



CARBARYL INSECTICIDE

Home and Garden Insecticide

Active Ingredients

Carbaryl (1-naphthyl N-methylcarbamate) 22.5% by wt
Inert Ingredients 77.5% by wt
(Contains 2 Pounds Carbaryl Per Gallon)

E.P.A. Reg. No. 264-334 E.P.A. Est. No. 264-MO-02

KEEP OUT OF REACH OF CHILDREN CAUTION

IN CASE OF EMERGENCY, TELEPHONE COLLECT
(24 HOURS A DAY) IN THE U.S.A. (304) 744-3487

© Union Carbide Agricultural Products Company, Inc.
P.O. Box 12014, 1 W. Alexander Drive, Research Triangle Park, N.C. 27709

APC-3881-73

SEVIN® is the registered trademark of Union Carbide Corporation for carbaryl insecticide

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

HARMFUL IF INHALED OR SWALLOWED. Avoid breathing of spray. Do not take internally. Avoid contact with skin and eyes.

Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT:

IF SWALLOWED, induce vomiting and seek medical attention immediately. IF IN EYES OR ON SKIN, flush eyes thoroughly with water; wash skin thoroughly with soap and water.

NOTE FOR PHYSICIAN: Carbaryl is a moderate, reversible cholinesterase inhibitor. Atropine is antidotal. Do Not Use 2-PAM, opates, or cholinesterase inhibiting drugs.

ENVIRONMENTAL HAZARDS:

Avoid direct application to lakes, streams and ponds. Do not apply when weather conditions favor drift from area treated. Do not contaminate water, food, or feed by cleaning equipment or disposal of wastes.

BEE CAUTION: This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

NOTICE OF DISCLAIMER

"NOTICE: BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL INJURY, LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS."

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not use application methods, dosages, concentrations, or frequencies not listed on labeling. Do not apply against target pests or crops not listed on labeling.

Shake all containers prior to use. Do not reuse empty containers or measuring devices for other purposes. Apply when insects or damage appear. Repeat as necessary to maintain control, unless spray interval is specified.

PLANT RESPONSE PRECAUTIONS SEVIN® carbaryl insecticide injures Boston ivy, Virginia creeper, and maidenhair fern. During early season, it may also injure Virginia and sand pines.

STORAGE AND DISPOSAL

Store unused SEVIN® RP2 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.

Do not contaminate water, food or feed by storage or disposal. Discard unused pesticide spray mixture in a safe place away from water supplies. Do not reuse empty pesticide containers.

VEGETABLE CROPS

All dosages refer to teaspoonfuls of SEVIN® RP2 carbaryl insecticide per gallon of water. Do not exceed maximum dosage rate.

CROP	INSECT	TSPS OF SEVIN® RP2/GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Asparagus	Asparagus beetle Grasshoppers	4 to 8	1	Treat ferns or brush growth. Do not treat more than once every 3 days	
	Apache cicada Asparagus beetle	8 to 16	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	2 to 4	0		
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Flea beetles Green cloverworm Japanese beetle	Leathoppers Three cornered alfalfa hopper Thrips Velvetbean caterpillar Western bean cutworm			4
	Armyworm Cutworms European corn borer	Fall armyworm Grasshoppers Tarnished plant bug Webworms			4 to 6
	Corn earworm Cowpea curculio Lima bean pod borer	Lygus bugs Stink bugs			8

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CROP	INSECT	TSPS OF SEVIN RP2/GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Broccoli Brussels sprouts Cabbage Carrots Cauliflower Celeriac Chinese cabbage Collards Dandelion Endive (Escarole) Garden beet Harrow salad Horseradish Kale Kohlrabi Lettuce Mustard greens Onion Parsnips Parsley Radishes Rutabagas Salsify Spinach Swiss chard Turnips	Flea beetles Leathoppers Harlequin bug	2 to 4	0 (Carrots okra)	NOT FOR USE ON CELERY IN CALIFORNIA Observe plant response precautions Lettuce: treat on a 5 to 7 day schedule after heads begin to form
	Aster leafhopper Grasshoppers	4 to 6	3 (broccoli brussels sprouts cabbage cauliflower garden beet roots head lettuce horseradish radishes rutabagas salsify roots & turnip roots)	
	Armyworm Corn earworm Fall armyworm	4 to 6	Imposed cabbage worm Stink bugs Tarnished plant bug	

CROP	INSECT	TSPS OF SEVIN RP2 GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Corn	Armyworm Crunch bug Corn earworm Corn rootworm European corn borer Fall armyworm Flea beetles	4 to 6	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. Treat when infestation averages 15% and at 90 to 100% tasseling emergence. Treatment after 100% silk emergence will reduce effectiveness.
	Western bean cutworm	6		
Cucumber Melons Pumpkin Squash	Pickleworm Mexican worm Cucumber beetles Flea beetles Grasshoppers	2 to 4 4	0	
Potato Tomato Eggplant Pepper Peanuts Peas	Bean leaf beetle Blister beetles Colorado potato beetle Cucumber beetles Flea beetles Green cloverworm Japanese beetle	4	0	

