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769-883

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 14 1997

H.R. McLane  
7210 Red Road  
Suite 206  
Miami, FL 33143-5321

Subject: L2 Sevin® Home and Garden Insect Spray  
EPA Registration No. 769-883  
Amendment dated January 21, 1997  
Response to Agency letter dated 10/1/96

Dear Mr. McLane:

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) In the DIRECTIONS FOR USE, delete the sentence "Repeat as necessary to maintain control, unless spray interval is specified."
- b) In the Directions for Use on ASPARAGUS, delete the sentence "Do not treat more than once every 3 days."
- c) In the Directions for Use on LETTUCE, change "...treat on a 5 to 7 day schedule..." to "...treat on a 7 day schedule..."
- d) In the Directions for Use on CORN, change "...apply at 1 to 6 day intervals..." to "...apply at 7 day intervals..."

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

SYMBOL	cancellation in accordance with FIFRA section 6(e). Your release for shipment of				
SURNAME					
DATE					

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the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



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

Enclosure

# L2 SEVIN

brand carbaryl insecticide

## HOME and GARDEN INSECT SPRAY

**CONTROLS INSECTS ON VEGETABLES, FRUITS & NUTS, LAWN & ORNAMENTAL INSECTS; IMPORTED FIRE ANTS, LYME DISEASE VECTOR TICKS, MOSQUITOES, PEST CONTROL AROUND BUILDINGS; POULTRY INSECTS, HOSE-END-SPRAYER APPLICATION**

Also See Supplemental Labeling For Additional Product Uses

ACTIVE INGREDIENT:

Carbaryl: 1-Naphthyl N-methylcarbamate - - - - 21.3 %

INERT INGREDIENTS: - - - - - 78.7 %

Contains 2 lbs. Carbaryl per gallon Total 100.0 %

SEVIN is a registered trademark of Rhone-Poulenc for Carbaryl insecticides.

## KEEP OUT OF REACH OF CHILDREN CAUTION

"PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente" STATEMENTS OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention immediately. **IF ON SKIN:** Wash thoroughly with soap and water. **IF INHALED:** Remove victim to fresh air. Apply Artificial Respiration if indicated. **NOTE TO PHYSICIAN:** Carbaryl is a carbamate insecticide, which is a cholinesterase inhibition. Over exposure to this substance may cause toxic signs and symptoms due to the stimulation of the cholinergic nervous system. These effects of over exposure are spontaneously and rapidly reversible. See; **NOTE TO PHYSICIAN** below.

SEE SIDEBACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** May be harmful if swallowed. Avoid breathing spray mist or vapors. Do not take internally. Avoid contact with skin, eyes or clothing. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling. **NOTE TO PHYSICIAN:** Also observe **NOTE** in Statements of Practical Treatment. Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent over atropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes to maintain the effect for at least 12 hours. Dosage for children should be appropriately reduced. Complete recovery from over exposure is to be expected within 24 hr. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM are not recommended unless organophosphate intoxication is also suggested.

#### USER SAFETY REQUIREMENTS

Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when mixing and applying 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 toilet. Do not allow children or pets to contact treated area until sprays have dried.

EPA Reg. No. 769-883 EPA Est. No. 769-GA-1

Net Contents 1 Pint SURECO, INC.

P.O. Box 938 - Fort Valley, GA 31030

#### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark, except under forest canopy. Do not apply when weather conditions favor drift from area treated. Do not contaminate water when disposing of equipment washwaters. 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. 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 equally effective precautions.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. Do not store in areas where temperatures frequently exceed 100° F. The product may be used following exposure to several freeze/thaw cycles. **DISPOSAL:** Do not reuse empty container. Wrap empty container in several layers of newspaper and discard in trash.

#### FOR FRUITS AND VEGETABLES

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 surfaces, stem and branches. Do not repeat applications more than once a week.

#### 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 through any type of irrigation system. Shake containers prior to use. Do not reuse empty containers or measuring devices for other purposes. Apply with a pressure, power, pump or hose-end sprayer to give thorough coverage when insects or damage appear. Repeat as necessary to maintain control, unless spray interval is specified. **Plant Response Precautions:** Carbaryl will injure Boston Ivy, Virginia Creeper and Maidenhair fern. During early season it may injure Virginia and Sand Pine species.

### VEGETABLE CROPS

All spray rates are underlined as: - (x) tps/gal. Each rate follows the specific insect names as listed. Do not over dose.

**ASPARAGUS:** Asparagus Beetle, Grasshoppers - 4 to 8 tps/gal. Pre-harvest interval - 1 day. Apache Cicada, Asparagus Beetle - 8 to 16 tps/gal. Post harvest application only. Treat ferns or brush growth. Do not treat more than once every 3 days.

