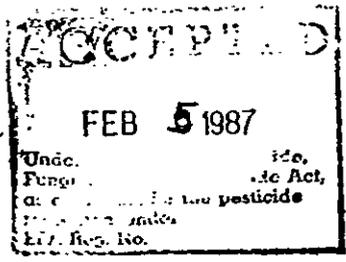


SEVIN® brand 4F
Carbaryl Insecticide



For Agricultural Or Commercial Use Only

ACTIVE INGREDIENTS:

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

INERT INGREDIENTS:57% by Wt.

(Contains 4 pounds Carbaryl per Gallon)

E.P.A Reg No. 264-349

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

KEEP OUT OF REACH OF CHILDREN

CAUTION CUIDADO

See Inside Booklet for Additional PRECAUTIONARY STATEMENTS

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

IN CASE OF EMERGENCY TELEPHONE (24 HOURS A DAY) IN THE U.S.A.
1-800-UCC-HELP.
FOR GENERAL INFORMATION CALL 1-800-334-9745.

NET CONTENTS: _____

Made in U.S.A.

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

Copyright ©1986 Union Carbide Agricultural Products Company, Inc.

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

APC Form No. _____

0415G/6-24-86

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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

ANTIDOTE STATEMENT

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

STATEMENT OF PRACTICAL TREATMENT

GENERAL

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

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

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

IF ON SKIN: Wash thoroughly with soap and water.

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

NOTE TO PHYSICIAN

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

Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent overatropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

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

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

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

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water and wetlands except under forest canopy and use on rice. 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 Union Carbide Agricultural Products 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 CAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS. DO NOT USE ON ANY CROP NOT LISTED ON THIS LABEL OR SUPPLEMENTAL LABELING AS ANY RESIDUES REMAINING MAY BE ILLEGAL OR HARMFUL.

GENERAL INFORMATION

SEVIN® brand 4F 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 by ground or air and with hand or power-operated sprayers.

GENERAL WORKER PROTECTION STATEMENT

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

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

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

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Advise workers to stay out of treated areas until spray deposits have dried unless suitable clothing is worn. This includes regular long-sleeved (overhead applications) and long-legged work clothing. See PRECAUTIONARY STATEMENTS, STATEMENT OF PRACTICAL TREATMENT and NOTE TO PHYSICIAN for additional information. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: appropriate signal word (CAUTION), area treated with SEVIN® brand 4F 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. 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 (except alfalfa). Application may be made without removing livestock from area being treated. Do not apply at greater rates or at more frequent intervals than is stated on the label. To do so may result in illegal residues in crops, meat, and milk. 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.

Carefully observe label instructions for apple thinning to avoid excessive thinning. Combinations with certain herbicides on rice and soybeans may be phytotoxic. Refer to specific directions for appropriate crop.

SPRAY PREPARATION

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

COMPATIBILITY

SEVIN® brand 4F Carbaryl Insecticide, when diluted with at least an equal volume of water, is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil or aromatic solvents. If compatibility with another product and the resulting crop response is unknown, the mixture should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. Incompatibility will reduce insect control and may cause application and handling difficulties or plant injury. Observe all cautions and limitations on labeling of all products used in mixtures. WHEN PREPARING COMBINATION SPRAYS, FIRST ADD SEVIN® BRAND 4F 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, Colorado potato beetle, spotted tentiform leafminer, and tobacco budworm (on cotton) to carbaryl. If local experience indicates inadequate control, use an alternative pesticide.

0415G/6-24-86

FORAGE, FIELD AND VEGETABLE CROPS

Apply in sufficient spray volume to obtain thorough coverage. Do not dilute greater than 1:39 (volume product to water) where washoff resistance is desired. Where maximum washoff resistance is needed, do not exceed a 1:1 dilution. For large volumes of spray mixture use 1 tablespoonful (1/2 fluid ounce) of SEVIN brand 4F Carbaryl insecticide per gallon at rates of 1 quart per acre or 1 quart per 100 gallons are indicated in the tables below.

GRASSHOPPERS

CROP	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
All Forage, Field and Vegetable Crops on this label	1/2 to 1 1/2 (unless noted otherwise)	See specific Forage, Field or Vegetable Crops	Use 1/2 to 3/4 quart per acre on plants or sparse vegetation in rangeland, ditchbanks, etc. Apply to 1 1/2 quarts for applications to dense stands. For extended residual control, use certain spray volumes to assure adequate coverage.

