celery Looper and Cabbage Looper
Watermelons (Florida)	Rindworm Complex (Cabbage Looper, Tobacco Budworm, Granulate Cutworm, Beet Armyworm)	1/2 to 1 lb.

Apply Dipel on a weekly schedule as a preventative program

Tobacco	Budworm	1/2 to 1 lb.
	Cabbage Looper	1/2 to 1 lb.
	Hornworm	1/4 to 1/2 lb.

Dipel may be tank mixed with MH-30* at recommended rates on fire-cured tobacco. Do not add other types of sucker control materials. Follow the application directions on the maleic hydrazide label and all label precautions for both products.

Tomatoes	Cabbage Looper	1/2 to 1 lb.
	Tomato Hornworm	1/4 to 1/2 lb.
	Tomato Fruitworm	1" lb.

*Apply in Regular Spray Program every 5-7 days

Grapes (Ground only)	Grape Leaf Folder	1/2 to 3/4 lb.
	Grapes (Calif., Ground only)	Omnivorous Leafroller

For best control of Omnivorous Leafroller, apply Dipel starting with the first brood to prevent build-up of highly damaging population levels later in season. For use against subsequent broods, apply Dipel WP with air-blast sprayers for maximum penetration of spray into the vines.

Alfalfa (Calif., Ariz., N. Mex., Tx.)	Alfalfa Caterpillar	1/4 to 1/2 lb.
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Peas (Northwestern U.S.)	Alfalfa Looper	1/2 to 1 per 5 gals. by air
Chrysanthemums	Cabbage Looper	1/2 to 1 lb./acre or 100 gallons
Soybeans	Green Cloverworm Velvetbean Caterpillar	1/4 to 1/2
	Soybean Looper Cabbage Looper	1/2 to 1

*For ground equipment, 8 to 20 gallons of final spray per acre are recommended. For aerial application 2 to 5 gallons of final spray per acre should be used. The use of a suitable spreader-sticker is recommended particularly in aerial sprays to aid in coverage.

Cotton	Tobacco Budworm Cotton Bollworm	1/2 to 1 lb.
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*Dipel may be used to suppress very small worms (1st and 2nd instar larvae) under a pest management program that includes close scouting. Apply first as eggs begin to hatch and reapply every 3-5 days as long as eggs and/or small larvae are present or until larvae have been reduced by an acceptable amount. If heavy worm populations occur, it may be necessary to apply an insecticide with rapid knockdown and good larvacidal activity as a replacement. Thorough coverage of the plant terminals is essential for adequate suppression. Apply as a 5-15 gallons/acre total volume spray with ground equipment and 2-5 gallons/acre total volume spray with aerial equipment.

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

Dipel For Nut Trees		
Crop	Pest	Pounds/100 Gallons* (ground equipment)
Pecans	Fall Webworm	1/2 lb.
	Walnuts	Red Humped Caterpillar
Almonds	Tent Caterpillar	1/2 lb.

*Use sufficient spray volume to wet the foliage. For mist blowers or concentrate systems, use the listed rate of Dipel per acre in sufficient water to insure good coverage.

DIPEL for Forest, Ornamental and Shade Trees		
Pest	Pounds/100 Gallons* (Ground Equipment)	Pounds/Acre** (Aerial Application)
Gypsy Moth (Northeastern U.S.)	1/2 to 1 lb.	1 lb.
Bagworm	1/2 to 1 lb.	1/2 to 1 lb.
Red-Humped Caterpillar (California only)	1/4 to 1/2 lb.	1/4 to 1 lb.
Spring & Fall Cankerworm	1/4 to 1/2 lb.	1/2 lb.
Fall Webworm	1/2 lb.	---
Elm Spanworm	1 lb.	---
Tent Caterpillar	1/4 to 1/2 lb.	1/2 lb.
Forest Tent Caterpillar	1/2 lb.	1/2 lb.
California Oak Moth	1/2 to 1 lb.	---
Pine Butterfly	1 lb.	1 lb.
Spruce Budworm* (Northeast)	1 lb.	1 lb.?
Saddle Prominent Caterpillar	2 lb.	---
Western Tussock Moth	1/2 to 1 lb.	---
Fruit Tree Leafroller	1/2 to 1 lb.	---
Blackheaded Budworm	1 lb.	---

