

CROP	INSECT	QUARTS OF SEVIN 4-L ACRE	PRE HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Soybeans	Bean leaf beetle Mexican bear Cucumber beetles beetle Green cloverworm Velvetbean caterpillar	1/2	0	DO NOT APPLY A COMBINATION OF SEVIN 4-L AND 2,4-DB HERBICIDES TO SOYBEANS For light to moderate populations.
	Corn earworm	1/2 to 3/4		
	Blister beetles Grape colaspis Mexican bean beetle	1/2 to 1		To control leafy infestations, use higher rate.
	Ailalfa caterpillar Three cornered Bean leaf beetle alfalfa hopper Cucumber beetles Thrips Green cloverworm Velvetbean caterpillar Japanese beetle Leafhoppers	1	0	
	Armyworm Corn earworm 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	14
	Cutworms		1 1/2	
Tobacco	Tobacco flea beetle	2 Tbs. gallon or 1 qt./50 gal. or 6 gal./1 sq. yards		0
	Green June beetle grubs	1/2 qt./100 gallons		
	Budworms Fall armyworm Flea beetles Hornworms	Japanese beetle June beetle Suckly	1 to 2	

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 4-L 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 4-L / 100 GAL.	PRE HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
APPLE THINNING			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 SEVIN 4-L, exercise caution to avoid possible yield reduction.
Apples only	1/2 to 1/4	1	For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newtown.
	1/2 to 1	1	For difficult to thin varieties including Baldwin, Ben Davis, Duchess, Fairmount, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turkey, Wealthy, Yellow Transparent and York Imperial.

BEST DOCUMENT AVAILABLE

CROP	INSECT		QUARTS OF SEVIN 44 (ACRE)	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
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		
	Armyworm Corn earworm Fall armyworm	Stink bug Tarnished plant bug	1 to 2	14 (garden beet tops, spinach, Swiss chard)	
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		Observe plant response precautions.
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green clover worm Japanese beetle Leafhoppers	Red-necked peanutworm Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1	0	
	Armyworm Corn earworm Fall armyworm	Stink bugs Webworms	1 to 1 1/2		
	Whitefringed beetle adults Cutworms		2		
Peas	Colorado potato beetle Leafhoppers		1	0	
	Armyworms		1 to 1 1/2		
	Alfalfa caterpillar Cutworms Pea leaf weevil	Pea weevil Yellowstriped armyworm	1 1/2		
	Alfalfa looper		2 1/2	0	
Potato Tomato Eggplant Pepper	Colorado potato beetle Flea beetles Leafhoppers		1/2 to 1	0	
	European corn borer Fall armyworm Lack bugs Stink bugs	Tarnished plant bug Tomato fruitworm Tomato hornworm Tomato pinworm	1 to 2		
	Cutworms		2		
Rice	Armyworm Chinch bugs	Fall armyworm Stink bugs	1 to 1 1/2	14	DO NOT APPLY PROPANIL HERBICIDES WITHIN 15 DAYS BEFORE OR AFTER SEVIN 44 APPLICATION OR PLANT INJURY WILL RESULT. MISSISSIPPI DELTA & TEXAS.
	Armyworm Leafhoppers	Tadpole shrimp	2	14	CALIFORNIA ONLY. For optimum tadpole shrimp control apply to water when pest first appears.
Sorghums (milo, grain sorghum, sweet sorghum and hybrids)	Armyworm Chinch bugs Corn earworm	Fall armyworm Stink bugs Webworms	1 to 2	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.
	Sorghum midge Southwestern corn borer		1 1/2		
	Cutworms		2		

8

CROP	INSECT		QUANTS OF SEVIN #4/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Carrots Parsnips Parsley	Flea beetles	Leafhoppers	1/2 to 1	0 (carrots)	Treat on a 5 to 7 day schedule.
	Aster leafhopper Lygus bugs	Spittlebugs	1 to 1 1/2	3 (parsnips)	
	Armyworm Corn earworm Fall armyworm	Stink bugs Tarnished plant bug	1 to 2	14 (parsley)	
Corn (field, sweet, pop)	Armyworm Corn earworm Corn rootworm adults European corn borer 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.
	Western bean cutworm		2	0	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	0	Apply in a 12 inch band, using 6 fluid ounces per 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	0	Early season insect control.
	Boll weevil Bollworms Cotton leafroller Fall armyworm Leafrollers Leafhoppers	Tarnished plant bug Yellowstriped armyworm (cotton cutworm)	1 to 2	0	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	0	For light to moderate populations in Western irrigated cotton.
	Pink bollworm Stink bugs	Saltmarsh caterpillar	1 1/2 to 2 1/2 2	0	Aphid populations will be suppressed by repeated applications of this insecticide.
	Pickleworm Cucumber beetles Flea beetles	Melonworm Leafhoppers Squash bugs	1/2 to 1 1	0	Observe plant response precautions. Avoid excessive applications
Dandelion Endive (Escarole) Lettuce Salsify	Flea beetles Harlequin bug	Leafhoppers	1/2 to 1	0	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	3 (head lettuce & salsify roots)	
	Armyworm Corn earworm Fall armyworm	Imported cabbage worm Stink bugs Tarnished plant bug	1 to 2	14 (endive (escarole) leaf lettuce & salsify tops)	
Forage Grasses Pasture	Armyworm Black grass bugs Chinch bugs Essex skipper Fall armyworm	Range caterpillars Range crane fly Striped grass looper Thrips	1 to 1 1/2	0	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot.
	White grubs (green June beetle)		1 1/2 to 2	0	

