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AUG 1 1986

Ms. L.R. Buchaba  
Union Carbide Agricultural Products Company, Inc.  
T.W. Alexander Drive  
P.O. Box 12014  
Research Triangle Park, NC 27709

Dear Ms. Buchaba:

Subject: General Revision of Label  
Sevin Brand SL Carbaryl Insecticide  
EPA Registration No. 264-335  
Your Application Dated April 10, 1986

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies 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 constitutes acceptance of these conditions.

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

Sincerely yours,

*LJS*  
Lawrence J. Schnaubelt  
Acting Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosure  
85285;Schnaubelt:E-10;XENCO:7/14/86;7/24/86;dej:VO

CONCURRENCES

| SYMBOL | SURNAME | DATE |  |  |  |  |  |  |
|--------|---------|------|--|--|--|--|--|--|
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SEVIN® brand SL Carbaryl Insecticide

For Commercial Use Only  
For Professional Pest Control

ACTIVE INGREDIENT:

Carbaryl (1-naphthyl N-methylcarbamate) . . . . . 43% by wt.

INERT INGREDIENTS . . . . . 57% by wt.

(Contains 4 Pounds Carbaryl Per Gallon)

E.P.A. Reg. No. 264-335

E.P.A. Est. No. 264-MO-02

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside booklet for additional PRECAUTIONARY STATEMENTS.

IN CASE OF EMERGENCY TELEPHONE (24 HOURS A DAY) IN U.S.A.

**1-800-UCC-HELP**

FOR GENERAL PRODUCT INFORMATION CALL 1-800-334-9745.

NET CONTENTS: \_\_\_\_\_

Made in U.S.A.

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.  
P. O. Box 12014, T. W. Alexander Drive  
Research Triangle Park, NC 27709

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SEVIN is a registered trademark of Union Carbide Corporation for carbaryl insecticides.

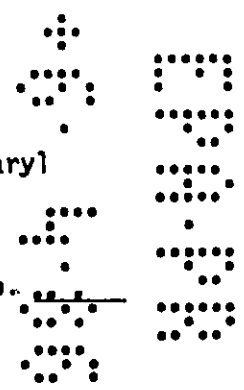
APC Form No. \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 01 1986

0406G/Pending/05-14-86

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
264-335



PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

MAY BE HARMFUL IF SWALLOWED. OVEREXPOSURE MAY CAUSE: Salivation, watery eyes, pinpoint eye pupils, blurred vision, muscle tremors, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea, weakness, headache. IN SEVERE CASES CONVULSION, UNCONSCIOUSNESS AND RESPIRATORY FAILURE MAY OCCUR. SIGNS AND SYMPTOMS OCCUR RAPIDLY FOLLOWING OVEREXPOSURE TO THIS PRODUCT.

Avoid breathing spray mist. Do not take internally. Avoid contact with eyes, skin or clothing. Wear regular long-sleeved work clothing and head covering when making overhead applications. Change to clean clothing daily. Bathe and wash hair after each work day. Do not eat, drink or use tobacco while working with this product or spray solutions. Wash hands and face before eating, drinking or using tobacco. Keep out of reach of children and domestic animals.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. See NOTE TO PHYSICIAN below.

STATEMENT OF PRACTICAL TREATMENT

GENERAL

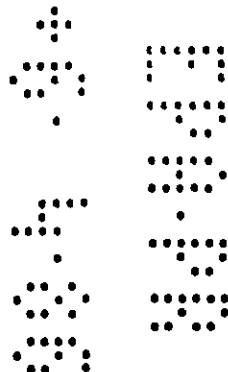
Contact a physician immediately in all cases of suspected poisoning. Transport to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

IF SWALLOWED: Never give anything by mouth to an unconscious or convulsing person. If conscious and not convulsing, drink 1 to 2 glasses of water and induce vomiting by touching the back of the throat with finger.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN, Wash thoroughly with soap and water.

IF INHALED: Move from contaminated atmosphere and call a physician.



