

264-334

09-30-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

SEP 30 2009

Bayer Environmental Science
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, NC

Subject: Sevin brand RP2 Carbaryl Insecticide
 EPA Reg. No. 264-334
 Your Application Dated September 25, 2009
 Minor Label Revision

Dear Mr. Mattern;

The label referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one copy of the final printed label before releasing the product for shipment. You may distribute products bearing the old label for 12 months from receipt of this letter or until the next printing of the label, whichever comes first.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne S. Edwards".

Joanne S. Edwards
Insecticide-Rodenticide Branch
Registration Division (7504P)

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SEVIN[®] brand RP2 Carbaryl Insecticide

This label contains two separate sub-label statements for Pump Sprayer / Hose-end sprayer Concentrate product packaging and Pre-packaged Hose-end Ready-to-Spray product packaging.

FOR OUTDOOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENTS: Carbaryl (1-naphthyl N-methylcarbamate).....	22.5% by wt.
OTHER INGREDIENTS:	77.5% by wt.
(Contains 2 Pounds Carbaryl per Gallon)	

EPA Reg. No. 264-334

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

Optional advertising/marketing claims:

[Home and Garden Insecticide]

[Kills Japanese Beetles]

[Bug Killer]

[Kills over 100 Listed Insects on Vegetables, Fruits, and Ornamentals]

[Kills over 80 Different Insects on Trees, Ornamentals, Shrubs, and Flowers]

[16 oz. makes up to 10 gallons] – Concentrate product packaging only

[32 oz. makes up to 21 gallons] – Concentrate product packaging only

[Ready to Spray] – Pre-packaged Ready-to-Spray (hose-end applicator) product packaging only

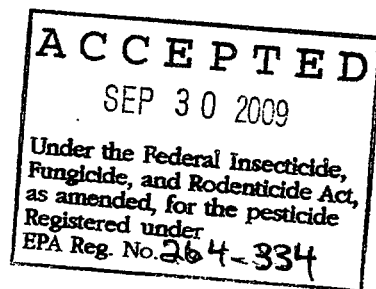
[Shake Well and Spray] – Pre-packaged Ready-to-Spray (hose-end applicator) product packaging only

Net Contents: (Various sizes; up to one gallon)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back panel for additional precautionary statements

Editorial Note: [Bracketed text] is optional language or editorial noting



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(Pump Sprayer / Hose-end Sprayer Concentrate product label)

SEVIN[®] brand RP2 Carbaryl Insecticide Concentrate

FOR OUTDOOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENTS: Carbaryl (1-naphthyl N-methylcarbamate)..... 22.5% by wt.

OTHER INGREDIENTS: 77.5% by wt.

(Contains 2 Pounds Carbaryl per Gallon)

EPA Reg. No. 264-334

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

Optional advertising/marketing claims:

[Home and Garden Insecticide]

[Kills Japanese Beetles]

[Bug Killer]

[Kills over 100 Listed Insects on Vegetables, Fruits, and Ornamentals]

[Kills over 80 Different Insects on Trees, Ornamentals, Shrubs, and Flowers]

[16 oz. makes up to 10 gallons]

[32 oz. makes up to 21 gallons]

Net Contents: (Various sizes; up to one gallon)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back panel for additional precautionary statements

Editorial Note: [Bracketed text] is optional language

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(Pump Sprayer / Hose-end Sprayer Concentrate product label)

FIRST AID

This product is a N-methyl carbamate that inhibits cholinesterase

IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

You may also contact 1-800-xxx-xxxx for emergency treatment information.

NOTE TO PHYSICIAN: Carbaryl is a N-methyl carbamate that inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridene-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage. To aid in the confirmation of diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen. Analysis will be arranged by Bayer CropScience. Consultation on therapy can be obtained at all hours by calling the appropriate emergency number 1-XXX-XXX-XXXX (U.S.A.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-XXX-XXX-XXXX

For PRODUCT USE Information Call 1-XXX-XXX-XXXX

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS



CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. 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. Wash thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water or allow drift to water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

BEE CAUTION: MAY KILL HONEYBEES AND OTHER BEES. This product is highly toxic to honeybees and other bees. Do not apply to plants in bloom.

