



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

APR 21 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JAMES J. WURZ
BONIDE PRODUCTS INC.
AGENT FOR: EARL MAY SEED & NURSERY L.P.
2 WURZ AVENUE
YORKVILLE, N.Y. 13495

SUBJECT: Label Amendment Submission of 01/27/94 in Response to PR Notice 93-7
EPA Reg. No. 3772-43
DIPEL BIO GARDEN SPRAY

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

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Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Avoid contact with eyes or open wounds. Avoid breathing spray mist.

ENVIRONMENTAL HAZARDS

Keep out of lakes, ponds, streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.
STORAGE: Store in original container, in a cool, dry, secure area, away from fertilizer, food or feed. Keep container closed.

ADULT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse empty container. Wrap container and put in trash.

This product, with certain chemical insecticides, may be used against the specified caterpillars and larvae. Treated vegetables may be picked and consumed anytime after spraying. Fats and dairy may ruin the treated area immediately after spray deposits dry. The active ingredient Bacillus thuringiensis has been proven conclusively to selectively affect leaf-eating caterpillars. Honey bees, foraging treated areas, are not harmed when this product is used according to label directions.

This product is easy to mix and apply with regular sprayers. Place half the required amount of water in tank or jar, add recommended amount of this product, shake or stir, add balance of water and mix. Do not stir diluted spray more than 12 hours.

Since this product works only in a caterpillar's stomach, a small amount of treated leaf must be eaten to provide a lethal dose. Complete spray coverage of both sides of foliage is necessary. After diluting treated portion of leaf caterpillars stop feeding within a few hours. Death follows in 3 to 7 days.

Do not apply directly to water.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.


KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

222069
Earl May Seed & Nursery L.P.
Shenandoah, Iowa 51603
Distributed by:

ACTIVE INGREDIENTS:
Bacillus thuringiensis, Berliner, 4,320 International Units of Potency per MG
"DIPEL" is the registered trademark of Abdon Laboratories, North Chicago, Illinois 60064.

DIPEL BIOLOGICAL INSECTICIDE SPRAY
KILLS CATERPILLARS AND VEGETABLE WORMS

For
Gypsy Moth,
Tomato Hornworm,
Inchworm, Webworm, Cabbageworm,
Looper, and other specified caterpillars.



CABBAGE WORM

Green, fleshy
leafy vegetables.

Quinolon

TENT CATERPILLAR

Most harm is
caused by "tent"
in trees.



LOOPER

(Green Worm)
Feeds on cabbage,
broccoli, and flowers.



TOMATO HORNWORM

Large, green,
and seagull like

RECOMMENDED APPLICATION RATES

Vegetables

Lettuce, Broccoli, Cabbage, Cauliflower, Celeriac, Kale, Spinach, Asparagus & Tender Greens

Cabbage Looper (Green Worms)..... 2-4

Imported Cabbageworm..... 1-2

Diapausic Moth..... 1-2

Beetle, Cucumbers, Melons, Potatoes

Cabbage Looper..... 2-4

Tomatoe

Tomato Hornworm..... 1-2

Tomatoe Footrot (Corn Earworm)..... 4

Cabbage Looper..... 2-4

Caterpillar

Cabbage Looper, Caterpillar..... 2-4

Grass

Grass Leaf Folder..... 2-4

Ornamental & Shade Trees (to 25 feet)

Gypsy Moth Larvae, Bagworm, Sawfly and Fall Caterpillars (Pyralids)

Fall Webworm..... 2

Tent Caterpillar, Red Turned Caterpillar (Cecidaria only)..... 1-2

Em Spanworm..... 4

For best control of Gypsy Moth, apply when caterpillars are small. Repeat treatment if necessary.

**This product may be applied up to day of harvest.

**For the best results apply every 5-7 days.

GYPSY MOTH

Hairy, silvery
tree defoliator.



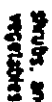
BAG WORM

Carries its bag;
emerges as
tree.



INCHWORM

Caterpillars or
Measuring Worms
Common on trees,
shrubs, and
vegetables.



GRAPE LEAF FOLDER

Feeds leaves with
fine threads,
and makes holes.



ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 21 1984

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

3722-43

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Avoid contact with eyes or open wounds. Avoid breathing spray mist.

Do not apply directly to water.

ENVIRONMENTAL HAZARDS
Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

STORAGE: Store in original container, in a cool, dry, secure area, away from fertilizer, food or feed. Keep container closed.

PRODUCT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.


CONTAINER DISPOSAL: Do not reuse empty container. Wrap container and put in trash.

This product, unlike certain chemical insecticides, may be used anytime the specified caterpillars appear. Treated vegetables may be picked and consumed anytime after spraying. Pets and family may return to the treated area immediately after spray deposits dry. The active ingredient *Bacillus thuringiensis*, has been proven commercially to selectively affect leaf-eating caterpillars. Honey bees, foraging treated areas, are not harmed when this product is used according to label directions.

