

PIA 19 239-2628

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(Icon) OUTDOOR USE ONLY

ORTHO® SEVIN® Liquid brand carbaryl insecticide FORMULA II

Makes up to 48 gallons of spray {Quart Size}

Kills: Beetles, Caterpillars, Plant Bugs, Gypsy Moth, Apple Maggots, Tomato Hornworm, and other leaf-eating insects.

On: Ornamentals, Roses, Flowers, Shrubs, Shade Trees, Fruit & Nut Trees, Vegetables and Lawns.

Also Controls Ticks which transmit Lyme Disease.

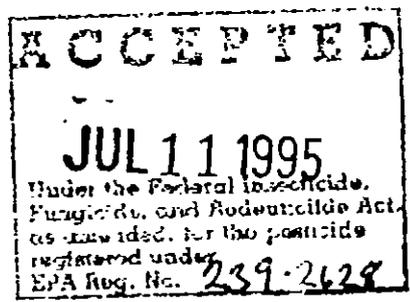
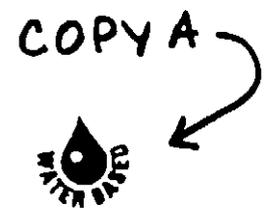
Active Ingredient
 Carbaryl (1-naphthyl N-methylcarbamate).....21.3%
 Inert Ingredients.....78.7%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel booklet for additional precautionary statements

NET CONTENTS 16 FL OZ (1 PT) / 473 mL
 32 FL OZ (1 QT) / 946 mL



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On: Ornamentals, Roses, Flowers, Shrubs, Shade Trees, Fruit & Nut Trees, Vegetables and Lawns.

Controls Ticks which transmit Lyme Disease.

For Home Use Only.

Peel open for use directions and further information

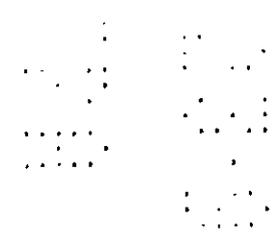
CAUTION: Harmful if swallowed, avoid breathing of spray mist. SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS INSIDE BOOKLET.

PULL HERE TO OPEN LABEL PRESS TO RESEAL

Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

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Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form RS795-A
Product 6013
EPA Reg No 239-2628
EPA Est. 239-1A-3^I, 58996-MO-1^A
Superscript is first letter of lot number
Made in USA



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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Shake container prior to use. Do not use empty container or measuring devices for other purposes. Apply when insects or their damage appear. Repeat as necessary to maintain control, unless spray interval is specified. Do not plant food crops not listed on this label in carbaryl treated soil.

PLANT RESPONSE PRECAUTIONS

Carbaryl insecticide injures Boston Ivy, Virginia Creeper, and Maidenhair Fern. During early season, it may also injure Virginia and Sand Pines.

FOR USE WITH HOSE-END SPRAYERS INCLUDING THE ORTHO DIAL 'n SPRAY® AND TANK-TYPE SPRAYERS.

ORTHO READY-SPRAY DIRECTIONS - HOW TO USE: Connect attached spray nozzle to garden hose. Turn the green water control ON/OFF valve on top of sprayer to the "OFF" position. Turn on water at faucet. Using a coin or key rotate the small green product control valve located near front of nozzle forward to the "OPEN" position. To BEGIN spraying, point spraying nozzle toward plants and turn the green water control ON/OFF valve to "ON" position. The sprayer automatically mixes the product into the spray stream. Spray upper and lower leaf surfaces thoroughly. To STOP spraying, turn green water control ON/OFF valve to "OFF" position. Rotate small green product control valve back to "CLOSED" position. Turn off water at faucet. To relieve pressure on hose, turn the green water control ON/OFF valve to "ON" position before removing nozzle from hose, being careful to point nozzle away from you.

