

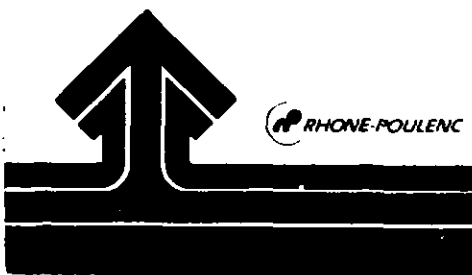
PM12  
264-335

For **PRODUCT USE** Information  
Call 1-800-334-9745.

For **EMERGENCY** Information **ONLY**  
Call 24 Hours A Day 1-800-334-7577.

chipco  
THE RIGHT APPROACH

**Sevin® SL**  
brand Carbaryl Insecticide



**For Agricultural and Commercial Use Only**  
**For Professional Pest Control**

**ACTIVE INGREDIENT:**  
Carbaryl (1-naphthyl N-methylcarbamate) ..... 41.2% by wt.  
**INERT INGREDIENTS:** ..... 58.8% by wt.  
(Contains 4 Pounds Carbaryl Per Gallon)

EPA Reg. No. 264-335      EPA Est. No. 264-MO-02

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
See Inside Box.

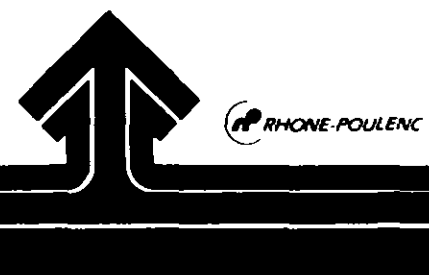
**ACCEPTED**

MAR 22

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

chipco  
THE RIGHT APPROACH

**Sevin® SL**  
brand Carbaryl Insecticide



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## 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.

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Consultation on diagnosis, therapy and analysis can be obtained at all hours by calling the RHÔNE-POULENC emergency number 1-800-334-7577.

### **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: May Kill Honeybees in Substantial Numbers**

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 visiting the treatment area. Contact your Cooperative Agricultural Extension Service or your local RHÔNE-POULENC AG COMPANY representative for further information.

### **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 PRECAUTIONS, 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**

CHIPCO® 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 re-entry 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 shall 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 CHIPCO® SEVIN® brand SL Carbaryl Insecticide, date of application, appropriate clothing, and reentry interval (i.e., until sprays have dried).

### **PREHARVEST AND GRAZING USE 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.

Do not plant rotational food and feed crops not listed on this or other carbaryl labels in carbaryl treated soil.

Do not use reclaimed irrigation water from crops treated with carbaryl on crops for which carbaryl tolerances are not established.

### 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 CHIPCO® 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

CHIPCO® 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 CHIPCO® 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 for specific directions 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

Begin application when insect populations reach recognized economic threshold levels. Consult the Cooperative Extension Service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area. 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 CHEPCO-SEVIN® brand SL Carbaryl Insecticide in 100 gallons of water. Use hand or power operated sprayer to wet leaves and branches to the dripping point.

CROP	QUARTS OF CHEPCO-SEVIN® BRAND SL INSECTICIDE PER 100 GALL.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Apples	1/4 to 1/2	1	<p><b>OBSERVE BEE CAUTION</b></p> <p>Apply 1 full coverage drench spray between 10 and 25 days after full bloom. Factors such as tree age, variety, nutrition, previous crop, pruning, bloom and degree of set favor excessive fruit thinning with the product. Exercise caution to avoid possible yield reduction. Rates may vary depending on variety and local orchard conditions.</p> <p>Consult with you, County Extension Service or other experts for advice on the proper use of this product in Eastern apple growing areas. Tank mix combinations of Carbaryl and Naphthylmaleic Acid (NMA) or Naphthaleneacetic Acid (NAA) have successfully thinned several early maturing, heavy bearing varieties as well as hard-to-thin varieties such as Golden Delicious and Rhode Island Greening. The higher rate of Carbaryl and reduced rates of NAA or NAD followed 7 to 10 days later by an application of Carbaryl has improved thinning on these varieties.</p> <p>For early thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winnsap, Yellow Newton.</p> <p>For difficult to thin varieties including Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent, and York Imperial.</p>
	1/2 to 1	1	

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TREE FRUIT AND NUT CROPS (Continued)