<p>DIAL-STYLE HOSE-END SPRAYERS</p>  <p>(Optional; or similar graphic)</p>	<p><i>Best for spraying larger areas.</i></p> <ol style="list-style-type: none"> 1. Fill sprayer jar with enough product for the area to be treated. DO NOT ADD WATER. 2. Close sprayer, set dial, hook to garden hose and apply. To avoid contact with the treated area, begin by spraying area farthest from faucet walking backwards as you spray. 3. Pour any unused product back into this original container.
<p>CONCENTRATE PLUS WATER HOSE-END SPRAYERS</p>  <p>(Optional; or similar graphic)</p>	<p><i>Best for spraying larger areas.</i></p> <ol style="list-style-type: none"> 1. Pour product into sprayer jar to the required 'Fluid Ounce' level. 2. Add the appropriate amount of water to the 'Gallons' level. 3. Close sprayer, hook to garden hose, shake well & apply. To avoid contact with the treated area, begin by spraying area farthest from faucet walking backwards as you spray.

GARDEN VEGETABLES

To effectively kill the vegetable pests listed below, mix 1.5 fl. oz. of product per gallon of water and apply product in adequate volume to effectively cover both the upper and lower surfaces of the plant.

PHI refers to the minimum interval in days that must be observed between the date of the last application and date of harvest. APP refers to the maximum number of applications per crop per year.

Vegetable	PHI	APP
Asparagus	1	3
Brassica head and stem vegetables*: Broccoli, Brussels sprouts, Cabbage, Cauliflower, Chinese cabbage, Kohlrabi	3	4
Brassica leafy green vegetables*: Chinese cabbage, Collards, Kale, Mustard greens, Mustard spinach, Turnip greens	14	4
Corn (sweet)	2	8
Cucurbit vegetables: Cucumber, Melons, Pumpkin, Squash	3	6
Dried shelled legume vegetables**: Adzuki bean, Blackeyed pea, Cowpea, Field bean, Kidney bean, Lentils, Lima bean (dry), Mung bean, Navy bean, Pinto bean, Southern pea	21	4
Edible-podded legume vegetables**: Dwarf pea, Edible-pod pea, Jack bean, Snap bean, Snow pea, Sugar snap pea, Wax bean, Yardlong bean.	3	4
Fruiting vegetables: Eggplant, Groundcherry, Okra, Peppers, Tomatoes	3	7
Leafy vegetables: Cardoon, Celery, Celuice, Florence fennel, Dandelion, Endive, Lettuce (head and leaf), Parsley, Rhubarb, Spinach, Swiss chard	14	5
Root and Tuber vegetables (except sugar beets and sweet potatoes): Artichoke (Chinese and Jerusalem), Carrots, Garden Beets (roots and tops), Ginger, Ginseng, Horseradish, Parsnip, Potato, Radish, Rutabega, Salsify, Turnip (roots and tops), Yams	7	6
Sweet Potatoes	7	8

PESTS

Alfalfa Caterpillar, Apache cicada, Armyworms, Asparagus beetle, Aster leafhopper, Bean leaf beetle, Chinch bug, Colorado potato beetle, Corn earworm, Corn rootworm Adult, Cowpea curculio, Cucumber beetle, Cutworms, European corn borer, Fall armyworm, Flea beetles, Grasshoppers, Green Cloverworm, Harlequin bug, Imported cabbageworm, Japanese beetle, Lace bugs, Leafhoppers, Lima Bean pod Borer, Lygus bugs, Melon worm, Mexican bean beetle, Pea weevil, Rednecked peanutworm, Sap Beetles, Southwestern corn borer, Spittlebugs, Squash bugs, Stink bugs, Sweet potato weevil, Three cornered alfalfa hopper, Thrips, Tomato hornworm, Tomato pinworm, Tortoise beetle, Velvetbean Webworms, Western bean Cutworm, Whitefringed Beetle (adults), Yellowstriped Armyworm

* Application is only permitted within 30 days of crop emergence or the date of transplanting.
 ** Do not use on fresh/succulent peas and beans.

