

476-2104

ACCEPTED
Dec 1 1971
IN THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR COMPLIANCE WITH THE
LAW UNDER THE
TO ATTACHED

PRODUCT INFORMATION

SEVIN 2 FLOWABLE is an extremely fine dispersion of SEVIN in water. The dilute spray is tenacious and quick setting, giving an adhesive residue to plants on partial drying.

OBSERVE THE FOLLOWING USE PRECAUTIONS

READ ALL LABEL DIRECTIONS BEFORE USE.
USE ONLY FOR CLAIMS LISTED AND ONLY AS SPECIFIED ON THIS LABEL.

This product is highly toxic to bees exposed to direct treatment or residues on crops and may kill bees in substantial numbers. Do not use where value of bees as pollinators is more important than insect control. Before applying, warn beekeepers to locate hives beyond bee flight range until 1 week after application or to take other equally effective precautions. Further protective information may be obtained from your cooperative Agricultural Extension Service.

To avoid possible injury on tender foliage do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. SEVIN is unstable under highly alkaline conditions. Do not use with Lime, Bordeaux, Lime-Sulfur, Casein Lime Spreaders or other alkaline materials. SEVIN has been used without plant injury with common insecticides and fungicides, except where mixtures have contained a number of pesticides, or under adverse conditions such as high humidity, drought, improper fertilization, etc. Do not combine with emulsifiable liquids, wettable powders, nutrients or adjuvants (or with more than one other pesticide) unless previous use of the mixture has proven compatible and safe to plants. Compatibility can be affected by water in your locality or ingredients in other products. Do not apply if physically incompatible.

SEVIN is compatible with Petroleum Oil as used on citrus. Do not use with Summer Oils on deciduous fruits.

SEVIN does not control Spider Mites but is compatible with common acaricides.

In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crop as well as for damages caused by drift from his property to that of others.

Consult State Agricultural Extension Service or State Agricultural Experiment Stations for additional information, as the timing, number, and rate of applications will vary with local conditions.

DIRECTIONS FOR USE

BEFORE USING MIX CONTENTS THOROUGHLY — STIR OR ROLL! Pour recommended amount of this material 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.

RECOMMENDATIONS

Unless otherwise specified, application can be made on the day of harvest and crops can be grazed without time delay if directions for use on the crops are followed.

Maximum permissible rate per acre, expressed as SEVIN 2 FLOWABLE, is given in parenthesis, (), after each crop claim.

FRUIT AND NUT CROPS

Unless otherwise specified, rates are in terms of SEVIN 2 FLOWABLE per 100 gallons of dilute spray. If concentrate sprayers are used, the amount

per 100 gallons should be adjusted in order to apply the same quantity of active ingredient per acre. Make first application when insects appear or damage is observed. Repeat as necessary.

ALMONDS: Fruit Tree Leaf Roller, Peach Twig Borer, San Jose Scale, use 2 qts. Apply in "Popcorn" or Petal Fall Stages and again when the May Brood of the Peach Twig Borer begins or thereafter as needed. (16 qts.)

APPLES, PEARS — East of the Rocky Mountains: Apple Maggot, Codling Moth, Pear Apple Aphid, White Apple Leafhopper, Use 1 or 2 qts. Apply in "Popcorn" or Petal Fall Stages and again when the May Brood of the Peach Twig Borer begins or thereafter as needed. (16 qts.)
APPLES, PEARS — West of the Rocky Mountains: Aphids (Green Apple, Woolly Apple), Apple Sucker, Sawworm, California Pear-Slug, Codling Moth, Eye-Spotted Bud Moth, Green Fruitworm, Lygus Bugs, Nites (Apple Rust, Pear Leaf BILSTER, Pear Rust), Pear Psylla, Periodical Cicada, Plum Curculio, Red-banded Leaf Roller, Scales (Lecanium, Oystershell, San Jose), Tarnished Plant Bug, Tentiform Leaf Miners, Use 2 qts. When heavy Aphid infestations are present, repeated applications may be necessary for optimum control. To control Rosy Apple Aphids, apply before leaves are curled. For optimum Scale control, apply when Crawlers are present. Apply at 10 day intervals for Apple Maggot control. Applications within 30 days after full bloom may also provide apple 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. Do not apply within 1 day of harvest. (24 qts.)

