


PM 12

204-423

10/19

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

<b>(A)</b> 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> <b>Amendment</b> <input type="checkbox"/> Other	OPP Identifier Number  <b>196637</b>
	<b>Application for Pesticide:</b>		

**Section I**

1. Company/Product Number <b>264-423</b>	2. EPA Product Manager <b>Dennis Edwards</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>SEVIN brand FL Carbaryl Insecticide</b>	PM# <b>19</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Rhone-Poulenc Ag Company 2 T. W. Alexander Drive RTP, NC 27709</b>  <input type="checkbox"/> Check if this is a new address.	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____ Product Name _____	

**Section II**

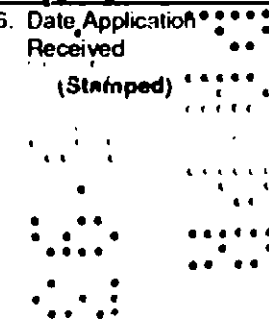
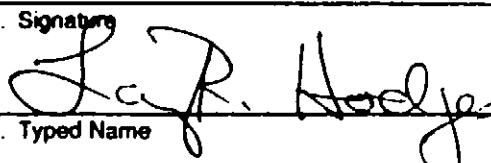
<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> Me Too* Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
**NOTIFICATION:** As required by PR Notice 93-3, the Environmental Hazards section of this ~~SEVIN~~ label has been amended to prohibit the application to water.  
**NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 93-3**  
**DATE: 6/29/93**

**Section III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other (_____)		

**Section IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>Larry R. Hodges</b>	Title <b>Registration Manager</b>	Telephone No. (Include Area Code) <b>919-549-2870</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 
2. Signature 	3. Title <b>Registration Manager</b>	
4. Typed Name <b>Larry R. Hodges</b>	5. Date <b>June 24, 1993</b>	

20719

# SEVIN® brand FL CARBARYL INSECTICIDE

## For Agricultural or Commercial Use Only

ACTIVE INGREDIENT: Carbaryl (1-naphthyl N-methylcarbamate) ..... 41.6% by wt.  
INERT INGREDIENTS ..... 58.4% by wt.

(Contains 4 Pounds Carbaryl Per Gallon)

E.P.A. Reg. No. 264-423

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

## KEEP OUT OF REACH OF CHILDREN CAUTION

For **EMERGENCY** Information **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-800-334-9745

### STATEMENT OF PRACTICAL TREATMENT

**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.

#### GENERAL

Contact a physician immediately in all cases of suspected poisoning. Transport patient to a physician or hospital immediately and **SHOW A COPY OF THIS LABEL TO THE 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.

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 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. Analyses will be arranged by Rhone-Poulenc Ag Company.

Consultation on therapy can be obtained at all hours by calling the Rhone-Poulenc emergency number 1-800-344-7577.

### PRECAUTIONARY STATEMENTS

#### CAUTION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**MAY BE HARMFUL IF SWALLOWED.** Avoid breathing spray mist. Do not take internally. Avoid contact with eyes, skin or clothing. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

#### ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN above.

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Discharge from rice fields may kill aquatic and estuarine invertebrates. 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 foraging in the treatment area. Contact your cooperative Agricultural Extension Service, or your local Rhone-Poulenc Ag Company representative for further information.

NOTIFICATION  
LABEL NOT REVIEWED  
PER PR NOTICE 00-8

DATE: 6/29/93

3-2-19

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### 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 fields during application and until sprays have dried. Regular long-sleeved work clothing should be worn when working in treated fields. See PRECAUTIONARY STATEMENTS, STATEMENT OF PRACTICAL TREATMENT and NOTE TO PHYSICIAN for information on accidental exposures. 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 FL Carbaryl Insecticide, date of application, appropriate clothing, and re-entry interval (i.e., until sprays have dried).

### STORAGE AND DISPOSAL

#### STORAGE

Store unused SEVIN® brand FL Carbaryl Insecticide 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.

#### 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.

### GENERAL INFORMATION

SEVIN® brand FL Carbaryl Insecticide is a suspension of microfine SEVIN carbaryl insecticide in an aqueous medium. It readily disperses in water to form a spray which may be applied by air or ground. READ THIS LABEL BEFORE USE. STRICTLY OBSERVE LABEL DIRECTIONS AND CAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS.

#### PLANT RESPONSE PRECAUTIONS

To avoid possible injury to tender foliage, do not apply to wet foliage or when rain or high humidity is expected during the next two days.

Do not use on Boston Ivy, Virginia creeper and maidenhair fern as injury will result. During early season, it may also injure Virginia and sand pines.

Observe label instructions on apple thinning and on combinations with certain herbicides on rice and soybeans.

#### 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. If used as directed, treated forage may be grazed or used as feed for dairy and meat animals without causing illegal residues in meat or milk. This product may be applied up to and including the day of harvest or grazing of forage crops. Application may be made without removing livestock from area being treated.

