

67517-31

9-4-2003

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

SEP 4 2003

Joseph E. Dyer  
Regulatory Agent  
PM Resources, Inc.  
13001 St Charles Rock Road  
Bridgeton, MO 63044

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**Subject:** Label Amendment: First Aid, Storage & Disposal  
General Carbaryl 5 Insecticide.  
EPA Reg. No. 67517-31  
Submission dated June 6, 2003, **acceptable with comments.**

Dear Mr. Dyer:

The revised labeling referenced above, submitted in connection with the registration under the Federal Insecticide, fungicide, and Rodenticide Act (FIFRA) as amended, is accepted with the following comments:

- 1) Revise the Precautionary Statements to say "Harmful if swallowed or **inhaled**. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse".
- 2) The Note to Physician should be updated to read "Carbaryl is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Specific antidote consists of atropine. Narcotics and other sedatives should not be used. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended.
- 3) Delete "For terrestrial uses" from the Environmental Hazards since only terrestrial uses are listed on your label.
- 4) "Do not use on plants above chest height" must replace "for plants above chest height consider using a Sevin liquid product" on page 3.

A stamped copy "accepted with comments" of the label is enclosed for your records. Please submit two (2) copies of the final printed before shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.

Chemist

Insecticide-Rodenticide Branch  
Registration Division (7505C)

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**GENERAL CARBARYL - 5 INSECTICIDE**

**FOR USE ON VEGETABLES, FRUITS AND LAWNS**

**ACTIVE INGREDIENT:**

Carbaryl (CAS# 63-25-2) ..... 5.0%

**OTHER INGREDIENTS:**..... **ACCEPTED** ..... **95.0%**

**with COMMENTS**  
**In EPA Letter Dated:**

**TOTAL 100.0%**

**SEP 4 2003**

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

**67517-31**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE SIDE/BACK PANEL FOR  
ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA Reg. No.: 67517-31  
Net Wt. 4 LB

EPA Est. No.: 67517-MO-1

Manufactured By  
**PM RESOURCES, INC.**  
13001 St. Charles Rock Road  
Bridgeton, MO. 63044

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**SIDE/BACK PANEL**

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

May be harmful if swallowed. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Do not use this product in commercial food areas or food handling establishments, restaurants, or other places where food is prepared or processed.

**USER SAFETY REQUIREMENTS**

Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when 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 dust has settled.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**FIRST AID**

<b>If Swallowed</b>	<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>
<b>If Inhaled</b>	<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>
<b>If on Skin or Clothing</b>	<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>
<b>If in Eyes</b>	<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>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

This product contains N-Methyl Carbamate, which is a moderate reversible cholinesterase inhibitor. Atropine by injection is antidotal. Do not use 2-Pam, opiates, or cholinesterase - inhibiting drugs.

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**SIDE/BACK PANEL**

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to aquatic and estuarine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning equipment or disposal of equipment washwaters.

**BEE CAUTION:**

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**DIRECTIONS FOR USE**

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

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 both upper and lower leaf surfaces with a thin, even film of dust.

Apply when air is calm to avoid drift and contact with eyes and skin.

Start applying at the farthest corner of the treatment area and work backward to avoid contact with dusted surfaces. Allow dust to settle in treated areas before reentering.

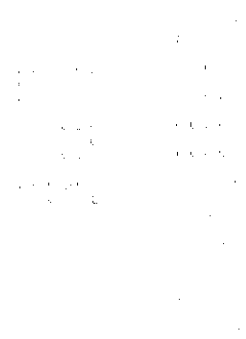
For plants above chest height, consider using a liquid SEVIN® product

Do not repeat applications more than once a week.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**INTERVAL BEFORE HARVEST:**

This product can be used up to and including the day of harvest on all crops listed except as otherwise stated under each category.



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**SIDE/BACK PANEL**

**DIRECTIONS FOR USE (Continued)**

**CHEMIGATION PROHIBITION**

Do not apply this product through any type of irrigation system.

