

8590-419 / 05 28  
PM 12

JUN 12 1984

Mr. Julius C. Prinz  
Agway Inc.  
Chemical Division  
Box 4933  
Syracuse, NY 13221

**BEST AVAILABLE COPY**

Dear Mr. Prinz:

**Subject: Sevin 4F Agricultural Insecticide  
EPA Registration No. 8590-419  
Your Date of Submission May 22, 1984**

Your application for pesticide amendment has been reviewed and found acceptable with the following comments. Before you release the product for shipment you must submit final printed labeling to us incorporating the following revisions:

1. "Caution": May be harmful if swallowed. Avoid breathing vapors [dust or spray mist]. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling."
2. All end-use products containing carbaryl must bear an environmental precautionary paragraph as listed below:

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

3. All end-use products (except granular and bait formulations) containing carbaryl with outdoor use directions must include the Bee Caution listed below as a part of the environmental precautionary paragraph.

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.

CONCURRENCES

|           |  |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|--|
| SYMBOL ▶  |  |  |  |  |  |  |  |
| SURNAME ▶ |  |  |  |  |  |  |  |
| DATE ▶    |  |  |  |  |  |  |  |

- 4. The crop rotation statement listed below must be placed on all end-use products containing carbaryl. This statement should be placed in a prominent position in your use directions section.

Do not rotate to any crop not listed on this label or other carbaryl labels.

- 5. The pre-harvest interval for alfalfa is 3 days.
- 6. The dosage rate for cranberries and blueberries for end-use products containing carbaryl must be lowered to an equivalent of 3 lbs. active ingredient/acre.

Sincerely yours,

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

RD/IRB:DCR-28538:J.Ellenberger:cml:RAVEN:557-2226:RD-38:6/6/84:Del.6/19/84

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ADVERTISING AND SALES PROMOTION SERVICES

COPY

FOR:

AGWAY SEVIN 4F AGRICULTURAL INSECTICIDE

DATE: 5/21/84

((FRONT PANEL))

NET CONTENTS

NET 24-CHARACTERS  
GROSS 30-CHARACTERS

24, 5, 30, 55 Gal.

AGWAY

SEVIN 4F AGRICULTURAL INSECTICIDE

An aqueous suspension containing 4 pounds of carbaryl insecticide per gallon. For aerial or ground application.

ACTIVE INGREDIENTS:

Carbaryl (1-Naphthyl N-Methylcarbamate) 42.6%

INERT INGREDIENTS:

57.4%

TOTAL 100.0%

\*trademark of Union Carbide Corp. for the active ingredient 1-Naphthyl N-Methylcarbamate.

KEEP OUT OF REACH OF CHILDREN (12 pt.)

CAUTION (18 pt.)

See additional precautionary statements on side panel.

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EPA REG. NO. 8590-419

EPA EST. NO. 8590-PA-1

AGWAY, INC.

CHEMICAL DIV.

BOX 4933

SYRACUSE, NY 13221

OK BY  
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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUN 12 1984

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
8590-419

ADVERTISING AND SALES PROMOTION SERVICES

3037

FOR:

AGWAY SEVIN<sup>\*</sup> 4F AGRICULTURAL INSECTICIDE

DATE: 5/21/84

((REAR PANEL))

100-38222110

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION:

Harmful if inhaled or swallowed. Do not breathe spray mist or take internally. Avoid contact with skin. Wear gloves and long-sleeved work clothing. Wash hands and face before eating. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT

If swallowed - Call a physician or Poison Control Center immediately. Drink one or two 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 person.

If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin - Remove contaminated clothing and wash affected areas with soap and water.

If in eyes - Flush eyes with plenty of water. Call a physician immediately.

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FOR:

AGWAY SEVIN<sup>®</sup> 4F AGRICULTURAL INSECTICIDE

DATE: 5/21/84

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

## ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

## BEE CAUTION: MAY KILL HONEYBEES IN SUBSTANTIAL NUMBERS.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Do not use when value of bees 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.

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BOPV

FOR:

AGWAY SEVIN<sup>\*</sup> 4F AGRICULTURAL INSECTICIDE

DATE: 5/21/84

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL (12 pt.)

PROHIBITION: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store unused product in original container only. Store in a cool, dry area out of the reach of children and animals. Not for storage in or around the home. Protect from excess heat.