**NOTE TO PHYSICIAN**

Carbaryl is a carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Gastric lavage may be used if this product has been swallowed. Carbaryl poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent overatropinization. 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 as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended.

To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen.

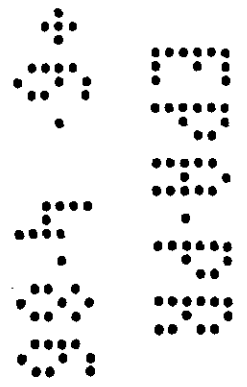
Consultation on diagnosis, therapy and analysis can be obtained at all hours by calling the Union Carbide emergency number 1-800-UCC-HELP.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water and wetlands. Do not apply when weather conditions favor drift from area treated. Do not contaminate water by cleaning equipment or disposal of wastes.

**BEE CAUTION**

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



### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

READ THIS LABEL BEFORE USE. STRICTLY OBSERVE LABEL DIRECTIONS AND CAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS. DO NOT USE ON ANY CROP NOT LISTED ON THIS LABEL OR SUPPLEMENTAL LABELING AS ANY RESIDUES REMAINING MAY BE ILLEGAL OR HARMFUL.

#### GENERAL INFORMATION

SEVIN® brand SL Carbaryl Insecticide is a suspension of microfine SEVIN® brand Carbaryl Insecticide in an aqueous medium. It readily disperses in water to form a spray which may be applied with hand or power-operated sprayers.

#### GENERAL WORKER PROTECTION STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

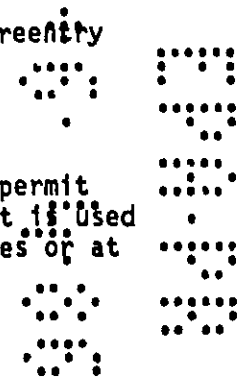
Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Advise workers to stay out of treated areas until spray deposits have dried unless suitable clothing is worn. This includes regular long-sleeved (overhead applications) and long-legged work clothing. See PRECAUTIONARY STATEMENTS, STATEMENT OF PRACTICAL TREATMENT and NOTE TO PHYSICIAN for additional information. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: appropriate signal word (CAUTION), area treated with SEVIN® brand SL Carbaryl Insecticide, date of application, appropriate clothing, and reentry interval (i.e., until sprays have dried).

#### PREHARVEST INFORMATION AND LIMITATIONS

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when this product is used in accordance with the label directions. Do not apply at greater rates or at more frequent intervals than are stated on the label.



**PLANT RESPONSE PRECAUTIONS**

To avoid possible injury to tender foliage, do not apply to wet foliage or during periods of high humidity.

Do not use on Boston ivy, Virginia creeper and maidenhair fern as injury may result. Carbaryl may also injure Virginia and sand pines.

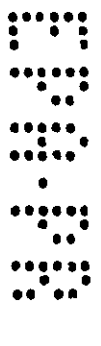
**SPRAY PREPARATION**

TO ASSURE A UNIFORM SUSPENSION, AGITATE, STIR OR RECIRCULATE ALL CONTAINERS OF THIS PRODUCT PRIOR TO USE. Remove oil, rust, scale, pesticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water. Fill spray or mix tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of SEVIN® brand SL Carbaryl Insecticide, and then add the remaining volume of water. Include rinse water from container. Prepare only as much spray mixture as can be applied on the day of mixing. MAINTAIN CONTINUOUS AGITATION DURING MIXING AND APPLICATION TO ASSURE A UNIFORM SUSPENSION. DO NOT STORE SPRAY MIXTURE FOR PROLONGED PERIODS OR DEGRADATION OF CARBARYL MAY OCCUR. Local water conditions may also accelerate the degradation of spray mixtures containing carbaryl. See COMPATIBILITY STATEMENT below.

