

PEST CONTROL IN AND AROUND BUILDINGS

INSECT	AMOUNT OF SEVIN GAL.	INSECT	SPECIFIC DIRECTIONS
Ants Cockroaches	17 ounces/gal		For use in and around buildings such as homes, apartments, warehouses, barns and municipal recreation areas
Brown dog tick Earwigs Fleas Mites Silverfish	7 ounces/gal		Apply as a coarse wet spray or with a paint brush to dirt floor sleeping quarters of pets, outside perimeter of dwellings and other areas where insects tend to congregate Do not use where edible products are exposed, being prepared, processed or served Avoid application to surfaces where visible spray residues are objectionable

POULTRY INSECT CONTROL

POULTRY	INSECT	SPECIFIC DIRECTIONS
Chickens Ducks Geese Guinea fow Pigeons and Turkeys	Chicken mite Fleas Lice Northern F. white	For use as a direct mist spray on birds by: 1. F. using with Electric Fog Machine. Mix 20 ounces of SEVIN in 1 gallon of spray. Use 1 1/2 gallons per 1000 hens in cages, on litter or on stalled floor. Repeat in 4 weeks if necessary. or 2. Spray with knapsack or cylinder type compressor in trays. Mix 12 ounces of SEVIN in 5 gallons of spray. Use 1 gallon per 100 hens in cages, on litter or on stalled floor. Repeat in 4 weeks if necessary. Direct mist spraying for chicken mite and fleas is a supplement to spraying roosts and buildings for control of these pests. Do not apply to poultry and game birds within 7 days of slaughter.

POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY	AMOUNT OF SEVIN	SPECIFIC DIRECTIONS
Roosts Chicken mites Fleas Northern F. white	12 ounces/gal	Apply 2 to 2 1/2 ounces of spray mixture per 100 square feet of wall, litter or roost surface. Use spray into cracks. Repeat as needed.
Roosts	10 ounces/gal	Avoid contamination of nests, eggs and feeding and watering troughs. Wash with water after spraying. Do not treat premises within 7 days of slaughter.
Lesser mites	10 ounces/gal	Apply 2 to 2 1/2 ounces of spray mixture per 100 square feet of roost area or litter surface. Repeat as needed. Wash with water after spraying. Do not treat premises within 7 days of slaughter.

BEST DOCUMENT AVAILABLE

Mr. Keith L. Branly
Southern Mill Creek Products, Inc.
P. O. Box 1095
Tampa, FL 33601

Dear Mr. Branly:

Subject: SMCP Sevin Insecticide Spray
EPA Registration No. 6720-80
Your Application Dated October 7, 1982

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

This acknowledges the telephone conversation you had with me concerning the last paragraph of your letter dated October 7, 1982, regarding minimal labeling on small containers.

If we can be of further assistance to you, do not hesitate to contact us.

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

TS-767:J.S.Ellenberger:DCR-28958;WANG-0978C;lwy:Raven:479-2013;11/02//82

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USE DIRECTIONS:

PESTS INDOORS: General Information: Use DURSIBAN 4E to control the pest infestation of the following areas by application as a dilute spray or 0.5% dust. For spot treatment, use the 0.25% spray to control fly infestations and the 0.5% spray to control roach infestations. To prepare the spray, dilute Dursiban 4E with water or with a suitable base oil as shown in the following chart. Repeat treatment as necessary. Use only danderized kerosene for oil based sprays to be applied in food handling establishments.

DILUTION RATES

Gallons of Spray Mixture Desired	Fl. Oz.* of DURSIBAN 4E to Use	
	for 0.25% Spray	0.50% Spray
For water based spray		
1	2 3/4	1 1/4
2	5	2 1/2
4	5 1/2	5 1/4
10	6 3/4	13 1/4
For oil base spray**		
1	1 1/2	1
3	1 1/2	3
5	2 1/2	5
10	5	10 1/2

*Note: 1 fl. ounce = 2 tablespoons = 6 teaspoons

**Calculated on basis of feed grade kerosene

Note: Where quick knockdown and/or fast acting insecticides (DDVP or pyrethrin) may be added to the spray mixture containing DURSIBAN 4E, use the following results: 1. In the case of a concentration of 0.25% in both water and oil based sprays. Consult label for the dilution of insecticide product used to determine the amount of insecticide to be added to the spray mixture. 2. In the case of a concentration of 0.5% in both water and oil based sprays. Consult label for the dilution of insecticide product used to determine the amount of insecticide to be added to the spray mixture.

