

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



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

MAY 23 2003

Ms. Mary Beth Endres  
Brazos Associates, Inc.  
2001 Diamond Ridge Drive  
Carrollton, TX 75010-4509

Dear Ms. Endres:

Subject: Revised Labeling per PR Notices 2001-1 and 2001-6; Revised CSF  
Hi-Yield® Carbaryl plus DiPel® Dust  
EPA Registration No. 7401-310  
Your Submission Dated October 18, 2001

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes before you release the product for shipment bearing the amended labeling:


1. Revise the sentence under the First Aid heading as follows: "Carbaryl is an ....inhibitor." Also, you are encouraged to add a company telephone number or toll-free hotline number. You may use the National Pesticide Telecommunications Network (NPTN). See the enclosed pamphlet for more information.
2. Revise the Note to Physician section as follows: "Carbaryl is an N-methyl carbamate the inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridene-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage."
3. Revise the Precautionary Statements as follows: "Harmful is swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Avoid contamination of food and feed...grass is dry."
4. Under Directions for Use revise "For plants above...product." to read: "Do not use on plants that are above chest height."

5. The new product brand name, Hi-Yield® Carbaryl Plus DiPel® Dust is acceptable.

The confidential statement of formula for the basic formulation dated October 18, 2001 is acceptable. This CSF has been added to your file and supercedes all pervious versions.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records. If you have any questions, please contact me at (703) 308-6249 or [hebert.john@epa.gov](mailto:hebert.john@epa.gov).

Regards,



John Hebert  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

[FRONT PANEL]

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

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MAY 23 2003  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
7407-310

Hi-Yield®

# CARBARYL PLUS DiPel® DUST

- Ideal For Home Vegetable Garden Insect Control
- Kills Many Insects In Flower Beds, Shrubs, Lawns And Around The Home
- Biological Control Added To Carbaryl

**ACTIVE INGREDIENTS:**

<i>Bacillus thuringiensis</i> , subsp. <i>kurstaki</i> *.....	0.048%
Carbaryl: 1-naphthyl N-methylcarbamate .....	5.000%

<b>INERT INGREDIENTS:</b> .....	<u>94.952%</u>
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<b>TOTAL:</b> .....	100.000%
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\*Potency: 0.11 billion International Units per pound of this product  
 Berliner Potency of 240 International Units per mg  
 Potency units should not be used to adjust use rates

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE BACK PANEL FOR ADDITIONAL CAUTIONS**

**NET CONTENTS \_\_\_\_\_**

[BACK PANEL]

### DIRECTIONS FOR USE

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

READ ENTIRE LABEL BEFORE EACH USE.

#### USER SAFETY REQUIREMENTS

- \* Wear long-sleeved shirt, long pants, shoes plus sock and household latex or rubber gloves when mixing and applying this product.
- \* Change clothing as soon as possible after use.
- \* Wash the outside of gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking or using the toilet.
- \* Do not allow children or pets to contact treated area until sprays have dried.

This product is especially formulated to kill insects in vegetable gardens, flower beds, lawns, and shrubs around the home. To protect and provide for healthier more productive vegetables, flowers and shrubs use this product to eliminate the following listed pests:

Mexican Bean Beetle	Armyworms	Cucumber Beetle
Bean Leaf Beetle	Cabbage Worms	Japanese Beetle
Cutworms	June Beetle	Corn Earworm
Stink Bugs	Rose Aphids	Squash Bug
Tomato Fruitworm	Lace Bugs	Spittlebug
Potato Beetle	Apple Aphids	Rose Slugs
Ants	Leafhoppers	Melonworms
Bagworms	Flea Beetles	Scale Insects
Mosquitoes	Lygus Bugs	Puss Caterpillars
Sod Webworms	Mealy Bugs	Fleas
Sap Beetles	Cabbage Looper	Chinch Bugs
Harlequin Bugs	Pickleworm	Millipedes
Fireworms	Corn Borer	

**FOLIAGE APPLICATION:** Apply when insects or their damage is apparent. The number in ( ) following each crop indicates days required between last application and harvest. This product may be used on the following vegetables.

Wearing household latex or rubber gloves, use a dust applicator such as a shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate duster as available. Dust lightly to cover upper and lower leaf surfaces with a thin, even film or dust. Apply when air is calm to avoid drift and contact with eyes and skin. Start applying at the farthest corner of the treatment

## [BACK PANEL CONTINUED]

area and work backward to avoid contact with dusted surfaces. Allow dust to settle in treated areas before reentering. For plants above chest high, consider using a liquid carbaryl product. Do not repeat application more than once a week.

**BEANS (Green, Lima, Snap Beans, Cowpeas and Blackeyed Peas) (3):** For control of Mexican Bean Beetle, Bean Leaf Beetle, Corn Earworm, Cucumber Beetle, Flea Beetle, Japanese Beetle, Leafhopper, Velvetbean Caterpillar, Western Bean Cutworms, Armyworms, Stink Bugs and Tarnish Plant Bug. Use 0.5 to 1.0 lbs. per 1,000 sq. ft. When Mexican bean Beetle is the only problem a rate of 0.25 lbs. per 1,000 sq. ft. is sufficient.

