



ONE GAL.
NET

SEVIN

4 FLOWABLE

ACCEPTED

*

DEC 20 1971

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
CONTAINS 4 lbs. SEVIN per Gallon
REGISTERED UNDER NO. 226-289
SUBJECT TO A ... COMMENTS

42.6%

57.4%

100.0%

An Aqueous Suspension — An Agricultural Insecticide

ACTIVE INGREDIENTS:

Carbaryl (1-naphthyl N-methylcarbamate)

INERT INGREDIENTS

U.S. Pat. No. 2,903,478

*Trade Mark of Union Carbide Corporation for the active ingredient 1-naphthyl N-methylcarbamate

CAUTION: Keep Out of Reach of Children and Animals

HARMFUL IF INHALED OR SWALLOWED

Avoid Breathing of Spray. 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 antidotal.

AVOID CONTAMINATION OF FOOD, FEED, FEEDING TROUGHS AND WATER RECEPTACLES.

PRODUCT FREEZING TEMPERATURE 32°F*

*Satisfactory utility is restored after thawing and mixing of product stored at temperatures as low as 0 F.
Repeated 0-10° freezing-thawing may impair utility.

KEEP COVER ON OPENED CONTAINER TO PREVENT DRYING.

EPA No. 226-209

Vegetable Insect Control: The following rates are in terms of Sevin 4 Flowable to be applied per acre in sufficient water for thorough coverage. Where a dosage range is indicated, use lower rate on young plants, higher rate on mature plants. Apply when insects or their damage appear. Repeat at 7 to 10-day intervals or as necessary unless shorter interval is specified below.

BEANS (Green, lima, snap, cowpeas and black-eyed peas): **Mexican bean beetle** — Apply 1 pt. **Beanleaf beetle, cucumber beetles, flea beetles, Japanese beetle, leafhoppers, velvetbean caterpillar, western bean cutworm**—Apply 1 qt. **Armyworms, corn earworm, stink bugs, tarnished plant bug**—Apply 1 to 1½ qt. **CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, KOHLRABI:** **flea beetles, harlequin bug**—Apply 1 to 2 qt. **Armyworms, cabbageworm, cabbage looper, corn earworm**—Apply 1 to 2 qt. Where cabbage looper is the principal problem, use an alternate pesticide that is specifically recommended. For control of small cabbage loopers in home gardens (or in commercial plantings after edible portions begin to form), use Sevin in a 5- to 7-day schedule.

CORN. **Corn earworm, corn rootworm adults, European corn borer, fall armyworm, flea beetles, Japanese beetle, leafhoppers, sap beetles**—Apply 1 to 2 qt. For larvae in whorl (budworm damage) and foliage feeders, apply to entire plant. Repeat as necessary. For insects attacking silks and ears, apply at 2- to 3-day intervals starting when the silks first appear and continuing until the silks begin to dry. Three or more applications may be required depending on severity of infestation. Timing and good coverage are absolutely essential for good control. Application of this product to the tassel region of corn during the pollen shed period will seriously reduce bee populations.

CUCUMBERS, MELONS, PUMPKIN, SQUASH: **Pickleworm, melonworm** — Apply 1 to 2 pt. **Cucumber beetles, flea beetles, leafhoppers, squash bugs**—Apply 1 qt. Avoid excessive applications. Some leaf injury may occur if treatments are made when tender foliage is wet or in the presence of prolonged high humidity. Do not use Sevin on watermelons in Florida.

POTATO, TOMATO, EGGPLANT: **Colorado potato beetles, leafhoppers**—Apply 1 to 2 pt. **European corn borer, fall armyworm, lace bugs, tomato fruitworm, tomato hornworm, stink bugs, tarnished plant bug**—Apply 1 to 2 qt. **Forage and Field Crop Insect Control:** Dosage rates are given in terms of Sevin 4 Flowable per acre in sufficient water for thorough coverage. Apply when insects or their damage appear and repeat 7 to 14 days later if necessary.

ALFALFA, CLOVERS, COWPEAS, PEANUTS, SOYBEANS: **Blister beetles, Mexican bean beetle** — Apply 1 to 2 pt. **Alfalfa caterpillar, bean leaf beetle, cucumber beetles, green cloverworm, Japanese beetle, leafhoppers, three-cornered alfalfa hopper, thrips, velvetbean caterpillar** — Apply 1 qt. **Armyworms, corn earworm, stink bugs, webworms**—Apply 1 to 1½ qt. Some leaf injury may occur if applications are made when tender foliage is wet.