APPLES, PEARS — West of the Rocky Mountains: Aphids (Green Apple, Woolly Apple), Apple Sucker, Sawworm, California Pear-Slug, Codling Moth, Eye-Spotted Bud Moth, Green Fruitworm, Lygus Bugs, Nites (Apple Rust, Pear Leaf BILSTER, Pear Rust), Orange Tortix, Pear Psylla, Scales (Lecanium, Oystershell, San Jose), Tentiform Leaf Miners, Use 1 1/2 to 2 qts. For optimum Scale control, apply when Crawlers are present. For Psylla control, apply when eggs hatch or when young nymphs are present. When heavy Aphid infestations are present, repeated applications may be necessary for optimum control. Applications within 30 days after full bloom may also provide Apple thinning. To avoid this, delay use until at least 30 days after bloom. Foliar injury may result from combination with Summer Oils. Do not apply within 1 day of harvest. (24 qts.)

APPLE THINNING: Many factors influence the degree of Apple Thinning obtained with SEVIN. These include tree age, variety and nutrition, previous crop, pruning, degree of set, bloom, weather and use of other chemical thinners. When any of these favor reduced fruit set, caution should be observed in applying so that excessive thinning and possible yield reduction will not occur. Use 1/2 to 1 qt. on easily-thinned varieties. Apply for full coverage. Use 1 to 2 qts. on hard-to-thin varieties. Apply in one spray timed between 10 and 25 days after full bloom. Easily-thinned varieties include Cortland, Grimes, Jonathan, McIntosh, Orleans, Puritan, Red Delicious, Rome Beauty, Winesap, and Yellow Newton. Difficult-to-thin varieties include Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent, and York Imperial.

APRICOTS, NECTARINES, PEACHES: Codling Moth, Cucumber Beetles, European Fruit Fly, Fruit Tree Leaf Roller, Japanese Beetle, June Beetles, Lesser Peach Tree Borer, Periodical Cicada, Plum Curculio, Red-banded Leaf Roller, Scales (Lecanium, Oystershell, San Jose), Tarnished Plant Bug, Tentiform Leaf Miners, Use 2 qts. For optimum Scale control, apply when Crawlers are present. For Lesser Peach Tree Borer control, spray limbs and trunk thoroughly, weekly during moth flight. Do not apply within 1 day of harvest of Peaches, 3 days of harvest of Apricots and Nectarines. (16 qts.)

BLACKBERRIES, BOYSENBERRIES, RASPBERRIES, LOGANBERRIES, RASPBERRIES: Japanese Beetle, Leafhoppers, Leaf Rollers, Raspberry Aphid, Use 4 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within 7 days of harvest. (4 qts.)

BLUEBERRIES: Blueberry Maggot, European Fruit Lecanium, Fruitworms (Cherry, Raspberry), Japanese Beetle, Use 3 to 4 qts. per acre. A dilute spray of 125-150 gals. water per acre is suggested. Apply 3 weeks before harvest and repeat 10 days later or as necessary. (4 qts.)

SEVIN 2 Flowable

AGRICULTURAL INSECTICIDE AQUEOUS SUSPENSION

ACTIVE INGREDIENT: Carbaryl: (1-naphthyl N-methylcarbamate) 22.5%
INERT INGREDIENTS: 77.5%

Contains 2 lbs. SEVIN per gallon

100.0%

*Trade Mark of Union Carbide Corporation for the active ingredient 1-naphthyl N-methylcarbamate. U.S. Pat. No. 2,903,478.

CAUTION

Keep Out of Reach of Children

HARMFUL IF INHALED OR SWALLOWED.

Do not breathe spray mist or take internally. Avoid contact with skin. Wear gloves and long sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating or smoking. Wash thoroughly after handling. Do not contaminate food or feed.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible, cholinesterase inhibitor. ATROPINE IS ANTIDOTAL.