- 1 tsp = Teaspoon
- 1 Tbs = Tablespoon
- 1 Tbs = 1/2 fl oz

RATE TO APPLY: Use 4 tsp of this product per gal of water unless otherwise noted. For use in ORTHO DIAL 'n SPRAY, pour product undiluted into sprayer jar, set dial at 4 tsp per gallon (unless otherwise indicated) and spray. Unused product may be returned to container. Observe plant response precautions and specific directions. Do not exceed dosage rates. The number in parentheses () following each crop refers to the minimum number of days that must be observed between the date of the last application and harvest.

ORNAMENTALS INCLUDING ROSES, SHRUBS, WOODY PLANTS AND TREES

Thorough coverage of upper and lower leaf surfaces and trunks, stems, and twigs is

necessary for control of pests.

ORNAMENTAL AND TREE PESTS CONTROLLED

Ants
 Apple Aphid
 Armyworm
 Azalea Leafminer
 Bagworms
 Birch Leafminer
 Blister Beetle
 Boxelder Bug
 Boxwood Leafminer
 Browntail Moth
 Cankerworms
 Catalpa Sphinx Moth
 Chiggers
 Cooley Spruce Gall
 Adelgid
 Cutworms
 Cypress Tip Moth
 Douglas-Fir Tussock
 Moth
 Eastern Spruce Gall
 Adelgid
 Elm Leaf Aphid
 Elm Leaf Beetle
 Elm Spanworm
 Eriophyd Mites
 European Pine Shoot
 Moth
 Fall Armyworm
 Flea Beetles
 Fuller Rose Beetle
 Gall Midges
 Gall Wasps

Grasshoppers
 Green Striped Maple-
 worm
 Gypsy Moth
 Hackberry Nipplegall
 Maker
 Holly Budmoth
 Holly Leafminer
 Jack Pine Budworm
 Japanese Beetle
 Jeffrey Pine Needle-
 miner
 Lace Bugs
 Leafhoppers
 Leafrollers
 Locust Borer
 Maple Leafcutter
 Mealybug
 Mimosa Webworm
 Nantucket Pine Tip
 Moth
 Oak Leafminers
 Oak Leaf Skeletonizer
 Oakworm Complex
 Oleander Caterpillar
 Olive Ash Borer
 Orangestripped Oak-
 worm
 Orange Tortrix
 Periodical Cicada
 (17 yr. Locust)
 Pine Sawfly

Pine Spittlebug
 Pitch Pine Tip Moth
 Plant Bugs
 Poinsettia Hornworm
 Psyllids
 Puss Caterpillar
 Redhumped Oakworm
 Rose Aphid
 Rose Chafer
 Roseslug
 Saddled Prominent
 Caterpillar
 Sawflies (exposed)
 Scale Insects
 Sowbugs
 Spiny Elm Caterpillar
 Springtails
 Spruce Budworms
 Spruce Needleminer
 Subtropical Pine Tip
 Moth
 Tent Caterpillar
 Thrips (exposed)
 Ticks
 Tree Hoppers
 Walnut Caterpillar
 Webworm
 Western Hemlock
 Looper
 Western Spruce
 Budworm
 Willow Leaf Beetle
 Yellow Poplar Weevil

Combination Spray with Fungicide on Roses: ORTHO FUNGINEX® Rose Disease Control or ORTHO Multi-Purpose Fungicide DACONIL 2787® may be mixed with this product when listed insect(s) and disease(s) are present. Follow directions and precautions on both labels.

VEGETABLE CROPS

Beans - including Black-eyed Peas, Crowder or Southern Peas, Dry Beans, Green Beans, Lima Beans, Navy Beans and Snap Beans (0), Carrots (0); **Corn (0), Cucumber (0), Eggplant (0), Melons (0), Okra (0), Peanuts (0), Pepper (0), Potato (0), Pumpkin (0), Squash (0), Tomatoes (0).