It is imperative that all Sevin Flowable formulations be stored and protected from freezing.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: (2 1/2 gal) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(All other containers) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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FOR:

AGWAY SEVIN<sup>\*</sup> 4F AGRICULTURAL INSECTICIDE

DATE: 5/21/84

UNREPRODUCIBLE  
REPRODUCTION

## PRODUCT INFORMATION:

Sevin 4F is an extremely fine dispersion of Sevin in water. The dilute spray is tenacious and quick setting, giving an adhesive residue to plants on partial drying. The product readily disperses in water to form a spray which may be applied by air or ground.

## OBSERVE THE FOLLOWING USE PRECAUTIONS:

Read all label directions before using.

Sevin is unstable under highly alkaline conditions. Do not use with lime, bordeaux, lime-sulfur, casein lime spreaders or other alkaline materials.

Sevin has been used without plant injury <sup>with</sup> common insecticides and fungicides, except where mixtures have contained a number of pesticides, or under adverse conditions such as high humidity, drought, improper fertilization, etc. Do not combine with emulsifiable liquids, wettable powders, nutrients or adjuvants (or with more than one other pesticide) unless previous use

OKAY

SHEET NO. 5-26

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FOR:

AGWAY SEVIN<sup>4F</sup> AGRICULTURAL INSECTICIDE

DATE: 5/21/84

of the mixture has proven compatible and safe to plants. Compatibility can be affected by water in your locality or ingredients in other products. Do not apply if physically incompatible.

## PREHARVEST AND GRAZING USE INFORMATION & LIMITATIONS

Tolerances established under the Federal Food, Drug, and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when this product is used in accordance with label directions. If used as directed, treated forage may be grazed or used as feed for dairy and meat animals without causing illegal residues in meat or milk. This product may be applied up to and including the day of harvest or grazing of forage crops. Application may be made without removing livestock from area being treated.

Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. THE GROWER IS RESPONSIBLE for residues on his crop as well as for damages caused by drift from his property to that of others.

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FOR:

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DATE: 5/21/84

Consult State Agricultural Extension Service or State Agricultural Experiment Stations for additional information, as the timing number of applications will vary with local conditions.

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.

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

Observe label instructions on apple thinning and on combinations with certain herbicides on soybeans.

INSECT CONTROL

Apply when insects or their damage appears. To maintain control repeat at 7 to 14 day intervals or as necessary unless a shorter interval is specified below. Where 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.

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Apply in sufficient spray volume to obtain thorough coverage. Where maximum washoff resistance is needed, use up to a 1:1 (vol/vol) dilution with water. Do not dilute greater than 1:11 where washoff resistance is desired.

This product does not control spider mites.

If spider mites are a problem, use a registered miticide. Treated areas may be reentered immediately after the spray has dried.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

RE-ENTRY

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

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FOR:

SEVIN 4F

DATE: 5/21/84

CAUTION

(Insert area or field description) treated with Sevin on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Sevin and describe his condition. For further information see the "Statement of Practical Treatment."

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Oral warnings must include the same information that is in the written warnings.

FORAGE, FIELD AND VEGETABLE CROPS

Use at least 1 gallon of finished spray per acre for aerial application and at least 3 gallons of finished spray per acre for concentrate ground application. To prepare small volumes of spray, use 1 tablespoonful (1/4 fluid ounce) per gallon of water where rates of 1 quart per acre or 1 quart per 100 gallons are indicated in the tables below.

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Unless otherwise specified, rates are in terms of Sevin 4F per acre in sufficient water for thorough coverage.

Days as pre-harvest interval are indicated in ( ) after crop.

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SHEET NO. 9

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FOR:

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Alfalfa, Clovers:

Blister beetles, Mexican bean beetle. Use 1 to 2 pts. Alfalfa caterpillar, bean leaf beetle, cucumber beetles, green cloverworm, Japanese beetle, leafhoppers, three-cornered alfalfa hopper, thrips, velvet bean caterpillar. Use 2 pts. Armyworms, corn earworm, stink bugs, webworms. Use 2 to 3 pts. Alfalfa weevil - Use 2 1/2-3 pts. (Eastern States) and 2 pts. (Western States) for control of alfalfa weevil larvae in the spring. If pre-treatment damage

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FOR: SEVIN 4F

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is extensive, cut the alfalfa and make the application to the stubble. Cutworms - Use 3 pts.

Application: To avoid possible injury on tender foliage - do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. (Alfalfa - 3 1/5 pts., Clover - 3 pts.)

