

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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18 / JD

MAR 11 1993

Green Light Company  
P.O. Box 17985  
San Antonio, TX 78217

This product is conditionally registered in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 3(c)(7)(a) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

a. The first page of the 8.5" by 11" submitted labeling represents the front panel of the pesticide label.

1. Change the Active Ingredient statement to read, "Bacillus thuringiensis subspecies kurstaki, Potency of 320 International Units per milligram\* " add "**Lepidopteran Active Toxin...**"..... 0.064 %

2. After the Inert Ingredient Statement Type: Total.....100%

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3. Add the Potency Statement, "Potency units should not be used to adjust use rates beyond those specified in the Directions for Use Section." just below the Ingredients Statement (page 22, Bt Registration Standard).

4. Add, "0.15 billion International Units per Pound." just below the Ingredients Statements. (Enclosed is a sample labeling format for your review.)

5. The Child Hazard Statement "KEEP OUT OF REACH OF CHILDREN" should follow in advance of the signal word, "CAUTION."

6. Statements of Practical Treatment for your product should appear just below the signal word. Green Light Dipel Dust is substantially similar to the end-use product, Bonide Dipel (4-251), from a toxicology perspective. However, Bonide Dipel has no toxicology studies on this end-use formulation which you may cite. Based on your product's formulation the Agency waives all acute toxicity data requirements with the exception of the primary eye irritation study. Complete and submit a Primary Eye Irritation Study in accordance with Subdivision F (§ 81-4) to the Agency on or before 3/8/94, or this product will be subject to cancellation under FIFRA 6(e).

7. Include the following statements to be in keeping with a Toxicity Category 3; however, please note that additional labeling may be recommended based on the results of the requested eye irritation data.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

8. Add the following statement just below the Statements of Practical Treatment: "SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS."

9. On the bottom of the first page of your submitted labeling the Manufacturer's Name, and Address should appear and be directly followed by the EPA Registration and Establishment Numbers. The Net Contents would directly follow the EPA Establishment Number.

The second page of the 8.5" by 11" submitted labeling represents the left panel of the pesticide label.

10. Within the Precautionary Statements section, under the subheading "Hazards to Humans and Domestic Animals," change the wording of your Hazard Statement to be in keeping with 40 CFR 156.10 (h)(iv)(2)(i) to read, "Harmful if swallowed or inhaled. Avoid breathing dust. Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists."

11. Within the Environmental Hazards statement delete, "Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Aerial application is permissible where tree canopy exists." Only "Do not contaminate water when disposing of equipment washwaters." should remain.

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Storage and Disposal Statements directly follow the Directions for Use section on page two. After the Storage and Disposal Statements, specific crop and use recommendations may appear on the left panel (page two) and be continued on page three and subsequent pages. Page 3 represents the right panel of the pesticide label. (enclosed is a Sample Format for your reference).

12. Bring the Label into compliance with PR Notice 83-3. Remove from the Disposal subheading area, the following statement: "Do not contaminate water, food, or feed by storage and disposal." It should appear just below the Storage and Disposal heading only. Within the Storage subheading, change the Storage Statement to read, "Store in original container in a cool, dry place inaccessible to children and pets and away from heat and direct sunlight. Protect from freezing. Storage at temperatures above 90 °F may impair effectiveness."

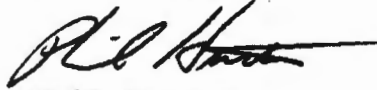
13. Within the Disposal subheading, change the statement to "Do not reuse container. Wrap container in several layers of newspaper and discard in trash."

Please be advised that EPA has established the nominal concentration as the only acceptable label claim for the amount of active ingredient in the product. After July 1, 1997, all pesticide ingredient statements (and percentage by weight on the Confidential Statement of Formula) must be changed to nominal concentration. A copy of PR Notice 91-2, Accuracy of Stated Percentages for Ingredients Statement, is also enclosed for your review.

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Submit five (5) copies of your final printed prior to releasing the product for shipment. A stamped copy is enclosed for your records.

Sincerely,



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

Enclosures:  
PR Notice 91-2  
Labeling Format

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GREEN LIGHT DIPEL<sup>R</sup> DUST

Contains *Bacillus thuringiensis* (B.T.)