**COMPATIBILITY**

SEVIN® brand SL Carbaryl Insecticide, when diluted with at least an equal volume of water, is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil or aromatic solvents. If compatibility with another product and the resulting crop response is unknown, the mixture should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. Incompatibility will reduce insect control and may cause application and handling difficulties or plant injury. Observe all cautions and limitations on labeling of all products used in mixtures. WHEN PREPARING COMBINATION SPRAYS, FIRST ADD SEVIN® BRAND SL CARBARYL INSECTICIDE TO AT LEAST AN EQUAL VOLUME OF WATER, MIX THOROUGHLY, AND THEN ADD COMBINATION PRODUCTS TO THE MIXTURE. DO NOT APPLY TANK MIX COMBINATIONS UNLESS YOUR PREVIOUS EXPERIENCE INDICATES THE MIXTURE IS EFFECTIVE AND WILL NOT RESULT IN APPLICATION PROBLEMS OR PLANT INJURY.

Carbaryl is unstable under highly alkaline conditions and mixtures with strong bases, such as Bordeaux, lime-sulfur and casein-lime spreaders, will result in chemical degradation of the insecticide. Do not use this product in water with pH values above 8.0 unless a buffer is added. If necessary, water should be buffered to neutral (pH = 7.0) before adding this product to the spray tank. Overhead irrigation with alkaline or muddy water after application will also accelerate chemical degradation and may result in reduced insect control.



**APPLICATION**

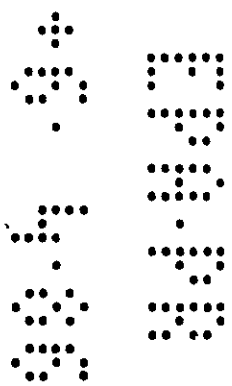
For all applications use sufficient gallonage to obtain thorough and uniform coverage. ~~Observe label instructions regarding spray volume where they occur.~~ Calibrate spray equipment to deliver the required volume. Use 50 mesh slotted strainers in spray system and 25 mesh slotted strainers behind nozzles.

To clean spray system after use, drain and flush with a ~~water and detergent~~ mixture. Rinse thoroughly with clean water. Refer to the Storage and Disposal directions for disposal instructions.

**INSECT CONTROL**

Apply when insects or their damage appears. To maintain control repeat at 7 to 14 day intervals or as necessary unless a shorter interval is specified below. ~~Where a dosage range is indicated, use the lower rate on light to moderate infestations, young plants and early instars and the higher rate on heavy infestations, mature plants, advanced instars, and adults.~~ Thorough and uniform spray coverage is essential for effective control.

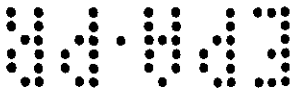
NOTE: All references to armyworm on the crops listed below refer to the species, Pseudaletia unipuncta, often called the "true armyworm". Except where indicated otherwise, this product is not registered for the control of other armyworm species. Regional differences have been noted in the susceptibility of certain strains of fall armyworm to carbaryl. If local experience indicates inadequate control, use an alternative pesticide.



TREE FRUIT AND NUT CROPS

Apply the recommended amount of SEVIN brand SL Carbaryl insecticide in 100 gallons of water. Use hand sprayer to wet leaves and branches to the dripping point.