Asparagus:

Asparagus beetle on seedlings or spears. Use 2 to 4 pts.

Application: Do not apply more often than once every 3 days. Do not apply within 1 day of harvest. (4 pts.) Post-harvest: Asparagus beetle and apache cicada on ferns or brush growth. Use 4 to 8 pts. (8 pts.)

Beans (Green, Lima, Snap, Cowpeas, Black-eyed Peas):

Mexican bean beetle. Use 1 pt. Bean leaf beetle, cucumber beetles, flea beetles, Japanese beetle, leafhoppers, velvet bean caterpillar, western bean cutworm. Use 2 pts. Armyworms, cutworms, corn earworm, stink bugs, tarnished

← PICA - 50 CHARACTERS  
ECLIPSE - 10 CHARACTERS

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plant bugs. Use 2 to 3 pts. Cowpea curculio (on cowpeas only), Use 4 pts.

Application: Apply 4 applications beginning at first bloom and at 5 day intervals thereafter.

Carrots, Chinese Cabbage, Collards, Dandelion, Endive (Escarole), Garden Beets, Horseradish, Kale, Lettuce, Mustard Greens, Parsley, Parsnips, Radishes, Rutabagas, Salsify, Swiss Chard, Turnips:

Flea beetles, harlequin bug, leafhoppers.

Use 1 to 2 pts. Six-spotted leafhopper (aster yellows vector). Use 2 to 3 pts. on a 5 to 7 day schedule. Armyworms, imported cabbage worm, diamond-back moth larvae and loopers, corn earworm, tarnished plant bug, stink bugs. Use 2 to 4 pts.

Application: For optimum control of corn earworm after lettuce heads begin to form, use 4 pts. in a 5 to 7 day schedule. Where cabbage looper is the principal problem, use an alternative pesticide that is specifically recommended. For control of small cabbage loopers in commercial plantings after edible portions begin to

PCA - 10 CHARACTERS  
1. 18 - 10 CHARACTERS

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form, use 2 to 4 pts. in a 5 to 7 day schedule. To avoid possible injury on lettuce, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. Do not apply within 3 days of harvest of head lettuce, garden beets (roots), horseradish, radishes, parsnips, rutabagas, salsify (roots), and turnips (roots). Do not apply within 14 days of harvest of chinese cabbage, collards, dandelion, endive (escarole), garden beets (tops), kale, leaf lettuce, mustard greens, parsley, salsify (tops), spinach, swiss chard and turnips (tops), (4 pts.)

Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kohlrabi):

Flea beetles, harlequin bug, Use 1 to 2 pts. Armyworms, imported cabbage worms, diamond back larvae and loopers, corn earworm. Use 2 to 4 pts. Where cabbage looper is the principal problem, use an alternative pesticide that is specifically recommended. For control of small cabbage loopers in commercial plantings after edible portions begin to form, use in a 5 to 7 day schedule. Do not apply within 3 days of harvest. (4 pts.)

1078 - 10 CHARACTERS  
1078 - 10 CHARACTERS

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FOR: SEVIN 4F

DATE: 5/21/84

Corn:

Corn earworm, corn rootworm adults, European corn borer, fall armyworm, flea beetles, Japanese beetle, leafhoppers, sap beetles. Use 2 to 4 pts. For larvae in whorl (budworm damage) and foliage feeders, apply to entire plant - repeat as necessary. For insects attacking silks and ears, apply at 2 to 3 day intervals starting when first silks appear and continuing until silks begin to dry. Three or more applications may be required depending on severity of infestation. Timing and good coverage are absolutely essential for effective control. Cutworms - use 4 pts. Application to the tassel region of corn during the pollen shed period will seriously reduce bee populations. (4 pts.)

Cucumbers, Melons, Pumpkins, Squash:

Melonworm, pickleworm, use 1 to 2 pts. Cucumber beetles, flea beetles, leafhoppers, squash bugs, use 2 pts.

Application: Avoid excessive application. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days.

(2 pts.)

PGA - 30 CHARACTERS  
LUTE - 28 CHARACTERS

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FOR: SEVIN 4F

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Forage Grasses and Pasture:

Armyworms, thrips. Use 2 to 3 pts. For thrip control in grasses grown for seed, high spray pressure may help penetrate into root. (3 pts.)