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Alfalfa Clovers Birdsfoot trefoil (DO NOT USE ON BIRDSFOOT TREFOIL IN CALIFORNIA)	Blister beetles	1/2 to 1	0 (clovers, birdsfoot trefoil) 7 (alfalfa)	OBSERVE BEE CAUTION
	Mexican bean beetle			Observe plant response
	Alfalfa caterpillar	1		Carbaryl may cause injury to tender alfalfa foliage.
	Bean leaf beetle			
	Cucumber beetles			
	Green cloverworm			
	Japanese beetle			
	Grasshoppers	1/2 to 1 1/2		Refer to general GRASSHOPPERS table above

CROP	INSECT		QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Alfalfa Clovers Birdsfoot trefoil (Cont'd)	Alfalfa blotch leafminer	European alfalfa beetle	1 to 1 1/2	0 (clovers, birdsfoot trefoil)	On dense growth use 20 to 40 gallons per acre with ground equipment to ensure adequate coverage.	
	Armyworm Cloverhead weevil Corn earworm Cutworms Egyptian alfalfa weevil larvae Essex skipper	Fall armyworm Lygus bugs Stink bugs Webworms Yellowstriped armyworms		7 (alfalfa)		
	Alfalfa weevil larvae West of the Rocky Mountains East of the Rocky Mountains		1 to 1 1/2 1 1/2		For alfalfa weevil larvae, if pretreat- ment damage is extensive, cut alfalfa and treat the stubble.	
Asparagus	Asparagus beetle		1 to 2	1	Treat ferns or brush growth. Do not treat more than once every 3 days.	
	Apache cicada Asparagus beetle		2 to 4	Post harvest application only		
Beans (including blackeyed peas, cowpeas, southern peas, dry beans, green beans, lima beans, navy beans and snap beans) Lentils (DO NOT USE ON LENTILS IN CALIFORNIA)	Blister beetles Mexican bean beetle		1/2 to 1		Observe plant response precautions.	
	Alfalfa caterpillar	Leafhoppers Three cornered alfalfa hopper	1	0 (except cowpeas and lentils)		
	Bean leaf beetles Cucumber beetles Flea beetles Green cloverworm Japanese beetle	Thrips Velvetbean caterpillar Western bean cutworm		3 (cowpeas) 7 (lentils)		
	Grasshoppers		1/2 to 1 1/2		Refer to general GRASSHOPPER heading above.	
	Armyworm Corn earworm Cutworms European corn borer	Fall armyworm Stink bugs Tarnished plant bug Webworms	1 to 1 1/2			
	Alfalfa looper		1 1/2			
	Cowpea curculio		2			
	Corn earworm Limabean podborer	Lygus bugs Stink bugs	2			
						CALIFORNIA ONLY

CROP	INSECT		QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cabbage	Flea beetles	Harlequin bug	1/2 to 1	3	
Broccoli	Armyworm	Imported cabbage-			
Brussels sprouts	Corn earworm	worm	1 to 2		
Cauliflower	Diamondback moth				
Kohlrabi	Fall armyworm				
Chinese cabbage	Flea beetles	Leafhoppers		3	
Collards	Harlequin bug		1/2 to 1	(horseradish, radishes, ruta- bagas and turnip roots)	
Hanover salad					
Horseradish					
Kale					
Mustard greens	Aster leafhopper		1 to 1 1/2	14	
Radishes				(Chinese cab- bage, collards, Hanover salad, kale, mustard greens, and turnip tops)	
Rutabagas	Armyworm	Imported			
Turnips	Corn earworm	cabbageworm	1 to 2		
	Fall armyworm	Stink bugs			
		Tarnished plant bug			
Carrots				0	
Celery	Flea beetles	Leafhoppers	1/2 to 1	(carrots)	
Parsley					
Parsnips	Aster leafhopper	Spittlebugs	1 to 1 1/2	3	
(DO NOT USE ON CELERY IN CALIFORNIA)	Lygus bugs			(parsnips)	Treat on a 5 to 7 day schedule.
	Armyworm	Stink bugs		14	
	Corn earworm	Tarnished plant	1 to 2	(celery & parsley)	
	Fall armyworm	bug			