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

**CAUTION:** Some phytotoxicity may occur on tender foliage in the presence of rain or high humidity of several days' duration following application.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- waterproof gloves
- shoes plus socks

**SIDE/BACK PANEL**

**DIRECTIONS FOR USE (Continued)**

**PHI = PREHARVEST INTERVAL (i.e., days between the last application and harvest)**

COMMODITY	PESTS/USE RATES
<p><b><u>ASPARGUS:</u></b></p>	<p>To control Apachi cicada, cutworms and asparagus beetle - apply at a rate of 20 to 40 lbs per acre <u>or</u> 1 to 2 ounce per 50 feet of row.</p> <p>Application to Spears:                      The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop</p> <p>Application to Ferns (after harvest of spears): The maximum single application rate is 40 lbs product/acre/application with a maximum seasonal application rate of 80 lb product/acre/crop                      The retreatment interval = 7 days when applied to ferns after harvest                      The retreatment interval = 3 days when applications are to spears                      PHI = 1 day</p> <p>The total maximum seasonal application rate for spears and ferns is 200 lbs product/acre/crop</p> <p>The total number of applications is 3 prior to harvest with 2 additional applications to ferns only</p>
<p><b><u>BEANS, FRESH AND DRIED (SNAP, NAVY AND KIDNEY); PEA, FRESH AND DRIED; COWPEA, LENTIL:</u></b></p>	<p>To control Mexican Bean Beetle, Bean Leaf Beetle, Cucumber Beetles, Leafhoppers, Flea Beetles, Japanese, and Corn Earworm - apply 1 ounce per 50 feet of row <u>or</u> apply 20 pounds per acre. To control Lygus Bug, Stink Bug and Lima Bean Pod Borer - apply 1.5 ounce per 50 feet of row <u>or</u> apply 30 pounds per acre.</p> <p>The maximum single application rate is 30 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 3 days (succulents)                      PHI = 21 days (dried)                      PHI = 14 days (forage)                      PHI = 21 days (hay)</p>
<p><b><u>GARDEN BEETS (ROOTS), CARROTS, HORSE RADISH, RADISH, PARSNIP, PUTABAGA, SALSIFY, TURNIPS (ROOTS):</u></b></p>	<p>To control Flea Beetles, Harlequin Bugs, - apply 1 ounce per 50 feet of row <u>or</u> apply 20 pounds per acre. To control Corn Earworm, Armyworm, Imported Cabbageworm, Diamond-back moth larvae, Lygus Bugs - apply 1 to 2 ounce per 50 feet of row <u>or</u> apply 20 to 40 pounds per acre.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 7 days</p> <p>The total number of applications/crop can be 6 (some of which must be at lower than maximum single application rate)</p>