Garden Peas:

Colorado Potato beetle, leafhoppers, use 2 pts. For Colorado potato beetle control apply to weeds in fields to help prevent contamination in processed peas. Armyworms, grasshoppers, use 2 to 3 pts. (5 1/5 pts.)

Peanuts:

Blister beetles, use 1 to 2 pts. Alfalfa caterpillar, bean leaf beetle, cucumber beetles, green cloverworm, Japanese beetle, leafhoppers, three-cornered alfalfa hopper, thrips, velvet bean caterpillar, use 2 pts. Armyworms, corn earworm, stink bugs, webworms, use 2 to 3 pts. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days. (3 pts.)

Potatoes, Tomatoes, Eggplants, Peppers:

Colorado potato beetle, flea beetles, leafhoppers. Use 1 to 2 pts. European corn borer

PCA 24 CHARACTERS  
ELITE - 36 CHARACTERS

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fall armyworm, lace bugs, stink bugs, tarnished  
 plant bugs, tomato fruitworm, tomato hornworm,  
 Use 2 to 4 pts. Cutworms (on potato, tomato,  
 eggplant), use 4 pts. (4 pts.)

Soybeans

Blister beetles, Mexican bean beetle - Use 1  
 to 2 pts. Alfalfa caterpillar, bean leaf  
 beetle, cucumber beetles, green cloverworm,  
 Japanese beetle, leafhoppers, three-cornered  
 alfalfa hopper, thrips, velvet bean caterpillar.  
 Use 2 pts. Armyworms, corn earworm, stink bugs,  
 webworms, use 2 to 3 pts.

Application: To avoid possible injury on tender  
 foliage, do not apply when foliage is wet or  
 when rain or excessive humidity is expected  
 during the next 2 days. WARNING! Do not apply  
 in combination with 2,4-DB herbicide (such as  
 "Butyrac" 175 or "Butoxone" SB). (3 pts.)

Sugar Beets:

Armyworms, leafhoppers, webworms, use 2 to 4  
 pts.

Application: Do not apply within 14 days of  
 harvest.

DO NOT REPRODUCE  
WITHOUT PERMISSION

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Tobacco:

IN PLANT BEDS: Tobacco flea beetle, Use 4  
tablespoonfuls per gal. or 2 pts. per 50 gals.  
water and apply 6 gals. per 100 sq. yds.  
Green June beetle grubs, use 1 pt. per 100 gals.  
water.

Application: Apply when insects or damage appear  
to areas that larvae have uprooted only by  
sprinkling as a drench with 50-100 gals. per  
100 sq. yds. May be applied before or after  
seeding. Avoid excessive application; plant  
injury may result. IN FIELDS: Budworms, flea  
beetles, Japanese beetles, June beetles,  
hornworms, use 2 to 4 pts.

Application: Use lower rate on young plants  
up to knee high; higher rate on mature  
plants, Use at least 10 gallons per acre of  
the prepared spray. Begin treatments when  
worms are small. Avoid excessive application  
in plant bud as injury may result. Treated  
fields may be entered immediately after foliage  
has dried. If late applications are necessary  
allow 3 days before priming or cutting. (4-  
1/2 pts.)

REGISTRATION NO. 1278-24-0000000000

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FOR: SEVIN 4F

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FRUIT AND NUT CROPS

Unless otherwise specified, rates are in terms of Sevin 4F per 100 gallons of dilute spray. If concentrate sprayers are used, the amount per 100 gallons should be adjusted in order to apply the same quantity of active ingredient per acre. Make first application when insects appear or damage is observed. Repeat as necessary.

Apples, Pears - East of the Rocky Mountains:

Apple Mealybug, codling moth, green apple aphid, white apple leafhopper - Use 1 pt. Aphids (rosy apple, wooly apple) apple maggot, bagworm, eastern tent caterpillar, European apple sawfly, eyespotted bud moth, fruit tree leaf roller, green fruitworm, Japanese beetle, mites (apple rust, pear leaf blister, pear rust), pear psylla, periodical cicada, plum curculio, red-banded leaf roller, scales (forbes, lecanium, oyster-shell, San Jose), tarnished plant bug, tentiform leaf miners - Use 2 pts.

