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46515-35

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Bradley M. Kollath
Celex Corporation
Division of United Industries
P.O. Box 15842
St Louis, MO 63114

MAR 17 1997

Subject: Sevin® 11.7% Flowable
EPA Registration No. 46515-35
Amendment dated December 20, 1996
Response to Agency letter dated 10/1/96

Dear Mr. Kollath:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the following changes to your label:

a) Because this product is a liquid formulation, the contents of the USER SAFETY REQUIREMENTS box should appear as follows (please refer to the Agency letter dated 10/1/96 under B. Liquid Formulations):

USER SAFETY REQUIREMENTS	
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. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking or using the toilet.	
Do not allow children or pets to contact treated area until sprays have dried.	

CONCURRENCES

SYMBOL	SURNAME	DATE					

Bedward A: 46515/35.1 3/11/97

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2. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

Sevin® 11.7% Flowable

[For use on flowers, vegetables,
fruits, lawns, shrubs and
ornamentals]

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 17 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

46515-35

Active Ingredients:
*Carbaryl: 1-naphthyl N-methylcarbamate 11.7%
Inert Ingredients: 88.3%
Contains one pound Carbaryl per gallon. *Sevin is a registered trademark of Rhône-Poulenc for carbaryl insecticides.

Keep Out Of Reach Of Children

CAUTION See back panel for additional precautionary statements.

NET CONTENTS 1 QT.

[Read entire label.] [Stop. Read entire label before use.]
[IMPORTANT: To avoid damage or poor results, carefully read and follow all directions and precautionary statements.]

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For use around the home only.

OPTION A - [For Use With Ready-Spray Nozzle] (PARAGRAPH FORMAT)

[HOW TO USE:] [Shake bottle well before using.] Keep spray solution well mixed during use by shaking the sprayer often. Treat when insects or their damage first appear. Apply when air is calm to avoid drift and contact with eyes and skin. Start at the farthest corner of area to be treated and work backward to avoid contact with wet surfaces. Thoroughly wet both upper and lower leaf surfaces, stems and branches. Allow spray to dry in treated areas before returning. For best results, treat every 7 - 10 days. Do not apply more than once a week. For trees taller than 10 feet, consider hiring a licensed professional.

[USING THE READY-SPRAY NOZZLE]

Shake bottle well before using. Keep spray solution well mixed during use by shaking the sprayer often. Connect a garden hose to the ready spray nozzle. Make sure the black water control dial on the nozzle is in the "OFF" position (tab is vertical). Turn on water faucet. Extend hose to the farthest area to be treated and work back towards faucet so that you do not walk over treated areas. Twist the small, star shaped black product control button to align the flat portion with the lock tab. Push the button in to open.

To BEGIN spraying, point nozzle towards the area to be treated and turn the black water control dial to the "ON" position (tab is horizontal). Water will automatically mix with the product. Walk at a steady pace while spraying using an even sweeping motion. Refer to site gauge on bottle to determine amount of product being applied.

To STOP spraying turn the black water control dial to the "OFF" position. Push the small, black product control button back in to close. Twist the small, star shaped black product control button so that it is no longer aligned with the flat portion of the lock tab. Turn off the water at the faucet. To relieve pressure, turn the black water control dial to the "ON" position until water stops spraying before removing the nozzle from the hose.

To STORE unused product, place in a cool area away from heat, direct sunlight or open flame and out of reach of children or pets.

(NUMBERED FORMAT)

HOW TO USE

1. Keep spray solution well mixed during use by shaking the sprayer often.

2. Apply when air is calm to avoid drift and contact with eyes and skin. Start at the farthest corner of area to be treated and work backward to avoid contact with wet surfaces.
3. Thoroughly wet both upper and lower leaf surfaces, stems and branches.
4. Allow spray to dry in treated areas before returning.

USE TIPS

1. Treat when insects or their damage first appear.
2. For best results, treat every 7 - 10 days. Do not apply more than once a week.
3. For trees taller than 10 feet, consider hiring a licensed professional.