Application: Dilute Dursiban 4E with water or with a suitable base oil as shown in the following chart. For spot treatment, use the 0.25% spray to control fly infestations and the 0.5% spray to control roach infestations.

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APPLICATIONS OF THIS PRODUCT IN FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A SPOT AND/OR CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

APPLICATION WITHIN RESIDENTIAL BUILDINGS: Living Homes and Apartment Buildings and Within Nonfood Areas of Industrial, Institutional and Commercial Buildings (Hotels, Hospitals, Stores, Manufacturing Plants, Warehouses). For Spot Treatment Only: Apply as a coarse spray or with a paint brush to localized areas where cockroaches, flying ants are present to certain insects (ants, bees, wasps, flies, crickets, fleas, etc.) and spiders are found. Do not apply in areas where children, pets, rooms and crevices and cracks in walls, ceiling and behind baseboards are found. Do not apply in areas where children, pets, rooms and crevices and cracks in walls, ceiling and behind baseboards are found. Do not apply in areas where children, pets, rooms and crevices and cracks in walls, ceiling and behind baseboards are found.

For the Control of Spot Treatment: Apply as a coarse spray or with a paint brush to localized areas where cockroaches, flying ants are present to certain insects (ants, bees, wasps, flies, crickets, fleas, etc.) and spiders are found. Do not apply in areas where children, pets, rooms and crevices and cracks in walls, ceiling and behind baseboards are found.

Application: Dilute Dursiban 4E with water or with a suitable base oil as shown in the following chart. For spot treatment, use the 0.25% spray to control fly infestations and the 0.5% spray to control roach infestations. Repeat treatment as necessary. Use only danderized kerosene for oil based sprays to be applied in food handling establishments.

Washing (Pests Indoors): Use as a base spray only. Dilute Dursiban 4E with water or with a suitable base oil as shown in the following chart. For spot treatment, use the 0.25% spray to control fly infestations and the 0.5% spray to control roach infestations. Repeat treatment as necessary. Use only danderized kerosene for oil based sprays to be applied in food handling establishments.

PESTS OUT-OF-DOORS: General Information: Use DURSIBAN 4E for the control of certain pests of lawns and ornamental plants. For area control of ticks and chiggers and for control of control. Consult the following directions for application details to control the pests listed.

Posts of Lawns and other Ornamental and Recreational Turf Grass areas: Use DURSIBAN 4E to control the pests listed on the following table by application at the recommended dosages and directions with the directions given below. Dilute DURSIBAN 4E in enough water to obtain complete and uniform coverage of post-infested areas and apply as a coarse, low pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the lawn should be mowed at the time of treatment.

DOSAGES and DIRECTIONS for USE on TURF

Pest	Rate	Directions
Ants	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Bees	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Chiggers	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Crickets	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Flies	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Fleas	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Grasshoppers	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Spiders	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Ticks	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.
Wasps	1.0 lb. per 1000 sq. ft.	Apply to the soil surface of the lawn. Do not apply to the foliage of the lawn.

Note: For the control of certain pests of lawns and ornamental plants. For area control of ticks and chiggers and for control of control. Consult the following directions for application details to control the pests listed.

CONTAINER LABEL

ACCEPTED
AND COMMENTS
in EPA Label Draft

SMCP

NOV 5 1982

SEVIN INSECTICIDE SPRAY

Insecticide, Fungicide,
and Molluscicide Act
EPA Reg. No. 6720-80

ACTIVE INGREDIENT:		
Carbaryl (1-naphthyl N-methylcarbamate).....	22.5	by wt.
INERT INGREDIENTS:.....	77.5	by wt.
TOTAL.....	100.0

CONTAINS 2 POUNDS SEVIN PER GALLON

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read General Directions, Cautions and Use Instructions on Side Panels and in Attached Booklet.

SEVIN is a registered trademark of Union Carbide Corp.

PRECAUCION: No use este producto hasta que la etiqueta haya sido explicada ampliamente.

PRECAUCION: No use this spray until you can read English, do not use this product until the label has been fully explained to you.

