

PM-19

Reg # 270-286

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1 of 8
Security Brand Sevin Spray
EPA Reg. No. 270-286
sevin.tbl

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SECURITY® BRAND SEVIN® SPRAY

Controls Insects on Vegetables, Lawns, Ornamentals and Fruits

ACTIVE INGREDIENT:

Carbaryl (1-naphthyl N-methylcarbamate) 23.0%

INERT INGREDIENTS: 77.0%

TOTAL 100.0%

Sevin is the registered trademark of Rhone-Poulenc for carbaryl insecticide.
This product contains 2 pounds Carbaryl per gallon.

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RECD EPA/OT/P/DPDI

KEEP OUT OF REACH OF CHILDREN

CAUTION:

(See Additional Precautionary Statements on Side Panel)

ACCEPTED
FEB 26 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 270-286

EPA Reg. No. 270-286
EPA Est. No. 769-GA-1

NET WEIGHT: 1 Fluid Quart

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: May be harmful if swallowed. Avoid breathing of 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.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting and seek medical attention immediately.

IF IN EYES OR ON SKIN: Flush eyes with plenty of water; wash skin thoroughly with soap and water.

FOR EMERGENCY MEDICAL INFORMATION Call 1-800-228-5635, Ext. 138.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiates, or cholinesterase inhibiting drugs.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water and areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning equipment or disposal of wastes. Do not apply when weather conditions favor drift from area treated.

BEE CAUTION: MAY KILL HONEYBEES IN SUBSTANTIAL NUMBERS: This product is highly toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Contact your Cooperative Agricultural Extension Service or your local representative for further information.

USER SAFETY REQUIREMENTS

- Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when mixing and applying this product.
- Wear a hat and eye protection when making overhead applications.
- Remove clothing immediately if pesticide soaks clothing. Change clothing as soon as possible after use.
- Wash the outside of gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking or using the toilet.
- Do not allow children or pets to contact treated area until sprays have dried.

DIRECTIONS FOR USE

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

Apply when air is calm to avoid drift and contact with eyes and skin. Start spraying at the farthest corner of the treatment area and work backward to avoid contact with wet surfaces. Allow spray to dry in treated areas before reentering. For trees taller than 10 feet, consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems, and branches. Do not repeat applications more than once a week.

Subsequent planting of food and feed crops in treated soil must be made with crops on this or other carbaryl labels.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

MIXING INSTRUCTIONS

To insure a uniform product, gently shake contents before pouring. Be sure sprayer tank, spray tip and screen are clean before use. Fill the sprayer with 1/2 to 3/4 the desired amount of clean water. Pour the recommended amount of product into the tank and complete filling to desired level with water. Before and frequently during use, shake the spray mixture in the tank to prevent settling. It is recommended that spray equipment be thoroughly cleaned after each day's use.

VEGETABLES

SECURITY Sevin Spray will control a wide range of vegetable insect pests. Begin application when insects first appear and repeat applications to maintain control. Do not apply to any crop not listed on this label. Coverage of both upper and lower leaf surfaces is essential for good control. Use sufficient gallonage to obtain full coverage. In the garden, approximately 1 gallon of diluted spray will be required per 100 feet of row. Apply 2 2/3 teaspoons per gallon of water to control: alfalfa caterpillar, bean leaf beetle, blister beetle, cucumber beetle, Colorado potato beetle, flea beetle, green cloverworm, harlequin bug, Japanese beetle, red-necked peanutworm, squash bug, three-cornered alfalfa hooper thrips, velvetbean caterpillar, Western bean cutworm. Apply 4 teaspoons per gallon of water to control: armyworms, aster leafhopper, corn earworm, cutworms, grasshopper, pea leaf weevil, pea weevil, spittlebug, yellow-striped armyworm. Apply 5 1/2 teaspoons per gallon of water to control: asparagus beetle, chinch bug, corn rootworm, cowpea curculio, European corn borer, fall armyworm, imported cabbageworm, lace bug, limabean pod borer, lygus bug, stink bug, sap beetle, Southwestern corn borer, tarnished plant bug, tomato hornworm, tomato pinworm. SECURITY Sevin Spray may be applied to the vegetables listed below. Follow the time intervals between last application and harvest indicated by the number in () following each vegetable. A (0) indicates this product may be applied to and including the day of harvest. Asparagus (1), beans (0), including dry bean, green beans, lima beans, navy beans and snap beans, broccoli (3), Brussels sprouts (3), beets: roots (3) tops (14), cabbage (3), cauliflower (3), Chinese cabbage (14), collards (14), carrots (0), corn (0), cucumbers (0), dandelion (14), endive (escarole) (14), eggplant (0), hanover salad (14), horseradish (3), kale (14), kohlrabi (3), lettuce: head (3), leaf (14), mustard greens (14), melons (0), okra (0), peanuts (0), peas (3): Southern (0) including blackeyed, cowpeas and crowders, peas: garden or English (3), peppers (0), potatoes (0), pumpkin (0), radish (3), rutabaga (3), squash (0), salsify: roots (3), tops (14), spinach (14), Swisschard (14), tomatoes (0).