USING THE READY-SPRAY NOZZLE

1. Shake bottle well before using. Keep spray solution well mixed during use by shaking the sprayer often.
2. Connect a garden hose to the ready spray nozzle. Make sure the black water control dial on the nozzle is in the "OFF" position (tab is vertical).
3. Turn on water faucet. Extend hose to the farthest area to be treated and work back towards faucet so that you do not walk over treated areas. Twist the small, star shaped black product control button to align the flat portion with the lock tab. Push the button in to open.
4. To BEGIN spraying, point nozzle towards the area to be treated and turn the black water control dial to the "ON" position (tab is horizontal). Water will automatically mix with the product. Walk at a steady pace while spraying using an even sweeping motion. Refer to site gauge on bottle to determine amount of product being applied.
5. To STOP spraying turn the black water control dial to the "OFF" position. Push the small, black product control button back in to close. Twist the small, star shaped black product control button so that it is no longer aligned with the flat portion of the lock tab. Turn off the water at the faucet. To relieve pressure, turn the black water control dial to the "ON" position until water stops spraying before removing the nozzle from the hose.
6. To STORE unused product, place in a cool area away from heat, direct sunlight or open flame and out of reach of children or pets.

OPTION B - [For Use With Hose-end, Pressure or Power Sprayers] (PARAGRAPH FORMAT)

Shake bottle well before using. This product may be applied with a hose-end sprayer, pressure sprayer or power sprayer. Keep spray solution well mixed during use by shaking the sprayer often. Treat when insects or their damage first appear. Apply when air is calm to avoid drift and contact with eyes and skin. Start at the farthest corner of area to be treated and work backward to avoid contact with wet surfaces. Thoroughly wet both upper and lower leaf surfaces, stems and branches. Allow spray to dry in treated areas before returning. For best results, treat every 7 - 10 days. Do not apply more than

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once a week. For trees taller than 10 feet, consider hiring a licensed professional.

[MEASUREMENT CONVERSION:]

[NOTE:] 3 teaspoons = 1 tablespoon; 2 tablespoons = 1 fl. oz.

(NUMBERED FORMAT)

HOW TO USE

1. Shake bottle well before using.
2. Apply when air is calm to avoid drift and contact with eyes and skin. Start at the farthest corner of area to be treated and work backward to avoid contact with wet surfaces.
3. Thoroughly wet both upper and lower leaf surfaces, stems and branches.
4. Allow spray to dry in treated areas before returning.

USE TIPS

1. Treat when insects or their damage first appear.
2. For best results, treat every 7 - 10 days. Do not apply more than once a week.
3. For trees taller than 10 feet, consider hiring a licensed professional.

USER SAFETY REQUIREMENTS

- Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when applying this product.
- Change clothing as soon as possible after use.
- Wash the outside of the gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking or using the toilet.
- Do not allow people or pets to contact treated areas until dust has settled.

(PARAGRAPH FORMAT)

Observe stated time intervals between last application and harvest. The number in () indicates the number of days to wait between last application of this product and harvest.

CORN: (0) To control Armyworms (including Fall), Beetles (Flea, Japanese, Sap), Budworm, Corn borer (European (including larvae), Southern), Corn earworm, Corn rootworm (adult), Cutworm, Stink bug. Repeat at 7 - 10 day intervals. Applying this product to corn tassels during the pollen shedding period will seriously reduce the bee population. [For Option B only: Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants.] For Budworms, apply thoroughly into whorls when plants are about knee high. Repeat at weekly intervals until

tassels emerge. For Corn earworms, apply to silks as soon as they appear. Repeat at 7 day intervals as infestation warrants.

BEANS (Green, Lima, Snap), PEAS (Blackeyed, Cowpea): (0) To control Beetles (Bean leaf, Cucumber, Japanese), Leafhopper, Velvetbean caterpillar, Western bean cutworm. [For Option B only: Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants.]

