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4-237

Page 195  
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Anne Montalone  
Bonide Products, Inc.  
2 Wurz Ave.  
Yorkville, NY 13495

FEB 10 1997

Subject: Sevin Insect Control  
EPA Registration No. 4-237  
Amendment dated October 9, 1996  
Response to Agency letter dated 10/1/96

Dear Ms. Montalone:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the following changes to your label:

a) The User Safety Requirements ("Wear long-sleeved shirt", etc...) must appear on your label outlined by a separate box with the heading USER SAFETY REQUIREMENTS. Please refer to the October 1, 1996 letter.

2. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

Edwards A:11/1737 2/19/97

'96 NOV -5 A10 :20

# Liquid SEVIN

Brand Carbaryl Insecticide

FOR USE ON ORNAMENTAL PLANTS,  
FLOWERS, SHRUBS, SHADE TREES,  
VEGETABLES

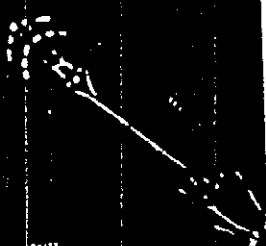
EPA Est. No. 4-NY-1      EPA Reg. No. 4-237

ACTIVE INGREDIENT:  
Carbaryl: (1-naphthyl N-methylcarbamate) . . . . . 22.5%  
INERT INGREDIENTS . . . . . 77.5%  
Sevin is a registered trademark of Rhone-Poulenc for  
Carbaryl insecticide.  
Contains 2 pounds Carbaryl per gallon.

**CAUTION — KEEP OUT OF REACH OF CHILDREN**  
See back panel for additional precautionary statements.

NET CONTENTS

TRUSTED SINCE 1926  
**BONIDE**



- Kills:
- Leafhoppers
  - Aphids
  - Millipedes
  - Moths
  - & other listed insects

For Use On  
Lawns, Trees  
& Gardens

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

FEB 10 1997

4-237

ACCEPTED  
with COMMENTS  
by EPA Letter Dated

8  
9  
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# Sevin Liquid

Insect control for listed Fruits, Vegetables,  
Flowers, Trees, Shrubs and lawns.



EPA Est. No. 4-NY-1 (1), 769-GA-1 (2), 55179-IN-1 (3), 44616-MO-1 (4),  
Reg. No. 4-237

The last digit in the lot number indicates EPA Establishment location.

KEEP OUT OF REACH OF CHILDREN  
CAUTION

See inside panel for additional Precautionary Statements

Buyers Guarantee limited  
to label claims

Manufactured by  
BONIDE PRODUCTS, INC.  
Yorkville, NY 13495



Product Form 107, 10/19/66  
© 1966 Bonide Products, Inc., Yorkville, N. Y.

BONIDE SEVIN LIQUID is an extremely fine dispersion of Sevin in water. A dilute spray of SEVIN LIQUID is tenacious and quick-setting, giving an adhesive residue to plants on partial drying. It is compatible with commonly used insecticides, such as malathion, other organic phosphates and botanicals; also such fungicides as fixed copper, dichlorocarbamate, sulphur, Captan, Cyprox, Glyodin, and Phalton. Sevin does not control spider mites, but is compatible with all common miticides. Sevin is unstable under highly alkaline conditions. Do not use with lime, Bordeaux, lime-sulphur, casein-lime spreaders or other alkaline materials.

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

**BEFORE USING SHAKE OR STIR WELL.** Pour recommended amount of this material into nearly filled sprayer. Add balance of water. Maintain agitation during spraying and filling operations. Do not allow mixture to stand.

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

Start spraying 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.

Do not repeat applications more than once a week.

**ADULT MOSQUITO CONTROL**—For optimum control apply in early morning or evening when air is calm and adult mosquitoes are active.

Use 4 teaspoons per gallon water in hand sprayers for treating backyards or other limited areas. Thoroughly cover lower shade tree foliage, shrubbery, flower beds, grass and shaded areas around buildings where adult mosquitoes congregate. Do not apply to water. Repeat at 7 to 10 day intervals or as necessary. Sevin injures Boston ivy. Do not use on this ornamental.

**LAWN**—Ants, chinch bugs, earwigs, fall armyworms, fleas, leafhoppers, mosquitoes, sod webworms (lawn moths), millipedes—Apply 1/4 qt. in 15 to 20 gal. water for each 500 sq. ft. of established lawn area. Use garden hose sprayers or pressure type equipment and apply full water volume to insure good penetration of turf. For best results, mow lawn and apply immediately after rain or watering. Repeat in 2 to 3 weeks if necessary.