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 upland crops for which carbaryl tolerances are not established.

#### SPRAY PREPARATION

To assure a uniform product, agitate, stir or recirculate all containers of SEVIN® brand FL Carbaryl Insecticide 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 FL Carbaryl Insecticide, and then 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.



### WASHOFF RESISTANCE AND COVERAGE

Dilution of 1 volume of SEVIN® brand FL Carbaryl Insecticide with 1 volume of water will allow maximum resistance to washoff by rainfall or overhead irrigation. Dilutions higher than 1:39 are not recommended when washoff resistance is desired.

SEVIN® brand FL Carbaryl Insecticide must be diluted as stated above, and droplets must dry on the foliage before they become washoff resistant. When atmospheric humidity is low, a drying time of at least one hour is generally adequate. Under high humidity a longer drying time may be required. Washoff resistance cannot be expected if SEVIN® brand FL Carbaryl Insecticide is applied to wet foliage which does not dry adequately prior to rainfall or overhead irrigation.

On all crops, use sufficient spray volume to obtain thorough coverage. Optimum pest control under certain crop, pest or climatic conditions may require spray gallonages higher than the 1:39 dilution. For example in hot, dry weather, or when humidity is low, higher spray gallonage per acre may be required to minimize loss from evaporation and insure thorough coverage. The total spray volume required for effective pest control can best be determined by previous experience, pest and crop conditions and local recommendations.

### COMPATIBILITY

SEVIN® brand FL Carbaryl Insecticide, when diluted with 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 of SEVIN® brand FL with another product and the resulting crop response is unknown, it 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 mechanical 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 FL 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, EXCESSIVE RESIDUES OR PLANT INJURY.

Unstable under highly alkaline conditions. Not effective if used with alkaline materials such as Bordeaux, lime-sulfur and casein-lime spreaders.

### APPLICATION

On all crops use sufficient gallonage to obtain thorough and uniform coverage. Calibrate spray equipment to deliver the required volume. The flow rate of SEVIN® brand FL Carbaryl Insecticide diluted 1:1 with water is similar to water. 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 proper disposal of this water and detergent mixture and rinse water.

### INSECT CONTROL

Apply when insects or their damage appear. 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 lower rate on young plants and early instars and higher rate on mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective control.

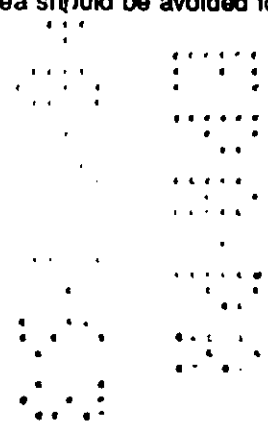
SEVIN® brand FL Carbaryl Insecticide does not control spider mites. If spider mites are a problem, use a registered miticide. Regional differences have been noted in the susceptibility of certain strains of fall armyworm to SEVIN® brand FL Carbaryl Insecticide. If local experience indicates inadequate control, use an alternative pesticide.

### 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:** First prepare a suspension of SEVIN® brand FL 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 SEVIN® brand FL, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of SEVIN® brand FL, 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 SEVIN® brand FL into the irrigation water line so as to deliver the desired rate per acre. The suspension of SEVIN® brand FL 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 SEVIN® brand FL 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 continous sagitation 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.

**FORAGE, FIELD AND VEGETABLE CROPS**

Apply in sufficient spray volume to obtain thorough coverage. Where maximum washoff resistance is needed, use up to a 1:1 (vol/vol) dilution with water. Do not dilute greater than 1:39 where washoff resistance is desired. To prepare small volumes of spray, use 1 tablespoonful (1/2 fluid ounce) of SEVIN® brand FL Carbaryl Insecticide per gallon of water where rates of 1 quart per acre or 1 quart per 100 gallons are indicated in the tables below.

**GRASSHOPPERS**

CROP	INSECT	QUARTS OF SEVIN® brand FL ACRE	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS	
All Forage, Field and Vegetable Crops		1/2 to 1 1/2 Unless Noted Otherwise	See specific Forage, Field or Vegetable Crop	Use the lower rate for nymphs on small plants or sparse vegetation in wasteland, rangeland, pastures, rights-of-way, hedgerow, ditchbanks and roadsides. Use the higher rate for adult grasshoppers or applications to dense vegetation.	
Alfalfa Clover	Blister beetles Mexican bean beetle	1/2 to 1	7 (alfalfa)	Observe plant response precautions.  On dense growth, use 25 to 40 gallons per acre with ground equipment to insure adequate coverage.  For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble.  Apply only once per cutting.	
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle	Leafhoppers Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1		0 (clovers)
	Armyworm Cloverhead weevil Corn earworm Cutworms Egyptian alfalfa weevil larvae Essex skipper	European alfalfa beetle Fall armyworm Lygus bugs Stink bugs Webworms Yellowstriped armyworm	1 to 1/2		
	Alfalfa weevil larvae West of the Rocky Mountains		1 to 1 1/2		
	East of the Rocky Mountains		1 1/2		