CROP	INSECT	QUARTS OF CHIPCO® SEVIN® BRAND SL/ 100 GALS.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Almond	Fruit tree leafroller Peach twig borer San Jose scale	1	28	OBSERVE BEE CAUTION 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  Time early and mid season applications to correspond to moth flight peaks. Make 1 late season application at initiation of hull split or up to 10% hull split
	Navel orangeworm			
Avocados (FOR CALIFORNIA USE ONLY)	Gypsy moth Japanese beetle	1	1	FOR USE IN JAPANESE BEETLE AND GYPSY MOTH ERADICATION PROGRAMS IN CALIFORNIA ONLY  Use with ground equipment and spray to run off. Apply when insects or their damage appear  Do not make more than 1 application per season

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TREE FRUIT AND NUT CROPS (Continued)

CROP	INSECT	QUARTS OF CHIPCO® SEVIN® BRAND SL/ 100 GALS.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Chestnuts (DO NOT USE IN CALIFORNIA)	Chestnut weevil	2 to 3	0	Make 4 applications at weekly intervals beginning in late July for adult Chestnut weevil control. Last application should be made prior to shuck split
Citrus Fruits (such as grape fruit, lemons, limes, oranges, tangelos, tangerines, Citrus citron, kumquats and hybrids)	Avocado leafroller California orange dog Citrus cutworm Citrus root weevil Fruit tree leafroller	Orange tortrix Western tussock moth West Indian sugarcane borer (adult)	1	OBSERVE BEE CAUTION  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 Brown soft scale California red scale	Citricola scale Citrus snow scale Yellow scale	3/4 to 1	
Filbert	Filbert aphid Filbert leaf-roller Filbertworm	1	0	Apply when leafroller eggs are hatching. Repeat on first appearance of adult filbert moths and again 3 to 4 weeks later.  Apply dilute sprays in 300-400 gallons per acre
Olive	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

TREE FRUIT AND NUT CROPS (Continued)

CROP	INSECT	QUARTS OF CHMPCO® SEVIN® BRAND SL/ 100 GALS.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Peaches Apricots Nectarines	Apple pandanus Codling moth Cucumber beetles European earwig Fruitree leafroller Gypsy moth Japanese beetle June beetle Lecanium scales Lesser peachtree borer Olive scale Orange tortrix Oriental fruit moth Peach twig borer Periodical cicada Plum curculio Redbanded leafroller San Jose scale Larnished plant bug Lussock moths Variegated leafroller	1	1 (peaches) 3 (apricots & nectarines)	For optimum scale control apply when crawlers are present. For lesser peachtree borer control spray limbs and trunk thoroughly at weekly intervals during moth flight.	
Pecans	Black margined aphid Fall webworm Hickory shuckworm Lesser webworm Pecan leaf phylloxera Pecan stem phylloxera	Pecan nut casebearer Pecan spittlebug Pecan weevil Hug grubler Walnut caterpillar	1 to 2 1/2	0	
Pistachios	Navel Orangeworm		1 to 2	14	Apply dilute volumes of 150 to 300 gallons of mixed spray per acre for full coverage at onset of hull split.

TREE FRUIT AND NUT CROPS (Continued)

CROP	INSECT	QUARTS OF CHMPCO® SEVIN® BRAND SL/ 100 GALS.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Plums Prunes Cherries	Codling moth Eastern tent caterpillar Black cherry aphid Brown soft scale Cherry fruitworm Cherry maggot European earwig Eyespotted bud moth Forbes scale Fruitree leafroller Green fruitworm Gypsy moth Japanese beetle	Orange tortrix Lussock moth Lecanium scales Lesser peachtree borer Mealy plum aphid Oystershell scale Peach twig borer Plum curculio Prune leafhopper Redbanded leafroller Rose chaler San Jose scale Variegated leafroller	3/4	1	For optimum scale control apply when crawlers are present. For lesser peachtree borer control spray limbs and tree trunks thoroughly at weekly intervals during moth flight.
Pomegranate (including apples, pears, loquats, crab apples, oriental pears and quince)	Apple aphid Apple maggot Apple rust mite Apple sucker Bagworms California pearslug (pear sawfly) Eastern tent caterpillar European apple sawfly Eyespotted bud moth Forbes scale Fruitree leafroller Green fruitworm	Gypsy moth Lecanium scales Lesser appleworm Lygus bugs Orange tortrix Oystershell scale Pearleaf blister mite Pear psylla Pear rust mite Periodical cicada Plum curculio Redbanded leafroller (continued)	3/4 to 1	1	OBSERVE BEE CAUTION 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. To control all insects apply when crawlers are present.