| CROP            | INSECT   | QUARTS OF SEVIN BRAND SL/ 100 GALS.   | PREHARVEST INTERVAL (DAYS) | SPECIFIC DIRECTIONS  |   |
|-----------------|--|---|----------------------------|--|---|
| Almond          | Fruittree leafroller<br>Peach twig borer<br>San Jose scale   | 1   | 28                         | OBSERVE BEE. C<br>Apply in "pop stages and age of the peach hatch or there |   |
|                 | Navel orangeworm   |   |                            |  | Time early an applications flight peaks. application a split or up t  |
| Apples<br>Pears | Apple aphid<br>Apple maggot<br>Apple rust mite<br>Apple sucker<br>Bagworms<br>California pearslug (pear sawfly)<br>Eastern tent caterpillar<br>European apple sawfly<br>Eyespotted bud moth<br>Forbes scale<br>Fruittree leafroller<br>Green fruitworm<br>Japanese beetle<br>Lecanium scales<br>Lesser appleworm | Lygus bugs<br>Orange tortrix<br>Oystershell scale<br>Pearleaf blister mite<br>Pear psylla<br>Pear rust mite<br>Periodical cicada<br>Plum curculio<br>Redbanded leaf-roller<br>Rosy apple aphid<br>San Jose scale<br>Tarnished plant bug<br>Tentiform leaf-miners<br>Woolly apple aphid<br>Yellowheaded fireworm | 3/4 to 1                   | 1  | OBSERVE BEE. C<br>To avoid under delay use until after full bl<br>For psylla co hatch or youn<br>To control so crawlers are |
|                 | Apple mealybug<br>Apple aphid<br>Codling moth  | White apple leafhopper  | 1/2                        |  |   |

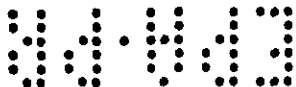




| CROP  | INSECT   | QUARTS OF SEVIN BRAND SL/ 100 GALS.   | PREHARVEST INTERVAL (DAYS) | SPECIFIC DIRECTIONS  |
|---|--|---|----------------------------|--|
| Citrus Fruits (such as grapefruit, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats and hybrids) | Avocado leafroller<br>California orangedog<br>Citrus cutworm<br>Citrus root weevil<br>Fruitree leafroller  | Orange tortrix<br>Western tussock moth<br>West Indian sugarcane borer (adults)  | 1<br><br>5                 | <del>OBSERVE BEERAW 101</del><br>To insure thorough coverage, do not apply less than 10 gallons of dilute spray mixture per mature tree. May be mixed with petroleum oils commonly used on citrus. |
|   | Black scale<br>Brown soft scale<br>California red scale  | Citricola scale<br>Citrus snow scale<br>Yellow scale  | 3/4 to 1                   |  |
| Olives  | Olive scale  | 3/4 to 1  | 0                          | For optimum scale control add 1 1/2 gallons of summer oil and apply mixture when crawlers are present. Do not exceed 2 applications per year.  |
| Peaches<br>Apricots<br>Nectarines   | Apple pandemis<br>Codling moth<br>Cucumber beetles<br>European earwig<br>Fruitree leafroller<br><del>Cydia</del><br>Japanese beetle<br>June beetle<br>Lecanium scales<br>Lesser peachtree borer<br>Olive scale | Orange tortrix<br>Oriental fruit moth<br>Peach twig borer<br>Periodical cicada<br>Plum curculio<br>Redbanded leaf-roller<br>San Jose scale<br>Tarnished plant bug<br>Tussock moths<br>Variegated leafroller | 1<br><br>3<br><br>3        | For optimum scale control apply when crawlers are present. Spray limbs and trunk thoroughly at weekly intervals during moth flight.<br>(peaches)<br>(apricots & nectarines)                        |