Broccoli (3), Brussels Sprouts (3), Cabbage (3), Cauliflower (3), Cowpeas (3), Beet Roots (3), **Head Lettuce (3), Horseradish (3), Kohlrabi (3), Parsnips (3), Peas (3), Radishes (3), Rutabagas (3), Salsify Roots (3), Turnip Roots (3).

Chinese cabbage (14), Collards (14), Dandelion (14), Endive (14), Escarole (14), Beet Tops (14), Hanover salad (14), Kale (14), Mustard Greens (14), **Leaf Lettuce (14), Parsley (14), Salsify Tops (14), Spinach (14), Swiss Chard (14), Turnip Tops (14).

For control of all vegetable pests listed below, apply spray to cover upper and lower leaf surfaces.

PESTS CONTROLLED

Alfalfa Caterpillar	Flea Beetles	Sap Beetles
Armyworm	Grasshoppers	Southwestern Corn Borer
Aster Leafhopper	Green Cloverworm	Spittlebugs
Bean Leaf Beetle	Harlequin Bug	Squash Bugs
Blister Beetles	Imported Cabbageworm	Stinkbugs
Chinch Bug	Japanese Beetle	Tarnished Plant Bug
Colorado Potato Beetle	Lace Bugs	Three Cornered Alfalfa Hopper
Corn Earworm	Leafhoppers	Thrips
Corn Rootworm (adults)	Lygus Bugs	Tomato Fruitworm
Cucumber Beetles	Melonworm	Tomato Pinworm
Cutworms	Mexican Bean Beetle	Tortoise Beetles
European Corn Borer	Pickleworm	Velvet Bean Caterpillar
Fall Armyworm	Red-Necked Peanut-worm	

**Specific Directions: Corn - 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 feeder. apply as necessary. Optimum timing and good coverage are essential for effective control. Lettuce: Treat on a 5 to 7 day schedule after heads begin to form.

FRUIT, BERRY AND NUT TREE CROPS:

Blueberries (0), Grapes (0), Filberts (0), Pecans (0), Walnuts (0), Apples (1), Cherries (1), Peaches (1), Pears (1), Plums (1), Prunes (1), Strawberries (1), Apricots (3), Nectarines (3), Grapefruit (5), Lemons (5), Limes (5), Oranges (5), Tangelos (5), Tangerines (5), Citrus Citron (5), Kumquats (5), Blackberries (7), Boysenberries (7), Dewberries (7), Loganberries (7), Raspberries (7), Almonds (28).

PESTS CONTROLLED

Apple Aphid	Filbert Aphid	Pear Leaf Blister Mite
Apple Maggot	Filbert Leafroller	Pear Psylla*
Apple Mealybug	Filbertworm	Pear Rust Mite
Apple Pandemis	Forbes Scale*	Pecan Leaf Phylloxera
Apple Rust Mite	Fruit Tree Leafroller	Pecan Nut Casebearer
Apple Sucker	Frosted Scale*	Pecan Spittlebug*

Bagworms
 Black Cherry Aphid
 Black Margined Aphid
 Black Scale*
 Brown Soft Scale*
 Calico Scale
 California Orangedog
 California Pearslug
 (Pear Sawfly)

 California Red Scale*
 Cherry Maggot
 Citricola Scale*
 Citrus Cutworm
 Citrus Snow Scale*
 Codling Moth*
 Cucumber Beetles
 Eastern Tent Caterpillar
 European Apple Sawfly
 European Raspberry Aphid

 Eyespotted Bud Moth
 Fall Webworm

Grape Leafhopper
 Grape Leaffolder*
 Green Fruitworm
 Hickory Shuckworm
 Japanese Beetle

 Leafhoppers
 Leafrollers
 Lecanium Scales*
 Lesser Appleworm
 Lesser Peachtree Borer*
 Lesser Webworm
 Meadow Spittlebug
 Mealy Plum Aphid
 Navel Orangeworm
 Olive Scale*
 Omnivorous Leaf-tier
 (Strawberry fruit-
 worm)
 Orange Tortrix
 Oriental Fruit Moth
 Oyster Shell Scale*
 Peach Twig Borer*

