

85.12.31

NET CONTENTS 208 LITRES

SEVIN (R) RP2

CARBARYL INSECTICIDE
LIQUID SUSPENSION
(Contains 240 Grams Carbaryl Per Litre)

DOMESTIC

For control of insect pests on field, vegetable, and
fruit crops, ornamentals, lawns, and poultry.

GUARANTEE:

Carbaryl 22.5% by wt.

REGISTRATION NUMBER: 16656
PEST CONTROL PRODUCTS ACT
EPA Est. No. 477-MO-02

CAUTION POISON

READ THIS LABEL BEFORE USING

IN CASE OF EMERGENCY PHONE COLLECT
(24 HOURS A DAY) (304) 744-3487

Union Carbide Agricultural Products Company, Inc.
291 Woodlawn Road, W.
Guelph, Ontario,
Canada N18 7K7

SEVIN (R) is a registered trademark of Union Carbide Corporation for carbaryl
insecticide.

MADE IN USA
UCC-2500631-CAN

0398G/01-30-86
Canadian Label

SEVIN RP2 readily disperses in water to form a spray suspension suitable for home and garden use.

READ THIS LABEL USE IN STRICT ACCORDANCE WITH DIRECTIONS AND CAUTIONS.

PRECAUTIONARY STATEMENTS
KEEP OUT OF REACH OF CHILDREN

HARMFUL IF INHALED OR SWALLOWED. Avoid breathing of spray. Do not take internally. Avoid contact with skin and eyes. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

AVOID CONTAMINATION OF FOOD, FEED, WATER SUPPLIES, STREAMS AND PONDS.

BEE CAUTION: MAY KILL HONEYBEES IN SUBSTANTIAL NUMBERS. This product is highly toxic to bees exposed to direct treatment or residues on crops. Do not use when value of honeybees as pollinators is more important than insect control. Before applying, warn beekeepers to locate hives beyond bee flight range until one week after application or to take other equally effective precautions.

PLANT RESPONSE PRECAUTIONS: To avoid possible injury to tender foliage, do not apply to wet foliage or when rain or high humidity is expected during the next two days. Carbaryl injures Boston ivy, Virginia creeper and maidenhair fern. During early season, it may also injure Virginia and sand pines.

FIRST AID INSTRUCTIONS

Flush skin and eye contact with water. If swallowed, induce vomiting at once. Contact a physician immediately. Get to a physician as quickly as possible.

TOXICOLOGICAL INFORMATION

NOTE FOR PHYSICIAN: SEVIN Carbaryl Insecticide is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. Do Not Use 2-PAM, opiates, or cholinesterase inhibiting drugs.

STORAGE AND DISPOSAL

Store unused SEVIN RP2 in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 38 deg. C.

Do not contaminate water, food or feed by storage or disposal. Discard unused pesticide spray mixture in a safe place away from water supplies. Do not reuse empty pesticide containers.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

DIRECTIONS FOR USE

IMPORTANT: The directions on this label are based on facts and field experience relating to (a) effectiveness; and (b) possible injury to plants and animals; and (c) residues in food, meat and milk. Follow directions for most effective use.

SPRAY PREPARATION

TO ASSURE A UNIFORM PRODUCT, STIR OR SHAKE ALL "SEVIN" RP2 CONTAINERS PRIOR TO USE. Clean sprayer thoroughly before use.

Prepare only as much spray mixture as is needed on the day of mixing. Fill sprayer with 1/2 to 3/4 the desired amount of water. Slowly add the required amount of SEVIN RP2 and then the remaining volume of water. SHAKE SPRAY MIXTURES FREQUENTLY BEFORE AND DURING USE TO PREVENT SETTLING. Do not store spray mixtures overnight. To clean your sprayer after use, drain and flush with water. Do not use contaminated measuring devices for other purposes.