FRUITS

This product may be used as a spot treatment for localized pest infestations on the tree fruits listed below. Do not use on large trees or where pest populations are generally inaccessible to spray deposits, as inadequate performance will result.

Mix 3.0 fl. oz. of product per gallon of water and spray upper and lower leaf surfaces and between fruit clusters and on small limbs and trunks to the point of runoff where pest appear. Repeat applications as necessary up to a total of eight times per year for tree fruits or five times per year for small fruits, but not more often than once every seven days.

NOTE: To avoid undesired apple thinning delay use until at least 30 days after full bloom. Carbaryl insecticide may injure early dawn and sunrise strawberry varieties on the Delmarva Peninsula. The number in parenthesis following each fruit and nut crop grouping refers to the minimum interval that must be observed between the date of the last application and the date of harvest.

TREE FRUITS	PESTS
Apples, Apricots, Cherries, Nectarines, Peaches, Pears, Plums, Prunes (3 days until harvest)	Apple aphid, Apple maggot, Apple mealybug, Apple pandemic, Apple rust mite, Apple sucker, Avocado Leafroller, Bagworms, Black Cherry Aphid, Black scale, Leafrollers, Lecanium scales, Lesser appleworm, Lesser peachtree borer, Meadow spittlebug, Omnivorous leaftier, Strawberry fruitworm, Orange tortrix
Orange, Grapefruit, Lemon, Lime, Citrus Hybrids (e.g., Tangelo), Mandarin (Tangerine), Pummelo, Calamondin, Citron, Kumquat (5 days until harvest)	Apopka weevil (adult), Avocado leafroller, California orangedog, Citrus cutworm, Citrus root weevils (adults), Citrus rust mite, Eriophyid mites, Fruittree leafroller, Fuller rose beetle, and Little leaf notcher (adult), Orange tortrix, Plant bugs, Scale insects [Black scale, brown soft scale, California red scale (except in California), citrus snow scale, yellow scale (except in California)], Western tussock moth
SMALL FRUITS	PESTS
Blackberries, Blueberries, Dewberries, Grapes, Raspberries, Strawberries (7 days Until harvest)	Blueberry maggot, Brown soft scale, California red scale, Cherry fruitworm, Cherry maggot, Citrus cutworm, Citrus root weevil, Citricola scale, Citrus cutworm, Citrus snow scale, Codling moth, Cucumber beetles, Cutworms, Eastern tent caterpillar, Eightspotted forester, European apple sawfly, European earwig, European raspberry aphid, Eyespotted budmoth, Forbes scale, Fruittree leafroller, Grape berry moth, Grape leaf folder, Grape leafhopper, Green fruitworm, Japanese beetle, June beetles, Leafhoppers, Oriental fruit moth, Oystershell scale, Peach twig borer, Pear leaf blister mite, Pear psylla, Pear rust mite, Periodical cicada, Plum curculio, Prune leafhopper, Raspberry sawfly, Red-banded leafroller, Rose chafer, Rosy apple aphid, Saltmarsh caterpillar, San Jose scale, Snowy tree cricket, Fireworm, Strawberry weevil, Tarnished plant bug, Tentiform leafminers, Tussock moth, Variegated leafroller, Western grapeleaf skeletonizer, Western tussock moth, West Indian sugarcaneborer (adults), Western yellowstripe armyworm, White apple leafhopper, Woolly apple aphid, Yellow headed fireworm

ORNAMENTAL TREES, SHRUBS AND FLOWERS

This product may be used as a spot treatment for localized pest infestations on trees. Do not use on large trees or where pest populations are generally inaccessible to spray deposits.

Mix 1.5 fl. oz. of product per gallon of water and spray upper and lower leaf surfaces and small trunks, stems and twigs to the point of runoff where pests appear. Repeat applications as necessary up to a total of four times per year for trees and six times per year for ornamental, shrubs and flowers, but not more often than once every seven days.