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Corn (field, sweet, pop)	Armyworm Chinch bugs Corn earworm Corn rootworm adults Fall armyworm	Flea beetles Japanese beetle Sap beetles Southwestern corn borer Leafhoppers	1 to 2	0	OBSERVE BEE CAUTION 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. Refer to general GRASSHOPPER heading above For optimum control, do not apply in less than 3 gallons of water per acre by air and 15 gallons of water per acre by ground. For optimum control, apply in a 12 inch band, over the row, using sufficient volume of water to obtain thorough coverage. For broadcast application use at least 20 gallons (ground) or 5 gallons (air) of water per acre.
	Grasshoppers	1/2 to 1 1/2			
	European Corn borer	1 1/2 to 2			
	Western bean cutworm	2			
	Cutworms	2 to 3			
Cotton	Cotton fleahopper Cotton leafworm Flea beetles	Striped blister beetle Thrips	1/2 to 1	7	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. For light to moderate populations in Western irrigated cotton.
	Boll weevil Cotton bollworm Fall armyworm Leafrollers Leafhoppers	Tarnished plant bug Yellowstriped armyworm (cotton cutworm)	1 to 2		
	Lygus bugs		1 to 2		

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cotton (cont'd)	Pink bollworm	1 1/2 to 2 1/2		Aphid populations will be suppressed by repeated applications of this insecticide.
	Cutworms Stink bugs	Saltmarsh caterpillar 2		
Cucumber Melons Pumpkin Squash	Pickleworm	Melonworm 1/2 to 1		Observe plant response precautions.
	Cucumber beetles Flea beetles	Leafhoppers Squash bugs 1	0	
Dandelion Endive (Escarole) Lettuce Salsify	Flea beetles Harlequin bug	Leafhoppers 1/2 to 1	3 (head lettuce & salsify roots)	Observe plant response precautions. Treat on a 5 to 7 day schedule after heads begin to form.
	Aster leafhopper Lygus bugs	Spittlebugs 1 to 1 1/2	14 (dandelion, endive (escarole), leaf lettuce & salsify tops)	
	Armyworm Corn earworm Fall armyworm	Imported cabbageworm Stink bugs Tarnished plant bug 1 to 2		
Flax Proso Millet (DO NOT USE IN CALIFORNIA)	Armyworm	1 to 1 1/2	42	Do not graze treated areas or harvest for dairy feed prior to crop maturity.
	Grasshopper	1/2 to 1 1/2		Refer to the general GRASSHOPPER heading above.
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.

CROP	INSECT	Q'ARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Pasture	Armyworm Black grass bugs Chinch bugs Essex skipper Fall armyworm	Range cater- pillar Range crane fly Striped grass looper Thrips	1 to 1 1/2	0 (aerial applications) 14 (ground applications)	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot. Apply a minimum 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 swath to avoid over- application.
	Grasshoppers		1/2 to 1 1/2	Refer to the general GRASSHOPPER heading above.	
Peanuts	Blister beetles	Mexican bean beetle	1/2 to 1	Observe plant response precautions.	
	Alfalfa cater- pillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle leafhoppers	Rednecked peanutworm Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1		
	Armyworm Corn earworm Fall armyworm	Stink bugs Webworms	1 to 1 1/2		
	Whitefringed beetle adults Cutworms		2		
Peas	Colorado potato beetle Leafhoppers		1	3	
	Armyworm		1 to 1 1/2		
	Alfalfa cater- pillar Cutworms Pea leaf weevil	Pea weevil Yellowstriped armyworm	1 1/2		
	Alfalfa looper		2 1/2		
					WASHINGTON STATE ONLY

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Potato Tomato Eggplant Pepper	Colorado potato beetle Flea beetles Leafhoppers European corn borer Fall armyworm Lace bugs Stink bugs (suppression) Cutworms	1/2 to 1 Tarnished plant bug Tomato fruitworm Tomato hornworm Tomato pinworm 2	0	Thorough coverage is essential to effectively suppress stink bugs. When disease transmission is suspected, monitor fields following application and re-treat if reinfestation occurs.
Prickly Pear cactus	Cochineal scale (crawlers)	2	1	Apply as needed at 7-10 day intervals. Do not make more than 7 applications per season.
Rangeland	Black grass bug Mormon cricket Range caterpillars Range crane fly Grasshoppers	1/2 to 3/4 1/2 to 1 1/2	0	FOR AERIAL APPLICATIONS ONLY. Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Carefully mark swaths to avoid over-application. Refer to the general GRASSHOPPER heading above.
Rice	Armyworm Chinch bugs Grasshoppers Armyworm Leafhoppers	Fall armyworm Stink bugs 1/2 to 1 1/2 Tadpole shrimp 2	14	<u>MISSISSIPPI DELTA & TEXAS.</u> CAUTION: 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. Refer to the general GRASSHOPPER heading above. <u>CALIFORNIA ONLY.</u> For optimum tadpole shrimp control apply to water when pest first appears.