| CROP                        | INSECT   | QUARTS OF SEVIN BRAND SL/ 100 GALS.   | PREHARVEST INTERVAL (DAYS) | SPECIFIC DIRECTIONS |   |
|-----------------------------|--|---|----------------------------|---------------------|---|
| Pecans                      | Black margined aphid<br>Fall webworm<br>Hickory shuckworm<br>Lesser webworm<br>Pecan leaf phylloxera   | <del>Pecan stem phylloxera</del><br>Pecan nut casebearer<br>Pecan spittlebug<br>Pecan weevil<br>Twig girdler<br>Walnut caterpillar  | 1 to 2 1/2                 | 0                   |   |
| Plums<br>Prunes<br>Cherries | Codling moth<br>Eastern tent caterpillar   | Orange tortrix<br>Tussock moth  | 3/4                        |                     |   |
|                             | Black cherry aphid<br>Brown soft scale<br>Cherry fruitworm<br>Cherry maggot<br>European earwig<br>Eyespotted bud moth<br>Forbes scale<br>Fruitree leafroller<br>Green fruitworm<br><del>Copied moth</del><br>Japanese beetle | Lecanium scales<br>Lesser peachtree borer<br>Mealy plum aphid<br>Oystershell scale<br>Peach twig borer<br>Plum curculio<br>Prune leafhopper<br>Redbanded leafroller<br>Rose chafer<br>San Jose scale<br>Variegated leafroller | 1                          | 1                   | For optimum scale control apply when crawlers are present.<br><br>For lesser peachtree borer control spray limbs and tree trunks thoroughly at weekly intervals during moth flight. |
| Walnut                      | Calico scale<br>European fruit lecanium  | Filbertworm<br>Fruitree leafroller<br>Frosted scale   | 1/2                        | 0                   |   |
|                             | Codling moth   |   | 1/2                        |                     | For codling moth apply first spray when average cross-sectional diameters of developing nuts are 1/2 to 3/4 inch. Repeat during middle or late June as needed.                      |
|                             | Navel Orangeworm   |   | 1                          |                     | For navel orangeworm, time application to coincide with peak egg laying activity at time of or following hull split.  |
|                             | European earwig  |   | 2                          |                     | Spray tree trunks to point of run-off.  |

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TREES AND ORNAMENTALS

For control of certain insects on trees, ornamentals, woody plants and shrubs, apply the recommended amount of SEVIN brand SL Carbaryl insecticide in 100 gallons of water. Use hand or power-operated sprayer to wet leaves and twigs to the dripping point. Do not use on Boston ivy, Virginia creeper and maidenhair fern. During early season it may also injure Virginia and sand pines.

|                               |                          | QUARTS OF<br>SEVIN BRAND SL<br>100 GAL |  |
|-------------------------------|--------------------------|--|--|
| INSECT                        |                          |  | SPECIFIC DIRECTIONS  |
| Ants                          | Holly bud moth           | Psyllids                               | Observe plant response precautions.  |
| Apple aphid                   | Holly leafminer          | Puss caterpillar                       |  |
| Armyworm                      | Jackpine budworm         | Redhumped oakworm                      | Apply dilute sprays to obtain thorough coverage of upper and lower leaf surfaces. To control scale insects, treat trunks, stems and twigs in addition to plant foliage. For optimum worm control, treat when in early instars. Addition of a sticker may improve residual control. |
| Azalea leaf-miner             | Japanese beetle          | Rose aphid                             |  |
| Bagworms                      | Jeffrey pine needleminer | Rose chafer                            |  |
| Birch leafminer               | June beetles             | Roseslug                               |  |
| Blister beetle                | Lace bugs                | Saddled prominent Sawflies             |  |
| Boxelder bug                  | Leafhoppers              | (exposed)                              |  |
| Boxwood leaf-miner            | Leafrollers              | Scale insects                          |  |
| Brown tail moth               | Locust borer             | Sowbugs                                |  |
| Cankervorms                   | Maple leafcutter         | Spiney elm caterpillar                 |  |
| Catalpa sphinx                | Mealybugs                | Springtails                            | Applications for control of maple leafcutter on sugar maple should be made when larvae are in 2nd instar after mining and as cases are being formed.   |
| Chiggers                      | Himosa webworm           | Spruce needle-miner                    |  |
| Cutworms                      | Nantucket pine tip moth  | Subtropical pine tip moth              |  |
| Cypress tip moth              | Oak leafminers           | Tent caterpillars                      |  |
| Eastern spruce gall adelgid   | Oak leaf skeletonizer    | Thrips (exposed)                       |  |
| Elm leaf aphid                | Oak moth                 | Ticks                                  |  |
| Elm leaf beetle               | Oakworm complex          | <del>Tree hoppers</del>                | <b>DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.</b>  |
| Elm spanworm                  | Oleander caterpillar     | Walnut caterpillar                     |  |
| Eriophyid mites               | Olive ash borer          | Webworms                               |  |
| European pine shoot moth      | Orangestriped oakworm    | Western hemlock looper                 |  |
| Fall armyworm                 | Orange tortrix           | Willow leaf beetles                    |  |
| Flea beetles                  | Periodical cicada        | Yellow poplar weevil                   |  |
| <del>Fuller rose beetle</del> | <del>Pine looper</del>   |  |  |
| Gall midges                   | Pine sawfly              |  |  |
| Gall wasps                    | Pine spittlebug          |  |  |
| Greenstriped mapleworm        | Pitch pine tip moth      |  |  |
| Grasshoppers                  | Plant bugs               |  |  |
| <del>Green loach</del>        | Poinsettia hornworm      |  |  |
| Hackberry nipplegall maker    |                          |  |  |