ORNAMENTAL TREES, SHRUBS AND FLOWERS	PESTS
Ornamental Trees, Shrubs and Flowers	Ants (excluding harvester, carpenter, and pharaoh ants), Apple aphid, Armyworm, Azalea leafminer, Bagworms, Birch leafminer, Blister beetle, Boxelder bug, Boxwood leafminer, Browntail moth, Cankerworms, Catalpa sphinx, Chiggers*, Cooley spruce gall, Elm leaf aphid, Elm spanworm, Eriophyid mites, European pine- shoot moth, Fall armyworm, Flea beetles, Fuller rose beetles, Gall midges, Gall wasps, Grasshoppers, Green striped- Mapleworm, Gypsy moth, Hackberry nipplegall makers, Holly budmoth, Holly leafminer, Jackpine budworm, Japanese beetle, Jeffrey pine needleminer, June beetles, Plant bugs, Lace bugs, Leafhoppers, Leafrollers, Locust borer, Maple leafcutter, Mealy bugs, 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, Poinsettia horn worm, Psyllids, Puss caterpillar, Redhumped oakworm, Rose aphid, Rose chafer, Roseslug, Saddled prominent, Sawflies (exposed), Scale insects, Sowbugs, Spiny elm caterpillar, Springtails, Spruce budworm, Spruce needleminer, Subtropical pine tip moth, Tent caterpillar, Thorn bug, Thrips (exposed), Ticks*, Walnut caterpillar-Webworms, Western hemlock loopers, Western spruce budworm, Willow leaf beetles, Yellow poplar-weevil

*Will kill pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

NUISANCE PESTS AROUND OUTDOOR RESIDENTIAL AREAS

This product may be used as a perimeter treatment to kill listed nuisance pests. Mix 3 fl. oz. of product per gallon of water and thoroughly spray the outside perimeter of the home where pests tend to congregate. Use on lawns is prohibited. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Therefore, applications of this product to surfaces where a noticeable residue or discoloration is objectionable should be avoided.

PESTS
Ants (except pharaoh, harvester, and carpenter ants), Bees, Centipedes, Cockroaches, Crickets, Darkling beetles, Earwigs, Firebrats, Fleas, Grasshoppers, Millipedes, Mosquitoes (adults), Scorpions, Silverfish, Spiders, Ticks, and Wasps

[NOTICE: Research and testing have determined that the "Directions For Use" are appropriate for the proper use of this product under expected conditions. To the extent consistent with applicable law, the Buyer assumes responsibility for lack of performance or safety if not used according to the directions].

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(Pre-packaged Hose-end Ready-to-Spray product label)

SEVIN® brand RP2 Carbaryl Insecticide Ready-to-Spray

FOR OUTDOOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENTS: Carbaryl (1-naphthyl N-methylcarbamate).....22.5% by wt.

OTHER INGREDIENTS:77.5% by wt.

(Contains 2 Pounds Carbaryl per Gallon)

EPA Reg. No. 264-334

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

Optional advertising/marketing claims:

[Home and Garden Insecticide]

[Kills Japanese Beetles]

[Bug Killer]

[Kills over 100 Listed Insects on Vegetables, Fruits, and Ornamentals]

[Kills over 80 Different Insects on Trees, Ornamentals, Shrubs, and Flowers]

[Ready to Spray] – Pre-packaged Ready-to-Spray (hose-end applicator) product packaging only

[Shake Well and Spray] – Pre-packaged Ready-to-Spray (hose-end applicator) product packaging only

Net Contents: (Various sizes; up to one gallon)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back panel for additional precautionary statements

Editorial Note: [Bracketed text] is optional language or editorial noting

(Pre-packaged Hose-end Ready-to-Spray product label)

FIRST AID	
This product is a N-methyl carbamate that inhibits cholinesterase	
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>You may also contact 1-800-xxx-xxxx for emergency treatment information.</p>	
<p>NOTE TO PHYSICIAN: Carbaryl is a N-methyl carbamate that inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridine-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage. To aid in the confirmation of diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen. Analysis will be arranged by Bayer CropScience. Consultation on therapy can be obtained at all hours by calling the appropriate emergency number 1-XXX-XXX-XXXX (U.S.A.)</p>	
<p>For <u>MEDICAL</u> and <u>TRANSPORTATION</u> Emergencies <u>ONLY</u> Call 24 Hours A Day 1-XXX-XXX-XXXX</p> <p>For <u>PRODUCT USE</u> Information Call 1-XXX-XXX-XXXX</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. 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. Wash thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water or allow drift to water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

BEE CAUTION: MAY KILL HONEYBEES AND OTHER BEES. This product is highly toxic to honeybees and other bees. Do not apply to plants in bloom.