Application: When heavy aphid infestations are present, repeated applications may be necessary for optimum control. To control rosy apple aphids, apply before leaves are curled. For optimum scale control, apply when crawlers are present. Apply at 10 day intervals for apple maggot control. Applications within 30 days

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after bloom may also provide apple thinning. To avoid this, delay use until at least 30 days after full bloom. May cause foliar injury if used before second cover on York and McIntosh apples. Do not apply within 1 day of harvest. (24 pts.)

Apple Thinning:

Many factors influence the degree of apple thinning obtained with Sevin. These include tree age, variety and nutrition, previous crop, pruning, degree of set, bloom, weather and use of other chemical thinners. When any of these favor reduce fruit set, caution should be observed in applying so that excessive thinning and possible yield reduction will not occur. Use 1/2 to 1 pt. on easily-thinned varieties. Apply for full coverage. Use 1 to 2 pts. on hard-to-thin varieties.

Application: Apply in one spray timed between 10 and 25 days after full bloom. Easily-thinned varieties include: Cortland, Grimes, Jonathan, McIntosh, Orleans, Puritan, Red Delicious, Rome Beauty, Winesap, and Yellow Newton. Difficult-to-thin varieties include Baldwin, Ben Davis, Dutchess, Early McIntosh, Golden Delicious,

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Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent and York Imperial.

FIG. 10-CHARACTERS  
LINE 10-CHARACTERS

Apricots, Nectarines, Peaches:

Codling moth, cucumber beetles, European earwig, fruit tree leaf roller, Japanese beetle, June beetles, lesser peach tree borer, periodical cicada, PLATYNOTA FLAVENDANA, plum curculio, red-banded leaf roller, scales (lecanium, olive, San Jose), tarnished plant bug, tussock moth. Use 2 pts.

Application: For optimum scale control, apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly, weekly during moth flight. Do not apply within 1 day of harvest of peaches. 3 days of harvest of apricots and nectarines. (16 pts.)

Blackberries, Boysenberries, Dewberries, Logan-berries, Raspberries:

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Japanese beetle, leafhoppers, leaf rollers, raspberry aphid. Use 4 pts. per acre.

Application: A dilute spray of 100-200 gals. water per acre is suggested. Do not apply within

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7 days of harvest. (4 pts.)

← 100 CHARACTERS  
100 CHARACTERS

Blueberries:

Blueberry maggot, European fruit lecanium, fruitworms (cherry, cranberry), Japanese Beetle. Use 3 to 4 pts. per acre. A dilute spray of 125-150 gals. water per acre is suggested.

Application: Apply 3 weeks before harvest and repeat 10 days later or as necessary. (4 pts.)

Cherries, Plums, Prunes:

Aphids (black cherry, mealy plum), cherry fruit fly, cherry fruitworm, eye-spotted bud moth, fruit tree leaf roller, Japanese beetle, lesser peach tree borer, peach twig borer, plum curculio, prune leafnopper, red-banded leaf roller, scales (brown soft, forbes, lecanium, oystershell, San Jose). Use 2 pts. Codling moth, eastern tent caterpillar, orange tortrix, tussock moth. Use 1-1½ pts.

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Application: For optimum scale control, apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly, weekly during moth flight. Do not apply within 1 day of harvest. (12 pts.)

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Cranberries:

11CA - 28 CHARACTERS  
117B - 28 CHARACTERS

Cutworms, fireworms, Japanese beetle, leafhoppers.  
Use 3 to 6 pts. per acre. A dilute spray of  
300 gals. water per acre is suggested.

Application: Apply in late bloom and as needed at  
7 to 10 day intervals. Do not apply within 1 day  
of harvest. (6 pts.)

Grapes:

European fruit lecanium, grape leaf folder, grape  
leafhoppers, grape leaf skeletonizer. Use 2 to 4  
pts. per acre. Grape Berry Moth, Japanese beetle,  
June beetles, red-banded leaf roller. Use 4 pts.  
per acre. A dilute spray of 200 gals. water per acre  
is suggested.

Application: Spray just before first brood leaf  
folder larvae emerge from rolls and as needed  
for leafhoppers. (6 pts.)

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Strawberries:

Meadow spittlebug, strawberry leaf roller, strawberry  
weevil. Use 2 to 4 pts. per acre. A dilute  
spray of 100-200 gals. water per acre is suggested.