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Sorghum (milo, grain sweet and hybrid)	Sorghum midge	3/4 to 1	21 (grain) 0 (forage)	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 gallonage ground application directed at the base of plants. This product will not effectively control the Southern green stink bug.
	Armyworm	1 to 2		
	Chinch bugs	Fall armyworm Stink bugs		
	Corn earworm	Webworms		
	Southwestern corn borer	1 1/2		
	Cutworms	?		
	Grasshoppers	1/2 to 1 1/2		Refer to the general GRASSHOPPER heading above.
Soybeans	Bean leaf beetle	Japanese beetle	0	DO NOT APPLY A COMBINATION OF THIS PRODUCT AND 2,4 DB HERBICIDES TO SOYBEANS AS CROP INJURY MAY RESULT. Use lower rates for light to moderate populations and smaller instars and to provide maximum survival of beneficial insects and spiders. Use the higher rates for heavy populations and larger instars.
	Blister beetle	Mexican bean beetle		
	Cucumber beetles	beetle		
	Grape colaspis	Velvetbean caterpillar		
	Green cloverworm			
	Corn earworm	1/2 - 1 1/2		
	Grasshoppers	1/2 to 1 1/2		
	Alfalfa caterpillar	Three cornered alfalfa hopper		
	Leafhoppers	Thrips		
	Armyworm	Fall armyworm		
Cutworms	Webworms	1 to 1 1/2		
	Painted lady (Thistle caterpillar)	Woollybear caterpillar	1 1/2 to 2	
Saltmarsh caterpillar	Yellowstriped armyworm			
Sugar beets	Armyworm	Flea beetles	14	Refer to general GRASSHOPPER heading above.
	Beet leaf beetle	Leafhoppers		
	Fall armyworm	Webworms		
	Grasshopper	1/2 to 1 1/2		
	Cutworms	1 1/2		

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Sunflower (DO NOT USE IN CALIFORNIA)	Cutworms	1 1/2	60		
	Armyworm	1 1/2 to 2			
	Fall armyworm				
	Sunflower moth				
	Stem weevil	Sunflower beetle	1 to 2		
	Grasshopper	1/2 to 1 1/2		Refer to general GRASSHOPPER heading above.	
Sweet Potato (DO NOT USE IN CALIFORNIA)	Corn earworm	Sweet potato hornworm	1 to 2	0	Apply as a foliar spray as needed.
	Cucumber beetles	Tortoise beetles			
	Flea beetles				
	Yellowstriped armyworm		2		
	Sweet potato weevil		1 to 2		Full coverage of plants is essential. Use lower rate on young plants and higher rate on mature plants.
Tobacco Plant bed Treatment	Flea beetle		1	0	OBSERVE PLANT RESPONSE PRECAUTIONS. For flea beetle control, use 4 teaspoons (0.7 fl. oz.) in 6 gallons of water and apply to 100 square yards.
	Green June beetle grubs		8		
Field Treatment	Budworms	Japanese beetle	1 to 2		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.
	Fall armyworm	June beetle			
	Flea beetles	Suckfly			
	Hornworms				

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Wasteland, Rights-of- Way, Hedge- rows, Ditch- banks, Road- sides	Black grass bug	1/2 to 1	0 (aerial applications)	Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Mormon cricket Range caterpillars Range crane fly		14 (ground applications)	
	Grasshoppers	1/2 to 1 1/2		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. Refer to the general GRASSHOPPER heading above.
Wheat (including triticale) (DO NOT USE IN CALIFORNIA)	Flea beetles	1/2 to 1		Refer to the general GRASSHOPPER heading above.
	Grasshoppers	1/2 to 1 1/2		
	Cereal leaf beetle	1	0 (forage)	Application is effective against eggs, larvae and adult of the cereal leaf beetle.
	Armyworm	Fall armyworm	1 to 1 1/2	

TREE FRUIT AND NUT CROPS

Apply the recommended amount of SEVIN brand 4F Carbaryl Insecticide in 100 gallons of water. Use hand or power-operated sprayer to wet leaves and branches to the dripping point.