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(Pre-packaged Hose-end Ready-to-Spray product label)

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

Strictly observe restrictions, precautions, and label directions.

RESTRICTIONS

- Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.
- Do not allow people or pets to enter the treated area until sprays have dried.
- For outdoor use only.
- Not for use on plants grown for sale, commercial use, research, or for commercial seed production.
- Use on lawns is prohibited.

STORAGE AND DISPOSAL

STORAGE

Store unused SEVIN® brand RP2 Carbaryl Insecticide in original container only, 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.

Disposal: If empty: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-XXX-XXX-XXXX for disposal instructions. Never place unused product down any indoor or outdoor drain.

PLANT RESPONSE PRECAUTIONS

Application to wet foliage or during periods of high humidity may cause injury to tender foliage. Do not use on Boston Ivy, Virginia creeper and maidenhair fern as injury may result. Sevin may also injure Virginia and sand pines.

STAINING PRECAUTION

Staining may occur on certain surfaces such as stucco, brick, cinder block, wood, fabrics, and carpet. Spray deposits that could inadvertently reach painted or stained surfaces or finishes (i.e., cars, houses, trailers, boats, etc.) should be immediately removed by washing to prevent discoloration. Avoid applications to surfaces where visible spray residues are objectionable. Tracking of product residues onto fabric or carpet may cause permanent discoloration.

SPECIFIC USE DIRECTIONS

HOSE-END SPRAYER INSTRUCTIONS

This ready-to-spray product delivers a spray solution containing approximately 0.45% carbaryl.

[Note that minor packaging-related modifications may be needed to account for different manufactures of hose-end sprayer heads]

HOW TO USE	<ul style="list-style-type: none"> • Apply when insects or damage appear. Repeat as necessary to kill insects, following the specified spray interval listed in the specific directions below. • Apply when air is calm. • Shake bottle well before use. • Attach garden hose to spray nozzle. • Turn on water supply. • Push safety tab and turn control knob to "Water" position. • Point sprayer nozzle toward targeted plants and turn control knob to "On". Product will automatically mix with water. • Start spraying at the farthest corner of the treatment area and work backward to avoid contact with wet surfaces. • Spray upper and lower leaf surfaces thoroughly. • Allow spray to dry in treated areas before reentering. • Do not apply to large trees. For trees taller than 10 feet, consider hiring a licensed professional.
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GARDEN VEGETABLES

To effectively kill the vegetable pests listed below, apply product in adequate volume to effectively cover both the upper and lower surfaces of the plant.

PHI refers to the minimum interval in days that must be observed between the date of the last application and date of harvest. APP refers to the maximum number of applications per crop per year.