**BEANS: BLACK EYED PEAS, COWPEAS, CROWDER OR SOUTHERN PEAS, DRY BEANS, GREEN BEANS, LIMÉ BEANS, NAVY BEANS, AND SNAP BEANS:** Blister Beetle, Mexican Bean Beetles - 2 to 4 tps/gal.; Alfalfa Caterpillar, Bean Leaf Beetle, Cucumber Beetle, Flea Beetles, Green Cloverworm, Japanese Beetle, Leafhoppers, Three Corned Alfalfa Hopper, Thrips, Velvetbean Caterpillar, Western Bean Cutworm - 4 tps/gal. Armyworms, Cutworms, European Corn Borer, Fall Armyworms, Grasshoppers, Tarnished Plant Bug, Webworms - 4 to 6 tps/gal. Corn Earworm, Cowpea Curculio, Lima Bean Pod Borer, Lygus Bugs, Stink Bugs - 8 tps/gal. Pre-harvest intervals - 0 days (all except cowpeas), 3 days for cowpeas and peas.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CARROTS, CAULIFLOWER, CELERY, CHINESE CABBAGE, COLLARDS, DANDELION, ENDIVE (ESCAROLE), GARDEN BEET, HANOVER SALAD, HORSE-RADISH, KALE, KOHLRABI, LETTUCE, MUSTARD GREENS, OKRA, PARSNIPS, PARSLEY, RADISHES, RUTABAGAS, SALSIFY, SPINACH, SWISS CHARD, TURNIPS:** Flea Beetles, Harlequin Bugs, Leafhoppers - 2 to 4 tps/gal.; Aster Leafhopper, Grasshoppers, Lygus Bugs, Spittlebugs - 4 to 6 tps/gal.; Armyworm, Corn Earworm, Fall Armyworm, Imported Cabbage worm, Stink Bug, Tarnished Plant Bug - 4 to 8 tps/gal.; Pre-harvest interval days: 0 - Carrots; 3 days - Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Garden Beet Roots, Head Lettuce, Horseradish, Kohlrabi, Parsnips, Radishes, Rutabagas, Salsify Roots, and Turnip Roots; 14 days - Chinese Cabbage, Celery, Collards, Dandelion, Endive (Escarole), Garden Beet tops, Hanover Salad, Kale, Mustard Greens, Leaf Lettuce, Parsley, Salsify tops, Spinach, Swiss Chard, and Turnip tops.

**NOT FOR USE ON CELERY IN CALIFORNIA.** Observe plant response precautions. Lettuce: treat on a 5 to 7 days schedule after heads begin to form.

**CORN:** Armyworm, Chinch Bug, Corn Earworm, Corn Rootworm Adults, European Corn Borer, Fall Armyworm, Flea Beetles, Grasshoppers, Japanese Beetle, Leafhoppers, Sap Beetle, Southern Corn Borer - 4 to 8 tps/gal. **OBSERVE BEE CAUTION.** For insects attacking silks and ears, apply at 1 to 6 days intervals starting when first silks appear and continuing until silks begin to dry. For larvae in whorl and foliage feeders, apply as necessary. Optimum timing and good coverage are essential for effective control. **Western Bean Cutworms - 8 tps/gal.** Treat when infestation averages 15% and at 90 to 100 % tassel emergence. Treatment after 100% silk emergence will reduce effectiveness. Pre-harvest interval - 0 days.

**CUCUMBER, MELONS, PUMPKINS, SQUASH:** Pickleworm, Melonworms - 2 to 4 tps/gal.; Cucumber Beetles, Flea Beetles, Leafhoppers, Squash Bugs - 4 tps/gal. Pre-harvest intervals - 0 days.

**POTATO, TOMATO, EGGPLANT, PEPPER, PEANUTS, PEAS:** Bean Leaf Beetle, Blister Beetle, Colorado Potato Beetle, Cucumber Beetles, Flea Beetles, Green Cloverworm, Japanese Beetles, Leafhoppers, Mexican Bean Beetles, Red-necked Peanutworm, Three Corned Alfalfa Hopper, Thrips, Velvetbean Caterpillar - 4 tps/gal.; Alfalfa Caterpillar, Armyworm, Corn Earworms, Grasshoppers, Pea Leaf Weevil, Pea Weevil, Webworms, Yellowstriped Armyworm - 6 tps/gal.; European Corn Borer, Fall Armyworm, Lace Bugs, Slink Bugs, Tarnished Plant Bug, Tomato Hornworm, Tomato Pinworm - 4 to 8 tps/gal.; Cutworms, White fringed Beetle adults - 6 to 8 tps/gal. Pre-harvest intervals - Peas; 3 days all others 0 days.