PRODUCT FREEZING TEMPERATURE: 32°F. Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeated freezing-thawing cycles may impair utility.

GAL. NET

EPA Reg. No. 476-2104

ARC 711007-0

Made in U.S.A.

STAUFFER CHEMICAL COMPANY
NEW YORK, NY 10017

CITRUS: Orange, Lemon, Grapefruit, Citrus, etc. Do not apply in dosage early in season. Use 2 qts. per 100 gal. water.
FRUIT FLY: Use 2 qts. per 100 gal. water.
FRUIT ELY: Use 2 qts. per 100 gal. water.
FRUIT ROLLER: Use 2 qts. per 100 gal. water.
FRUIT WORM: Use 2 qts. per 100 gal. water.
GRAPES: European Grape Moth, Japanese Grape Moth, etc. Use 2 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within 7 days of harvest.
OLIVES: Olive Fruit Fly, etc. Use 2 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within 7 days of harvest.
STRAWBERRIES: Strawberry Weevil, etc. Use 2 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within 7 days of harvest.
WATERMELONS: Watermelon Borer, etc. Use 2 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within 7 days of harvest.

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ICAL COMPANY

ARK, NY 10017

CITRUS CROPS: Citrus Red Scale, Citrus Green Scale, Citrus Black Scale, Citrus Brown Scale, Citrus Yellow Scale, Citrus White Scale, Citrus Red Scale, Citrus Green Scale, Citrus Black Scale, Citrus Brown Scale, Citrus Yellow Scale, Citrus White Scale. Use 2 qts. per acre. Do not apply less than 10 days before harvest. (2 1/2 qts. per 100 gals. water.)

PEACHES: Peach Tree Borer, Peach Tree Weevil, Peach Tree Scale, Peach Tree Aphid, Peach Tree Leaf Miner, Peach Tree Caterpillar, Peach Tree Mite, Peach Tree Flea Beetle, Peach Tree Flea Beetle, Peach Tree Flea Beetle, Peach Tree Flea Beetle. Use 2 to 4 qts. per acre. Do not apply within 1 day of harvest. (1 1/2 qts. per 100 gals. water.)

CRANBERRIES: Cutworms, Fireworms, Fruitworms, Japanese Beetle, Leafhoppers. Use 3 to 6 qts. per acre. A dilute spray of 300 gals. water per acre is suggested. Apply in late bloom and as needed at 7 to 10 day intervals. Do not apply within 1 day of harvest. (6 qts.)

FILBERTS: Filbert Aphid, Filbert Leaf Roller, Filbert Moth. Use 2 qts. per acre. A dilute spray of 400 gals. water per acre is suggested. Apply when leaf roller eggs are hatching. Repeat on first appearance of adult Filbert Moths and again 3 to 4 weeks later. (10 qts.)

GRAPES: European Fruit Lecanium, Grape Leaf Folder, Grape Leafhoppers, Grape Leaf Skeletonizer, Use 2 to 4 qts. per acre. Grape Berry Moth, Japanese Beetle, June Beetle, Red-Banded Leaf Roller. Use 4 qts. per acre. A dilute spray of 200 gals. water per acre is suggested. Apply just before first brood of leaf folder larvae emerge from rolls and as needed for leafhoppers. (6 qts.)

OLIVES: Olive Scale. Use 1 1/2 to 2 qts. with 1 1/2 gals. Summer Oil. For optimum scale control apply when crawlers are present. A maximum of 2 applications is permitted. (16 qts.)

STRAWBERRIES: Meadow Spittlebug, Strawberry Leaf Roller, Strawberry Weevil. Use 2 to 4 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within 1 day of harvest. (4 qts.)

NUTS: Codling Moth, Fruitworm, Fruit Tree Leaf Roller, Scales (Calico, European Fruit Lecanium, Flatback). Use 1 qt. per acre. Spray 1000 gals. water per acre for complete coverage. In concentrate sprayers use 10 qts. in at least 200 gals. water per acre. For Codling Moth, apply first spray when average cross sectional diameters of developing nuts reaches 1/2 to 3/4 inch. Repeat during middle or late June as needed. European Earwig. Use 4 qts. per 100 gals. water and spray tree trunks to runoff.

