

33955-533

04/04/2000

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

APR 4 2000

Craig Martens
PBI/Gordon Corporation
P.O. Box 014090
Kansas City, Missouri 64101

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Acme Sevin Brand Carbaryl Insecticide Liquid Dura-Spray
EPA Registration No. 33955-533
Amendment dated September 14, 1999
Resubmission dated December 10, 1999
Label submission for carbaryl products as per the GDE
issued on 6 August 1999.

Dear Mr. Martens:

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

1. Correct the PHI for apple and pear to 3 days.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely,

A handwritten signature in cursive script that reads "George Tompkins".

George Tompkins, Ph.D., Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

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ACME[®]

**SEVIN[®] BRAND
CARBARYL INSECTICIDE
LIQUID DURA-SPRAY[®]**

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
-APR 4 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
33955-533**

AN INSECTICIDE FOR THE CONTROL OF CERTAIN PESTS AFFECTING
VEGETABLES, FRUIT, CITRUS FRUIT, NUTS, SHADE TREES, FRUIT
TREES, LAWN AND ORNAMENTALS.

- KEEP FROM FREEZING -

ACTIVE INGREDIENT:	
Carbaryl (1-naphthyl N-methylcarbamate)	23.4%
INERT INGREDIENTS:	76.6%
TOTAL	100.0%

This Product Contains 2 lbs. carbaryl per gallon.
SEVIN[®] is the registered trademark of Rhône-Poulenc Nederland B.V.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for Precautionary Statements and Statement of Practical Treatment

NET CONTENTS: ONE-HALF GALLON

838/ APXXXXXX
EPA REG. NO. 33955-533
EPA Est. No. 2217-KS-1

MANUFACTURED BY:

An Employee-Owned Company
1217 West 12th Street
Kansas City, Missouri 64101



READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing.

<p>User Safety Requirements:</p> <ul style="list-style-type: none"> ◆ Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when mixing and applying this product. ◆ Wear a hat and eye protection when making overhead applications. ◆ Removed clothing immediately if pesticide soaks clothing. 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.
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Statement of Practical Treatment

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. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

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

NOTE TO PHYSICIAN: Carbaryl is a moderate reversible cholinesterase inhibitor. Atropine sulfate is antidotal. Do not use 2-PAM, opiates, or cholinesterase inhibiting drugs.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic and estuarine invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater. Do not apply when weather conditions favor drift away from target area.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or 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.

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 ornamental gardens or parks, or on golf courses or lawns and grounds.

STORAGE & DISPOSAL

STORAGE: Keep from freezing. Store in original container in a cool, dry and locked storage area inaccessible to children or pets. Do not store with food or feed. Do not store in areas where temperatures frequently exceed 100°F. Keep from freezing as bottle may break.

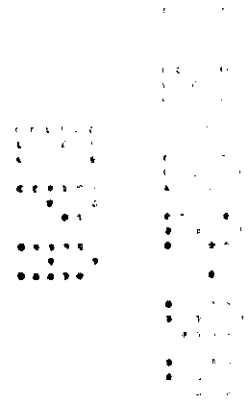
PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash.

INSECT CONTROL:

Apply when insects or their damage appears. To maintain control repeat at 7 to 10 day intervals unless a shorter interval is specified below. Where a dosage range is indicated use the lower rate on young plants and early instars, and use the higher rate on mature plants, advanced instars, and adults. Thorough and uniform spray coverage is essential for effective control.

- ◆ Shake well before measuring. Keep container closed to prevent caking of contents. Best results are obtained by diluting measured amount of product with water in a separate container before adding to the sprayer.
- ◆ 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 wet surfaces. Allow spray to dry in treated areas before reentering.
- ◆ For trees taller than 10 feet, consider hiring a licensed professional.
- ◆ Spray thoroughly to wet upper and lower leaf surfaces, stems and branches.
- ◆ Subsequent planting of food and feed crops in treated soil must be made with crops on this or other carbaryl label(s).