Biological Insecticide For Control Of Tomato Hornworm, Looper, Webworm, Armyworm, Cutworm, Leaf Roller, Tomato Fruitworm And Other Caterpillars On Vegetables, Fruits, Ornamentals, Flowers, And Lawns

ACTIVE INGREDIENT:

Bacillus thuringiensis, Berliner 320 International Units of Potency per mg.  
(0.15 billion International Units per pound)..... 0.064%  
INERT INGREDIENTS..... 99.936%  
Dipel<sup>R</sup> is a registered trademark of Abbott Laboratories

CAUTION

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 869-

EPA Est. No. 869-TX-1

Green Light Co., San Antonio, TX 78217

Net Wt. 1 lb.

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(Back Panel)

The active ingredient, *Bacillus thuringiensis*, is a naturally occurring component of the environment. Green Light Dipel Dust is highly selective insecticide for use against listed caterpillars (larvae) of lepidopterous insects. Honey bees foraging treated areas are not harmed when Dipel Dust is used according to label directions.

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling.

STORAGE: Reclose container of unused material. Store in a dry place. DISPOSAL: Do not reuse empty container. Wrap and put in trash container.

APPLICATION DIRECTIONS: Since Dipel Dust works only in a caterpillar's stomach, a small amount of treated leaf must be eaten to provide a lethal dose. Complete coverage of both sides of foliage is necessary. After biting a treated portion of the leaf, caterpillars stop feeding within a few hours. Death follows in a few days.

Apply when caterpillars (or their damage) first appear. Retreatment at 7 or 10 day intervals may be required, especially as egg hatch may occur over an extended period of time. Use the higher rates against heavy infestations, or where it may be difficult to obtain good coverage. Dipel Dust may be applied up to time of harvest.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 11 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

869-215

RECOMMENDED APPLICATION RATES

<u>Crop</u>	<u>Pest</u>	<u>Ounces/50 Ft. Row</u>
Lettuce, Broccoli, Cabbage, Cauliflower, Collards, Spinach, Turnip Greens, Celery, Beans, Peas	Loopers	1½-2½
	Hornworms	¾-1½
	Imported Cabbageworm	¾-1½
	Diamondback Moth	1-2
	Green Cloverworm	¾-1½
	Webworm	1½-2½
	Armyworms*	2½-5

\*Dipel Dust may be used to suppress small armyworms (1st & 2nd instar) when populations are light and full ground coverage can be attained.

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Tomatoes, Peppers, Eggplant	Loopers	1½-2½
	Hornworms	¾-1½
	Tomato Fruitworm*	2½
	Variegated Cutworm	2½
	Salt Marsh Caterpillars	1½-2½
	Armyworms**	2½-5

\*Apply weekly in a preventative program.

\*\*Dipel Dust may be used to suppress small worms (1st & 2nd instar) when populations are light and full ground coverage can be attained.

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Cucurbits: Melons, Squash, Cucumbers, etc.	Rindworm Complex*	1½-2½
	Melonworms	2½-5

\*Apply weekly in a preventative program.

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Lawns	Sod Webworm	4-8 ozs/100 sq. ft.
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Flowers And Ornamentals	Loopers	1½-2½
	Tobacco Budworm	1½-2½
	Omnivorous Looper	1½-2½
	Omnivorous Leafroller	1½-2½
	Diamondback Moth	1-1 ¾
	Armyworms*	2½-5
	Ello Moth (Hornworm)	¾-1½
	lo Moth	1½-2½
	Oleander Moth	1½-2½

\*Dipel Dust may be used to suppress small armyworms (1st & 2nd instar) when populations are light and full coverage ground sprays are applied.

Grapes, Small Fruits,  
Cane & Bush Berries

Grape Leaf Skeletonizer (ground only)	1 3/4-2
Grape Leaf Folder	1 1/2-2
Achema Sphinx Moth (Hornworm)	1-2
Salt Marsh Caterpillar (ground only)	2 1/2
Omnivorous Leafroller (ground only)	1 1/2-2 1/2
Loopers	1 1/2-2 1/2