**NOTE:** Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

**FLOWERS, SHRUBS, AND SHADE TREES**—Rose, Carnation, Gladiolus, Zinnia, Chrysanthemum, Lilac, Arbor Vitae, Juniper, Hydrangea, Azalea, Elm, Maple, Oak, Dogwood, Birch and Pine. (Do not use on Boston ivy) Apply (4 level teaspoonfuls per gal water) when insects or their damage appear. Repeat weekly or as needed to control: Apple aphid, bagworm, birch leaf miner, blister beetles, boxelder leaf

miner, elm leaf aphid, elm leaf beetle, flea beetle, gypsy moth, Japanese beetle, June beetle, lace bugs, leafhopper, leaf roller, mealybugs, mimosa webworm, oak leaf miner, orange tortrix, periodical cicada, plant bugs, puss caterpillars, psyllids, rose aphid, rosehug, scale insects, tent caterpillars, thorn bugs, thrips (exposed), willow leaf beetles.

3  
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FRUIT	INSECTS	WHEN TO APPLY	AMOUNT
APPLES, PEARS	apple moth, codling moth, green apple aphid, white apple leafhopper	Make first application when green tips of leaves appear. Repeat at 7 day intervals up to bloom. Do not spray during rainy days from start of bloom or thinning may occur. Resume spraying at 14 day intervals.	1 tsp./1 qt. water
	aphids (rosy, apple, wooly apple), apple maggot, bagworm, eastern tent caterpillar, European apple sawfly, eye-spotted bud moth, fruit tree leaf roller, green fruitworm, Japanese beetle, mites (apple, rust, pear leaf blister, pear rust), pear psylla, periodical cicada, plum curculio, red-banded leaf roller, scales (Forbes, Lecanium, Oyster-shell, San Jose), tarnished plant bug, tentiform leaf miners	May cause foliar injury if used before second cover on York and McIntosh apples. Do not apply within 1 day of harvest.	2 tsp./1 qt. water
	APPLE THINNING	Easily thinned varieties- Apply in one spray timed between 10 and 25 days after full bloom, to fully cover tree. Hard to thin varieties- apply as above.	1/2 to 1 tsp./1 gal. water 1 to 2 tsp./1 gal. water
APRICOTS, NECTARINES	codling moth, cucumber beetle, European earwig, fruit tree leaf roller, Japanese beetle, June beetle, lesser peach tree borer, periodical cicada, platanus flavenda, plum curculio, red-banded leaf roller, scales (Lecanium, Olive, San Jose), tarnished plant bug, tussock moth	Make first application when insects appear or damage is observed. Repeat as necessary. For optimum scale control apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly weekly during moth flight. Do not apply within 1 day of harvest of peaches, 3 days of apricots and nectarines.	2 tsp./1 qt. water
BLACKBERRIES, BOYSENBERRIES, DEWBERRIES	Japanese beetle, raspberry aphid	Apply as to thoroughly cover both upper and lower leaves of plants. Do not apply within 7 days of harvest.	4 tsp./qt. water

4

FRUIT	INSECTS	WHEN TO APPLY	AMOUNT
BLUEBERRIES	blueberry maggot, European fruit lecanium, fruitworms (cherry, cranberry), Japanese beetle	Apply 3 weeks before harvest, and repeat 10 days later or as necessary.	3 to 4 tsp. water
CHERRIES, PLUMS, PRUNES	aphids (black cherry, mealy plum), cherry fruit fly, cherry fruitworm, eye-spotted bud moth, fruit tree leaf roller, Japanese beetle, lesser peach tree borer, peach twig borer, plum curculio, prune leafhopper, red-banded leaf roller, scales (Owron, soft, Forbes, Lecanium, Oyster-shell, San Jose)	Start and repeat at 7 day intervals until bloom. Repeat at 14 day intervals up to 1 day of harvest. For optimum scale control, apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly, weekly during moth flight.	2 tsp./1 qt. water
	codling moth, eastern tent caterpillar, orange tortrix, tussock moth		1 1/2 tsp./1 qt. water
CRANBERRIES	cutworms, fireworms, fruitworms, Japanese beetle, leafhopper	Apply in late bloom and as needed at 7 to 10 day intervals. Do not apply within 1 day of harvest.	Use 1 to 2 tsp./1 qt water
GRAPES	European fruit lecanium, grape leaf skeletonizer	Apply just before first broad leaf folder larvae emerge from rolls, and as needed for leafhoppers.	Use 1 to 2 tsp./qt. water
	grape berry moth, Japanese beetle, June beetle, red-banded leaf roller		Use 2 tsp./qt. water
STRAWBERRIES	meadow spittlebug, strawberry leaf roller, strawberry weevil	Use as above, up to 1 day of harvest.	Use 1 to 2 tsp./1 qt. water

5

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**PRECAUTIONARY STATEMENTS-HAZARDS TO HUMANS AND DOMESTIC ANIMALS-CAUTION-Harmful if swallowed. Avoid breathing spray or mist. Do not take internally. Avoid contact with skin, eyes or clothing. In case of contact and before eating and smoking, wash thoroughly with warm water and soap.**

- Wear long-sleeved shirt, 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.
- Remove 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.
- Avoid contamination of food and feed.