Pecan Weevil
 Periodical Cicada
 Plum Curculio
 Prune Leafhopper

 Redbanded Leafroller
 Rose Chafer
 Rosy Apple Aphid
 San Jose Scale*
 Snowy Tree Cricket
 Strawberry Weevil
 Tarnished Plant Bug
 Tentiform Leafminers
 Twig Girdler
 Tussock Moth
 Variegated Leafroller
 Walnut Caterpillar
 Western Grapeleaf
 Skeletonizer
 Western Tussock Moth
 Western Yellowstriped
 Armyworm
 White Apple Leafhopper
 Woolly Apple Aphid

*Specific Directions: For Peach Twig Borer, apply in "popcorn" or petal fall stages and again when the April brood of the Peach Twig Borer begins to hatch or thereafter as needed. For Pear psylla control, apply when eggs hatch or young nymphs are present. For optimum Scale control, apply when crawlers are present. For Grape Leaffolder, apply before first brood Leaffolder larvae emerge from rolls. For Lesser Peachtree Borer control, spray limbs and tree trunks thoroughly, weekly during moth flight. For Codling Moth (on Walnuts), apply spray when average cross sectional diameters of developing nuts are 1/2 to 3/4 inch. Repeat during middle or late June as needed.

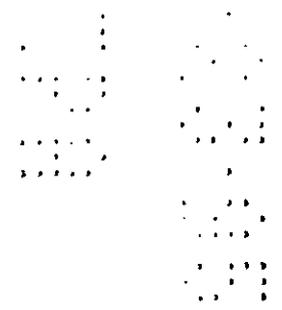
Note: For Citrus, do not apply less than 10 gal of dilute spray mixture per 8 - 12" tree. May be mixed with horticultural spray oils commonly used on Citrus.

HOME LAWNS AND HOME RECREATION AREAS

For best results, mow lawn and apply after watering or rains. Apply sufficient spray volume for thorough coverage. Repeat as necessary.

LAWN PEST CONTROL TABLE

Pests	Pests	
Ants	Grasshoppers	Bluegrass Billbug
Armyworms**	Leafhoppers	Chinch Bugs*
Centipedes	Lucerne Moth	Sod Webworms**



- | | | |
|-----------------|------------------|--|
| Chiggers | Millipedes | European Crane Fly Larvae***
(Leather Jacket) |
| Cutworms** | Mosquito (Adult) | Fleas |
| Earwigs | Sowbugs | Whitegrubs (such as larvae of Japanese Beetle, |
| Essex Skippers | Spittlebugs | European Chafer, May/June Beetles
[Phyllophaga, spp.]**** |
| Fall Armyworm** | Springtails | |
| Fiery Skipper | Ticks | |

RATE TO USE: Use 8 fl oz (1 Cup) in 16 gal of water to cover 1500 sq ft (25' x 60') of established lawn (or 1 Tbs in one gal of water to cover 94 sq ft)

RATE TO USE: Use 8 fl oz (1 Cup) in 16 gal of water to cover 675 sq ft (25' x 27') of established lawn (or 1 Tbs in one gal of water to cover 42 sq ft)

FOR USE IN ORTHO DIAL 'n SPRAY HOSE-END SPRAYER:

Pour 8 oz (1 Cup) of undiluted product into sprayer jar. Do not add water. Set dial on sprayer at 1 Tbs per gal and apply evenly over 1500 sq ft (25' x 60') area of lawn.

Pour 8 oz (1 Cup) of undiluted product into sprayer jar. Do not add water. Set dial on sprayer at 1 Tbs per gal and apply evenly over 675 sq ft (25' x 27') area of lawn.