FIELD AND VEGETABLE CROPS: Unless otherwise specified, rates are in terms of SEVIN 2 FLOWABLE per acre in sufficient water for thorough coverage. Where a dosage range is indicated on vegetables, use lower rate on young plants; higher rate on mature plants. Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary unless shorter interval is specified.

ASPARAGUS: Asparagus Beetle on seedlings or spears. Use 2 to 4 qts. Do not apply more often than once every 3 days. Do not apply within 1 day of harvest. (4 qts.) Post-harvest: Asparagus Beetle and Apache Cicada on ferns or brush growth. Use 4 to 8 qts. (8 qts.)

BEANS (GREEN LIMA BEAN, COMPEAS, BLACK-EYED PEAS): Mexican Bean Beetle, Use 1 qt. per acre. Bean Leaf Beetle, Cucumber Beetle, Flea Beetle, Japanese Beetle, Leafhoppers, Three-Cornered Avana Hopper, Trips, Vine Borers, Caterpillars, Use 2 qts. Armyworms, Corn Earworm, Stink Bugs, Tarnished Plant Bugs. Use 2 to 3 qts. Compeas (on cow-

peas only). Use 4 qts. Apply 4 applications beginning at first bloom and at 5 day intervals thereafter. In California: Corn Earworm, Lima Bean Pod Borer, Luma and Stink Bugs. Use 4 qts. (Compeas—4 qts., all others 2 1/2 qts.)

CABBAGE, CHINESE CABBAGE, COLLARDS, DANDELION, ENDIVE (ESCAROLE), LETTUCE, MUSTARD GREENS, SPINACH, SWISS CHARD, TURNIPS: Flea Beetles, Harlequin Bug, Cabbage Looper, Cabbage Root Fly, Cabbage Root Weevil, Cabbage Root Flea Beetle, Cabbage Root Flea Beetle, Cabbage Root Flea Beetle, Cabbage Root Flea Beetle. Use 2 to 4 qts. For optimum control of flea beetles, apply 4 applications beginning at first bloom and at 5 day intervals thereafter. Where cabbage looper is the principal problem, use an alternative pesticide that is specifically recommended. For control of small Cabbage Loopers in commercial plantings after edible portions begin to form use 2 to 4 qts. in a 5 to 7 day schedule. To avoid possible injury on lettuce, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. Do not apply within 3 days of harvest of Head Lettuce, Garden Beets (roots), Horseradish, Radishes, Parsnips, Rutabagas, Salsify (roots), and Turnips (roots). Do not apply within 14 days of harvest of Chinese Cabbage, Collards, Dandelion, Endive (Escarole), Garden Beets (tops), Kale, Leaf Lettuce, Mustard Greens, Parsley, Salsify (tops), Spinach, Swiss Chard and Turnips (tops). (4 qts.)

COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KOLRABI): Flea Beetles, Harlequin Bug. Use 1 to 2 qts. Cabbage Looper, Cabbage Root Fly, Cabbage Root Weevil, Cabbage Root Flea Beetle, Cabbage Root Flea Beetle, Cabbage Root Flea Beetle, Cabbage Root Flea Beetle. Use 2 to 4 qts. Where Cabbage Looper is the principal problem, use an alternative pesticide that is specifically recommended. For control of small Cabbage Loopers in Commercial plantings after edible portions begin to form, use in a 5 to 7 day schedule. Do not apply within 3 days of harvest. (4 qts.)

CORN: Corn Earworm, Corn Rootworm Adults, European Corn Borer, Fall Armyworm, Flea Beetles, Japanese Beetle, Leafhoppers, Sap Beetles. Use 2 to 4 qts. 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 first silks appear and continuing until silks begin to dry. Three or more applications may be required depending on severity of infestation. Timing and good coverage are absolutely essential for effective control. Cutworms, use 4 qts. Application to the tassel region of corn during the pollen shed period will seriously reduce bee populations. (4 qts.)