TREES AND ORNAMENTALS (CONT'D)

| INSECT   | QUARTS OF SEVIN BRAND SL/ 100 GALS. | SPECIFIC DIRECTIONS  |
|--|-------------------------------------|--|
| Balsam twig aphid<br>Cooley spruce gall adelgid<br>Douglas-fir tussock moth  | 1 to 2                              | Use the higher rate when large larvae or heavy populations are present.  |
| Ips engraver beetles<br>Mountain pine beetle<br>Roundheaded pine beetle<br><del>Spruce beetle</del><br>Western pine beetle | 16                                  | Effective for beetle control or as a protective treatment<br><br>Apply 1 gallon of spray per 50 square feet of bark prior to beetle flight or host-tree attack. Treat tree trunks from ground level up, until trunk diameter is less than 5 inches. Repeat treatments as needed. |
| Eim Bark Beetle  |                                     | Apply approximately 20-30 gallons of spray mixture for each 50 feet of elm tree for thorough coverage of all bark surfaces on trunks, limbs and twigs.   |

0406G/Pending/A02-24-86

LAWNS AND RECREATIONAL AREAS

For control of certain turfgrass pests, apply the recommended rates in sufficient spray volume for thorough coverage and turf thatch penetration. Where a dosage range is indicated, use the higher rate on large pest populations, advanced instars and dense vegetation. Repeat treatment as necessary.

**DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.**

| SITE         | INSECT                      | AMOUNT OF SEVIN BRAND SL   |                 | SPECIFIC DIRECTIONS |   |
|--------------|-----------------------------|--|-----------------|---------------------|---|
|              |                             | FL. OZ./<br>1000 SQ. FT.   | QUARTS/<br>ACRE |                     |   |
| Turf grasses | Ants                        | June beetles<br>Leafhoppers<br>Lucerne moth<br>Millipedes<br>Mosquitoes<br>(adults)<br>Sowbugs<br>Spittlebugs<br>Springtails<br>Ticks<br>Yellowstriped<br>armyworm | 1 1/2 to 3      | 2 to 4              | For Armyworm, Cutworm and Fall Armyworm Control: Do not irrigate treated areas following insecticide application.<br><br>For Green June Beetle Grub Control: Make applications when grubs are feeding near the soil surface. Water or irrigate turf grasses soon after treatment.       |
|              | Armyworm                    |  |                 |                     |   |
|              | Centipedes                  |  |                 |                     |   |
|              | Chinch bugs                 |  | 4.4 to 6        | 6 to 8              | For Chinch Bug Control: Treat entire grass area rather than just damaged areas. Irrigation of turf grass area before treatment will aid in penetration of insecticide into turf grass.<br><br>For Sod Webworm Control: Do not irrigate treated areas following insecticide application. |
|              | Sod Webworm<br>(lawn moths) |  |                 |                     |   |
|              | Bluegrass billbug           |  | 6               | 8                   | For European Crane Fly Control: Treatment should be applied in early spring, April 1 to April 15, or as recommended by local Agricultural Extension Service agents. Water or irrigate turf grasses thoroughly soon after treatment.   |
|              | European crane fly          |  |                 |                     |   |
|              | Fleas                       |  |                 |                     |   |

LAWNS AND RECREATIONAL AREAS (CONT'D)

For control of certain turfgrass pests, apply the recommended rates in sufficient spray volume for thorough coverage and turf thatch penetration. Where a dosage range is indicated, use the higher rate on large pest populations, advanced instars and dense vegetation. Repeat treatment as necessary.