**FORAGE, FIELD AND VEGETABLE CROPS**

<b>CROP</b>	<b>INSECT</b>	<b>QUARTS OF SEVIN® brand FL ACRE</b>	<b>PREHARVEST INTERVAL DAYS</b>	<b>SPECIFIC DIRECTIONS</b>
Asparagus	Asparagus beetle	1 to 2	1	Treat ferns or brush growth.
	Apache cicada Asparagus beetle	2 to 4	Post harvest application only	Do not treat more than once every 3 days.
Beans (including blackeyed peas, cowpeas, crowder or southern peas, dry beans, green beans, lima beans, navy beans and snap beans)	Blister beetles Mexican bean beetle	1/2 to 1	0 (except cowpeas) 3 (cowpeas)	Observe plant response precautions.
	Alfalfa caterpillar Bean leaf beetles Cucumber beetles Flea beetles Green cloverworm Japanese beetle	Leafhoppers Three cornered alfalfa hopper Thrips Velvetbean caterpillar Western bean cutworm	1	
	Amyworm Corn earworm Cutworms European corn borer	Fall armyworm Stink bugs Tarnished plant bug Webworms	1 to 1 1/2	
	Cowpea curculio		2	
	Corn earworm Lima bean pod borer	Lygus bugs Stink bugs	2	CALIFORNIA ONLY
Cabbage Broccoli Brussels sprouts Cauliflower Kohlrabi	Flea beetles	Harlequin bug	1/2 to 1	3
	Amyworm Corn earworm Fall armyworm	Imported cabbage worm	1 to 2	
Chinese cabbage Collards Hanover salad Horseradish Kale Mustard greens Radishes Rutabagas Turnips	Flea beetles Harlequin bug	Leafhoppers	1/2 to 1	3 (horseradish, radishes, rutabagas and turnip roots)
	Aster leafhopper		1 to 1 1/2	
	Amyworm Corn earworm Fall armyworm	Imported cabbage worm Stink bugs Tarnished plant bug	1 to 2	14 chinese cabbage, collards, hanover salad, kale, mustard greens, and turnip tops
Carrots Celery Parsley Parsnips	Flea beetles	Leafhoppers	1/2 to 1	0 (carrots)
	Aster leafhopper Lygus bugs	Spittlebugs	1 to 1 1/2	3 (parsnips)
	Amyworm Corn earworm Fall armyworm	Stink bugs Tarnished plant bug	1 to 2	14 (celery and parsley)
				<b>DO NOT USE ON CELERY IN CALIFORNIA</b> Treat on a 5 to 7 day schedule.

## FORAGE, FIELD AND VEGETABLE CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL ACRE	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS	
Corn (field, sweet, pop)	Armyworm Chinch bugs Corn earworm Corn rootworm (adults) European corn borer Fall armyworm	Flea beetles Japanese beetle Sap beetles Southwestern corn borer Leafhoppers	1 to 2	0	<b>OBSERVE BEE CAUTION</b> For insects attacking silks and ears apply at 1 to 6 day 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. For optimum chinch bug control, apply at least 20 gallons of water per acre by ground and direct spray toward stalk to provide thorough coverage.
	Western bean cutworm		2		Treat when infestation averages 15% and at 90% to 100% tassel emergence. Treatment after 100% silk emergence will reduce effectiveness.
	Cutworms		2 to 6 1/2		Apply in a 12 inch bank, using 6 fl. oz./1000 linear feet of row, in at least 15 gallons of water per acre. For broadcast application use 6.5 quarts in at least 20 gallons (ground) or 5 gallons (air) of water per acre.
Cotton	Cotton fleahopper Cotton leafworm Flea beetles	Striped blister beetle Thrips	1/2 to 1	7	Early season insect control.
	Boll weevil Bollworms Cotton leaf-perforator Fall armyworm Leafrollers Leafhoppers	Tarnished Plant bug Yellow striped armyworm (cotton cutworm)	1 to 2		Treat on a 5 to 7 day schedule for as long as control is necessary. Mid and late season insect control. May be applied after bolls open.
	Lygus bugs		1 to 2		For light to moderate populations in Western irrigated cotton.
	Pink bollworm		1 1/2 to 2 1/2		Aphid populations will be suppressed by repeated applications of this insecticide.
	Stink bugs Saltmarsh caterpillar		2		
Cucumber Melons Pumpkin Squash	Pickleworm	Melonworm	1/2 to 1	0	Observe plant response precautions.
	Cucumber beetles Flea beetles	Leafhoppers Squash bugs	1		Avoid excessive applications.
Dandelion Endive (Escarole) Lettuce Salsify	Flea beetles Halequin bug	Leafhoppers	1/2 to 1	3 (head lettuce and salsify roots)	Observe plant response precautions.
	Aster leafhopper Lygus bugs	Spittlebugs	1 to 1 1/2		Treat on a 5 to 7 day schedule after heads begin to form.
	Armyworm Corn earworm Fall armyworm	Imported cabbage worm Stink bugs Tarnished plant bug	1 to 2	14 (dandelion, endive, escarole, leaf lettuce and salsify tops)	