**CABBAGE (3), BROCCOLI (3), BRUSSELS SPROUTS (3), CAULIFLOWER (3), KOHLRABI (3):** For control of Flea Beetles, Harlequin Bug, Armyworms, Cabbage Caterpillars, Corn Earworm. To control Small Cabbage Loopers, use a 5 - 7 day schedule. Use 0.25 to 1.0 lbs. per 1,000 sq. ft. for Flea Beetles and Harlequin Bug. For all other insects use 0.5 to 1.0 lbs. per 1,000 sq. ft.

**CANTALOUPE (3), CUCUMBER (3), MELONS (3), PUMPKIN (3) AND SQUASH (3):** For control of Pickleworms, Melonworm, Cucumber Beetle, Flea Beetle, Leafhopper and Squash Bugs. May cause some leaf injury during prolonged high humidity. Do not use on watermelons in Florida. Use 0.5 to 1.0 lbs. per 1,000 sq. ft.

**CARROTS (7):** For the control of Flea Beetles, Leafhoppers, Six-Spotted Leafhoppers (aster yellows vector), Armyworms, Spittlebug and Stink Bugs. Use 0.5 to 1.0 lbs. per 1,000 sq. ft.

**COLLARDS (14), GARDEN BEETS - ROOTS (7), GARDEN BEETS - TOPS (14), KALE (14), LETTUCE - HEAD (14), LETTUCE - LEAF (14), MUSTARD GREENS (14), RADISHES (7), RUTABAGA (7), SPINACH (14), TURNIPS - ROOTS (7), AND TURNIPS, TOPS (14):** For control of Flea Beetles, Harlequin Bug and Leafhoppers, Armyworms, Corn Earworm, Diamond-back Moth Larvae, Imported Cabbageworm, Stink Bugs, Tarnished Plant Bug. For Flea Beetles, Harlequin Bug and Leafhoppers use 0.25 - 0.5 lbs. per 1,000 sq. ft. For all other insects use 0.5 - 1.0 lbs. per 1,000 sq. ft.

**OKRA (3):** For control of Corn Earworm and Stink Bugs. Use 2.5 to 5.0 lbs. per 1,000 sq. ft.

**POTATO (7), TOMATO (3), EGGPLANT (3) AND PEPPER (3):** For control of Colorado Potato Beetle, Flea Beetle, Leafhopper, European Corn Borer, Fall Armyworm, Lace Bugs, Tomato Fruitworm, Tomato Hornworm, Tarnish Plant Bugs and Stink Bugs. Use 0.25 lbs. per 1,000 sq. ft. for Colorado Potato Beetle. For all other insects use 0.5 to 1.0 lbs. per 1,000 sq. ft.

**SWEET CORN (2):** For control of Corn Earworm, Corn Rootworm adults, European Corn Borer, Fall Armyworm, Flea Beetles, Japanese Beetles, Sap Beetles and Leaf Hoppers. For larvae in whorl (budworm damage) and foliage feeders, apply to entire plant. Use 0.75 to 1.0 lbs. per 1,000 sq. ft.

For insects attacking silks and ears, apply at 2 - 3 day intervals starting when first silks appear and continuing until silks begin to dry. Three or more applications may be required depending on severity of infestation. Timing and good coverage are essential for effective control.

**[BACK PANEL CONTINUED]**

Application of this product to tassel region of corn during the pollen shed period will seriously reduce bee populations.

Subsequent plantings of food and feed crops in treated soil must be made with crops on this or other carbaryl labels

**STORAGE AND DISPOSAL**

**STORAGE:** Keep out of reach of children and pets. Store in original containers only. Store in cool, dry place and avoid excess heat.

**DISPOSAL: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Do not apply by hand. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling and before smoking or eating. Avoid contamination of food and feed products. Do not store near food and feed products. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

<b>FIRST AID</b>	
This product is an N-methyl carbamate and is a cholinesterase inhibitor.	
If swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

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If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p><b>NOTE TO PHYSICIAN:</b> Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is an antidote. DO NOT use 2-PAM, opiates or cholinesterase-inhibiting drugs.</p>	

### ENVIRONMENTAL HAZARDS

This product is highly toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of waste. Do not apply directly to water. Apply this product only as specified on this label.

May kill honeybees in substantial numbers. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Do not use when value of bees as pollinators is more important than insect control. Before applying, warn beekeepers to locate hives beyond bee flight range until 1 week after application or to take other equally effective precautions.

**NOTE:** Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

VOLUNTARY PURCHASING GROUPS, INC.  
P.O. BOX 460  
BONHAM, TX 75418

EPA REG. NO. 7401-310  
EPA EST. NO. 7401-TX-1