- INSECT CONTROL -

Vegetables, Berries, Citrus Fruit, Stone Fruits, Pome Fruits & Nuts	Insects	Maximum Application Rate, Tsp. of Product/ 1 Gal. of Water	Retreatment Interval, Days	Preharvest Interval, Days	Comments
Beans (green & lima); Peas	bean leaf beetle, flea beetle, Japanese beetle, leafhoppers, thrips, Western cutworm, armyworm, chinch bug, corn earworm, corn rootworm (adults), European corn borer, fall armyworm, Colorado potato beetle, tomato fruitworm, tomato hornworm, tomato pinworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 3 days (succulents) PHI = 21 days (dried) PHI = 14 days (forage) PHI = 21 days (hay)	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Carrots; Beets (roots only); Parsnip; Radish; Rutabaga	flea beetle, harlequin bug, leafhoppers, lygus bug, spittlebug, armyworm, corn earworm, fall armyworm, imported cabbageworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 7 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Brussel sprouts; Broccoli; Cabbage; Cauliflower	flea beetle, harlequin bug, leafhoppers, lygus bug, spittlebug, armyworm, corn earworm, fall armyworm, imported cabbageworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 3 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Sweet Corn Only	bean leaf beetle, flea beetle, Japanese beetle, leafhoppers, thrips, Western cutworm, armyworm, chinch bug, corn earworm, corn rootworm (adults), European corn borer, fall armyworm, Colorado potato beetle, tomato fruitworm, tomato hornworm, tomato pinworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	3 days	PHI = 2 days (ears) PHI = 14 days (forage) PHI = 48 days (fodder)	To control corn earworm, apply to silks when earworms appear. Make 3 to 4 applications at 3 day intervals as infestation warrants. Application of this product to the corn tassel during pollination will seriously reduce bee ^A population. Spray thoroughly to wet upper and lower leaf surfaces, and stems.

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Continued....

Vegetables, Berries, Citrus Fruit, Stone Fruits, Pome Fruits & Nuts	Insects	Maximum Application Rate, Tsp. of Product/ 1 Gal. of Water	Retreatment Interval, Days	Preharvest Interval, Days	Comments
Cucumber; Melon; Pumpkin; Squash (summer & winter)	pickleworm, melonworm, cucumber beetle, flea beetle, leafhoppers, and squash bug.	4 - 6 tsp./gallon	7 days	PHI = 3 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Potato	bean leaf beetle, flea beetle, Japanese beetle, leafhoppers, thrips, Western cutworm, armyworm, chinch bug, corn earworm, corn rootworm (adults), European corn borer, fall armyworm, Colorado potato beetle, tomato fruitworm, tomato hornworm, tomato pinworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 7 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Tomato; Eggplant; Pepper	bean leaf beetle, flea beetle, Japanese beetle, leafhoppers, thrips, Western cutworm, armyworm, chinch bug, corn earworm, corn rootworm (adults), European corn borer, fall armyworm, Colorado potato beetle, tomato fruitworm, tomato hornworm, tomato pinworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 3 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Lettuce (head & leaf); Endive; Spinach; Garden Beets (tops only);	flea beetle, harlequin bug, leafhoppers, lygus bug, spittlebug, armyworm, corn earworm, fall armyworm, imported cabbageworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 14 to 15 days	Spray thoroughly to wet upper and lower leaf surfaces, and stems. Do not repeat applications more than once a week.

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Vegetables, Berries, Citrus Fruit, Stone Fruits, Pome Fruits & Nuts	Insects	Maximum Application Rate, Tsp. of Product/ 1 Gal. of Water	Retreatment Interval, Days	Preharvest Interval, Days	Comments
Mustard Greens	flea beetle, harlequin bug, leafhoppers, lygus bug, spittlebug, armyworm, corn earworm, fall armyworm, imported cabbageworm, tarnished plant bug, and stink bug.	4 - 6 tsp./gallon	7 days	PHI = 13 to 14 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Grape	European fruit lecanium, grape leafroller, grape leafhopper, Western grapeleaf skeletonizer, Western yellow-striped armyworm, cutworm, grape berry moth, and redbanded leafroller.	4 - 8 tsp./gallon	7 days	PHI = 7 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Cherry; Peach; Plum; Apricot; Nectarine;	apple aphid, apple rust mite, apple mealybug, apple maggot, forbes scale, green fruitworm, black cherry aphid, brown soft scale, cherry fruitworm, European earwig, Japanese beetle, lecanium scales, pear psylla, pear leaf blister mite, pear rust mite, periodical cicada, plum curculio, redbanded leafroller, San Jose scale, tarnished plant bug, woolly apple aphid, codling moth, fruitree leafroller, lesser peachtree borer, peach twig borer, tussock moth, mealy plum aphid, prune leafhopper, and variegated leafroller.	4 tsp./gallon	7 days	PHI = 3 days	For trees taller than 10 feet, consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.