COMPATIBILITY

SEVIN RP2, when diluted with an equal volume of water, is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil or aromatic solvents. If compatibility of SEVIN RP2 with another product and the resulting plant response is unknown, it should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. WHEN PREPARING COMBINATION SPRAYS, FIRST ADD "SEVIN" RP2 TO AT LEAST AN EQUAL VOLUME OF WATER, MIX THOROUGHLY, AND THEN ADD COMBINATION PRODUCTS TO THE MIXTURE. DO NOT APPLY

COMBINATIONS UNLESS YOUR PREVIOUS EXPERIENCE INDICATES THE MIXTURE IS EFFECTIVE AND WILL NOT RESULT IN APPLICATION PROBLEMS, EXCESSIVE RESIDUES OR PLANT INJURY.

Unstable under highly alkaline conditions. Not effective if used with alkaline materials such as Bordeaux, lime-sulfur and certain-lime spreaders.

INSECT CONTROL

Apply when insects or their damage appears. To maintain control repeat at 7 to 10 day intervals or as necessary unless a shorter interval is specified below. When a dosage range is indicated, use lower rate on young plants and early instars and higher rate on mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective control. Avoid application just before rainfall as poor insect control may result.

SEVIN RP2 does not control spider mites. If spider mites are a problem, use a regular miticide.

VEGETABLE CROPS

All dosages refer to millimetres of SEVIN RP2 per 100 square meters. Typical spray volumes for vegetable crops per 100 square meters range from 8 to 16 litres. Do not exceed maximum dosage rate per 100 square meters per application.

| CROP | INSECT | ML OF "SEVIN RR2/100 m2 | PRE- HARVEST INTERVAL (DAYS) | SPECIFIC DIRECTIONS |
|-------------------------------------|---|-------------------------------|---------------------------------------|--|
| Asparagus (Seedlings, Spears) | Asparagus beetle Cutworms (climbing) | 52 to 125 | 1 | Apply as a spray in sufficient water for full coverage. Apply when insects or their damage appears. Use the lower rate on young plants. Repeat at intervals of 7 to 10 days or as necessary. Do not treat more often than once every 3 days. |

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| Beans | Mexican bean beetle | 25 to 30 | 3 | Use lower rate on young plants. |
| | Flea beetles Leafhoppers | 52 | | Apply for full coverage when insects or damage appears. |
| | Lygus bugs Stink bugs | 104 to 125 | | Repeat at intervals of 7 to 10 days or as necessary. |
| Beets Broccoli Brussels Sprouts Cabbage Carrots Cauliflower Celery Chinese Cabbage Dandelion Endive Horseradish Kale Kohlrabi Lettuce Mustard Greens Parsley Parsnip Radish Rutabaga | Flea beetles Leafhoppers | 25 to 52 | 1 (carrots) 3 (broccoli, Brussels sprouts, cabbage, cauliflower, celery & kohlrabi) | Spray in sufficient water for full coverage. Use the lower rate on young plants, Apply when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. |
| | Armyworm Corn earworm Diamondback moth (larvae) imported cabbageworm Lygus bugs Meadow spittlebug Stink bugs | 2.5 to 5.25 | 7 (beet roots, horseradish, radish, rutabagas roots, salsify & turnip root) | To avoid possible injury on lettuce, do not apply when foliage is wet or when rain or excessive humidity is expected during the next two days. Apply for full coverage beginning when insects or damage appears. Repeat treatment at intervals of 7 to 10 days. |

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| <p>Salsify Spinach Swiss chard Turnip Watercress</p> | | | <p>14 (beet tops, Chinese cabbage, dandelion, endive, kale, lettuce leaf, mustard greens, parsley, parsnip, salsify tops, spinach, swiss chard, turnip top & water- cress</p> | <p>To avoid possible injury on lettuce, do not apply when foliage is wet or when rain or excessive humidity is expected during the next two days.</p> |
| <p>Corn (Field & Sweet)</p> | <p>Corn earworm Northern corn rootworm adults European corn borer Fall armyworm</p> | <p>52 to 83</p> | <p>1</p> | <p>For larvae in whorts and for foliage feeders, treat the entire plant. Repeat as necessary.</p> <p>For insects attacking silks and ears, apply at intervals of 2 to 4 days starting when first silks appear and continuing until silks begin to dry. Three or more applications may be required depending on the severity of the infestation. Timing and good coverage are essential for effective control.</p> |