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CROP	INSECT		TSPS OF SEVIN® RP2 GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
	Africa caterpillar	Pea leaf weevil	6	0	
	Armyworm	Pea weevil			
	Corn earworm	Webworms			
	Grass hoppers	Yellow-striped armyworm	4 to 8		
	European corn borer	Tomato hornworm			
	Fall armyworm	Tomato pinworm			
	Lace bugs		6 to 8		
	Stink bugs				
	Cutworms				
Sweet Potato	White-fringed beetle adults		4 to 8	0	NOT FOR USE IN CALIFORNIA. Apply as a foliar spray as needed.
	Corn earworm	Sweet potato hornworm			
	Curcumber beetles	Tortoise beetles			
	Field beetles				
	Grass hoppers		6		
	Yellow striped armyworm				
	Sweet potato weevil				
			4 to 8		Full coverage is essential. Use lower rate on young plants and higher rate on mature plants.

FRUIT AND NUT CROPS

All dosages refer to teaspoonsful of SEVIN® RP2 carbaryl per gallon of water. Use sufficient spray gallonage to obtain thorough coverage (six teaspoons equal one fluid ounce).

CROP	INSECT	TSPS OF SEVIN® RP2 GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
APPLE THINNING				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 SEVIN® RP2 carbaryl insecticide, exercise caution to avoid possible yield reduction.
	Apples only	1 to 2	1	For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome, Beauty, Puntan, Red Delicious, Winesap, Yellow Newton.
		2 to 4		For difficult to thin varieties including Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steeple Red, Tully, Wealthy, Yellow Transparent and York Imperial.
Almond	Peach twig borer, San Jose scale, Fruit tree leaf miner	4	28	Apply 1 teaspoon of SEVIN® RP2 carbaryl per gallon of water at the first sign of infestation. Repeat application as needed.
	Navel orange worm			Time application of SEVIN® RP2 carbaryl to coincide with the first appearance of the worm. Make a single application at the first sign of infestation of bud scale or up to 10% bud scale.

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CROP	INSECT		TSPS OF SEVIN® RP2/GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Apples Pears	Apple aphid	Lesser appleworm	4	1	To avoid undesired apple thinning, delay use until at least 30 days after full bloom.
	Apple maggot	Oystershell scale			
	Apple mealybug	Orange torus	4	1	For psylla control, apply when eggs hatch or young nymphs are present.
	Apple rust mite	Pear leaf blister mite			
	Apple sucker	Pear psylla	4	1	For optimum scale control, apply when crawlers are present.
	Bagworms	Pear rust mite			
	California pear slug (pear saw- fly)	Periodical cicada	4	1	
	Cod- moth	Red banded leafroller			
	Eastern tent caterpillar	Rosy apple aphid	4	1	
	European apple saw- fly	San Jose scale			
	Eyespotted bud moth	Tarnished plant bug	4	1	
	Forbes scale	Tentiform leafminer			
	Fruitree leafroller	White apple leafhopper	4	1	
	Green fruit- worm	Woolly apple aphid			
	Japanese beetle	Yellowheaded fireworm	4	1	
	Lecanium scales				

CROP	INSECT		TSPS OF SEVIN® RP2/GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Black berries Blue- berries Dew- berries (including boysen- berries, and other berries)	European fruit worm European berry aphid European berry leaf miner European berry leaf roller European berry leaf miner European berry leaf roller	Rose chafers Sawfly tree caterpillar Strawberry weevil Western grape leaf miner Western grape leaf roller Western grape leaf miner Western grape leaf roller	4 to 8	0 (grapes)	Apply before first brood leafroller larvae emerge from rolls. STRAWBERRIES SEVIN® Control insects risk injury when Early Down and Sunrise vari- eties on the Delmarva Peninsula.
Black berries Blue- berries Dew- berries (including boysen- berries, and other berries)	European fruit worm European berry aphid European berry leaf miner European berry leaf roller European berry leaf miner European berry leaf roller	Rose chafers Sawfly tree caterpillar Strawberry weevil Western grape leaf miner Western grape leaf roller Western grape leaf miner Western grape leaf roller	4 to 8	1 (straw- berries)	
Black berries Blue- berries Dew- berries (including boysen- berries, and other berries)	European fruit worm European berry aphid European berry leaf miner European berry leaf roller European berry leaf miner European berry leaf roller	Rose chafers Sawfly tree caterpillar Strawberry weevil Western grape leaf miner Western grape leaf roller Western grape leaf miner Western grape leaf roller	4 to 8	2 (black berries, dewberries, boysenber- ries, African berries)	
Blue- berries	European fruit worm European berry aphid European berry leaf miner European berry leaf roller European berry leaf miner European berry leaf roller	Rose chafers Sawfly tree caterpillar Strawberry weevil Western grape leaf miner Western grape leaf roller Western grape leaf miner Western grape leaf roller	6	0	Apply 3 weeks before harvest and repeat as necessary.