This product is easy to mix and apply with regular sprayers. Place half the required amount of water in tank or jar, add recommended amount of this product, shake or stir, add balance of water and mix. Do not store diluted spray more than 12 hours.

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.



DIPPEL BIOLOGICAL

INSECTICIDE SPRAY

KILLS CATERPILLARS AND VEGETABLE WORMS

ACTIVE INGREDIENTS:
Bacillus thuringiensis, Berliner, 4,320 International Units of Potency per MG (1.96 billion International units per pound).
"DIPPEL" is the registered trademark of Abbott Laboratories, North Chicago, Illinois 60064.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
NET WEIGHT 8 OUNCES
Distributed by:
EARL MAY SEED & NURSERY L.P.
Shenandoah, Iowa 51503
22369

FOR

Gypsy Moth,
Inchworm, Webworm, Cabbageworm,
Looper, and other specified caterpillars.

	RECOMMENDED APPLICATION RATES																																											
CABBAGE WORM		GYPSY MOTH																																										
<p>Green, fleshy leafy vegetables.</p> <p>TENT CATERPILLAR Most form a webbed "Tent" in trees.</p> <p>LOOPER (Green Worm) Feeds on cabbage, lettuce, and flowers.</p> <p>TOMATO HORNWORM Large, green, eats peppers too.</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">Tbsps. per Gal. of Spray</td> </tr> <tr> <td>Vegetables</td> <td></td> </tr> <tr> <td>Lettuce, Broccoli, Cabbage, Cauliflower, Collards, Kale, Spinach, Mustards & Turnip Greens</td> <td></td> </tr> <tr> <td>Cabbage Looper (Green Worms)</td> <td style="text-align: right;">2-4</td> </tr> <tr> <td>Imported Cabbageworm</td> <td style="text-align: right;">1-2</td> </tr> <tr> <td>Diamondback Moth</td> <td style="text-align: right;">1-2</td> </tr> <tr> <td>Beans, Cucumbers, Melons, Potatoes</td> <td></td> </tr> <tr> <td>Cabbage Looper</td> <td style="text-align: right;">2-4</td> </tr> <tr> <td>Tomatoes</td> <td></td> </tr> <tr> <td>Tomato Hornworm</td> <td style="text-align: right;">1-2</td> </tr> <tr> <td>Tomato Fruitworm (Corn Earworm)</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Cabbage Looper</td> <td style="text-align: right;">2-4</td> </tr> <tr> <td>Celery</td> <td></td> </tr> <tr> <td>Cabbage Looper, Celery Looper</td> <td style="text-align: right;">2-4</td> </tr> <tr> <td>Grapes</td> <td></td> </tr> <tr> <td>Grape Leaf Folder</td> <td style="text-align: right;">2-4</td> </tr> <tr> <td>Ornamental & Shade Trees (to 25 feet)</td> <td></td> </tr> <tr> <td>Gypsy Moth Larvae, Bagworm</td> <td style="text-align: right;">2-4</td> </tr> <tr> <td>Spring and Fall Caterpillars (Inchworms), Fall Webworm</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Tent Caterpillar, Red-Humped Caterpillar (California only)</td> <td style="text-align: right;">1-2</td> </tr> <tr> <td>Elm Spanworm</td> <td style="text-align: right;">4</td> </tr> </table> <p>*For best control of Gypsy Moth, apply when caterpillars are small. Repeat treatment if necessary. **This product may be applied up to day of harvest. ***For the best results apply every 5-7 days.</p>		Tbsps. per Gal. of Spray	Vegetables		Lettuce, Broccoli, Cabbage, Cauliflower, Collards, Kale, Spinach, Mustards & Turnip Greens		Cabbage Looper (Green Worms)	2-4	Imported Cabbageworm	1-2	Diamondback Moth	1-2	Beans, Cucumbers, Melons, Potatoes		Cabbage Looper	2-4	Tomatoes		Tomato Hornworm	1-2	Tomato Fruitworm (Corn Earworm)	4	Cabbage Looper	2-4	Celery		Cabbage Looper, Celery Looper	2-4	Grapes		Grape Leaf Folder	2-4	Ornamental & Shade Trees (to 25 feet)		Gypsy Moth Larvae, Bagworm	2-4	Spring and Fall Caterpillars (Inchworms), Fall Webworm	2	Tent Caterpillar, Red-Humped Caterpillar (California only)	1-2	Elm Spanworm	4	<p>Hairy, severe tree defoliator.</p> <p>BAG WORM Carries its bag; evergreens and trees.</p> <p>INCHWORM (Caterpillar or Measuring Worm) Common on trees, shrubs, and vegetables.</p> <p>GRAPE LEAF FOLDER Folds leaves with fine threads, and hides inside.</p>
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