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| Cucumber Melons Pumpkin Squash | Cucumber beetles Cutworms (climbing) Flea beetle Leafhoppers Squash bug | 52 | 3 | Apply for thorough coverage when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. To avoid possible injury or tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next two days. |
| Eggplant Pepper Potato Tomato | Colorado potato beetle | 1.25 | 1 (eggplant, pepper & tomato) 7 (potato) | Apply for full coverage when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. |
| | European corn borer Fall armyworm Tomato hornworm Tomato fruitworm | 25 | | |
| | Stink bugs Tarnished plant bug | 104 to 125 | | |
| | Cutworm (climbing) | 83 to 104 | | Apply when insects or their damage appears. Use at least 2.2 to 2.8 litres of water per 100 square metres. Spray in 25 to 30 centimetres band over the row. |

TREE FRUIT CROPS

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| <p>Apricots Peaches</p> | <p>Cat-facing insects Codling moth European earwig European fruit lecanium Fruitree leafroller Lesser peachtree borer Oriental fruit moth Peach silver mite Peach twig borer Plum curculio Redbanded leafroller Scale insects</p> | <p>5.2</p> | <p>3 (apricots) 1 (peaches)</p> | <p>Apply for full coverage in normal spray schedules. For lesser peachtree borer spray limbs and trunk thoroughly. For scale insects apply when crawlers are present.</p> |
| <p>Plums Cherries</p> | <p>Codling moth Eastern tent caterpillar Oak leafhopper Prune leafhopper</p> | <p>3.1 to 3.6</p> | <p>1</p> | <p>Apply for full coverage in normal spray schedules.</p> <p>For scale insects apply when crawlers are present. For lesser peachtree borer thoroughly spray limes and trunk area.</p> |

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| | Apple maggot Black cherry aphid Cherry fruitfly Cherry fruitworm Eyespotted bud moth Fruitree leafroller Lesser peachtree borer Mealy plum aphid Peach twig borer Plum curculio Redbanded leafroller Scale insects | 5.2 | | |
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SMALL FRUIT CROPS

All dosages refer to millimetres of SEVIN RP2 per 100 square meters. Typical spray volumes for small fruit crops per 100 square meters range from 11 to 34 litres. The optimum spray volume will depend on plant size, density, and stage of growth. Do not exceed maximum dosage rate per 100 square meters per application.

| CROP | INSECT | ML OF "SEVEN" RP2/100m2 | PRE-HARVEST INTERVAL (DAYS) | SPECIFIC DIRECTIONS |
|--|--|----------------------------|-----------------------------------|--|
| Blackberries Boysenberries Dewberries Loganberries Raspberries | Blackberry leafminer Japanese beetle Leafhoppers Leafrollers Rose stem gridler Spottedwinged raspberry aphid | 104 | 7 | Mix with 11 to 20 litres water. Apply when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. |

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| Blueberries | Blueberry maggot Cranberry fruitworm Lecanium scale | 83 | 1 | Mix with 11 to 20 litres of water. Apply 3 weeks before harvest and repeat in 10 days or as necessary. |
| Cranberries | Blunt nosed cranberry leafhopper Cranberry fruitworm Cutworms (climbing) Fireworms | 125 to 140 | 1 | Mix with 34 litres of water. Apply during late bloom. Repeat as necessary at intervals of 7 to 10 days. |
| Grapes | Grape berry moth Leafhoppers | 104 to 125 | 3 | Mix with 20 litres of water. Apply for full coverage when insects or damage appears. Follow local government recommendations for proper timing. |
| Strawberries | Meadow spittlebug Strawberry leafroller | 52 to 125 | 1 | Mix with 11 to 20 litres of water. Apply when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. |

TREES AND ORNAMENTALS

For dilute-spray ground applications to trees, ornamentals, woody plants and shrubs, apply the specified dosage per litre of water in sufficient spray volume to provide thorough coverage.