IMPORTANT * For Chinch Bugs: Treat entire area,

****For Armyworm, Cutworm, Fall Armyworm and Sod Webworm:** Do not water treated areas following application.

*****For European Crane Fly (Except in CA):** Apply in early spring April 1 to April 15, or as recommended by local Agricultural Extension Service. Water lawn thoroughly after treatment.

******For White Grub:** Apply when grubs are feeding near the soil surface usually during late March through May, or July to early September or as recommended by local Agricultural Extension Service. Water lawn thoroughly after treatment.

IMPORTED FIRE ANT CONTROL - MOUND TREATMENT (SPRINKLING CAN)

Use 1 fl oz per gal of water. Apply 2 gal of diluted solution over each mound. Thoroughly wet mound and surrounding areas to a 4 ft diameter. Do not disturb mounds prior to treatment. For best results, apply in cool weather, 65 to 80°F; or in early morning or late evening. Repeat application if activity resumes after 10 days. Treat new mounds as they appear.

CONTROL OF TICKS WHICH TRANSMIT LYME DISEASE

For control of Deer, Bear, Black Legged, and Lone Star Ticks Apply two Tbs (1 fl oz) per gallon of water. With DIAL 'n SPRAY pour product into sprayer jar (do not add water). Set dial at 1 oz per gal of water and spray to wet foliage. Begin applications in late spring or early summer (May/June). Thoroughly treat entire

turf area, shrub-beds, ornamental plantings, wooded areas, and around outside perimeters of homes/buildings where ticks may occur. Retreat at 3 to 4 week intervals until late fall, since ticks may be reintroduced from surrounding areas by animals.

ADULT MOSQUITO CONTROL IN YARDS AND HOME RECREATION AREAS

For application to shade trees, ornamentals, woody plants and shrubs, apply 1 to 2 Tbs per gal of water. Treat shrubbery and areas where adult mosquitoes congregate. Treat when ~~adult~~ mosquitoes are active in early morning or later evening. Repeat at 7 to 10 day intervals. (Note: Carbaryl may kill shrimp and crabs; Observe Bee caution.)

PEST CONTROL AROUND OUTSIDE OF BUILDINGS

(HOMES, BARN)

To Control: Brown Dog Ticks, Fleas, Earwigs, Millipedes, Silverfish. Apply at the rate of 7 oz/gal of water as a coarse wet spray to outside perimeter of dwellings and other areas where insects tend to congregate. Do not apply this rate to foliage of plants.

HOME POULTRY ROOSTS AND CHICKEN COOPS

To Control: Bed Bugs, Chicken Mites, Fleas, Lice, Northern Fowl Mite. Use 5 Tbs per gal of water. Apply at the rate of 12 to 25 oz of spray mixture per 100 sq ft of wall, litter or roost surface. Force spray into cracks. Repeat as needed. Avoid contamination of nests, eggs and feeding and watering troughs. Do not treat premises within 7 days of slaughter.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container, in cool, dry area out of reach of children and animals, preferably in a locked storage area. Do not store in areas where temperatures frequently exceed 100°F. After use, replace cap on insecticide container. Rinse hose-end unit outdoors with clear water.

DISPOSAL: PRODUCT-Partially filled containers may be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash.

CONTAINER-Do not reuse empty container. Rinse thoroughly before discarding in trash. Securely wrap in several layers of newspaper and discard in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: 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.

FIRST AID: 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. **Note to Physician:** Emergency Information call 1-800-454-2333.

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

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ENVIRONMENTAL HAZARDS: This product is extremely toxic to aquatic and estuarine invertebrates and toxic to birds and other wildlife. Do not apply directly to water, Do not contaminate water when disposing of equipment washwaters.

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 for further information.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

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Monsanto Company
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San Ramon CA 94583-0808
Form RS795-A
Product 6013
EPA Reg No 239-2628
EPA Est. 239-IA-3¹, 58996-MO-1^A
Superscript is first letter of lot number.



ORTHO Sevin Liquid Brand Carbaryl Insecticide Formula II; EPA Reg.
No. 239-2628

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