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

2015

**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. Spray when egg hatch is essentially complete and larvae are between the 1st and 3rd instars. Leaf expansion at this time should be 25-50 percent. Repeat application in approximately 10-14 days if significant reinfestation or extended egg-hatch occurs. For best results, spray systems which deliver droplet sizes of 100-200 microns should be used.

¹For a reduction in defoliation against populations below 35 larvae per 18-inch branch tip.

²Minimum of 4 gal./acre.

DIPEL for Stored Agricultural Commodities.

FOR THE CONTROL OF TOBACCO MOTH ON FLUE-CURED TOBACCO.

Apply 0.4 ounce (approximately 5 teaspoonful) of DIPEL WP in one quart of water per 100 pounds of tobacco as a fine mist spray. Avoid overwetting. Tobacco should have just enough moisture to be handled without shattering at the time of application.

Tobacco to be stored One to Twelve Months.

Spray loose leaves as the tobacco is being bundled from the curing barn. For tobacco on sticks, treat both sides of leaves.

Stored Tobacco.

For tobacco which is to be carried over, rebundle or restack sticks. *Huff up tobacco and spray loose leaves.*

For tobacco that has been stored over three weeks, apply at first signs of infestation, promptly open bundles, spray loose leaves, then bundle.

Treatment of Storage Bars.

If tobacco has been treated, or is going to be treated, treatment of the floors and walls may be made to aid in control. Sweep out the area, especially cracks and corners, and all of the loose tobacco pieces in which the moth might breed. Make a spray mixture containing 1 oz. DIPEL WP per 2 1/2 gallons of water. Apply this at a rate of 1/2 gallon per 1000 sq. ft. of surface area. Be sure to spray into cracks and between floorboards.



KH-30* is a trademark of Union Carbide Chemical Co.



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

List 518B
01-2929/R3-000-1-78 Rev.

Printed in U.S.A.

Spore Worm Killer

Bacillus thuringiensis








			
	<p>WT 5188 " 24-1 LB. CANS</p> <p></p> <p>See Exhibit A below</p> <p>Refer to attached label insert before using this product.</p>		<p>WT 5188 " 24-1 LB. CANS</p> <p>Ship to:</p> <p>Lot No.</p>
		70-3220/R2	

Exhibit A: Sealed window envelope revealing label insert copy shown below.

ACCEPTED
FEB 21 1978
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the purpose of registration No. 275-18


 WETTABLE POWDER
 BIOLOGICAL INSECTICIDE
 Active Ingredient:
 Bacillus thuringiensis, Berliner, 16,000 International Units of Potency per mg. 17.26 Billion International Units per pound
KEEP OUT OF REACH OF CHILDREN
CAUTION
 E.P.A. Registration No. 275-18
 E.P.A. Est. No. 33762-1A-1