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## FORAGE, FIELD AND VEGETABLE CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL ACRE	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS	
Pasture	Armyworm Black grass bugs Chinch bugs Essex skipper Fall armyworm Grasshoppers	Range caterpillar Range crane fly Striped grass looper Thrips	1 to 1 1/2	0 (aerial application) 14 (ground application)	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot. Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated pastures may be grazed or cut for hay on day of treatment. Carefully mark swaths to avoid over-application.
	Grasshoppers			Refer to general GRASSHOPPER section.	
Rangeland	Blackgrass bug Mormon cricket Range caterpillar Range crane fly		1/2 to 1	0	FOR AERIAL APPLICATION ONLY. Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Carefully mark swaths to avoid over-application.
	Grasshoppers				Refer to general GRASSHOPPER section.
Garden beet Spinach Swiss chard	Flea beetles Harlequin bug	Leafhoppers	1/2 to 1	3 (garden beet roots)	Treat on a 5 to 7 day schedule.
	Aster leafhopper		1 to 1 1/2	14 (garden beet tops, spinach, Swiss chard)	
	Armyworm Corn earworm Fall armyworm	Stink bugs Tarnished plant bug	1 to 2		
Okra	Corn earworm	Stink bugs	1 to 2	0	Treat on a 5 to 7 day schedule.
Peanuts	Blister beetles	Mexican bean beetle	1/2 to 1	0	Observe plant response precautions.
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle Leafhoppers	Rednecked peanut worm Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1		
	Armyworm Corn earworm Fall armyworm	Stink bugs Webworms	1 to 1 1/2		
	Cutworms	Whiteringed beetle (adults)	2		



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FORAGE, FIELD AND VEGETABLE CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL ACRE	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS
Peas	Colorado potato beetle      Leafhoppers	1	3	
	Armyworm	1 to 1 1/2		
	Alfalfa caterpillar      Pea weevil Cutworms                  Yellowstriped Pea leaf weevil              armyworm	1 1/2		
	Alfalfa looper	2 1/2		
				WASHINGTON STATE ONLY
Potato Tomato Eggplant Pepper	Colorado potato beetle      Flea beetles Leafhopper	1/2 to 1	0	
	European corn borer              Tarnished plant bug	1 to 2		
	Fall armyworm                  Tomato fruitworm Lace bugs                          Tomato hornworm Stink bugs                          Tomato pinworm			
	Cutworms	2		
Rice	Armyworm                  Fall armyworm Chinch bugs                  Stink bugs	1 to 1 1/2	14	<p><b>CAUTION:</b> May kill shrimp and crabs. Do not use in areas where these are important resources. Do not use on rice fields in which crayfish and catfish farming are included in the cultural practice. Do not apply propanil herbicides within 15 days before or after application of this product or plant injury will result.</p> <p>(Mississippi delta and Texas)</p>
	Armyworm                  Tadpole shrimp Leafhoppers	2		
Sorghums (milo, grain sorghum, sweet sorghum and hybrids)	Armyworm                  Fall armyworm Chinch bugs                  Stink bugs Corn earworm                  Webworms	1 to 2	21 (grain) 0 (forage)	<p>Direct spray into forming heads for optimum insect control. Treat for sorghum midge when 25 to 30 percent of heads have emerged from boot and are in bloom. Repeat application 3 to 5 days later if adults are still active. A third application may be necessary in late planted sorghum or if midge are abundant. For chinch bugs, use high ground application directed at the base of plants.</p>
	Sorghum midge Southwestern corn borer	1 1/2		
	Cutworms	2		