CARROTS, SQUASH: (0) To control Armyworms (including Fall), Beetles (Blister, Cucumber, Flea, Japanese), Cabbage looper, Corn earworm, Corn rootworm, Cutworm, Grasshopper, Harlequin bug, Lacebug, Leafhopper (including Aster), Lygus bug, Melonworm, Pickdeworm, Spittlebug, Squash bug, Squash vine borer, Stink bug, Tarnished plant bug, Thrip. [For Option B only: Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants.]

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, BEET (roots), HORSERADISH, KOHLRABI, LETTUCE (head), PARSNIPS, RADISH, RUTABAGAS, SALSIFY (roots), TURNIPS (roots): (3) To control Armyworms (including Fall, Yellow striped), Beetles (Blister, Cucumber, Flea, Japanese, Sap), Cabbage looper, Cabbageworms (Cross-striped, Imported), Corn earworm, Corn rootworm, Cutworm, Diamondback moth (larvae), European corn borer, Grasshopper, Harlequin bug, Lace bug, Leafhopper, Lygus bug, Saltmarsh caterpillar, Spittlebug, Stink bug, Tarnished plant bug, Thrip. [For Option B only: Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants.]

CHINESE CABBAGE, COLLARDS, DANDELION, ENDIVE, BEET (tops), KALE, LEAF LETTUCE, MUSTARD GREENS, PARSLEY, SALSIFY (tops), SPINACH, SWISS CHARD, TURNIP GREENS: (14) To control Armyworms (including Fall, Yellow striped), Beet webworms, Beetles (Blister, Cucumber, Flea, Japanese, Sap), Cabbage looper, Cabbageworms (Cross-striped, Imported), Corn earworm, Corn rootworm, Cutworm, Diamondback moth (larvae), European corn borer, Harlequin bug, Lace bug, Leafhopper, Lygus bug, Saltmarsh caterpillar, Spittlebug, Stink bug, Tarnished plant bug, Thrip. [For Option B only: Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants.]

CUCUMBERS, EGGPLANT, MELONS, PEPPERS, POTATO, PUMPKIN, TOMATO: (0) To control Armyworms (including Fall, Yellow striped), Beetles (Blister, Colorado potato, Cucumber, Flea, Japanese, Mexican bean, Sap, Three-lined potato), Borers (European corn, Squash vine), Cabbage looper, Corn earworm, Corn rootworm, Cutworms (including Climbing), Green cloverworm, Harlequin bug, Leafhoppers (including Aster), Lace bug, Lygus bug, Plant bug, Squash bug, Stink bug, Tarnished plant bug, Three-cornered alfalfa hopper, Thrip, Tomato fruitworm, Tomato hornworm, Tomato

pinworm. [For Option B only: Use 2 1/2 tablespoons per gallon of water.]

FRUIT TREES: Apply to non-bearing trees 7 to 10 days after full leaf stage and repeat at 2 to 3 week intervals. On fruit bearing trees, to avoid thinning of fruit, delay use for at least 30 days after bloom. Use at 10 to 14 day intervals.

APPLE, PEAR: (1) To control Aphids (Green apple), Codling moth, Leaf rollers (Red banded, Tree), Plum curculio. [For Option B only: Use 2 1/2 tablespoons per gallon of water.]

PEACH, PLUM: (1) To control Beetles (June), Borers (Peach tree, Peach twig, Twig), Fruit tree leaf roller, Oriental fruit moth, Plum curculio. For Lesser peach tree borers, spray limbs and tree trunks thoroughly, weekly, during moth flight. [For Option B only: Use 2 1/2 tablespoons per gallon of water.]

FRUIT REDUCTION ON ORNAMENTAL TREES: Apply with pressure type sprayer only. When fruit production is not desired on apple trees or Crabapples spray 5 tablespoons per gallon of water after full bloom. One treatment only. Complete fruit drop should not be expected.