DO NOT RE-ENTER OR USE UNTREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.

| SITE | INSECT  | AMOUNT OF SEVIN BRAND SL |                 | SPECIFIC DIRECTIONS   |
|------|---|--------------------------|-----------------|---|
|      |   | FL. OZ./<br>1000 SQ. FT. | QUARTS/<br>ACRE |   |
|      | White grubs<br>(such as Japanese<br>beetle, Chafer beetle<br>and <u>Phyllophaga</u><br>spp. larvae) | 6                        | 8               | For White Grub Control:<br>Applications should be made when<br>grubs are feeding near the soil<br>surface, usually during late<br>March through May, or July to<br>early September, or as recom-<br>mended by local Agricultural<br>Extension Service agents.<br>Water or irrigate turf grasses<br>thoroughly soon after treatment. |

0406G/Pending 702-24-86

1406

**IMPORTED ANT CONTROL**

| SITE   | AMOUNT OF SEVIN BRAND SL/<br>VOLUME OF WATER                       | SPECIFIC DIRECTIONS  |
|--|--|--|
| Lawns, Cemeteries<br>and Recreational<br>Areas (including<br>turf, golf courses,<br>and parks)<br>Pastures<br>Rangeland<br>Forested Lands<br>and Wasteland | 1 1/2 quarts/<br>100 gallons<br>or<br>1 1/2 tablespoons/<br>gallon | Apply a total of 2 gallons of the diluted solution over the surface of each mound or at least 1 quart per 6 inches of mound diameter using a bucket, can or other appropriate equipment. Thoroughly wet mound and surrounding area to a 4 ft. diameter (12 sq. ft.). Do not disturb mounds prior to treatment. Pour solution from a height of about three feet to give sufficient force to break mound apex and flow into ant tunnels. For best results apply in cool weather, 65-80 degrees F, or in early morning or late evening hours. Repeat application if mound activity resumes after 10 days. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness. |
| <p align="center"><b>DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS<br/>OR UNTIL SPRAYS HAVE DRIED.</b></p>                                  |  |  |

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**ADULT MOSQUITO CONTROL**

For dilute-spray ground applications to trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas), ornamentals, woody plants and shrubs, apply the specified dosage per 100 gallons of water. For concentrate-spray ground applications, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage. To prepare small volumes of spray, use 1 tablespoon (1/2 fluid ounce) of SEVIN brand SL Carbaryl insecticide per gallon of water, where rates of 1 quart are indicated.

| SITE  | QUARTS OF SEVIN BRAND SL/100 GALS.                 | SPECIFIC DIRECTIONS   |
|---|--|---|
| Pastures,<br>Rangelands,<br>Parks,<br>Recreational Areas,<br>Logging Camps,<br>Military Posts and<br>Adjacent Forested<br>lands or Wastelands | 1/4 to 1<br>(1/2 to 1 tablespoonful<br>per gallon) | DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.<br><br>CAUTION: May kill shrimp and crabs. Do not use in areas where these are important resources.<br><br>OBSERVE BEE CAUTION<br><br>Treat shrubbery and areas where adult mosquitoes congregate. Treat when adult mosquitoes are active in early mornings or late evenings. Repeat at 7 to 10 day intervals.<br><br>Use 1/4 to 1/2 quart per 100 gallons in mistblowers, and 1 quart per acre in low pressure ground sprayers. |
| 25  |  | For residual control in subtropical regions apply 4 gallons of prepared spray per 2000 square feet of surface area. Repeat in 3 to 6 months or when necessary.  |





wallpaper and fabrics.