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## FORAGE, FIELD AND VEGETABLE CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL ACRE	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS
Soybeans	Bean leaf beetle Cucumber beetles Green cloverworm	Mexican bean beetle Velvetbean caterpillar	1/2	<p>Do not apply a combination of this product and 2,4-DB Herbicides to soybeans as crop injury may result.</p> <p>Use lower rates for light to moderate populations and smaller instars. Use the higher rates for heavy populations and larger instars.</p>
	Corn earworm		1/2 to 3/4 1 to 1 1/2	
	Blister beetles Grape colaspis	Mexican bean beetle	1/2 to 1	
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle Leafhoppers	Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1	
	Armyworm Cutworms	Fall armyworm Stink bugs Webworms	1 to 1 1/2	
	Painted lady (Thistle caterpillar)	Saltmarsh caterpillar Yellowstriped armyworm	2 to 2 1/2	
Sugar beets	Armyworm Beet leaf beetle Fall armyworm	Flea beetles Leafhoppers Webworms	1 to 1 1/2	
	Cutworms		1 1/2	
Sunflower	Cutworms		1 1/2	<b>DO NOT USE IN CALIFORNIA.</b>
	Armyworm Fall armyworm		1 1/2 to 2	
	Stem weevil	Sunflower beetle	1 to 2	
Sweet Potato	Corn earworm Cucumber beetles Flea beetles Sweet potato hornworm Tortoise beetles		1 to 2	<p><b>DO NOT USE IN CALIFORNIA.</b> Apply as a foliar spray as needed.</p> <p><b>Foliar Application:</b> Full coverage of plants is essential. Use lower rate on young plants and higher rate on mature plants.</p>
	Yellowstriped armyworm		2	
	Sweet potato weevil		1 to 2	
Tobacco	Tobacco flea beetle		2 Tbs/gallon or 1 qt/50 gal. and apply 6 gal/100 sq. yards	<p><b>In Plant Beds:</b> To prevent plant injury, avoid excessive applications.</p> <p>Apply only to areas that larvae have uprooted by sprinkling as a drench with 50 to 100 gallons per 100 square yards.</p>
	Green June beetle grubs		1/2 qt./100 gallons	

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### FORAGE, FIELD AND VEGETABLE CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL ACRE	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS
Tobacco	Budworms Fall armyworm Flea beetles Homworms Japanese beetle June beetle Suckfly	1 to 2	0	<b>In Fields:</b> Use lower rate on young plants (up to knee height). Use at least 10 gallons of prepared spray per acre. Begin treatments when worms are small. If late season applications are necessary, allow three days before priming or cutting.
Wasteland Rights-of-Way, Hedgerows, Ditchbanks, Roadsides	Black grass bugs Mormon Cricket Range caterpillars Range crane fly	1/2 to 1	0 (aerial application) 14 (ground application)	Apply a maximum of 2 applications per year. Allow at least 14 days between applications.  Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated areas may be grazed or cut for hay on day of treatment.  Carefully mark swaths to avoid over-application.
	Grasshoppers			Refer to general GRASSHOPPER section.
Wheat	Cereal leaf beetle	1	0 (forage)	<b>DO NOT USE IN CALIFORNIA.</b>
	Armyworm Fall armyworm	1 to 1 1/2	21 (grain)	Application is effective against eggs, larvae and adults.

### TREE FRUIT AND NUT CROPS

For dilute sprays apply the specified dosage per 100 gallons of water. For concentrate and aerial sprays increase the concentration of SEVIN® brand FL Carbaryl Insecticide in the spray mixture to apply an amount per acre equivalent to that in a dilute spray. The optimum spray gallonage will depend on tree size, density and stage of growth. Typical spray gallonages per acre range from 200-300 gallons for dilute sprays, 30-100 gallons for concentrate sprays and 10-25 gallons for aerial sprays. Do not exceed maximum label rate per acre per application.

CROP	QUARTS OF SEVIN® brand FL/ 100 GALLONS	PREHARVEST INTERVAL DAYS)	SPECIFIC DIRECTIONS
Apple Thinning (Apples only)	1/4 to 1/2	1	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 this product, exercise caution to avoid possible yield reduction.  Consult with your County Extension Service or other experts for advice on the proper use of this product.  For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton.  For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton.
	1/2 to 1	1	For difficult to thin varieties including Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turkey, Wealthy, Yellow Transparent and York Imperial.