FLOWERS, SHRUBS AND TREES: To control Aphids (including Rose), Bagworm, Beetles (Blister, Flea, Japanese, June, Willow leaf), Birch leafminer, Gypsy moth, Lace bug, Leafhopper, Leaf roller, Mealybug, Mimosa webworm, Oak leaf miner, Periodical cicada (17 year locust), Plant bug, Psyllid, Tent caterpillar, Thrip (exposed). [Spray to thoroughly wet both upper and lower leaf surfaces, stems, trunks, twigs and branches.] [For Option B only: Use 2 1/2 tablespoons per gallon of water.] [NOTE:] Do not apply on Boston Ivy, Virginia Creeper and Maidenhair Fern as injury will result.

LAWNS: Apply with pressure type sprayer only. For best results, mow lawn first, remove thatch and apply after watering. Repeat in 3 to 4 weeks. To control Ants, Brown dog ticks, Earwigs, Fall armyworms, Leafhoppers, Millipedes, Mosquitoes, use 5 fl. oz. in one gallon of water to cover 500 sq. ft. To control Chinch bugs, Fleas and Sod webworms, use 5 fl. oz. in one gallon of water to cover 230 sq. ft. Start treating sod webworms on May 15th and repeat at 30 day intervals through August.

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(TABLE FORMAT)

[FRUITS & VEGETABLES]

Observe stated time intervals between last application and harvest.

Number of Days to Wait Between Last Application and Harvest					
FRUIT & VEGETABLE	PHI*	FRUIT & VEGETABLE	PHI*	FRUIT & VEGETABLE	PHI*
Apples	1	Dandelions	14	Peppers	0
Beans (Green)	0	Eggplants	0	Plums	1
Beans (Lima)	0	Endive	14	Potatoes	0
Beans (Snap)	0	Horseradish	3	Pumpkins	0
Beets (Roots)	3	Kale	14	Radishes	3
Beets (Tops)	14	Kohlrabi	3	Rutabagas	3
Broccoli	3	Lettuce (Head)	3	Salsify (Roots)	3
Brussels Sprouts	3	Lettuce (Leaf)	14	Salsify (Tops)	14
Cabbage	3	Melons	0	Spinach	14
Carrots	0	Mustard Greens	14	Squash	0
Cauliflower	3	Parsley	14	Swiss Chard	14
Chinese Cabbage	14	Parsnips	3	Tomatoes	0
Collards	14	Peaches	1	Turnip Greens	14
Cowpeas	0	Pears	1	Turnips (Roots)	3
Cucumbers	0	Peas (Blackeyed)	0	*PHI = Pre-Harvest Interval.	

FRUIT OR VEGETABLE	[GARDEN PEST] [INSECTS]	FOR OPTION B ONLY
Corn	Armyworms (Including Fall), Beetles (Flea, Japanese, Sap), Budworm, Corn borer (European (Including larvae), Southern), Corn earworm, Corn rootworm (adult), Cutworm, Stink bug. Repeat at 7 - 10 day intervals. Applying this product to corn tassels during the pollen shedding period will seriously reduce the bee population. For Budworms, apply thoroughly into whorls when plants are about knee high. Repeat at weekly intervals until tassels emerge. For Corn earworms, apply to silks as soon as they appear. Repeat at 7 day intervals as infestation warrants.	Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants
Beans (Green, Lima, Snap), Peas (Black-eyed, Cowpea)	Beetles (Bean leaf, Cucumber, Japanese), Leafhopper, Velvetbean caterpillar, Western bean cutworm	Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Beet (roots), Horseradish, Kohlrabi, Lettuce (head), Parsnips, Radish, Rutabagas, Salsify (roots), Turnips (roots)	Armyworms (Including Fall, Yellow striped), Beetles (Blister, Cucumber, Fall, Japanese, Sap), Cabbage looper, Cabbageworms (Cross-striped, Imported), Corn earworm, Corn rootworm, Cutworm, Diamondback moth (larvae), European corn borer, Grasshopper, Harlequin bug, Lace bug, Leafhopper, Lygus bug, Saltmarsh caterpillar, Spittlebug, Stink bug, Tarnished plant bug, Thrip	Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants.
Chinese cabbage, Collards, Dandelion, Endive, Beet (tops), Kale, Leaf lettuce, Mustard greens, Parsley, Salsify (tops), Spinach, Swiss chard, Turnip greens	Armyworms (Including Fall, Yellow striped), Beet webworms, Beetles (Blister, Cucumber, Fall, Japanese, Sap), Cabbage looper, Cabbageworms (Cross-striped, Imported), Corn earworm, Corn rootworm, Cutworm, Diamondback moth (larvae), European corn borer, Harlequin bug, Lace bug, Leafhopper, Lygus bug, Saltmarsh caterpillar, Spittlebug, Stink bug, Tarnished plant bug, Thrip	Use 2 1/2 tablespoons per gallon of water for young plants and 5 tablespoons per gallon of water for mature plants