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**TREE FRUIT AND NUT CROPS (Continued)**

CROP	INSECT	QUARTS OF CHIPCO® SEVIN® BRAND SL/ 100 GALS.	PRE- HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Continued Pomegranate (including pears loquats, crab apples, oriental pears and quince)	Rosy apple aphid San Jose scale Larnished plant bug	lentiform leafminers Woolly apple aphid Yellowheaded fireworm		FOR SPECIFIC DIRECTIONS See previous page	
	Apple mealybug Apple aphid	Codling moth White apple leathopper	1/2		
	Japanese beetle		3/4		
Walnut	Caico scale Codling moth European fruit lecanium	Filbertworm Fruitree leafroller Frosted scale	1/2	0	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		
	European earwig		2	Spray tree trunks to point of run-off.	

**TREES AND ORNAMENTALS**

For control of certain insects on trees, ornamentals, woody plants and shrubs, apply the recommended amount of CHIPCO® 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 pine.

INSECT	AMOUNT OF CHIPCO® SEVIN® BRAND SL/ TO PREPARE		SPECIFIC DIRECTIONS
	3 GALS.	100 GALS.	
Ants	Fuchsia gall mite	Oak leafminers	Observe response precautions. Apply sprays to obtain thorough coverage, 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. Applications for control of maple leaf cutter on sugar maple should be made when larvae are in 2nd instar after hatching and as canes are being formed. <b>DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED</b>
Apple aphid	Fuller rose beetle	Oak leaf skeletonizer	
Armyworm	Gall midges	Oak moth	
Azalea leafminer	Gall wasps	Oakworm complex	
Bagworms	Greenstriped mapleworm	Oleander caterpillar	
Birch leafminer	Grasshoppers	Olive ash borer	
Bristle beetle	Gypsy moth	Orangestriped oakworm	
Boxelder bug	Hackberry noplegall	Orange tortrix	
Brown oak leafminer	maple	Periodical cicada	
Brown oak moth	Holly bud moth	Pine looper	
Cankerworms	Holly leafminer	Pine sawfly	
Catalpa sphinx	Jackpine budworm	Pine spittlebug	
Chiggers	Japanese beetle	Pitch pine tip moth	
Cutworms	Jeffrey pine needleminer	Plant bugs	
Cypress tip moth	June beetles	Poinsettia hot saw fly	
Eastern spruce gall adelgid	Lace bugs	Phyllid	
Elm leaf aphid	Leafhoppers	Russ caterpillar	
Elm leaf beetle	Leafrollers	Redstriped oak worm	
Elm spanworm	Luxus borer	Rose aphid	
Eriophyes mites	Maple leaf cutter	Rose chafers	
European pine shoot moth	mealybugs	Rose slug	
Fall armyworm	Mimos webworm	Saddled prominent	
Flea beetles	Nantucket pine tip moth	(continued)	

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TREES AND ORNAMENTALS (Continued)

INSECT	AMOUNT OF CHIPCO® SEVIN® BRAND SL TO PREPARE		SPECIFIC DIRECTIONS
	3 GALS.	100 GALS.	
(Continued) Sawflies (exposed) Scale insects Sawbugs Spaney elm caterpillar Springtails Spruce needleminer	Subtropical pine tip moth Tent caterpillars Thrips (exposed) Ticks Tree hoppers	Walnut Caterpillar Webworms Western hemlock looper Willow leaf beetles Yellow poplar weevil	See previous page for SPECIFIC DIRECTIONS
Balsam twig aphid Cooley spruce gall adelgid	Douglas fir tussock moth Spruce budworm	Western spruce budworm	Use the higher rate when large larvae or heavy populations are present
Ips engraver beetles Mountain pine beetle	Roundheaded pine beetle	Spruce beetle Western pine beetle	Effective for beetle control or as a protective treatment 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
Em 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

LAWNS AND RECREATIONAL AREAS

For control of certain turfgrass pests, apply the recommended rates using hose end sprayers or pressure type equipment 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 CHIPCO® SEVIN® BRAND SL		SPECIFIC DIRECTIONS	
		FL. OZ./ 1000 SQ. FT.	QUARTS/ ACRE		
Turf grasses	Ants Armyworm Centipedes Chiggers Cutworms Earwigs Essex skipper European chaffer Fall armyworm Fiery skipper Grasshoppers	Green June beetle grub June beetles Leahoppers Lucerne moth Milipedes Mosquitoes (adults) Sawbugs Spittlebugs Springtails Ticks Yellowstriped armyworm	1 1/2 to 3	2 to 4	For Armyworm, Cutworm and Fall Armyworm Control: Do not irrigate treated areas following insecticide application For Green June Beetle Grub Control: Make applications when grubs are feeding near the soil surface. Water or irrigate turf grasses soon after treatment
	Chinch bugs Sod Webworm (awn moths)		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 For Sod Webworm Control: Do not irrigate treated areas following insecticide application