Vegetable	PHI	APP
Asparagus	1	3
Brassica head and stem vegetables*: Broccoli, Brussels sprouts, Cabbage, Cauliflower, Chinese cabbage, Kohlrabi	3	4
Brassica leafy green vegetables*: Chinese cabbage, Collards, Kale, Mustard greens, Mustard spinach, Turnip greens	14	4
Corn (sweet)	2	8
Cucurbit vegetables: Cucumber, Melons, Pumpkin, Squash	3	6
Dried shelled legume vegetables**: Adzuki bean, Blackeyed pea, Cowpea, Field bean, Kidney bean, Lentils, Lima bean (dry), Mung bean, Navy bean, Pinto bean, Southern pea	21	4
Edible-podded legume vegetables**: Dwarf pea, Edible-pod pea, Jack bean, Snap bean, Snow pea, Sugar snap pea, Wax bean, Yardlong bean.	3	4
Fruiting vegetables: Eggplant, Groundcherry, Okra, Peppers, Tomatoes	3	7
Leafy vegetables: Cardoon, Celery, Celtuce, Florence fennel, Dandelion, Endive, Lettuce (head and leaf), Parsley, Rhubarb, Spinach, Swiss chard	14	5
Root and Tuber vegetables (except sugar beets and sweet potatoes): Artichoke (Chinese and Jerusalem), Carrots, Garden Beets (roots and tops), Ginger, Ginseng, Horseradish, Parsnip, Potato, Radish, Rutabega, Salsify, Turnip (roots and tops), Yams	7	6
Sweet Potatoes	7	8
PESTS		
Alfalfa Caterpillar, Apache cicada, Armyworms, Asparagus beetle, Aster leafhopper, Bean leaf beetle, Chinch bug, Colorado potato beetle, Corn earworm, Corn rootworm Adult, Cowpea curculio, Cucumber beetle, Cutworms, European corn borer, Fall armyworm, Flea beetles, Grasshoppers, Green Cloverworm, Harlequin bug, Imported cabbageworm, Japanese beetle, Lace bugs, Leafhoppers, Lima Bean pod Borer, Lygus bugs, Melon worm, Mexican bean beetle, Pea weevil, Rednecked peanutworm, Sap Beetles, Southwestern corn borer, Spittlebugs, Squash bugs, Stink bugs, Sweet potato weevil, Three cornered alfalfa hopper, Thrips, Tomato hornworm, Tomato pinworm, Tortoise beetle, Velvetbean Webworms, Western bean Cutworm, Whitefringed Beetle (adults), Yellowstriped Armyworm		

* Application is only permitted within 30 days of crop emergence or the date of transplanting.

** Do not use on fresh/succulent peas and beans.

FRUITS

This product may be used as a spot treatment for localized pest infestations on the tree fruits listed below. Do not use on large trees or where pest populations are generally inaccessible to spray deposits, as inadequate performance will result.

Spray upper and lower leaf surfaces and between fruit clusters and on small limbs and trunks to the point of runoff where pest appear. Repeat applications as necessary up to a total of eight times per year for tree fruits or five times per year for small fruits, but not more often than once every seven days.

NOTE: To avoid undesired apple thinning delay use until at least 30 days after full bloom. Carbaryl insecticide may injure early dawn and sunrise strawberry varieties on the Delmarva Peninsula. The number in parenthesis following each fruit and nut crop grouping refers to the minimum interval that must be observed between the date of the last application and the date of harvest.

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TREE FRUITS	PESTS
Apples, Apricots, Cherries, Nectarines, Peaches, Pears, Plums, Prunes (3 days until harvest)	Apple aphid, Apple maggot, Apple mealybug, Apple pandemic, Apple rust mite, Apple sucker, Avocado Leafroller, Bagworms, Black Cherry Aphid, Black scale, Leafrollers, Lecanium scales, Lesser appleworm, Lesser peachtree borer, Meadow spittlebug, Omnivorous leaftier, Strawberry fruitworm, Orange tortrix
Orange, Grapefruit, Lemon, Lime, Citrus Hybrids (e.g., Tangelo), Mandarin (Tangerine), Pummelo, Calamondin, Citron, Kumquat (5 days until harvest)	Apopka weevil (adult), Avocado leafroller, California orangedog, Citrus cutworm, Citrus root weevils (adults), Citrus rust mite, Eriophyid mites, Fruitree leafroller, Fuller rose beetle, and Little leaf notcher (adult), Orange tortrix, Plant bugs, Scale insects [Black scale, brown soft scale, California red scale (except in California)], citrus snow scale, yellow scale (except in California)], Western tussock moth
SMALL FRUITS	PESTS
Blackberries, Blueberries, Dewberries, Grapes, Raspberries, Strawberries (7 days Until harvest)	Blueberry maggot, Brown soft scale, California red scale, Cherry fruitworm, Cherry maggot, Citrus cutworm, Citrus root weevil, Citricola scale, Citrus cutworm, Citrus snow scale, Codling moth, Cucumber beetles, Cutworms, Eastern tent caterpillar, Eightspotted forester, European apple sawfly, European earwig, European raspberry aphid, Eyespotted budmoth, Forbes scale, Fruitree leafroller, Grape berry moth, Grape leafroller, Grape leafhopper, Green fruitworm, Japanese beetle, June beetles, Leafhoppers, Oriental fruit moth, Oystershell scale, Peach twig borer, Pear leaf blister mite, Pear psylla, Pear rust mite, Periodical cicada, Plum curculio, Prune leafhopper, Raspberry sawfly, Red-banded leafroller, Rose chafer, Rosy apple aphid, Saltmarsh caterpillar, San Jose scale, Snowy tree cricket, Fireworm, Strawberry weevil, Tarnished plant bug, Tentiform leafminers, Tussock moth, Variegated leafroller, Western grapeleaf skeletonizer, Western tussock moth, West Indian sugarcaneborer (adults), Western yellowstripe armyworm, White apple leafhopper, Woolly apple aphid, Yellow headed fireworm