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For dilute spray applications to trees (including shade trees, shelter belts, plantations, parks and recreational areas), ornamentals, woody plants and shrubs, apply the specified dosage per gallon of water in sufficient spray volume to provide thorough coverage. (Six teaspoons equal one fluid ounce.)

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LAWNS AND RECREATIONAL AREAS

SITE	INSECT	SPECIFIC DIRECTIONS
Lawns and Recreational Areas	Ants Armyworm Beetles Borers Centipedes Chiggers Cutworms Earwigs Esser skipper European chaffer Fall armyworm Firey skipper Flies Grasshoppers	Use 8 tablespoons of SEVIN RP2 per gallon of water. Apply 1/2 gallon of solution per 100 square feet of lawn. For lawns that are not mowed, apply 1/2 gallon of solution per 100 square feet. For best results, mow lawn and apply after watering of lawn. Ensure good penetration of herbicide into soil or pressure applicators may be used. Repeat as necessary.
	Chinch bugs White grubs	Use 1/2 teaspoon of SEVIN RP2 per gallon of water. Apply 1/2 gallon of solution per 100 square feet.
	Imported fire ants	Use 2 tablespoons of fluid ounce of SEVIN RP2 per gallon of water. 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°F on a 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.

MOSQUITO CONTROL

SITE	SPECIFIC DIRECTIONS
Yards and Recreational Areas	ADULT MOSQUITOES Use 1/2 teaspoon of SEVIN RP2 per gallon of water. Apply 1/2 gallon of solution per 100 square feet of lawn. For lawns that are not mowed, apply 1/2 gallon of solution per 100 square feet. For best results, mow lawn and apply after watering of lawn. Ensure good penetration of herbicide into soil or pressure applicators may be used. Repeat as necessary. OBSERVE BEE CAUTION Avoid direct application to lakes, streams and ponds. For adult mosquito control, apply SEVIN RP2 to lawns, gardens, shrubs, and other plants. For best results, apply 1 to 2 tablespoons of SEVIN RP2 per gallon of water. Treat shrubs and areas where adult mosquitoes congregate. Treat when adult mosquitoes are active in early morning or late evening. Repeat at 7 to 10 day intervals. For best results, use in subtropical regions use 1/2 teaspoon of SEVIN RP2 per gallon of water and apply 4 gallons of spray per 100 square feet of area. Repeat every 10 to 15 days or when necessary.

PEST CONTROL IN AND AROUND BUILDINGS

INSECT	AMOUNT OF SEVIN RP2 GAL	SPECIFIC DIRECTIONS
Brown dog tick Earwig Fire Millipede Silverfish	1 ounce gal	For use in and around buildings such as homes, apartments, warehouses, barns and municipal and recreational areas.
Ants Cockroaches	12 ounces gal	Apply as coarse 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.
		Do not use where and the products are exposed to be prepared, processed or served.
		Avoid application to surfaces where visible spray residue are objectionable.

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POULTRY INSECT CONTROL

POULTRY	INSECT	SPECIFIC DIRECTIONS
Chickens Ducks Geese Gamebirds Pigeons Turkeys	Chicken mite Fleas Lice Northern fowl mite	For use as a direct spray on birds by: 1. Misting with Electric Fog Machine. Mix 20 ounces of SEVIN® RP2 in 1 quart of spray. Use 1 1/2 gallons per 1000 birds in a pen or litter or on slatted floor. Repeat in 4 weeks if necessary or 2. Spraying with backpack or equivalent type. Mix 20 ounces of SEVIN® RP2 carbonyl insecticide in 5 gallons of spray. Use 1 gallon per 100 birds in a pen or litter or on slatted floor. Repeat in 4 weeks if necessary. Direct mist spraying for chicken mite and fleas is a supplement to spraying roosts and buildings for control of these pests. (See table on page 2 for further details.)

POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY QUARTERS	AMOUNT OF SEVIN® RP2 GAL	SPECIFIC DIRECTIONS
Bed bugs Chicken mites Fleas Lice Northern fowl mite	5 tablespoons gal	Apply 12 to 24 ounces of spray per 100 square feet of wall or floor surface. Enter spray into cracks. Repeat as needed. Avoid contamination of nesting areas, feeders and watering troughs.
Fowl ticks	10 ounces gal	Ventilate while spraying. Enter quarters within 7 days of spraying.
Lesser mealworms	33 ounces gal	Apply 25 ounces of spray per 100 square feet of floor space in the quarters. Repeat as needed. Ventilate while spraying. Enter quarters within 7 days of spraying.

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Dear Mr. Lovell:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A sample copy is enclosed for your records.

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