[bracketed Text] = Optional Language

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FRUIT OR VEGETABLE	[GARDEN PEST] [INSECTS]	FOR OPTION B ONLY
Cucumbers, Eggplant, Melons, Peppers, Potato, Pumpkin, Tomato	Amyworms (Including Fall, Yellow-striped), Beetles (Blister, Colorado potato, Cucumber, Flea, Japanese, Mexican bean, Sap, Three-lined potato), Borers (European corn, Squash vine), Cabbage looper, Corn earworm, Corn rootworm, Cutworms (Including Climbing), Green clover-worm, Harlequin bug, Leafhoppers (including Aster), Lace bug, Lygus bug, Plant bug, Squash bug, Stink bug, Tarnished plant bug, Three-cornered alfalfa hopper, Thrip, Tomato fruitworm, Tomato hornworm, Tomato pinworm.	Use 2 1/2 tablespoons per gallon of water.
FRUIT TREES: Apply to non-bearing trees 7 to 10 days after full leaf stage and repeat at 2 to 3 week intervals. On fruit bearing trees, to avoid thinning of fruit, delay use for at least 30 days after bloom. Use at 10 to 14 day intervals.		
Apples, Pears	Aphids (Green apple), Codling moth, Leaf rollers (Red banded, Tree), Plum curculio.	Use 2 1/2 tablespoons per gallon of water.
Peaches, Plums	Beetles (June), Borers (Peach tree, Peach twig, Twig), Fruit tree leaf roller, Oriental fruit moth, Plum curculio. <i>For Lesser peach tree borers, spray limbs and tree trunks thoroughly, weekly, during moth flight</i>	Use 2 1/2 tablespoons per gallon of water.
FRUIT REDUCTION ON ORNAMENTAL TREES: Apply with pressure type sprayer only. When fruit production is not desired on apple trees or Crabapples spray 5 tablespoons per gallon of water after full bloom. One treatment only. Complete fruit drop should not be expected.		

Environmental Hazards

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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

Questions or comments? Call (800-645-4957) (800-332-5553)

[Made in the USA for KMART Corporation, Troy, Michigan 48064]

[Distributed] [Made in the USA] by Celax, Division of United Industries Corporation, P. O. Box 15482, St. Louis, MO 63114-0642

EPA Reg. No.: 46515-35

EPA Est. Nos.: 9688-MO-1, 49585-MI-1 A, 769-GA-1 C, 42056-IL-1 E, 44616-MO-1 H, 42761-MS-1 N, 9591-OH-1 O

Superscript used is first letter of lot number.

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STORAGE AND DISPOSAL

Storage: Store in original container in locked storage area inaccessible to children. **Disposal:** Do not reuse empty container. Securely wrap original container in several layers of newspaper and discard in trash.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling and before eating or smoking.

Statement of Practical Treatment

If Swallowed: Call a physician or Poison Control Center immediately. Give victim 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **If In Eyes:** Flush eyes with plenty of water. If irritation persists get medical attention. **If on Skin:** Remove contaminated clothing and wash skin with plenty of soap and water. **Note to Physician:** Carbaryl is a moderate, reversible cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiate, or cholinesterase inhibiting drugs.

[bracketed Text] = Optional Language

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