ORNAMENTAL TREES, SHRUBS AND FLOWERS

This product may be used as a spot treatment for localized pest infestations on trees. Do not use on large trees or where pest populations are generally inaccessible to spray deposits.

Spray upper and lower leaf surfaces and small trunks, stems and twigs to the point of runoff where pests appear. Repeat applications as necessary up to a total of four times per year for trees and six times per year for ornamental, shrubs and flowers, but not more often than once every seven days.

ORNAMENTAL TREES, SHRUBS AND FLOWERS	PESTS
Ornamental Trees, Shrubs and Flowers	Ants (excluding harvester, carpenter, and pharaoh ants), Apple aphid, Armyworm, Azalea leafminer, Bagworms, Birch leafminer, Blister beetle, Boxelder bug, Boxwood leafminer, Browntail moth, Cankerworms, Catalpa sphinx, Chiggers*, Cooley spruce gall, Elm leaf aphid, Elm spanworm, Eriophyid mites, European pine- shoot moth, Fall armyworm, Flea beetles, Fuller rose beetles, Gall midges, Gall wasps, Grasshoppers, Green striped- Mapleworm, Gypsy moth, Hackberry nipplegall makers, Holly budmoth, Holly leafminer, Jackpine budworm, Japanese beetle, Jeffrey pine needleminer, June beetles, Plant bugs, Lace bugs, Leafhoppers, Leafrollers, Locust borer, Maple leafcutter, Mealy bugs, 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, Poinsettia horn worm, Psyllids, Puss caterpillar, Redhumped oakworm, Rose aphid, Rose chafer, Roseslug, Saddled prominent, Sawflies (exposed), Scale insects, Sowbugs, Spiny elm caterpillar, Springtails, Spruce budworm, Spruce needleminer, Subtropical pine tip moth, Tent caterpillar, Thorn bug, Thrips (exposed), Ticks*, Walnut caterpillar-Webworms, Western hemlock loopers, Western spruce budworm, Willow leaf beetles, Yellow poplar-weevil

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*Will kill pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

NUISANCE PESTS AROUND OUTDOOR RESIDENTIAL AREAS

This product may be used as a perimeter treatment to kill listed nuisance pests. Thoroughly wet the outside perimeter of the home where pests tend to congregate. Use on lawns is prohibited. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Therefore, applications of this product to surfaces where a noticeable residue or discoloration is objectionable should be avoided.

PESTS
Ants (except pharaoh, harvester, and carpenter ants), Bees, Centipedes, Cockroaches, Crickets, Darkling beetles, Earwigs, Firebrats, Fleas, Grasshoppers, Millipedes, Mosquitoes (adults), Scorpions, Silverfish, Spiders, Ticks, and Wasps

[NOTICE: Research and testing have determined that the "Directions For Use" are appropriate for the proper use of this product under expected conditions. To the extent consistent with applicable law, the Buyer assumes responsibility for lack of performance or safety if not used according to the directions].

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