### TREE FRUIT AND NUT CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL/ 100 GALLONS	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS																									
Almond	Peach twig borer San Jose scale Fruittree leafroller	1	28	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			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. Do not apply more than 5 quarts per acre.																									
Apples Pears	<table border="0"> <tr> <td>Apple aphid</td> <td>Lygus bugs</td> </tr> <tr> <td>Apple rust mite</td> <td>Orange Tortrix</td> </tr> <tr> <td>Apple sucker</td> <td>Oystershell scale</td> </tr> <tr> <td>Bagworms</td> <td>Pear leaf</td> </tr> <tr> <td>California pearslug (pear sawfly)</td> <td>blister mite</td> </tr> <tr> <td>Codling moth</td> <td>Pear psylla</td> </tr> <tr> <td>Eyespotted bug moth</td> <td>Pear rust mite</td> </tr> <tr> <td>Green fruitworm</td> <td>San Jose scale</td> </tr> <tr> <td>Lecanium scales</td> <td>Tentiform leaf-miners</td> </tr> <tr> <td>Lesser appleworm</td> <td>Woolly apple aphid</td> </tr> </table>	Apple aphid	Lygus bugs	Apple rust mite	Orange Tortrix	Apple sucker	Oystershell scale	Bagworms	Pear leaf	California pearslug (pear sawfly)	blister mite	Codling moth	Pear psylla	Eyespotted bug moth	Pear rust mite	Green fruitworm	San Jose scale	Lecanium scales	Tentiform leaf-miners	Lesser appleworm	Woolly apple aphid	3/4 to 1	1	<p><b>WEST OF THE ROCKY MOUNTAINS</b></p> <p>To avoid undesired apple thinning, delay use until at least 30 days after full bloom.</p> <p>For psylla control, apply when eggs hatch or young nymphs are present.</p>					
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Chestnuts	Chestnut weevil	2 to 3	0	<p><b>DO NOT USE IN CALIFORNIA.</b></p> <p>Make 4 applications at weekly intervals beginning in late July for adults chestnut weevil control. Last application should be made prior to shuck split.</p>																									

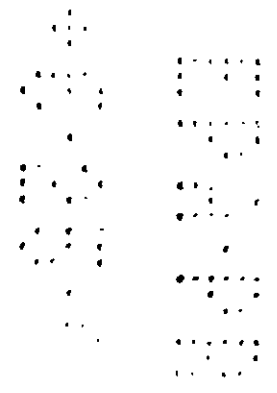
### TREE FRUIT AND NUT CROPS

CROP	INSECT	QUARTS OF SEVIN® brand FL/ 100 GALLONS	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS
Citrus Fruits (such as grapefruit, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats and hybrids)	Avocado leafroller California orangedog Citrus cutworm Citrus root weevil Fruittree leafroller	Orange tortrix Western tussock moth West Indian sugarcane borer (adults)	1	Do not apply more than 20 quarts of this product per acre per application.  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 leafroller Filbertworm	1	0	Apply when leafroller eggs are hatching. Repeat on first appearance of adult filbert moths and again 3 to 4 weeks later.
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. Do not apply more than 15 quarts of this product per acre per application.
Peaches Apricots Nectarines	Apple pandemis Codling moth Cucumber beetles European earwig Fruittree leafroller Japanese beetle June beetles Lecanium scales Lesser peachtree borer Olive scale	Orange tortrix Oriental fruit moth Peach twig borer Periodical cicada Plum curculio Redbanded leaf-roller San Jose scale Tarnished plant bug Tussock moths Variegated leafroller	1 (peaches) 3 (apricots & nectarines)	Do not apply more than 6 quarts of this product per acre per application to apricots.  For optimum scale control, apply when crawlers are present. Spray limbs and trunk thoroughly, weekly 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 Twig girdler Walnut caterpillar	1 to 2 1/2	Do not apply more than 7.2 quarts of this product per acre per application.
Pistachios	Navel orangeworm	1/2 to 2	14	Apply dilute volumes of 150 to 300 gallons of mixed spray per acre for full coverage at onset of hull split.

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### TREE FRUIT AND NUT CROPS

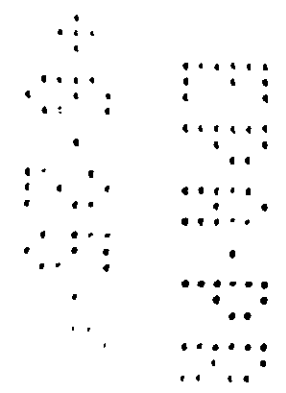
CROP	INSECT	QUARTS OF SEVIN® brand FL/ 100 GALLONS	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS
Plums Prunes Cherries	Black cherry aphid Brown soft scale Cherry fruitworm Cherry maggot European earwig Eyespotted bud moth Forbes scale Fruittree leafroller Green fruitworm Japanese beetle Lecanium scales Lesser peachtree borer Mealy plum aphid Oystershell scale Peach twig borer Plum curculio Prune leafhopper Redbanded leafroller Rose chafer San Jose scale Variegated leafroller	1	1	Do not apply more than 6 quarts of this product per acre per application.  For optimum scale control, apply when crawlers are present.  For lesser peachtree borer control, spray limbs and tree trunks thoroughly, weekly during moth flight.
	Codling moth Eastern tent caterpillar Orange tortrix Tussock moth	3/4		
Walnut	Calico scale European fruit lecanium Filbertworm Frosted scale Fruittree leafroller	1/2	0	Apply 1000 gallons of dilute spray per acre for mature trees.
	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.
	European earwig	2		Spray tree trunks to point of run-off.



## SMALL FRUIT CROPS

Recommended dosages refer to quarts of SEVIN® brand FL Carbaryl Insecticide per acre. The optimum spray gallonage will depend on plant size, density and stage of growth. Typical spray gallonage per acre range from 100-300 gallons for dilute sprays, 30-100 gallons for concentrate sprays and 10-25 gallons for aerial sprays. Do not exceed maximum label rate per acre per application.