CUCUMBERS, MELONS, PUMPKINS, SQUASH: Melonworm, Pickleworm. Use 1 to 2 qts. Cucumber Beetles, Flea Beetles, Leafhoppers, Squash Bugs. Use 2 qts. Avoid excessive application. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. This product injures Watermelons in Florida. (2 qts.)

GARDEN PEAS: Colorado Potato Beetle, Leafhoppers. Use 2 qts. For Colorado Potato Beetle control apply to weeds in fields to help prevent insect contamination in Processed Peas. Armyworms, Grasshoppers. Use 2 to 3 qts. Alfalfa Looper (in Washington State only). Use 4 1/2 qts. (5-1/5 qts.)

PEANUTS: Blister Beetles, Mexican Bean Beetle. Use 1 to 2 qts. Alfalfa Caterpillar, Bean Leaf Beetle, Cucumber Beetles, Green Cloverworm, Japanese Beetle, Leafhoppers, Three-Cornered Avana Hopper, Trips, Vine Borers, Caterpillars, Use 2 qts. Armyworms, Corn Earworm, Stink Bugs, Webworms. Use 2 to 3 qts. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. (3 qts.)

POTATOES, TOMATOES, EGGPLANTS, PEPPERS: Colorado Potato Beetle, Flea Beetles, Leafhoppers. Use 1 to 2 qts. European Corn Borer, Fall Armyworm, Flea Beetles, Stink Bugs, Tarnished Plant Bugs, Tomato Fruitworm, Tomato Rootworm. Use 2 to 4 qts. Cutworms (on Potato, Tomato, Eggplant). Use 4 qts. (4 qts.)

SPECIALTY USES

ADULT MOSQUITO CONTROL: For use on lawns and recreational, non-agricultural lands such as yards, parks, recreation areas, golf courses, military posts and adjacent forested lands or wastelands: Use 1/2 to 1 qt. per acre in suitable low pressure ground equipment. Apply in sufficient spray gallonage to effectively cover area to be treated. For all methods apply in sufficient water to effectively cover area to be treated. By airplane use in 3 to 5 gals. water per acre.

For optimum control apply in early morning or evening when air is calm and adult mosquitoes are active.

Use 2 qt. per 100 gals. in hydraulic sprayers, or 4 teaspoons per gallon in hand sprayers for treating backyards 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.

NOTE: Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

LAWN: Ants, Chinch Bugs, Earwig, Fall Armyworm, Fleas, Leafhoppers, Meadow Spittlebug, Sod Webworms (Lawn Moths), Rootworms. Apply 1/2 qt. 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 of turf. For best results, mow lawn and apply immediately after rain or watering. Repeat in 2 to 3 weeks; if necessary.

NOTE: Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

ORNAMENTAL PLANTS, FLOWERS, SHRUBS AND SHADE TREES: Acanthaceae, Camellia, Gladiolus, Zinnia, Chrysanthemum, Lilac, Arbutus, Juniper, Madroaga, Azalea, Elm, Magnolia, Oak, Dogwood, Birch and Pines. (Do not use on Boston Ivy) — Apply 2 qt. per 100 gal. water (4 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, Boxelder Leaf Miner, Elm Bark Beetle, Elm Leaf Beetle, Flea Beetles, Gypsy Moth, Japanese Quail, June Beetles, Lace Bugs, Leafhoppers, Leaf Rollers, Mealybugs, Mimosa Webworm, Oak Leaf Miner, Osage Orange Caterpillar, Periodical Cicada, Plant Bugs, Puss Caterpillars, Sawflies, Rose Aphid, Rosehopper, Scale Insects, Tent Caterpillars, Thorn Bugs, Thrips (exposed), Willow Leaf Beetles.

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 20 fl. oz. in 1 gal. of spray. Use 1 1/2 gal. per 1000 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 12 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 Fleas, Chicken Mite and Fleas — use 2 qt. per 25 gal. water. For Fowl Lice, use 2 gal. per 25 gal. water. Spray 1 to 2 gal. per 1000 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. Birds should not be housed in treated buildings within 7 days of slaughter. Avoid contamination of nests, eggs and feeding and watering troughs.

NOTICE: Stauffer Chemical Company makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Stauffer's label.