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Vegetables, Berries, Citrus Fruit, Stone Fruits, Pome Fruits & Nuts	Insects	Maximum Application Rate, Tsp. of Product/ 1 Gal. of Water	Retreatment Interval, Days	Preharvest Interval, Days	Comments
Apple; Pear;	apple aphid, apple rust mite, apple mealybug, apple maggot, forbes scale, green fruitworm, black cherry aphid, brown soft scale, cherry fruitworm, European earwig, Japanese beetle, lecanium scales, pear psylla, pear leaf blister mite, pear rust mite, periodical cicada, plum curculio, redbanded leafroller, San Jose scale, tarnished plant bug, woolly apple aphid, codling moth, fruitree leafroller, lesser peachtree borer, peach twig borer, tussock moth, mealy plum aphid, prune leafhopper, and variegated leafroller.	4 tsp./gallon	7 days	PHI = 7 days	For trees taller than 10 feet, consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week. To avoid undesired apple thinning, delay use until at least 30 days after full bloom.
Blueberry; Cranberry	cutworm, blueberry maggot, cherry fruitworm, cranberry fruitworm, cranberry fireworm, Japanese beetle, leafhoppers, European fruit lecanium, flea beetle, meadow spittlebug, strawberry leafroller, and strawberry weevil.	6 tsp./gallon	7 days	PHI = 7 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Strawberry	cutworm, blueberry maggot, cherry fruitworm, cranberry fruitworm, cranberry fireworm, Japanese beetle, leafhoppers, European fruit lecanium, flea beetle, meadow spittlebug, strawberry leafroller, and strawberry weevil.	6 tsp./gallon	7 days	PHI = 7 days	Spray thoroughly to wet upper and lower leaf surfaces, stems and and branches. Do not repeat applications more than once a week.

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Vegetables, Berries, Citrus Fruit, Stone Fruits, Pome Fruits & Nuts	Insects	Maximum Application Rate, Tsp. of Product/ 1 Gal. of Water	Retreatment Interval, Days	Preharvest Interval, Days	Comments
Citrus (grapefruit, lemon, lime, oranges, & tangerine)	avocado leafroller, California orangedog, citrus cutworm, citrus root weevil, fruitree leafroller, and orange tortrix.	4 tsp./gallon	7 days	PHI = 5 days	Do not apply less than 10 gallons dilute spray per mature tree. For trees taller than 10 feet, consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.
Filbert; Pecan; Walnut;	filbert aphid, filbert leafroller, filbertworm, pecan leaf phylloxera, pecan nut casebearer, pecan spittlebug, pecan weevil, walnut caterpillar, codling moth, calico scale, and European fruit lecanium.	4 tsp./gallon	7 days	PHI = 14 days	For trees taller than 10 feet, consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.

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ORNAMENTALS:

Roses, Flowers, Shrubs and Shade Trees - Do not use on Boston Ivy. Mix 4 teaspoons of product per gallon of water to control ants, armyworm, bagworm, boxelder bugs, Japanese beetle, blister beetle, Elm leaf beetle, flea beetle, willow leaf beetle, leafhoppers, tent caterpillar, June beetle, gypsy moth, leafrollers, birch leafminer, mealybugs, exposed thrips, stink bugs, oak leafminer, periodical cicada, and ticks. Apply dilute sprays to obtain thorough coverage of both upper and lower leaf surfaces. To control scale insects, treat trunks, stems and twigs in addition to plant foliage. The use of spreader-sticker may improve residual control. For trees taller than 10 feet, consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.

Lawns and Ornamental Turf - For best results, mow lawn and water before spraying. Mix 1 pint of product in 15 gallons of water and spray over 1,250 square feet to control ants, armyworm, bluegrass billbug, centipedes, chiggers, cutworm, earwigs, fall armyworm, fleas, grasshoppers, June beetle, leafhoppers, millipedes, mosquitoes, sod webworm (lawn moth), sowbug, springtails, ticks, chinch bugs.

LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