CROP	INSECT		QUARTS OF SEVIN® brand FL/ 100 GALLONS	PREHARVEST INTERVAL DAYS	SPECIFIC DIRECTIONS
Blackberries Raspberries Dewberries (including Boysenberries and Loganberries)	European raspberry aphid	Leafhoppers Leafrollers Rose chafer Snowy tree cricket	1 to 2	7	CALIFORNIA ONLY
	Japanese beetle		2		
Blueberries	Blueberry maggot Cherry fruitworm Cranberry fruitworm	European fruit lecanium Japanese beetle	1 1/2 to 2	0	Apply 3 weeks before harvest and repeat as necessary.
Cranberries	Cutworms Cranberry fireworms Cranberry fruitworms	Japanese beetle Leafhoppers Rose chafer	1 1/2 to 3	1	<b>CAUTION:</b> May kill shrimp and crabs. Do not use in areas where these are important resources. Apply in late bloom and as needed at 7 to 10 day intervals.
Grapes	European fruit lecanium Grape leafroller Grape leafhopper	Western grapeleaf skeletonizer Western yellow-striped armyworm	1 to 2	7	Apply before first brood leafroller larvae emerge from rolls.
	Cutworms Eight-spotted forester Grape berry moth Japanese beetles June beetles	Orange tortrix Omnivorous leafroller Redbanded leafroller Saltmarsh caterpillar	2		
Strawberries	Flea beetles Meadow spittlebug Omnivorous leafhopper (strawberry fruitworm)	Strawberry leafroller Strawberry weevil	1 to 2	1	Carbaryl may injure Early Dawn and Sunrise varieties on the Delmarva Peninsula.



## TREES AND ORNAMENTALS

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 FL Carbaryl Insecticide per gallon of water, where rates of 1 quart are indicated. For aerial applications to forest trees (including shade trees, shelter belts, plantations, parks and recreational areas) and commercially grown ornamentals, woody plants and shrubs, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage. Avoid direct application to lakes, streams and ponds.

CROP	INSECTS	QUARTS OF SEVIN® brand FL/ ACRE OR 100 GAL.	SPECIFIC DIRECTIONS
<p><b>GROUND APPLICATION:</b> Trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas). Ornamentals (including roses, flowers and other herbaceous plants), Woody Plants and Shrubs.</p> <p><b>AERIAL APPLICATION:</b> Forest Trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas) and commercially grown Ornamentals (including roses, flowers and other herbaceous plants, Woody Plants and Shrubs</p>	<p>Ants Apple aphid Armyworm Azalea leaf-miner Bagworms Birch leafminer Blister beetle Boxelder bug Boxwood leaf-miner Brown tail moth Cankerworms Catalpa sphinx Chiggers Cooley spruce gall aphid Cutworms Cypress tip moth Douglas-fir tussock moth Eastern spruce gall aphid Elm leaf aphid Elm leaf beetle Elm spanworm Eriophyid mites European pine shoot moth Fall armyworm Flea beetles Fuller rose beetle Gall midges Gall wasps Green striped mapleworm</p> <p>Grasshoppers Gypsy moth Hackberry nippegall maker Holly bud moth Holly leafminer Jackpine budworm Japanese beetle Jeffrey pine needleminer June beetles Lace bugs Leafhoppers Leafrollers Locust borer Maple leafcutter Mealybugs Mimosa webworm Nantucket pine tip moth Oak leafminers Oak leaf skeletonizer Oakworm complex Oleander caterpillar Olive ash borer Orange-striped oakworm Orange tortrix Periodical cicada Pine sawfly Pine spittlebug Pitch pine tip moth</p> <p>Plant bugs Poinsettia hornworm Psyllids Puss caterpillar Redhumped oakworm Rose aphid Rose chafer Roseslug Saddled prominent Sawflies (exposed) Scale insects Sowbugs Spiney elm caterpillar Springtails Spruce budworm Spruce needle-miner Subtropical pine tip moth Tent caterpillars Thorn bug Thrips (exposed) Ticks Walnut caterpillar Webworms Western hemlock looper Western spruce budworm Willow leaf beetles Yellow poplar weevil</p>	<p style="text-align: center;">1</p>	<p>Observe plant response precautions.</p> <p>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.</p> <p>For optimum worm control, treat when in early instars. Addition of a sticker may improve residual control.</p>