| CROP | INSECT | ML OF "SEVEN" RP2/1 | SPECIFIC DIRECTIONS |
|--|--|------------------------|--|
| Arborvitae Azalea Birch Boxwood Carnation Chrysanthemum Dogwood Elm Gladiolus Holly Hydrangea Juniper Lilac Maple Oak Pines Rose Zinnia | Bagworm Birch leafminer Blackvine weevil (Taxus weevil) Blister beetles Bozelder bug Boxwood leafminers Cankerworms Elm leaf aphid Elm leaf beetle Flea beetles Japanese beetle June beetles Lace bugs Leafhoppers Leafrollers Mealybugs Pine sawflies Plant bugs Psyllids Rose aphid Rose chafer Rose lug Scale insect Tent capillars Thrips (exposed) Willow leaf beetle | 5.2 to 6.25 | Spray in the early morning or evening. Repeat at intervals of 7 to 14 days. For scale insects, apply when crawlers are present. Some leaf injury may occur if treatments are made when tender foliage is wet or in the presence or prolonged high humidity. Do not use on Boston Ivy maidenhair fern or Virginia creeper. |

LAWNS AND RECREATIONAL AREAS

| SITE | INSECTS | SPECIFIC DIRECTIONS |
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| Turf (Ornamental and Sports) | Ants Chinch bugs Cutworms (climbing) Earwigs Fall armyworm Fleas Leafhoppers Millipedes Mosquitoes Sod webworms | Apply 375 to 520 ML of SEVEN(R) RP2 in 150 to 200 litres spray volume per 100 square metres of established lawn, recreational area, roadway or path border. For best results, mow lawn and apply after watering or rain. Ensure good penetration of turf. Garden hose or pressure applications may be used. Repeat 2 to 3 weeks later if necessary. |
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PEST CONTROL IN AND AROUND FARM BUILDINGS
(POULTRY QUARTERS; ROOSTS AND BUILDINGS)

| INSECTS | ML OF SEVIN(R) RP2/1 | SPECIFIC DIRECTIONS |
|-----------------------------------|----------------------|--|
| Bed bugs Fleas Chicken mite | 21 | Apply 5 to 10 litres of spray mixture per 100 square meters of wall, litter or roost surface. Force spray into cracks and crevices. Avoid contamination of nests, eggs and feeding and watering troughs. Ventilate while spraying. Do not treat premises within 7 days of slaughter. |

POULTRY INSECT CONTROL

| POULTRY | INSECT | ML OF SEVIN(R) RP2/1 | SPECIFIC DIRECTIONS |
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| Chickens Ducks Geese Partridges Pheasants Pigeons Turkeys | Lice Northern fowl mite Add as a supplement to premise treatment for chicken mite, fleas, fowl tick. | 21 | Apply 4 ½ litres of spray mixture per 100 birds. Direct toward vent and fluff areas. Repeat in 4 to 8 weeks as necessary. Do not apply to poultry or game birds within 7 days of slaughter. |
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PRODUCT BULLETIN

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
T.W. ALEXANDER DRIVE
P.O. BOX 12014
RESEARCH TRIANGLE PARK, NC 27709

SEVIN RP2 Carbaryl Insecticide
For Control of Mountain Pine Beetle

Supplemental Labelling
Registration Number 16656 Pest Control Products Act

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|------------------------------|---------------------|
| AMOUNT OF "SEVIN" RP2 TO USE | SPECIFIC DIRECTIONS |
|------------------------------|---------------------|

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| <p>Use two (2) litres of SEVIN RP2 in 25 litres of water (80 litres in 1000 litres of water) to make a spray mixture containing 2% active ingredients by weight.</p> | <p>For use on high value trees in urban and rural areas. Effective as a preventive treatment only. Repeat annually as required to prevent beetle attacks. Avoid spraying when conditions favor draft from spray area.</p> <p>Apply open (1) litre of spray per one (1) square metre of bark in late May to early or prior to beetle attack. Treat trunks from ground level up until trunk diameter is less than 12.5 centimeters.</p> |
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IMPORTANT: Before using SEVIN RP2, read and carefully observe the Precautionary Statements and all other information appearing on the product label. This bulletin contains new and supplemental directions for use of this product which may not appear on the package label. Follow directions carefully.

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