APPLE THINNING

CROP	QUARTS OF "SEVIN" BRAND 4F/ 100 GAL.	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Apples	1/4 to 1/2	1	<p>OBSERVE BEE CAUTION. Apply 1 full coverage dilute 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 your County Extensions Service or other experts for advice on the proper use of this product.</p> <p>In Eastern apple growing areas, tank mix combinations of Carbaryl and Naphthalenacetic Acid (NAA) or Naphthaleneacetamide (NAD) have successfully thinned several early-maturing, heavy-setting 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 easily thinned varieties including Cortland, Grimes, Johathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton.</p>
	1/2 to 1	1	<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>

CROP	INSECT	QUARTS OF SEVIN BRAND 4F/ 100 GALS.	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Almond	Fruittree 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.	
	Naval 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.	
Apples Pears	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 Fruittree leafroller Green fruitworm Gypsy moth Japanese beetle Lecanium scales Lesser appleworm	Lygus bugs Orange tortrix Oystershell scale Pearleaf blister mite Pear psylla Pear rust mite Periodical cicada Plum curculio Redbanded leaf- roller Rosy apple aphid San Jose scale Tarnished plant bug Tentiform leaf- miners Woolly apple aphid Yellowheaded fireworm	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 scale insects, apply when crawlers are present.
	Apple mealybug Apple aphid Codling moth	White apple licehopper	1/2		

CROP	INSECT	QUARTS OF SEVIN BRAND 4F/ 100 GALS.	PREHARVEST 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 orangedog Citrus cutworm Citrus root weevil Fruit tree leafroller	Orange tortrix Western tussock moth West Indian sugarcane borer (adults)	1 5	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 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. Apply dilute sprays in 300-400 gallons per acre.
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.

CROP	INSECT	QUARTS OF SEVIN BRAND 4F/ 100 GALS.	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Walnut	Calico scale European fruit lecanium	Hilbertworm 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.
	Codling moth		1/2		
	Naval Orangeworm		1		
	European earwig		2		Spray tree trunks to point of run-off.

SMALL FRUIT CROPS

Recommended dosages refer to quarts of SEVIN brand 4F 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 5-25 gallons for aerial sprays. Do not exceed maximum label rate per acre per application.

CROP	INSECT		QUARTS OF "SEVIN" BRAND 4F/ ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Blackberries Raspberries Dewberries (including boysenberries and loganberries)	European raspberry aphid	Leafrollers Rose chafer	1 to 2	7	
	Japanese beetle Leafhoppers	Snowy tree cricket			
	Omnivorous leafroller Raspberry sawfly		2		CALIFORNIA ONLY
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 Cranberry twig girdler	Elm spanworm Japanese beetle Leafhoppers Rose chafer Spaganothus worm	1 1/2 to 3	1	CAUTION: 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	0	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 (strawberry fruitworm) Omnivorous leafhopper Strawberry clipper	Strawberry bud weevil Strawberry leafroller Strawberry weevil	1 to 2	1	Carbaryl may injure Early Dawn and Sunrise varieties.

TREES AND ORNAMENTALS

For control of certain insects on trees, ornament, woody plants and shrubs, apply the recommended amount of SEVIN brand 4F Carbaryl insecticide in 100 gallons of water. Use hand or power-operated sprayer to wet leaves and twigs to the dripping point. Do not use on Boston ivy, Virginia creeper and maidenhair fern. During early season it may also injure Virginia and sand pines.

INSECT	QUARTS OF SEVIN BRAND 4F/ 100 GAL	SPECIFIC DIRECTIONS	
Ants Apple aphid Armyworm Azalea leaf-miner Bagworms Birch leafminer Blister beetle Boxelder bug Boxwood leaf-miner Brown tail moth Cankerworms Catalpa sphinx Chiggers Cutworms Cypress tip moth Eastern spruce gall adelgid Elm leaf aphid Elm leaf beetle Elm spanworm Eriophyid mites European pine shoot moth Fall armyworm Flea beetles Fuchsia gall mite Fuller rose beetle Gall midges Gall wasps Greenstriped mapleworm Grasshoppers Gypsy moth Hackberry nippligall maker	Holly bud moth Holly leafminer Jackpine bud-worm 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 Oak moth Oakworm complex Oleander caterpillar Olive ash borer Orangestriped oakworm Orange tortrix Periodical cicada Pine looper Pine sawfly Pine spittlebug Pitch pine tip moth Plant bugs Pinussetia hornworm	Psyllids Puss caterpillar Redhumped oakworm Rose aphid Rose chafer Roseslug Saddled prominent Sawflies (exposed) Scale insects Sowbugs Spiny elm caterpillar Springtails Spruce needle-miner Subtropical pine tip moth Tent caterpillars Thrips (exposed) Ticks Tree hoppers Walnut caterpillar Webworms Western hemlock looper Willow leaf beetles Yellow poplar weevil	Observe plant response precautions. Apply dilute sprays to obtain thorough coverage of upper and lower leaf surfaces. To control scale insects, treat trunks, stems and twigs in addition to plant foliage. For optimum worm control, treat when in early instars. Addition of a sticker may improve residual control. Applications for control of maple leafcutter on sugar maple should be made when larvae are in 2nd instar after mining and as cases are being formed. DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.