SPECIFIC VEGETABLE DIRECTIONS

ASPARAGUS: Treat ferns or brush growth. Do not treat more than once a week.

CORN: For insects attaching silks and ears, apply at 7 day interval starting when first silks appear and continuing until silks begin to dry. For larvae in whorl

and foliage feeders, apply as necessary. For chinch bugs, use high gallonage around application directed at the base of plants.

CUCUMBERS, MELONS, PUMPKINS, SQUASH: Avoid excessive application.

ORNAMENTAL PLANTS, ROSES, FLOWERS, SHRUBS AND SHADE TREES

Security Sevin Spray will control the insects listed below. Apply 4 teaspoons per gallon of water and spray thoroughly covering both upper and lower leaf surfaces. Begin applications when insects or their damage first appear and repeat in 7-10 days or as necessary to maintain control. The addition of Security Spreader Stickier may improve residual control: ants, apple aphid, army worm, azalea leafminer, bagworm, birch leafminer, blister beetle, boxelder bug, boxwood leafminer, browntail 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, full rose beetle, gall midges, gall wasps, green striped mapleworm, grasshoppers, gypsy moth, hackleberry nipple-gallmaker, holly bud moth, holly leafminer, jackpine budworm, Japanese beetle, jeffrey pine needleminer, June beetles, lace bug, 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, plant bugs, poinsettia hornworm, psyllids, puss caterpillar, redhumped oakworm, rose aphid, rose chafer, rose slug, saddles prominent, sawflies (exposed), scale insects, sowbugs, spiny elm caterpillar, springtails, spruce needleminer, subtropical pine tip moth, tent caterpillars, thorn bug, thrips (exposed), ticks, walnut caterpillar, webworm, Western hemlock looper, Western spruce budworm, willow leaf beetle and yellow poplar weevil.

LAWNS AND RECREATIONAL AREAS

Security Sevin Spray will control the following insects on lawns and recreation areas: ants, armyworms, bluegrass billbugs, centipedes, chiggers, cutworms, earwigs, essex skipper, European chafer, fall armyworm, fiery skipper, fleas, grasshoppers, June beetles, leafhoppers, lucerne moth, millipedes, mosquitoes, sod webworms (lawn moths), sowbugs, springtails, ticks, yellowstriped armyworms, chinch bugs and white grubs. Mix SECURITY Sevin Spray with water according to directions given in the following table and apply as a coarse (large droplet) spray using a low pressure sprayer such as a knapsack-type, hose-attached applicator or other similar equipment. For best results, mow lawn and apply after watering or rain. If it is impractical to use the quantity of water listed in the table, apply in at least one gallon of water per 1000 square feet and sprinkle with the recommended amount of water after application to insure good penetration of turf. Repeat 2-3 weeks later if necessary. Use the higher rate listed to control chinch bugs and white grubs.