UNION CARBIDE CORPORATION, PHILADELPHIA, PA. U.S.A. EPA Reg. No. 6720-80

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RIGHT PANEL

STORAGE AND DISPOSAL

Store unused SMCF SEVIN INSECTICIDE SPRAY in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100° F.

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.

PRECAUTIONARY STATEMENTS

HARMFUL TO HUMANS AND DOMESTIC ANIMALS. HARMFUL IF INHALED OR SWALLOWED. Avoid Breathing of Spray. Do Not Take Internally. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

STATEMENT OF PRACTICAL EXPERIENCE: IF SWALLOWED, induce vomiting and seek medical attention immediately.

IF IN EYES OR ON SKIN, flush eyes thoroughly with water, wash skin thoroughly with soap and water.

NOTE: DO NOT MIX: Carbaryl is a reversible cholinesterase inhibitor. Do not mix with D-PAV, D-PAV, or other cholinesterase inhibitors.

ENVIRONMENTAL DATA: This pesticide is toxic to aquatic organisms. Do not apply directly to lakes, streams or ponds. Do not apply when weather conditions favor drift over water. Do not apply when rain is likely to occur. Do not apply to water bodies, or to newly cleared or replanted areas of water.

DO NOT MIX WITH OTHER PESTICIDES OR FUNGICIDES. This pesticide should not be used in direct treatment of plants. For more information, see the label. May be obtained from the manufacturer.

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LEFT PANEL

GENERAL INFORMATION

SEVIN INSECTICIDE SPRAY disperses readily in water to form a spray suspension suitable for home and garden use. READ THIS LABEL BEFORE USE. STRICTLY OBSERVE LABEL DIRECTIONS AND CAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS.

Treated areas may be reentered immediately after the spray has dried.

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.

SEVIN injures Boston Ivy, Virginia creeper and maidenhair fern. During early season, it may also injure Virginia and sand pines.

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 According to Label Directions and Cautions. Do not use application methods, dosages, concentrations, or frequencies not listed on labeling. Do not apply against target pests or crops not listed on labeling. Do not mix with fertilizers.

SEVIN INSECTICIDE SPRAY

DO NOT USE IN OR NEAR AREAS WHERE CHILDREN, ANIMALS, OR BEEHIVES ARE KEPT. RINSE ALL CONTAINERS THOROUGHLY BEFORE REUSE.

Apply SEVIN INSECTICIDE SPRAY to plants as is needed on the day of infestation. Fill the sprayer with 1/2 to 1 gallon of water. Start by shaking the sprayer at least 10 times and the required amount of SEVIN, and then the remaining amount of water. SEVIN INSECTICIDE SPRAY MIXTURES ARE NOT TO BE USED IN OR NEAR AREAS WHERE CHILDREN, ANIMALS, OR BEEHIVES ARE KEPT. RINSE ALL CONTAINERS THOROUGHLY BEFORE REUSE.

SEVIN INSECTICIDE SPRAY

SEVIN, when mixed with water, is a contact insecticide. It is applied with a wide range of sprayers. It is not compatible with diesel fuel, kerosene, or other petroleum products. It is compatible with EMULSION SPRAYERS. SEVIN INSECTICIDE SPRAY MIXTURES ARE NOT TO BE USED IN OR NEAR AREAS WHERE CHILDREN, ANIMALS, OR BEEHIVES ARE KEPT. RINSE ALL CONTAINERS THOROUGHLY BEFORE REUSE.

WARRANTY

1. The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purpose set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of tests of effectiveness of toxicity to laboratory animals and to plants, and to residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
2. This warranty does not extend to, and the Buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions.
3. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY OR TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION TO REFUND OF, OR THE RETURN OF THE PURCHASE PRICE ONLY, AND LIABILITY OF BUYER WITH RESPECT TO WHICH DAMAGES ARE LIMITED IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

INSTRUCTIONS FOR USE

1. This product is a systemic insecticide which is absorbed in water. It is used to control insects that feed on the plant. It is applied as a spray or as a dust. It is used on a wide range of plants including fruit trees, ornamentals, and vegetables. It is used to control a wide range of insects including aphids, beet beetles, and caterpillars. It is used to control insects that are difficult to control with other insecticides. It is used to control insects that are resistant to other insecticides. It is used to control insects that are causing damage to the plant. It is used to control insects that are causing damage to the crop. It is used to control insects that are causing damage to the yield. It is used to control insects that are causing damage to the quality of the product. It is used to control insects that are causing damage to the appearance of the product. It is used to control insects that are causing damage to the taste of the product. It is used to control insects that are causing damage to the texture of the product. It is used to control insects that are causing damage to the color of the product. It is used to control insects that are causing damage to the odor of the product. It is used to control insects that are causing damage to the shelf life of the product. It is used to control insects that are causing damage to the safety of the product. It is used to control insects that are causing damage to the health of the consumer. It is used to control insects that are causing damage to the environment. It is used to control insects that are causing damage to the economy. It is used to control insects that are causing damage to the society. It is used to control insects that are causing damage to the world.