TREES AND ORNAMENTALS (CONT'D)

INSECT	QUARTS OF SEVIN BRAND 4F/ 100 GALS.	SPECIFIC DIRECTIONS
Balsam twig aphid Cooley spruce gall adelgid Douglas-fir tussock moth	1 to 2	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	16	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.
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

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

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

SITE	INSECT	AMOUNT OF SEVIN BRAND 4F		SPECIFIC DIRECTIONS	
		FL. OZ./ 1000 SQ. FT.	QUARTS/ ACRE		
Turf grasses	Ants Armyworm Centipedes Chiggers Cutworms Earwigs Essex skipper European chafer Fall armyworm Fiery skipper Grasshoppers Green June beetle grub	June beetles Leafhoppers Lucerne moth Millipedes Mosquitoes (adults) Sowbugs 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 (lawn 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.
	Bluegrass billbug European crane fly Fleas		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.

LAWNS AND RECREATIONAL AREAS (CONT'D)

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

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

SITE	INSECT	AMOUNT OF SEVIN BRAND 4F		SPECIFIC DIRECTIONS
		FL. OZ./ 1000 SQ. FT.	QUARTS/ ACRE	
	White grubs (such as Japanese beetle, Chafer beetle and <u>Phyllophaga</u> spp. larvae)	6	8	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 recom- mended by local Agricultural Extension Service agents. Water or irrigate turf grasses thoroughly soon after treatment.

IMPORTED FIRE ANT CONTROL

SITE	AMOUNT OF SEVIN BRAND 4F/ 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. DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.
Nursery Stock, Vegetable Transplants, Foliage Plants and Bedding Plants	1 1/2 quarts/ 100 gallons	DO NOT USE ON ANY FOOD CROP NOT LISTED ON LABEL. 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.

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 4F Carbaryl Insecticide per gallon of water, where rates of 1 quart are indicated.

CROP	QUARTS OF "SEVIN" BRAND 4F/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)	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 these 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, 1/2 to 1 quart per acre in aerial sprays and 1 quart per acre in low pressure ground sprayers.
	25	For residual control in subtropical regions apply 4 gallons of prepared spray per 2000 square feet of surface area. Repeat in 3 to 6 months or when necessary.

POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY QUARTERS	QUARTS OF "SEVIN" BRAND 4F/100 GAL.	SPECIFIC DIRECTIONS
Bed bugs Chicken mite Fleas Lice Northern fowl mite	4	DO NOT TREAT POULTRY OR GAME BIRDS. Apply 1 to 2 gallons of spray mixture per 1000 square feet of wall, litter or roost surface. Force spray into cracks. Repeat as needed. Avoid spraying nests, eggs and feeding and watering troughs.
Fowl tick	16	Ventilate while spraying. Do not treat premises within 7 days of slaughter.
Lesser mealworms	50	Apply 2 gallons of spray mixture per 1000 square feet of floor space or litter surface. Repeat as needed. Ventilate while spraying. Do not treat premises within 7 days of slaughter.

A LARGER VOLUME OF A MORE DILUTE SOLUTION PER UNIT TIME.
APPLICATION OF MORE THAN LABEL RECOMMENDED QUANTITIES OF IRRIGATION WATER PER ACRE MAY RESULT IN DECREASED PRODUCT PERFORMANCE.