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AREA TO BE TREATED	AMOUNT TO USE	AMOUNT OF WATER
500 Sq. Ft.	6.5-10 oz.	15 gallons
1000 Sq. Ft.	13-20 oz.	30 gallons
2500 Sq. Ft.	1-1 1/2 qts.	75 gallons

CONTROL OF TICKS WHICH TRANSMIT LYME DISEASE

For control of juvenile and adult *Ixodes* spp. ticks (Deer tick, Bear tick, and Black legged tick) and *Amblyomma* spp. ticks (Lone Star tick). Begin application in late spring or early summer (May/June). Thoroughly treat entire lawn, perimeter wooded areas, and property boundaries including shrub beds, ornamental planting, and wooded areas where exposure to ticks may occur. Retreat at 3 to 4 week intervals since ticks may be reintroduced from surrounding areas by animals.

CONTROL OF TICKS WHICH TRANSMIT LYME DISEASE

SITE	SPECIFIC DIRECTIONS
Lawns and Recreational Turfgrass (Including: Lawns & Perimeters, Golf Courses, Sports Fields, Cemeteries, Parks and Pastures)	For control of juvenile and adult <i>Ixodes</i> spp. ticks (Deer tick, Bear tick, and Black legged tick) and <i>Amblyomma</i> spp. ticks (Lone Star tick) apply at the rate of 2 tablespoons (1 fluid ounce) per gallon of water.
Shrubs, Ornamentals, Wooded Areas (Including: Military Posts, Logging Camps & Campsites) Wastelands	Begin applications in late spring or early summer (May/June). Thoroughly treat entire turf areas, shrub beds, ornamental plantings, wooded areas, and around outside perimeters of homes/buildings where exposure to ticks may occur. Retreat at 3 to 4 week intervals since ticks may be reintroduced from surrounding areas by animals.

TREE FRUIT, NUT CROPS, SMALL FRUIT

Security Sevin Spray will control many insect pests on fruit and nut trees. Use sufficient spray gallonage to obtain thorough coverage. Follow the specific directions for each crop. The time interval between last application and harvest is indicated by the number () following each crop. A (0) indicates the product may be applied up to and including the day of harvest. Follow locally issued spray schedules for timing and frequency of applications in your area.

TREE FRUIT

APPLE THINNING: Apply 1-2 teaspoons per gallon of water in a full coverage dilute spray between 10 to 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 Security Sevin Spray, exercise caution to avoid possible yield reduction. The above rate is for easily thinned varieties including Grimes, Jonathon, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap and Yellow Newton. For more 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, use 2-4 teaspoons per gallon of water.

Apples, Pears (1): Security Sevin Spray will control the following insects on apples and pears: apple aphid, apple maggot, apple mealybug, apple rust mite, apple sucker, bagworms, California pear slug (pear sawfly), codling moth, Eastern tent caterpillar, European apple sawfly, eye-spotted bud moth, forbes scale, fruit tree leafroller, green fruitworm, Japanese beetle, lecanium scales, lesser apple worm, lygus bugs, orange tortrix, oyster shell scale, pear leaf blister mite, pear psyllia, pear rust mite, periodical cicada, plum curculio, red banded leafroller, rosy apple aphid, San Jose scale, tarnished plant bug, tentiform leafminer, white apple leafhopper, wooly apple aphid and yellow headed fire worm. Apply 4 teaspoons per gallon of water. Apple mealybug, apple aphid, codling moth and white leafhopper may be controlled with 2 teaspoons per gallon of water East of the Rocky Mountains only. For psyllia control, apply when eggs hatch or young nymphs are present. For optimum scale control, apply when crawlers are present. To avoid undesired apple thinning, delay use until at least 30 days after full bloom.

CITRUS FRUITS (5): Security Sevin Spray will control the following insects on citrus: avocado leafroller, black scale, brown soft scale, California orangedog, California red scale, citricola scale, citrus cutworm, citrus root weevil, citrus snow scale, fruit tree leafroller, orange totrix, Western tussock moth, West Indian sugarcane borer (adult) and yellow scale. Apply 4 teaspoons per gallon of water. Do not apply less than 10 gallons of dilute spray mixture per mature tree. May be mixed with petroleum oils commonly used on citrus.