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**SIDE/BACK PANEL**

**DIRECTIONS FOR USE (Continued)**

**PHI = PREHARVEST INTERVAL (i.e., days between the last application and harvest)**

COMMODITY	PESTS/USE RATES
<p><b><u>SUGARBEETS:</u></b></p>	<p>To control flea beetles, harlequin - apply 1 ounce per 50 feet of row <u>or</u> apply 20 pounds per acre. To control corn Earworm Imported Cabbage worm, Diamond - back moth larvae, tarnished plant bug and stink bugs, apply 20 to 40 pounds per acre or 1 to 2 ounce to 50 feet of row.</p> <p>The maximum single application rate is 30 lbs product/acre/application                      The maximum seasonal application rate is 60 lbs product/acre/crop                      The retreatment interval = 14 days                      PHI = 28 days (roots, forage)</p>
<p><b><u>MUSTARD GREENS:</u></b></p>	<p>To control Flea Beetle and Harlequin Bug - apply 1 ounce per 50 feet of row <u>or</u> apply 20 pounds per acre. To control Corn Earworm, Armyworm, Imported Cabbageworm, Diamond-back moth larvae - apply 1 to 2 ounce per 50 feet of row <u>or</u> apply 20 to 40 pounds per acre.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 13 to 14 days</p> <p>The total number of application/crop can be 4 (some of which must be at lower than maximum single application rate)</p>
<p><b><u>BRUSSELS SPROUTS,</u></b>  <b><u>BROCCOLI, CABBAGE,</u></b>  <b><u>CAULIFLOWER,</u></b>  <b><u>CHINESE CABBAGE,</u></b>  <b><u>COLLARDS, KALE,</u></b>  <b><u>KOHLRABI:</u></b></p>	<p>To control Flea Beetle and Harlequin Bug - apply 1 ounce per 50 feet of row <u>or</u> apply 20 pounds per acre. To control Corn Earworm, Armyworm, Imported Cabbageworm, Diamond-back moth larvae - apply 1 to 2 ounce per 50 feet of row <u>or</u> apply 20 to 40 pounds per acre. Will not control cabbage loopers.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 3 days (Brussels sprouts, broccoli, cabbage, kohlrabi, cauliflower)                      PHI = 14 days (Chinese cabbage, kale, collards)</p> <p>The total number of applications/crop can be 4 (some of which must be at lower than maximum single application rate)</p>

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**SIDE/BACK PANEL**

**DIRECTIONS FOR USE (Continued)**

**PHI = PREHARVEST INTERVAL (i.e., days between the last application and harvest)**

<b>COMMODITY</b>	<b>PESTS/USE RATES</b>
<b><u>CORN (FIELD AND POP):</u></b>	<p>To control Corn Earworm, European Corn Borer, Fall Armyworm, Sap Beetles, and Japanese Beetles - apply 1.5 to 2 ounce per 50 feet of row <u>or</u> apply 30 to 40 pounds per acre. For European Corn Borer apply thoroughly into the whorles when plants are about knee high. For budworm damage in the whorl, apply to entire plant. For insects attacking silks and ears, apply at 7day intervals starting when first silks appear and continuing until silks begin to dry. Three or more applications may be required depending upon severity of infestation. Application of this product to the tassel region of corn during the pollen shed period will seriously reduce bee population.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 160 lbs product/acre/crop                      The retreatment interval is 14 days</p> <p>PHI = 14 days (forage, silage)                      PHI = 48 days (grain, fodder)</p>
<b><u>CORN (SWEET):</u></b>	<p>To control Corn Earworm, European Corn Borer, Fall Armyworm, Sap Beetles, and Japanese Beetles - apply 1.5 to 2 ounce per 50 feet of row <u>or</u> apply 30 to 40 pounds per acre. For European Corn Borer apply thoroughly into the whorles when plants are about knee high. For budworm damage in the whorl, apply to entire plant. For insects attacking silks and ears, apply at 7day intervals starting when first silks appear and continuing until silks begin to dry. Three or more applications may be required depending upon severity of infestation. Application of this product to the tassel region of corn during the pollen shed period will seriously reduce bee population.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 320 lbs product/acre/crop                      The retreatment interval = 3 days                      PHI = 2 days (ears)                      PHI = 14 days (forage)                      PHI = 48 days (fodder)</p>
<b><u>CUCUMBER, MELON, SQUASH:</u></b>	<p>To control Pickleworm, Melonworm, Cucumber Beetles, Squash Bug, Flea Beetle - apply 1 ounce per 50 feet of row <u>or</u> apply 20 pounds per acre.</p> <p>The maximum single application rate is 20 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product /acre/crop                      The retreatment interval = 7 days                      PHI = 3 days</p>