APPLY "SEVIN®" BRAND 4F CARBARYL INSECTICIDE ONLY THROUGH PROPERLY MAINTAINED IRRIGATION SYSTEMS WITH ACCEPTABLE PESTICIDE APPLICATION AND SAFETY EQUIPMENT. PUMPED OR PRESSURIZED SYSTEMS MUST CONTAIN OPERATING ANTI-SIPHON CHECK VALVE(S), VACUUM BREAKER(S), AND LOW PRESSURE DRAIN(S) TO PREVENT SOURCE WATER CONTAMINATION. PESTICIDE-CONTAINING LINES, BETWEEN THE PESTICIDE INJECTION SYSTEM AND IRRIGATION SYSTEM, MUST CONTAIN OPERATING VALVE(S) TO PREVENT MATERIAL MOVEMENT WHEN THE APPLICATION IS STOPPED. ONLY SYSTEMS WHICH CONTAIN EITHER CONTROLS TO AUTOMATICALLY SHUT OFF PESTICIDE INJECTION WHEN WATER FLOW RATE CHANGES OR WHICH ARE CONTINUOUSLY MONITORED SHOULD BE USED.

A POSITIVE DISPLACEMENT PUMP SHOULD BE USED TO INJECT "SEVIN®" BRAND 4F CARBARYL INSECTICIDE INTO THE MAIN LINE AHEAD OF A RIGHT ANGLE TURN TO INSURE ADEQUATE FORMULATION BREAK-UP AND MIXING. SYSTEMS NOT USING INJECTION PUMPS REQUIRE AT LEAST HOURLY CALIBRATION.

DO NOT APPLY WHEN WIND SPEED FAVORS DRIFT, WHEN SYSTEM CONNECTIONS OR FITTINGS LEAK, WHEN NOZZLES DO NOT PROVIDE UNIFORM DISTRIBUTION OR WHEN LINES CONTAINING THE PRODUCT MUST BE DISMANTLED AND DRAINED.

WHERE SPRINKLER DISTRIBUTION PATTERNS DO NOT OVERLAP SUFFICIENTLY, UNACCEPTABLE INSECT CONTROL MAY RESULT. WHERE SPRINKLER DISTRIBUTION PATTERNS OVERLAP EXCESSIVELY, PLANT INJURY MAY RESULT ON SENSITIVE CROPS.

ALLOW SUFFICIENT TIME FOR PESTICIDE TO BE FLUSHED THROUGH ALL LINES AND ALL NOZZLES BEFORE TURNING OFF IRRIGATION WATER.

DO NOT ALLOW IRRIGATION WATER TO COLLECT OR RUN OFF. IT MAY POSE A HAZARD TO LIVESTOCK, WELLS, ADJOINING CROPS, OR THE ENVIRONMENT.

DIRECTIONS FOR USE THROUGH OVERHEAD IRRIGATION SYSTEMS

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

APPLICATION INSTRUCTIONS

Prepare a suspension of SEVIN® brand 4F Carbaryl Insecticide in a mix tank. Fill tank with 1/2 to 3/4 the desired amounts of water. Start mechanical or hydraulic agitation. Slowly add the required amount of this product, and then the remaining volume of water.

Set sprinkler to deliver .1 to 0.3 inches of water per acre. Start sprinkler and then uniformly inject the suspension of this product into the irrigation water line so as to deliver the desired rate per acre.

NOTE: When treatment with this product 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.

CALIBRATION:

Calibration of irrigation systems and injectors to apply SEVIN® brand 4F Carbaryl Insecticide requires the following: 1) desired quarts of this product per acre, 2) quarts of this product per gallon of suspension, 3) divide item 1 by item 2 to determine the gallons of suspension needed per acre, 4) number of acres under center pivot in a complete revolution, 5) multiply item 3 times item 4 to determine the gallons of suspension needed per one complete revolution of the irrigation system, 6) number of hours to complete one revolution of the sprinkler applying to desired rate of water, and 7) divide item 5 by item 6 to determine the injection rate per hour.

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 SEVIN® brand 4F 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 or processed. Do not use in serving areas while food is exposed.

INDOORS

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

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

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

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

CENTIPEDES/EARWIGS/MILLIPEDES/SCORPIONS: Mix 3 oz. SEVIN® brand 4F Carbaryl Insecticide per gallon of water and apply around water pipes, doors and windows, and other places where these pests may enter premises. Spray baseboards, storage areas, garages, carports, basements and other areas where these pests are found.

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

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

OUTDOORS

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

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

STORAGE AND DISPOSAL

STORAGE

Store unused product in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F.

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

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

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

LIMITED WARRANTY AND DISCLAIMER

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

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

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