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FOR: SEVIN 4F

DATE: 5/21/84

Specialty Uses:

ADULT MOSQUITO CONTROL:

FOR USE ON PASTURE AND RANGELANDS, NON-AGRICULTURAL LANDS SUCH AS YARDS, PARKS, RECREATION AREAS, LOGGING CAMPS, MILITARY POSTS AND ADJACENT FORESTED LANDS OR WASTELANDS. Use 1/4 to 1 pt. per acre in suitable low pressure ground equipment.

Application: Apply in sufficient spray gallonage to effectively cover area to be treated. For all methods apply in sufficient water to effectively cover area to be treated. By airplane use in 3 to 5 gals. water per acre.

For optimum control apply in early morning or evening when air is calm and adult mosquitoes are active. Use 1 qt. per 100 gals. in hydraulic sprayers, or 2 teaspoons per gallon in hand sprayers for treating backyards or other limited areas. Thoroughly cover lower shade tree foliage, shrubbery, flower beds, grass and shaded areas around buildings where adult mosquitoes congregate. Do not apply to water. Repeat at 7 to 10 day intervals or as necessary. Sevin injures Boston Ivy. Do not use on this ornamental.

PICA - 30 CHARACTERS  
ELITE - 40 CHARACTERS

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25-111  
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FOR: SEVIN 4F

DATE: 5/21/84

Lawn:

ANTS, CHINCH BUGS, EARWIGS, FALL ARMYWORMS, FLEAS, LEAFHOPPERS, MOSQUITOES, SOD WEBWORMS (LAWN MOTHS), MILLIPEDES - Apply 1/4 pt. in 15 to 20 gals. water for each 500 sq. ft. of established lawn area.

Application: Use garden hose sprayers or pressure type equipment and apply full water volume to insure good penetration of turf. For best results, mow lawn and apply immediately after rain or watering. Repeat in 2 to 3 weeks if necessary.

Ornamental Plants, Flowers, Shrubs and Shade

Trees:

Rose, Carnation, Gladiolus, Zinnia, Chrysanthemum, Lilac, Arborvitae, Juniper, Hydrangea, Azalea, Elm, Maple, Oak, Dogwood, Birch and

Pines:

(Do not use on Boston Ivy) - Apply 1 qt. per 100 gals. water (2 level teaspoonfuls per gal.) when insects or their damage appear. Repeat weekly or as needed to control: Apple aphid, bagworm, birch leaf miner, blister beetles, boxelder bug, boxwood leaf miner, elm leaf aphid, elm leaf beetle, flea beetles, gypsy

PCA - 20 CHARACTERS  
ELITE - 30 CHARACTERS

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moth, Japanese beetle, June beetles, lace bugs, leafhoppers, leaf rollers, mealybugs, mimosa webworm, oak leaf miners, orange tortrix, periodical cicada, plant bugs, puss caterpillars psyllids, rose aphid, roseslug, scale insects, tent caterpillars, thorn bugs, thrips (exposed) willow leaf beetles.

FIG. 10-CHARACTERS  
FIG. 11-10-CHARACTERS

### POULTRY PEST CONTROL:

Chickens, Ducks, Game Birds, Geese, Pigeons, Turkeys:

DIRECT SPRAY MIST ON BIRDS: Control chicken mite, fleas, lice and northern fowl mite by (1)

MISTING WITH ELECTRIC FOG MACHINE: Mix 10 fl. ozs. in 1 gal. of spray. Use 1 1/2 gal. per 1,000 hens in cages, on litter or on slatted floor.

Repeat in 4 weeks if necessary, or (2) SPRAY WITH KNAPSACK OR CYCLINDER TYPE COMPRESSED AIR SPRAYERS: Mix 6 fl. ozs. in 5 gals. of spray. Use 1 gal. per 100 hens in cages on litter or on slatted floor. Repeat in 4 weeks if necessary.

Direct mist spraying for chicken mites and fleas is a supplement to spraying roosts and buildings for control of these pests. SPRAY ROOSTS AND BUILDINGS with conventional power spray or knapsack equipment. For bedbugs, chicken mite and fleas - use 1 qt. per 25 gals. water. For fowl

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ticks, use 1 gal. per 25 gals. water. Spray 1 to 2 gal. per 1,000 sq. ft. of wall, bedding, litter or roost surfaces. Force spray into cracks and crevices, repeat as needed.

NOTE: This pesticide is to be sold ONLY in this original unbroken package.

DISCLAIMER: Buyer assumes all risks of use, storage or handling not in strict accordance with directions given herewith.

← 100 CHARACTERS  
100 CHARACTERS

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