Note to physician: Carbaryl is a moderate, reversible cholinesterase inhibitor. Atropine is antidotal.

**STATEMENT OF PRACTICAL TREATMENT IF SWALLOWED:** Induce vomiting and seek medical attention immediately.

**IF IN EYES OR ON SKIN:** Flush eyes with plenty of water. Wash skin thoroughly with soap and water.

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

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish, shrimp and crabs. Do not apply directly to water. Do not apply where run off is likely to occur. Do not apply when weather conditions favor drift from area treated. Do not contaminate water by cleaning of equipment, or disposal of water. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Extension Service.

**Storage:** Do not store near, or contaminate feed or foodstuffs. Do not use, pour, spill, or store near heat or open flame. Store in a cool, dry area inaccessible to children and pets. Disposal: Do not reuse empty container. Wrap container and put in trash collection.

Do not allow children or pets to contact treated area until sprays have dried

FIELD AND VEGETABLE CROPS	INSECTS	WHEN TO APPLY	AMOUNT
ASPARAGUS	Asparagus beetle	On seedlings vs. start to apply when insects or eggs appear. Do not apply until 1 day after harvest.	2 to 4 tsp./qt. water
	Asparagus, speckle cicada beetle	On ferns and brush growth, use as post harvest spray.	4 to 8 tsp./qt. water
BEANS (Green, Lima, Snap, Compress, Black-eyed pea)	Mexican bean beetle, flea beetle, leafhopper	Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary, unless shorter interval is specified.	1 to 2 tsp./qt. water
	Bean leaf beetle, cucumber beetle, Japanese beetle, velvet bean caterpillar, western bean cutworm		2 tsp./qt. water
	Armyworm, cutworm, corn earworm, stink bug, tarnished plant bug		2 to 3 tsp./qt. water
	corn earworm (on compress only)	Apply 3 applications beginning at first bloom and at 5 day intervals thereafter.	4 tsp./qt. water
CABBAGE, CHINESE CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CAULIFLOWER, KOHLRABI, FLORETTA, GARDEN BEETS, SPINACH, LETTUCE, Romaine, KALE, BROCCOLI, RABBIT EAR, LETTUCE, AUSTRALIAN, GREENS, PARSLEY, PARSNIPS, RADISHES, RUTABAGA, SALSIFY, SWISS CHARD, TURNIPS	flea beetle, harlequin bug, leafhopper	Apply on a 7 day schedule, up to 14 days of infestation on leafy vegetables. (Choose cabbage, collard, garden leaf, kale, leaf lettuce, mustard greens, parsley, watercress, water chard and turnip tops) 3 days for root vegetables, (beet, horseradish, turnip, radish, rutabaga, salsify, turnip and head lettuce). Do not apply to lettuce when wet.	1 to 2 tsp./qt. water
	two-spotted leafhopper (After yellow)		2 to 3 tsp./qt. water
	armyworms, imported cabbage worm, cabbage looper, corn earworm, tarnished plant bug, stink bug		2 to 4 tsp./qt. water

10

FIELD AND VEGETABLE CROPS	INSECTS	WHEN TO APPLY	AMOUNT
BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CAULIFLOWER, KOHLRABI	flea beetles, harlequin bug	Apply on a 7 day schedule. Do not apply within 3 days of harvest.	1 to 2 tsp./qt. water
	armyworms, imported cabbage worm, cabbage looper, corn earworm		2 to 4 tsp./qt. water
CORN	corn earworm, corn rootworm adults, European corn borer, fall armyworm, Japanese beetle, sp. beetle	For larvae in which (budworm damage) and foliage feeders, apply to entire plant. Repeat as necessary. For insects attacking silks and ears, apply at 2 to 3 day intervals starting when first silks appear and continuing until silks begin to dry.	2 to 4 tsp./qt. water
	corn earworm	Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary. Do not apply when foliage is wet or cucumbers, melons, pumpkins, squash.	4 tsp./qt. water
CUCUMBERS, MELONS, PUMPKINS, SQUASH	melonworm, cucumber beetle, squash bug, flea beetle, leafhopper		1 to 2 tsp./qt. water
POTATOES, TOMATOES, EGGPLANTS, PEPPERS	Colorado potato beetle, flea beetle, leafhopper		1 to 2 tsp./qt. water
	fall armyworms, lace bugs, stink bug, tarnished plant bug, tomato fruitworm, tobacco hornworm		2 to 4 tsp./qt. water
	cutworms (on potato, tomato, eggplant)		4 tsp./qt. water

17