Do not use this product in commercial food areas of food handling establishments, restaurants or other places where food is prepared or processed. Do not use in serving areas while food is exposed.

#### INDOORS

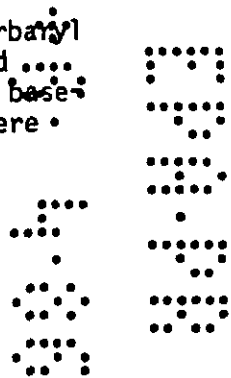
**ANTS/CRICKETS/FIREBRATS/SILVERFISH:** Mix 3 oz. this product per gallon of water and apply as fine, low pressure (20 psi) spot spray or as crack and crevice application to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, dishwashers, hot water heaters, the underside of shelves, drawers and similar areas. For ants, apply to ant trails, around doors and windows and other places where ants enter premises.

**BEES and WASPS:** Mix 3 oz. this product per gallon of water and thoroughly spray nest and entrance and surrounding areas where insects alight. It is generally advisable to spray the nests in the evening when the insects are less active and have returned to the nest. For best results, check nest carefully one or two days after spraying to ensure complete kill, then remove and destroy nest to prevent emergence of newly hatched insects.

**BROWN DOG TICKS and FLEAS:** Mix 3 oz. this product per gallon of water and thoroughly spray infested areas such as pet beds and resting quarters, nearby cracks and crevices, between and under cushions of upholstered furniture, along and behind baseboards, window and door frames and other areas where these pests may be present.

**CARPENTER ANTS:** Mix 3 oz. this product per gallon of water and apply to ant trails, around doors and windows and other places where ants enter premises. Where possible, apply this product directly to ant nest or infested wood.

**CENTIPEDES/EARWIGS/MILLIPEDES/SCORPIONS:** Mix 3 oz. SEVIN® brand SL Carbaryl Insecticide per gallon of water and apply around water pipes, doors and windows, and other places where these pests may enter premises. Spray baseboards, storage areas, garages, carports, basements and other areas where these pests are found.



**COCKROACHES:** Efficacy varies with species sensitivity. This product is generally not highly effective in controlling German cockroaches. However, the following may be controlled with the rates as stated. American roach, Australian roach, Brown roach, Smoky brown roach, and others. Mix 3 oz. this product per gallon of water and apply as a fine, low pressure (psi) spot spray or as crack and crevice application to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, dishwashers, hot water heaters, the underside of shelves, drawers and similar areas.

**SPIDERS:** Mix 3 oz. this product per gallon of water and apply to infested baseboards, window and door frames, corners, pipes, storage areas, attics and under eaves. Make spot applications to other areas which these pests are present.

**OUTDOORS**

**PERIMETER TREATMENT:** Residual spray for control of ants, bees and wasps, brown dog ticks, carpenter ants, centipedes, cockroaches, crickets, earwigs, firebrats and silverfish, fleas, millipedes, scorpions and spiders. Mix 16 oz. this product per 50 gallons of water and apply via power spray or other spray methods.

To help prevent infestations of buildings by the above pests, outside perimeter treatment should be in a band 6 to 10 feet wide and confined to shrub beds, foundation plantings and lawn or soil areas immediately adjacent to the structure. Direct application to structures should be minimal and restricted to cracks and cervices and other areas where insects tend to congregate.

**STORAGE AND DISPOSAL**

**STORAGE**

Store unused product in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F. This product may be used following exposure to several freeze-thaw cycles.

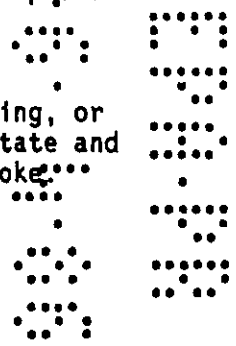
If container is damaged, before cleaning up, put on long-sleeved shirt, full length trousers, head covering, and protective gloves.

**PESTICIDE DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.



LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a)that this product conforms to the chemical description on the label; (b)that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