**SWEET POTATO:** Corn Earworm, Cucumber Beetles, Flea Beetles, Grasshoppers, Sweet Potato Hornworm, Tortoise Beetles - 4 to 8 tps/gal. **NOT FOR USE IN CALIFORNIA.** Apply as a foliar spray as needed. **Yellowstriped Armyworm - 8 tps/gal.** Sweet Potato Weevil - 4 to 8 tps/gal. Full coverage is essential. Use lower rate on young plants and higher rate on mature plants. Pre-harvest interval - 0 days.

### FRUIT AND NUT CROPS

**APPLE THINNING:** Apply 1 full coverage dilute spray between 10 and 25 days after full bloom. If factors such as tree age, variety, nutrition, previous crop, pruning, bloom and degree of set, favor excessive fruit thinning with carbaryl, exercise caution to avoid possible yield reduction. Pre-harvest interval - 1 day.

**APPLES ONLY** Apply 1 to 2 tps/gal. for easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton. Apply 2 to 4 tps/gal. for difficult to thin varieties including Baldwin, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent and York Imperial.

**ALMOND:** Peach Twig Borer, San Jose Scale, Fruitree Leafroller - 4 tps/gal. Apply in popcorn or petal fall stages and again when the May brood of the peach Twig Borer begins to hatch or thereafter as needed. **Navel Orangeworm - 4 tps/gal.** Time early and mid season applications to correspond to moth flight peaks. Make a late season application at initiation of hull split or up to 10% hull split. Pre-harvest interval - 28 days.

**APPLE, PEARS:** Apple Aphid, Apple Maggot, Apple Mealybug, Apple Rust Mite, Apple Sucker, Bagworms, California Pear Slug, (Pear Sawfly), Codling Moth, Eastern tent Caterpillar, European Apple Sawfly, Eyespotted Bud Moth, Forbes Scale, Fruitree Leafroller, Green Fruitworm, Japanese Beetles, Lecanium Scale, Lesser Appleworm, Orange Tortrix, Oystershell Scale, Pear Leaf Blister Mite, Pear Psylla, Pear Rust Mite, Periodical Cicada, Red Banded Leafroller, Rosy Apple Aphid, San Jose Scale, Tarnished Plant Bug, Tentiform Leafminer, White Apple Leafhoppers, Woolly Apple Aphid, Yellowheaded Fireworm - 4 tps/gal. Pre-harvest intervals - 1 day. To avoid undesired apple thinning, delay use until at least 30 days after full bloom. For psylla control, apply when eggs hatch or young nymphs are present. For optimum scale control, apply when crawlers are present.

**BLACKBERRIES, RASPBERRIES, DEWBERRIES (Boysenberries, Loganberries), GRAPES, STRAWBERRIES:** European Fruit Lecanium, European Raspberry Aphid, Grape Leafroller, Grape Leafhopper, Japanese Beetle, Leafhoppers, Leafrollers, Meadow Spittlebug, Omnivorous Leafhopper, (Strawberry fruitworm), Rose Chaffer, Snowy Tree Cricket, Strawberry Weevil, Western Grapeleaf Skeletonizer, Western Yellowstriped Armyworm - 4 to 8 tps/gal.; Cutworms, Eight Spotted Forester,

Grape Berry Moth, J. leifer, Orange Tortrix, Caterpillar - 8 tps/gal. from rolls.

**STRAWBERRIES:** Control on the Deimava Per on Strawberries; 7 days on strawberries and Loganberries.

**BLUEBERRIES:** European Fruitworm, European Fruitworm 3 weeks before harvest days.

**CITRUS FRUITS:** Citrus Parishes, Citrus Citronella, Citrus Orange Dog, Citrus Borer (Adults) - 4 tps/gal. Scale, Citricola Scale. Pre-harvest interval spray mixture per month used on citrus.

**CRANBERRIES:** Cur Japanese Beetles. Pre-harvest interval - 1 day in areas where these needed at 7 to 10 days.

**FILBERTS:** Filbert A. Pre-harvest interval Repeat on first appearance later.

**APRICOTS, CHERRY:** Apple Pannormis, Blister worm, Cherry Maggot, Bud Moth, Forbes Scale, June Beetle, Plum Aphids, Olive Twig Borer, Periodical Banded Leafroller, Variegated Leafroller, Orange Tortrix, Tussock control, apply when control spray limbs are Pre-harvest interval - apricots and nectarines.

**PECANS:** Black Mealybug, Lesser Webworm, P. Spittlebugs, Pecan W. gal. Pre-harvest interval

**WALNUT:** Calico S. Filbertworm, Fruitree Moth apply when over 4 inch. Repeat during - 8 tps/gal. Spray 7 days. (883-amdA.PW)