advance
ENGRAVERS INC.
 818 S. WESTWOOD • ADDISON, ILLINOIS 60101
 PHONE 543-2777

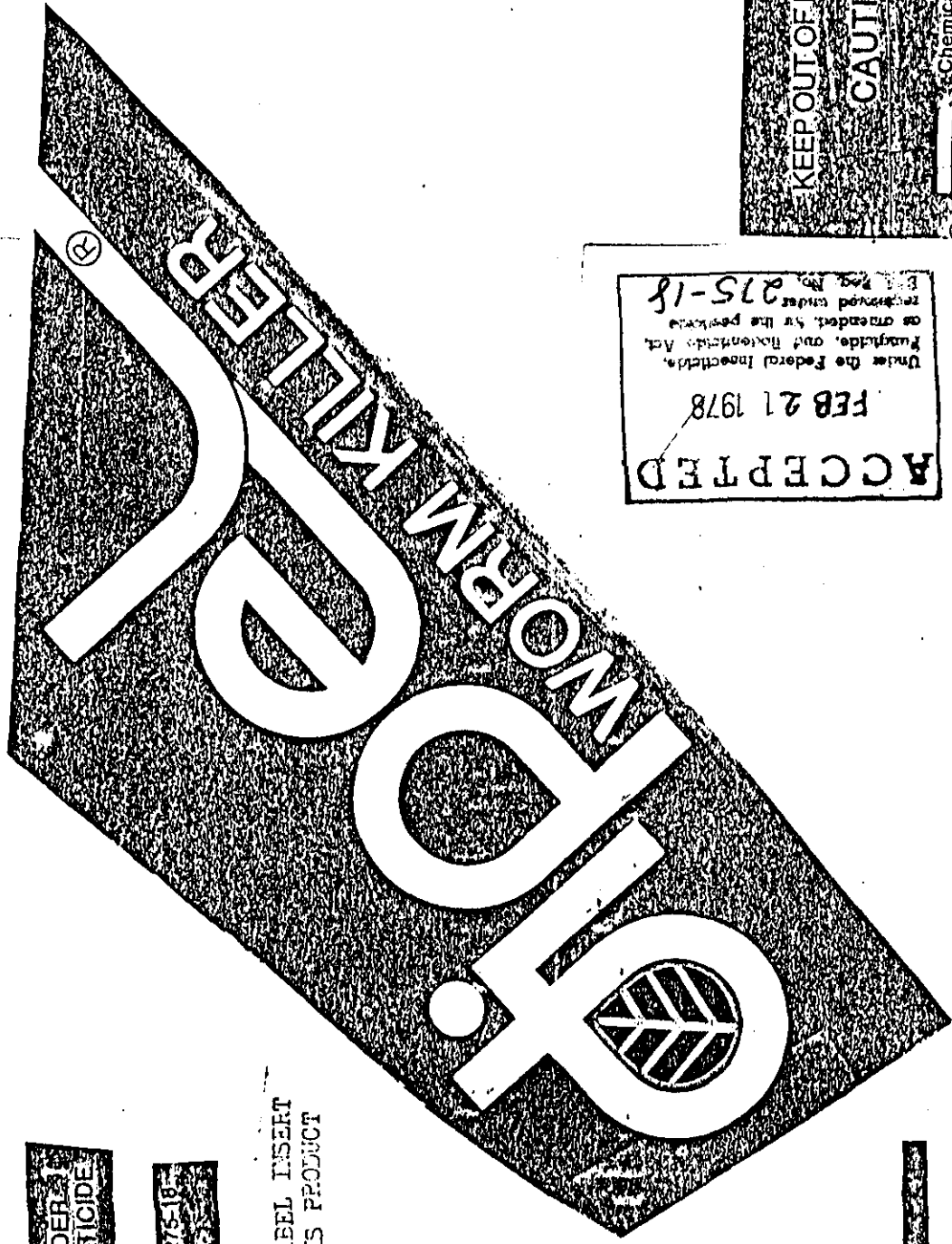
4 of 5

DATA DATA

KEEP OUT OF REACH OF CHILDREN

CAUTION →

Chemical and Agricultural
Products Division
Abbott Laboratories
North Chicago, IL 60064



ACCEPTED
FEB 21 1978
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under 275-18

Net wt. 25 lb.

EPA Reg. No. 275-18

WETTABLE POWDER
BIOLOGICAL INSECTICIDE

EPA Registration No. 275-18
EPA EST. No. 33762-1A

READ ATTACHED LABEL INSERT
BEFORE USING THIS PRODUCT

LONG

01-5469-2/1