POULTRY PEST CONTROL (Chickens, Ducks, Game Birds, Geese, Pigeons, Turkeys): **Direct Spray Mist on Birds:** Control chicken mite, fleas, lice and northern fowl mite by (1) **Misting with electric fog machine:** Mix 10 fl. oz. in 1 gal. of spray. Use 1½ gal. per 1,000 hens in cages, on litter or on slatted floor. Repeat in 4 weeks if necessary, or (2) **Spray with knapsack or cylinder type compressed air sprayers:** Mix 6 fl. oz. in 5 gal. of spray. Use 1 gal. per 100 hens in cages on litter or on slatted floor. Repeat in 4 weeks if necessary. Direct mist spraying for chicken mites and fleas is a supplement to spraying roosts and buildings for control of these pests. **Spray Roosts and Buildings** with conventional power spray or knapsack equipment.

For bedbugs, chicken mite and fleas—Use 1 qt. per 25 gal. water. For fowl ticks, use 1 gal. per 25 gal. water. Spray 1 to 2 gal. per 1,000 sq. ft. of wall, bedding, litter or roost surfaces. Force spray into cracks and crevices. Repeat as needed.

Caution: Ventilate while spraying. Do not use within 7 days of slaughter. Avoid contamination of nests, eggs and feeding and watering troughs.

ORNAMENTAL PLANTS, FLOWERS, SHRUBS AND SHADE TREES including rose, carnation, gladiolus, zinnia, chrysanthemum, lilac, arbor vitae, juniper, hydrangea, azalea, elm, maple, oak, dogwood, birch and pines. (Do not use on Boston ivy.)—Apply 1 qt. per 100 gal. water (2 level teaspoonfuls per gal.) when insects or their damage appear. Repeat weekly or as needed to control: **apple aphid, bagworm, birch leaf miner, blister beetles, boxelder bug, boxwood leaf miner, elm leaf aphid, elm leaf beetle, flea beetles, gypsy moth, Japanese beetle, June beetles, lace bugs, leafhoppers, leaf rollers, mealy bugs, minosa webworm, oak leaf miners, orange tortrix, periodical cicada, plant bugs, puss caterpillars, psyllids, rose aphid, roselug, scale crawlers, tent caterpillars, thrips (exposed), willow leaf beetles.**

LAWN: **Ants, chinch bugs, earwigs, fall armyworm, fleas, leafhoppers, mosquitoes, sod webworms (lawn moths), millipeds** — Apply 1 pt. in 15 to 20 gal. water for each 500 sq. ft. of established lawn area. Use garden hose sprayers or pressure type equipment and apply full water volume to insure good penetration in turf. For best results, mow lawn and apply immediately after rain or watering. Repeat in 2 to 3 weeks if necessary.

ALFALFA: **Alfalfa Weevil Larvae:** Use 1 qt. (Western United States) and 3 pts. (Eastern United States) for control of alfalfa weevil larvae in the spring. If pre-treatment damage is extensive, cut the Alfalfa and make the application to stubble.

TOBACCO INSECT CONTROL

In Plant Beds: For tobacco flea beetle, use 4 teaspoonfuls per gallon or 1 qt. per 50 gallons of water and apply 6 gallons per 100 square yards.

For green June beetle grubs, use 1 pt. per 100 gallons of water when insects or their damage appear. Apply only to areas that larvae have uprooted by sprinkling as a drench with 50 to 100 gallons per 100 square yards. May be applied before or after seeding. Avoid excessive application; plant injury may result.

In Fields: For budworms, flea beetles, Japanese beetles, June beetles and cornworms, use 1 to 2 qt. in 50 to 100 gallons of water per acre. Full coverage of plants is essential. Use lower rate on young plants up to knee high, higher rate on mature plants. Begin treatments when worms are small. Avoid excessive application in bud of plants as plant injury may result. Treated fields may be entered immediately after foliage has dried. If late applications are necessary, allow three days before pruning or cutting.

Use 1 quart per 100 gallons in hydraulic sprayers, or 2 teaspoons per gallon in hand sprayers for treating backyard or other limited areas. Thoroughly cover lower shade tree foliage, shrubbery, flower beds, grass and shaded areas around buildings where adult mosquitoes congregate. Do not apply to water. Repeat at 7 to 10 day intervals or as necessary. SEVIN injures Boston Ivy. Do not use on this ornamental.

PRODUCT INFORMATION

Sevin 4 Flowable is an extremely fine dispersion of Sevin in water. A dilute spray of Sevin 4 Flowable is tenacious and quick-setting, giving an adhesive residue to plants on partial drying. Sevin is compatible with commonly used insecticides such as lead arsenate, and other chlorinated hydrocarbons, Guthion, malathion, Parathion and other organic phosphates, and botanicals; also with such fungicides as organo-mercury compounds, fixed coppers, dithiocarbamates, sulphur, Captan, Cyprex, Glydin, and Phaltan. Sevin does not control spider mites, but is compatible with all common miticides. Sevin is unstable under highly alkaline conditions. Do not use with lime, Bordeaux, lime-sulphur, casein-lime spreaders or other alkaline materials.