BEST DOCUMENT AVAILABLE

INSECT CONTROL

Apply when insects or their damage appears. To maintain control, repeat at 7 to 14 day intervals or as necessary unless a shorter interval is specified below. Where a dosage range is indicated, use 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 42 does not control spider mites. If spider mites are a problem, use a registered miticide.

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 1:11 where washoff resistance is desired. To prepare small volumes of spray, use 1 tablespoonful (1/2 fluid ounce) of SEVIN 42 per gallon of water where rates of 1 quart per acre or 1 quart per 100 gallons are indicated in the tables below.

CROP	INSECT	QUARTS OF SEVIN 42 / ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
All Forage, Field and Vegetable Crops in This Section	Grasshoppers	1/2 to 1 1/2	See specific Forage, Field or Vegetable Crop	Use 1/2 to 1 quart for nymphs on small plants or sparse vegetation in wasteland, rangeland, stream banks and borders. Use 1 to 1 1/2 quarts for adult grasshoppers or applications to dense vegetation.	
Alfalfa Clovers	Blister beetles Mexican bean beetle	1/2 to 1	0	Observe plant response precautions. For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble. Use higher rate in areas east of the Rocky Mountains. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.	
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle	1			
	Alfalfa weevil larvae Armyworm Cloverhead weevil Corn earworm Cutworms Egyptian alfalfa weevil larvae Essex skipper	European alfalfa beetle Fall armyworm Lygus bugs Stink bugs Webworms Yellow-striped armyworm	1 to 1 1/2		
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 black-eyed 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	Observe plant response precautions.	
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Flea beetles Green cloverworm Japanese beetle	Leafhopper Three cornered alfalfa hopper Thrips Velvetbean caterpillar Western bean cutworm			1
	Armyworm Corn earworm Cutworms European corn borer	Fall armyworm Stink bugs Tarnished plant bug Webworms			1 to 1 1/2
	Cowpea cutworm	2			
Cabbage Broccoli Brussels Sprouts Cauliflower Kohlrabi	Corn earworm Lima bean pod borer	Lygus bugs Stink bugs	2	CALIFORNIA ONLY	
	Flea beetles Armyworm Corn earworm Fall armyworm	Harlequin bug Imported cabbage-worm	1/2 to 1 1 to 2		
Chinese cabbage Collards Hanoover salad Horseradish Kale Mustard greens Rutabagas Turnips	Flea beetles Harlequin bug	Leafhoppers	3	(horseradish, rutabagas and turnip roots) 14 (Chinese cabbage, collards, Hanoover salad, kale, mustard greens, and turnip tops)	
	Aster leafhopper		1 to 1 1/2		
	Armyworm Corn earworm Fall armyworm	Imported cabbage-worm Stink bugs Tarnished plant bug	1 to 2		

BEST DOCUMENT AVAILABLE

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (MH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT *(include ZIP code)*

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL _____ DATE _____

BEST DOCUMENT AVAILABLE

CARBARYL 4L

ACTIVE INGREDIENTS:	By Weight
Carbaryl (1-naphthyl N-methylcarbamate) . . .	43.4%
INERT INGREDIENTS	56.6%
TOTAL	100%

SEVIN is the registered trade mark of Union Carbide Corporation for the active ingredient, 1-naphthyl N-methylcarbamate.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Drink one or two glasses of water and induce vomiting by striking the back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention immediately.

IF INHALED - Remove victim to fresh air and apply respiration if indicated.

IF ON SKIN - Wash promptly with soap and water. Rinse thoroughly.

IF IN EYES - Rinse eyes for at least 15 minutes with water and call a physician immediately.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS
EPA Reg No. 44215

GALLONS
EPA Est. No.



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

HARMFUL IF INHALED OR SWALLOWED. Avoid breathing of dust. Do not take internally. Skin contact may be harmful. Avoid contact. Wash hands and face before eating. Take shower or bath after work. Wear regular long sleeved work clothing. Change to clean clothing daily.