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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, 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 teaspoons or other measuring devices for other purposes.

COMPATIBILITY

SEVIN INSECTICIDE SPRAY 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 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 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 casein-lime spreaders.

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INSECT CONTROL

Apply when insects or their damage appear. To maintain control repeat at 7 to 14 day intervals or as necessary under shorter intervals as specified below. Where a wide range of conditions, use lower rates on young plants and early instars and higher rates on mature plants. Advance control is essential with high humidity. Insecticides are essential for effective control.

JMCP SYSTEM INSECTICIDE SPRAY does not control spider mites. If spider mites are a problem, use a separate acaricide.

VARIABLES OF USE

All dilutions refer to teaspoons of JMCP SYSTEM INSECTICIDE SPRAY per gallon of water. Typical spray gallonages per 430 square feet range from 1-2 gallons. Do not exceed maximum rate per 430 square feet per application. (one teaspoonful equals 0.17 fluid ounces or 5 milliliters; three teaspoonsful equal one tablespoonful.)

PLANT	INSECT	TIME OF YEAR	PREVENTIVE INTERVAL (DAYS)	SPECIAL DIRECTIONS
Tomato	Tomato Pinworm	Summer	7-14	Apply 2 to 3 times with 50% for nymphs on fruit and 2 to 3 times on foliage. Use 4 to 5 teaspoons per gallon for foliage spray, 2 to 3 for fruit spray.
Tomato	Tomato Hornworm	Summer	7-14	Apply 1 to 2 times with 50% for nymphs on foliage. Use 4 to 5 teaspoons per gallon for foliage spray, 2 to 3 for fruit spray.
Tomato	Tomato Pinworm	Summer	7-14	Apply 2 to 3 times with 50% for nymphs on fruit and 2 to 3 times on foliage. Use 4 to 5 teaspoons per gallon for foliage spray, 2 to 3 for fruit spray.
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CROP	INSECT		TSPS OF SEVIN PER 1000 SQ FT	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cucurbits Melons Pumpkin Squash	Leafhopper	Mealybug	2 to 4	0	Observe plant response cautions Avoid excessive applications
	Cucumber beetles Flea beetles	Leafhoppers Squash bugs	4		
Cucurbits Escarole Lettuce Spinach	Flea beetles Hornworm	Leafhoppers	2 to 4	3 Head lettuce & escarole leaf lettuce Spinach, endive (escarole) leaf lettuce & leafy greens	Observe plant response precautions Treat on a 5 to 7 day schedule over heads begin to form
	Armyworm Cucumberworm Hornworm	Impatiens leafhopper Leafhoppers Squash bugs Tarnished plant bug	4 to 8		
	Leaf beetles Mexican bean beetle	Leafhoppers	2 to 4		
Cucurbits Melons	Mexican hopper		4 to 7	0 Tarnished plant bug Squash bugs leafhoppers chrysalis	Treat on a 5 to 7 day schedule
	Armyworm Cucumberworm Hornworm	Leafhoppers Tarnished plant bug	4 to 8		
	Leaf beetles Mexican bean beetle	Leafhoppers	2 to 4		
Cucurbits Melons	Cucumber worm	Leafhoppers	4 to 8	0	Treat on a 5 to 7 day schedule
	Leaf beetles Mexican bean beetle	Mexican bean beetle	2 to 4	0	Observe plant response precautions
	Armyworm Cucumberworm Hornworm Leafhoppers Squash bugs Tarnished plant bug	Leafhoppers Tarnished plant bug Squash bugs Tarnished plant bug Squash bugs Tarnished plant bug	4 4 4 4 4 4		
Leaf beetles Mexican bean beetle	Leafhoppers	2 to 4	0	Observe plant response precautions	