PEACHES, PLUMS, PRUNES, CHERRIES (1), APRICOTS, NECTARINES (3): Security Sevin Spray will control the following insects on the above fruits, apple pandemis, black cherry aphid, brown soft scale, cherry fruitworm, cherry maggot, cucumber beetle, European earwig, eyespotted bud moth, forbes scale, fruit tree leafroller, green fruit-worm, Japanese beetle, June beetle, lecanium scales, lesser peachtree borer, mealy plum aphid, olive scale, oyster shell scale, orange totrix, Oriental fruit moth, peach twig borer, periodical cicada, plum curculio, prune leafhopper, redbanded leafhopper, rose chafer, San Jose scale, tarnished plant bug, tussock moth and variegated leafroller. Apply 4 teaspoons per gallon of water. Spray for thorough coverage. For optimum scale control, apply when crawlers are present. For lesser peachtree borer control, spray limbs and tree trunk thoroughly, weekly during moth flight.

NUT CROPS

PECANS (0): To control the following insects, apply 20 ounces per medium-sized tree in approximately 20 gallons of water (2 tablespoons per gallon). This is equivalent to 6 1/4 quarts per acre based on 10 trees per acre: black margined aphid, fall webworm, hickory shuckworm, lesser webworm, pecan leaf phylloxera, pecan nut casebearer, pecan spittlebug, pecan weevil, twig girdler and walnut caterpillar.

SOIL APPLICATION FOR PECAN WEEVIL: When foliar application of Security Sevin Spray is not feasible due to lack of proper equipment, poorly accessible tree location or other factors, a soil surface application method may be used to provide suppression of adult pecan weevil populations. Apply 10 ounces Security Sevin Spray per tree, to the soil under the tree in sufficient water (10 gallons per tree minimum) to uniformly cover the entire area beneath the tree canopy 10 feet beyond the dripline. Make applications every 7-10 days from the time that the pecan shells begin to harden (early August) until adult weevils are no longer present (about September 15).

WALNUTS (0): To control the following insects, apply 2 teaspoons per gallon of water and spray the entire tree thoroughly: calico scale, codling moth, European fruit lecanium, fiberworm, fruit leafroller and frosted scale. For codling moth, apply first spray when average cross-sectional diameter of developing nuts are 1/2 to 3/4 inch. Repeat during middle or late June as needed. To control European earwig, apply 8 teaspoons per gallon of water and spray tree trunks to point of runoff.

SMALL FRUIT CROPS

BRAMBLES (blackberries, raspberries, dewberries, boysenberries, loganberriesF) (7): Apply 4-8 teaspoons per gallon of water and spray thoroughly to control European raspberry aphid, Japanese beetle, leafhopper, leafrollers, rose chafer and snow tree cricket.

BLUEBERRIES (0): Apply 6 teaspoons per gallon of water three weeks before harvest and repeat as necessary to control blueberry maggot, cherry fruitworm, cranberry fruitworm, European fruit lecanium and Japanese beetle.

GRAPES (7): Apply 8 teaspoons per gallon of water and spray thoroughly to control cutworms, eightspotted forester, European fruit lecanium, grape berry moth, grape leafroller, grape leafhopper, saltmarsh caterpillar, Western grapeleaf skeletonizer and Western yellowstriped armyworm. Apply before first brood leafroller larvae emerge from rolls.

STRAWBERRIES (1): Apply 4-8 teaspoons per gallon of water to control flea beetles, meadow spittlebug, omnivorous leaf-tier (strawberry fruitworm), Strawberry leafroller and strawberry weevil. Sevin may injure Early Dawn and Sunrise varieties on the Delmarva Peninsula.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Store pesticide in original container and place in a locked storage area. Do not reuse container. Rinse thoroughly before discarding in trash.

DISPOSAL: Securely wrap original container in several layers of newspapers and discard in trash.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of **Fitness** or of **Merchantability**, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.