NOTE FOR PHYSICIAN: Carbaryl is a moderate reversible cholinesterase inhibitor. Atropine is useful. **AVOID CONTAMINATION OF FOOD, FEED, FEEDING TROUGHS AND WATERING RECEPTACLES. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.**

ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp and crabs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as directed on the label.

This product is highly toxic to bees used to treat treatment of residues on crops. Protective measures may be obtained from your Cooperative Agricultural Extension Service.

DIRECTIONS FOR USE

See label of Carbaryl 4L for directions for use. This mixture is consistent with the label.

STORAGE AND DISPOSAL

Store Carbaryl 4L in original container in a cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100 F.

Containers: Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal: Pesticide spray mixture or residue that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Federal Insecticide, Fungicide and Rodenticide Act.

Container Disposal: Triple rinse immediately, preferably for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved State and local procedures.

General: Consult Federal, State or Local Disposal Regulations for approved alternative disposal methods.

AC...
W...
E...

June...

4/215-12

GENERAL INFORMATION

SEVIN 4E is a suspension of insecticide (gamma-hydroxy-chlorobenzene) in an aqueous solution. It readily disperses in water to form a spray which is effective against a wide range of insects. It resists evaporation and rain. The following directions on this label are based on tests and field experience relating to (a) effectiveness against insects on plants, (b) residues on plants and animals, and (c) residues in food for animals. (SEVIN 4E IS A TRADE NAME OF SEVIN, INC.) USE STRICTLY OBSERVE LABEL DIRECTIONS AND CAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS.

Treated areas may be reentered immediately after the spray has 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 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 cutting of forage crops. Application should be made without removing livestock from area being treated.

PLANT RESPONSE PRECAUTIONS

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

SEVIN injures Boston ivy, Virginia creeper and madagascar fern. 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.

SPRAY PREPARATION

TO USE AS A LIQUID FORM PRODUCT: TO MAKE SPRAY OR FOLIAGE APPLICATIONS: ADD SEVIN 4E TO CONTAINER PRIOR TO USE. Remove or flush out old insecticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water.

Fill spray or mix tank with $\frac{1}{2}$ to $\frac{3}{4}$ the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the recommended amount of SEVIN 4E, then the remaining volume of water or dilution water from container. Dilution of 1:100 of SEVIN 4E with 1 volume of water will allow maximum residue to wash off by rain or overwatering. Dilutions higher than 1:100 will reduce the residue and residual insect control from wash off. Do not use as a solid. Prepare only as much spray as can be applied on the day of use. MAINTAIN CONTINUOUS AGITATION DURING MIXING AND APPLICATION TO AVOID A LIQUID FORM PRODUCT. DO NOT STORE SPRAY MIXTURE FOR PROLONGED PERIODS.

COMPATIBILITY

SEVIN 4E is compatible with an equal volume of water. It is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil, or other solvents. If compatibility of SEVIN 4E with another product and the resulting crop residue is unknown, it should be tested on a small scale. Surging or emulsion greasing, layer formation or other undesirable symptoms of incompatibility with PREHARVEST COMBINATION SPRAYS: FIRST ADD SEVIN 4E 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.

Do not use in hot, sunny conditions. Do not use in combination with materials such as 2,4-D, 2,4,5-T, and other herbicides.

APPLICATION

Observe label directions for application to obtain thorough coverage.

Use the spray equipment to deliver the required amount of SEVIN 4E diluted 1:1 with water to the target.

Check for clogged nozzles in spray system and clean nozzles.

After spray system after use, drain and flush with water.

BEST DOCUMENT AVAILABLE

MOSQUITO CONTROL

For aerial application of larvicides in recreational areas... For spot applications to forest trails... For ground application to forest trails...

CROP	QUARTS OF SEVIN #4	SPECIFIC DIRECTIONS
Pastures Rural areas Yards Recreation Woods Game lands Sports grounds School grounds Water courses Waste lands	4-10 (1/2 to 1 tablespoon) (1 gallon)	ADULT MOSQUITOES Larvicides are important for... Apply to areas where mosquitoes breed... Apply to areas where mosquitoes breed... Apply to areas where mosquitoes breed...

PEST CONTROL AROUND BUILDINGS

INSECT	QUARTS OF SEVIN #4 / 100 GAL	SPECIFIC DIRECTIONS
Ants Cockroaches Brown dog tick Earwigs Flies Millipedes Silverfish	20 17 (1/2 teaspoonful plus 1/8 oz) 10 (7/8 teaspoonful plus 1/4 oz)	For ants... For cockroaches... For ticks... For earwigs... For flies... For millipedes... For silverfish...

POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY QUARTEPS	QUARTS OF SEVIN #4 / 100 GAL	SPECIFIC DIRECTIONS
Bed bugs Chicken mite Flies Lice Northern fowl mite Fowl tick	4 16	For bed bugs... For chicken mites... For flies... For lice... For fowl mites... For fowl ticks...
Lesser mealworms	10	For lesser mealworms...