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LAWNS AND RECREATIONAL AREAS (Continued)

SITE	INSECT		AMOUNT OF CHIPCO-SEVIN BRAND SL		SPECIFIC DIRECTIONS
			FL. OZ./1000 SQ. FT.	QUARTS/ACRE	
turf grasses (Continued)	Bluegrass billbug European crane fly fleas	White grubs (such as Japanese beetle, Chaffer beetle and Phyllophaga spp larvae)	6	8	For European Crane Fly Control: Treatments 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.  For White Grub Control: Applications should be made when grubs are feeding near the soil surface, usually during late March through May, or July to early September or as recommended by local Agricultural Extension Service agents. Water or irrigate turf grasses thoroughly soon after treatment.

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IMPORTED FIRE ANT CONTROL

SITE	AMOUNT OF CHIPCO-SEVIN BRAND SL/VOLUME OF WATER	SPECIFIC DIRECTIONS
Lawns, Cemeteries and Recreational Areas (including turf, golf courses and parks); Pastures; Rangeland; Forested Lands and Wasteland	1 1/2 quarts/100 gallons or 1 1/2 tablespoons/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. <b>DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.</b>
Nursery Stock; Vegetable Transplants; Foliage Plants and Bedding Plants	1 1/2 quarts/100 gallons	<b>DO NOT USE ON ANY FOOD CROP NOT LISTED ON LABEL.</b> Do not make more than one application, either as a root dip or a drench treatment (applied to the point of saturation). Avoid contact with foliage and treat only the growing media when using on bedding plants.

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**ADULT MOSQUITO CONTROL**

For dilute spray ground application, 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 fluid ounce) of CHIPCO® SEVIN® brand SL Carbaryl Insecticide per gallon of water, where rates of 1 quart are indicated.

SITE	QUARTS OF CHIPCO® SEVIN® BRAND SL PER 100 GALS.	SPECIFIC DIRECTIONS
Pastures Rangelands Parks Recreational Areas Logging Camps, Military Posts and Adjacent Forested Lands or Wastelands	1/4 to 1 1/2 to 1 table-spoonful per gallon	DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED. CAUTION: May kill shrimp and crabs. Do not use in areas where there are important resources. OBSERVE BEE CAUTION 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. Use 1/4 to 1/2 quart per 100 gallons in mistblowers, and 1 quart per acre in aerial sprays and 1 quart per acre in low pressure ground sprayers. 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.

**DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS**

Apply this product only through sprinkler irrigation systems including center pivot and solid set. Do not apply this product through any other type of irrigation system.

**SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** First prepare a suspension of CHIPCO® SEVIN® brand SL Carbaryl Insecticide in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of CHIPCO® SEVIN® brand SL, and then the remaining volume of water. (Suspension of concentrations using the appropriate dosage per acre recommended on this label of CHIPCO® SEVIN® brand SL per 1 to 4 gallons of water are recommended.) Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of CHIPCO® SEVIN® brand SL into the irrigation water line so as to deliver the desired rate per acre. The suspension of CHIPCO® SEVIN® brand SL should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE:** When treatment with CHIPCO® SEVIN® brand SL has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

**GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS**

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A

person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

## PEST CONTROL IN AND AROUND BUILDINGS

### GENERAL INFORMATION

**NOTE:** Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Therefore, applications of CHIPCO<sup>®</sup> SEVIN<sup>®</sup> brand SL Carbaryl Insecticide to surfaces where a noticeable residue or discoloration is objectionable should be avoided. Do not apply to carpets or draperies as staining may occur. Care should also be exercised to avoid spotting of wallpaper and fabrics.

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

### INDOORS

**ANTS/CRICKETS/FIREBRATS/SILVERFISH:** Mix 3.5 oz. of 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.

**BEEES AND WASPS:** Mix 3.5 oz. of 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 3.5 oz. of this product per gallon of water and thoroughly spray infested areas such as 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 7.0 oz. of 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 3.5 oz. CHIPCO<sup>®</sup> SEVIN<sup>®</sup> 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 7.0 oz. of this product per gallon of water and apply as a 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.

**SPIDERS:** Mix 3.5 oz. of 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 in 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 7.0 oz. of this product per gallon 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 crevices and other areas where insects tend to congregate.

**ANTS:** Mix 7.0 oz. of this product per gallon of water and apply a fine, low pressure (20 PSI) spot spray or as crack and crevice application to ant trails, around doors and windows, and other places where ants enter premises.

## 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 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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**NOTICE TO BUYER**

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

**NOTES**

**NOTES**

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