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## SIDE/BACK PANEL

### DIRECTIONS FOR USE (Continued)

**PHI = PREHARVEST INTERVAL (i.e., days between the last application and harvest)**

COMMODITY	PESTS/USE RATES
<p><b><u>LETTUCE, HEAD AND LEAF; ENDIVE, CELERY, DANDELION, PARSLEY, SPINACH, SWISS CHARD, HANOVER SALAD, RHUBARB, GARDEN BEETS, (TOPS), TURNIPS (TOPS):</u></b></p>	<p>The control Flea Beetles, Harlequin Bug, and Leafhoppers - apply 1 ounce per 50 feet of row or apply 20 pounds per acre. To control Corn Earworm, Armyworm, Imported Cabbageworm, Diamond - back moth larvae, Lygus Bugs - apply 1 to 2 ounce per 50 feet of row <u>or</u> apply 20 to 40 pounds per acre.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 14 to 15 days</p> <p>The total number of applications/crop can be 5 (some of which must be at lower than maximum single application rate)</p>
<p><b><u>POTATO:</u></b></p>	<p>To control Colorado Potato Beetle, Leafhoppers, and Flea Beetle - apply 1 ounce per 50 feet of row or apply 20 pounds per acre, and for Lygus Bugs - apply 1 to 2 ounce per 50 feet of row <u>or</u> apply 20 to 40 pounds per acre.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 120 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 7 days</p> <p>The total number of applications/crop can be 6 (some of which must be at lower than maximum single application rate)</p>
<p><b><u>STRAWBERRIES:</u></b></p>	<p>To control meadow spittlebug, strawberry leafroller and strawberry weevil apply at a rate of 1 to 2 ounce to 50 feet of row or at the rate of 20 to 40 pounds per acre.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 200 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 7 days</p>
<p><b><u>TOMATO, EGGPLANT, PEPPER:</u></b></p>	<p>To control Tomato Fruitworm, Fall Armyworm, Flea Beetles and Leafhoppers - apply 1 ounce per 50 feet or row <u>or</u> apply 20 pounds per acre. For control of Tomato Hornworm, European Corn Borer and Stink Bugs - apply 1 to 2 ounce per 50 feet of row <u>or</u> apply 20 to 40 pounds per acre.</p> <p>The maximum single application rate is 40 lbs product/acre/application                      The maximum seasonal application rate is 160 lbs product/acre/crop                      The retreatment interval = 7 days                      PHI = 3 days</p> <p>The total number of applications/crop can be 7 (some of which must be at lower than maximum single application rate)</p>

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**SIDE/BACK PANEL**

**DIRECTIONS FOR USE (Continued)  
WHEAT**

For control of Flea beetles apply at a rate of 1 to 2 ounce 1 per 50 feet of row or 20 to 40 pounds per acre. The maximum single application rate of 3 lb ai/acre/application with a maximum seasonal application rate of 6 lb ai/acre/crop retreatment interval = 14 days  
PHI = 21 days (grain or straw)  
PHI = 7 days (forage)

**LAWNS**

To control Leafhoppers, Fall Armyworm, and Sod Webworm - apply 4 pounds per 1,000 square feet. For best results, apply after rain or watering and do not water for at least 2 days after application. Repeat in 2 to 3 weeks if necessary.

**EARWIGS**

This material is effective in controlling earwigs and when properly used will reduce the number gaining entrance to homes and buildings. Apply 2 pound to 150 linear feet completely around the foundation wall of buildings. The material should be applied heavily in a band 3 to 4 inches in width, using a shaker type can or fruit jar with holes punched in the lid. Earwigs breed over wide areas around yards and fields and are driven by cold weather to seek shelter in warm buildings. As they move along the foundation wall seeking entrance, they come in contact with the treated barrier and are killed. Be sure to treat in front of all steps and other entrance ways as well as along the foundation wall. Treat, also, around refuse piles, lumber, mulch, and other areas in the yard offering areas of concealment to earwigs. Repeat application in 10 days or when earwigs become troublesome. If the dust barrier is washed away by rain, it should be replaced with a new application if earwigs are still a problem.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store pesticide in original container and place in a locked storage area.

**Pesticide Disposal:** Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Container Disposal:** Do not reuse empty container. Wrap and discard in trash.

**NOTICE OF WARRANTY**

**PM RESOURCES, INC. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.**