CROP	INSECTS	QUARTS OF SEVIN® brand FL/ ACRE OR 100 GAL.	SPECIFIC DIRECTIONS
TREES AND ORNAMENTALS (cont)	Ips engraver beetle Mountain pine beetle Roundheaded pine beetle Western pine beetle	20	Effective as a preventive treatment only. Repeat annually as required to prevent beetle attacks.  Apply 1 gallon of spray per 50 square feet of bark in late May to early July, or prior to beetle attack. Treat tree trunks from ground level up, until trunk diameter is less than 5 inches.
	Elm 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**

SITE	INSECTS	SPECIFIC DIRECTIONS
Lawns and Recreational Areas (including turf, golf courses and parks)	Ants Armyworm Bluegrass billbug Centipedes Chiggers Cutworms Earwigs Essex Skipper European chafer Fall armyworm Flies Grasshoppers	Use 1 quart of this product in 150 to 200 gallons of spray mixture per 5,000 square feet of established lawn, recreational area, roadway or path border. For best results, mow lawn and apply after watering or rain. Insure good penetration of turf. Garden hose or pressure applications may be used. Repeat 2 to 3 weeks later if necessary.
	June beetles Leafhoppers Lucerne moth Millipedes Mosquitoes Sod webworm (lawn moths) Sowbugs Springtails Ticks Yellowstriped armyworm	
	Chinch bugs White grubs	Use 1 1/2 quarts of this product in 150 to 200 gallons of spray per 5,000 square feet.

**IMPORTED FIRE ANT CONTROL**

To prepare small amounts, use 1 tablespoon (1/2 fluid ounce) of SEVIN® brand FL Carbaryl Insecticide per gallon of water.

SITE	QUARTS OF SEVIN® BRAND FL/ 100 GALLONS OF WATER	SPECIFIC DIRECTIONS
Lawns, Cemeteries Recreational Areas (including turf, golf courses and parks) pastures, rangeland, forested lands and wastelands	1 1/2	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 3 feet to give sufficient force to break mound apex and flow into ant tunnels. For best results, apply in cool weather, 65 to 80° 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.

### 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 FL Carbaryl Insecticide per gallon of water, where rates of 1 quart are indicated.

For aerial applications to forest trees (including shade trees, shelter belts, plantations, parks and recreational areas) and commercially grown ornamentals, woody plants and shrubs, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage. Avoid direct application to lakes, streams and ponds.

SITE	QUARTS OF SEVIN® BRAND FL/100 GAL.	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 tablespoonful per gallon)	<p><b>CAUTION:</b> May kill shrimp and crabs. Do not use in areas where these are important resources.</p> <p><b>OBSERVE BEE CAUTION</b></p> <p>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.</p> <p>Use 1/4 to 1/2 quart per 100 gallons in mistblowers, 1/2 to 1 quart per acre in aerial sprays and 1 quart per acre in low pressure ground sprayers.</p>
	25	For residual control in subtropical regions apply 4 gallons of prepared spray per 2,000 square feet of surface area. Repeat in 3 to 6 months or when necessary.

### PEST CONTROL AROUND BUILDINGS LIMITED TO PEST CONTROL OPERATORS ONLY

INSECT	QUARTS OF SEVIN® BRAND FL/ 100 GAL.	SPECIFIC DIRECTIONS
Ants Cockroaches	20 (20 tablespoonsful/gallons)	<p>For external use around buildings only. Do not treat animals.</p> <p>Apply as a course wet spray or with a paint brush to outdoor sleeping quarters of pets, outside perimeter of dwellings and other areas where insects tend to congregate.</p>
Brown dog tick Earwigs Fleas Millipedes Silverfish Spiders	10 (10 tablespoonsful/gallons)	<p>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.</p> <p>Avoid application to surfaces where visible spray residues are objectionable.</p>

### POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY QUARTERS	QUARTS OF SEVIN® BRAND FL/ 100 GAL.	SPECIFIC DIRECTIONS
Bed bugs Chicken mite Fleas Lice Northern fowl mite	4	<p><b>DO NOT TREAT POULTRY OR GAME BIRDS.</b></p> <p>Apply 2 to 2 1/2 gallons of spray mixture per 1,000 square feet of wall, litter or roost surface. Force spray into cracks. Repeat as needed. Avoid spraying roosts, eggs and feeding and watering troughs. Ventilate while spraying. Do not treat premises within 7 days of slaughter.</p>
Fowl tick	16	
Lesser	50	Apply 2 gallons of spray mixture per 1,000 square feet of floor space or litter surface. Repeat as needed. Ventilate while spraying. Do not treat premises within 7 days of slaughter.

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## LIMITED WARRANTY AND DISCLAIMER

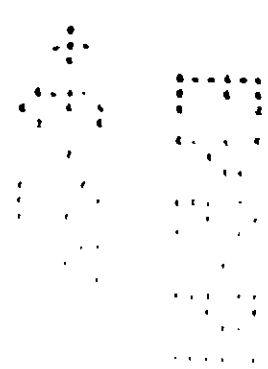
The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements 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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