Some phytotoxicity may occur on tender foliage when prolonged misty rain or high humidity follows spraying.

OBSERVE THE FOLLOWING USE PRECAUTIONS

This product is highly toxic to bees exposed to direct treatment or residue on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. The Federal Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates, and do not apply closer to harvest than specified.

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place.

DIRECTIONS FOR USE

BEFORE USING SHAKE OR STIR WELL! Pour recommended amount of this material into nearly filled spray tank, or pre-mix in a bucket half-filled with water and pour mixture into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in entire system. Do not combine with emulsifiable liquids unless previous experience has proven them physically compatible and safe to use.

Preharvest and Grazing Use Limitations

No post-treatment time limitations on applications to alfalfa, beans, cucumbers, eggplants, grapes, melons, peanuts, peppers, potatoes, pumpkin, soybeans, summer squash, sweet corn, tomatoes and winter squash.

Allow 1 day between spraying and harvest of apples, cherries, peaches, pears, plums, prunes and strawberries.

Allow 3 days between spraying and harvest of apricots, broccoli, Brussels sprouts, cabbage, cauliflower, kohlrabi and nectarines.

Allow 7 days between application to poultry and game birds or poultry and game bird premise treatments and bird slaughter.

If Sevin insecticide is used in accordance with label directions, the above crops, including bean vines, carrot tops, peanut hay, soybean hay, and may be grazed or harvested for use as feed for dairy animals without resulting in residues in milk or meat. Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable Sevin residues when Sevin is used in accordance with label directions.

RECOMMENDATIONS

Fruit Insect Control: Unless otherwise specified, rates in this section are given in terms of Sevin 4 Flowable per 100 gal. of dilute spray. If concentrate sprays are used, the amount of Sevin 4 Flowable per 100 gal. should be adjusted in order to apply the same quantity of Sevin per acre. Apply for full coverage in normal spray schedules.

APPLES, PEARS—(East of the Rocky Mountains): Apple mealybug, codling moth, green apple aphid, white apple leafhopper—Apply 1 pt. per 100 gal. water. Where heavy aphid infestations are present, repeated applications may be necessary for optimum control. Apple maggot, apple rust mite, bagworm, eastern tent caterpillar, European apple sawfly, eye-spotted bud moth, redbanded leaf roller, fruit tree leaf rollers, green fruitworm, Japanese beetle, pear leaf blister mite, pear psylla, pear rust mite, periodical cicada, plum curculio, red-rosy apple aphid, scales (Forbes, lecanium, oystershell, San Jose), tarnished plant bug, tentiform leaf miner, wooly apple aphid—Apply 1 qt. per 100 gal. water. For optimum scale control, apply when crawlers are present. To control rosy apple aphid apply before leaves are curled. Apply at 10-day intervals for apple maggot control. Application of Sevin within 30 days after full bloom may also provide fruit thinning. To avoid this, delay use until at least 30 days after bloom. May cause foliar injury if used before second cover on York and McIntosh apples.

PEACH, APRICOT, NECTARINE: Codling moth, cucumber beetles, European earwig, fruit tree leaf roller, Japanese beetle, June beetles, lesser peach tree borer, peach twig borer, periodical cicada, plum curculio, red-banded leaf roller, scales (lecanium, olive, San Jose), tarnished plant bug—Apply 1 qt. per 100 gal. water. For optimum scale control, apply when crawlers are present. For lesser peach tree borer spray limbs and trunk thoroughly.

PLUM, CHERRY, PRUNE: Black cherry aphid, cherry fruit fly, cherry fruitworm, eye spotted bud moth, fruit tree leaf roller, Japanese beetle, lesser peach tree borer, peach twig borer, plum curculio, prune leafhopper, red-banded leaf roller, scales, (Forbes, lecanium, oystershell, San Jose) Apply 1 qt. per 100 gal. water. Codling moth, eastern tent caterpillar. Apply 1½ pt. per 100 gal. water. For optimum scale control, apply when crawlers are present. For lesser peach tree borer spray limbs and trunk thoroughly.

GRAPE: European fruit lecanium, grape leaf folder, grape leafhopper, grape leaf skeletonizer—Apply 1 to 2 qt. per acre. Grape berry moth, Japanese beetle, June beetles, red-banded leaf roller. Apply 2 qt. per acre. Apply just before first brood leaf folder larvae emerge from rolls and as needed for leafhoppers. A dilute spray of 200 gal. per acre is suggested.

STRAWBERRY: Meadow spittlebug, strawberry leaf roller, strawberry weevil—Apply 1 to 2 qt. per acre. A dilute spray of 100 to 200 gal. per acre is suggested.

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