

AUG 24 1987

Ms. L.J. Strong
J.R. Simplot Company
P.O. Box 198
Lathrop, CA 95330

Dear Ms. Strong:

Subject: Sevin 4 Flowable
EPA Registration No. 7001-105
Your Application Dated May 15, 1987

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies 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 constitutes acceptance of these conditions.

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

Sincerely yours,

Dennis M. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

39577:I:Edwards:197462:E-7:8/13/87:8/25/87:TED:vo:EK:TED

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SEVIN 4*

| | |
|---|----------------|
| ACTIVE INGREDIENT: | BY WT. |
| Carbaryl (1-Naphthyl Methylcarbamate) | 42.80% |
| INERT INGREDIENTS: | 57.20% |
| TOTAL | 100.00% |

Contains 4 lbs Carbaryl per Gallon

U.S. Patent No. 2,903,478

*Trademark of Union Carbide Corp. for the active ingredient Carbaryl Insecticide

EPA Reg. No. 7001-105-AA

EPA Est. No. 7001-CA-1

KEEP OUT OF REACH OF CHILDREN CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: May be harmful if swallowed. Avoid breathing of spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wear regular long-sleeved clothing.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention. IF ON SKIN wash with soap and water. If irritation persists contact a physician. IF IN EYES flush with water for 15 minutes. IF INHALED remove exposed person to fresh air.

NOTE TO PHYSICIAN: Sevin is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic and estuarine invertebrates. Do not spray directly to water or wetlands, except for rice uses. Discharge from rice fields may kill aquatic and estuarine invertebrates. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

STORAGE: Store in a cool, dry, well-ventilated area.

DISPOSAL: Triple rinse or equivalent. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Subsequent planting of food and feed crops in treated soil must be made with crops on this or other carbaryl labels.

To avoid possible injury on tender foliage, do not apply when foliage is wet or when or excessive humidity is expected during the next two days.

For Codling Moth, Apple Maggot, Oriental Fruit Moth, Plum Curculio, Listed—Ap. Sevin Flowable at Petal Fall and every 14 days thereafter until control is achieved. Before using agitate contents by shaking or rolling container.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose work or other persons. The area being treated must be vacated by unprotected persons not enter treated areas without protective clothing until the dust has settled. Cert states may require more restrictive re-entry intervals for various crops treated with product. Consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a tree area or in an area about to be treated with this product. When oral warnings are given warnings shall be given in a language customarily understood by workers. Written or oral warnings must include the following information: "CAUTION: Area treated with SEVIN 5 GALT, on (date of application). Do not enter without appropriate protective clothing until dusts have settled." Required Protective Clothing: long-sleeved shirt, long-legged pants.

Directions for Dilution

DILUTE APPLICATION: Ground Application: Apply specified rate in 20 to 60 gallons water per acre. Orchard Application: Apply specified rate in 100 to 800 gallons of water per acre.

CONCENTRATE APPLICATION: Ground Application: Apply specified rate in not more than 5 gallons of water per acre. Orchard Application: Apply specified rate in 20 to 60 gallons of water per acre. Special concentrate equipment is necessary for these uses.

AIR APPLICATION: Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 15 gallons of water per acre.

Fruit and Nut Crops:

Apples, Pears: Codling Moth, Apple Sucker, Woolly Apple Aphid, Green Apple Apteris, Pear Psylla, Orange Tortrix, Scale (San Jose), Oyster Shell, Lecanium, Lygus Bug, Apple Rust Mite, Pear Leaf Blister Mite, Pear Rust Mite. Apply 3 to 12 quarts per acre. Do not apply within one day of harvest. To avoid apple thinning delay use until at least 30 days after bloom.

Almonds: Peach Twig Borer, San Jose Scale, Fruit Tree Leafroller. Apply 3 to 8 quarts per acre. No time limitation.

Apricots, Nectarines, Peaches: Oriental Fruit Moth, Peach Twig Borer, Plum Curculio, Codling Moth, Orange Tortrix, Tussock Moth, Fruit Tree Leafroller, June Beetles, Red-banded Leafroller, Japanese Beetle, European Earwig, Scale (Lecanium, San Jose Olive). Apply 3 to 8 qts. per acre. Do not apply within 3 days of harvest on apricots, nectarines, within one day of harvest on peaches.

Bananas: Leaf Feeding Lepidoptera Larvae (Serimida, Operiphanes, Caligo and Sida Species). Apply one application of one quart per acre. No time limitations.

Blueberries: Blueberry Maggot, Cherry Fruitworm, Cranberry Fruitworm, European Flea Beetle, Japanese Beetle. Apply 1 1/2 to 2 qts. per acre. No time limitation.

Cane Berries: (Blackberry, Boysenberry, Dewberry, Loganberry, Raspberry): Japan Beetle, Leafrollers, Leafhoppers, Raspberry Aphid. Apply 2 qts. per acre. Do not apply within 7 days of harvest.

Cherries, Plums, Prunes: Cherry Fruit Fly, Cherry Fruitworm, Fruit Tree Leafroller, Peach Twig Borer, Lesser Peach Tree Borer, Black Cherry Aphid, Mealy Plum Aphid, Plum Curculio, Prune Leafhopper, Red-banded Leafroller, Japanese Beetle, Scale (Black, Brown, San Jose, Oyster Shell, Lecanium), Codling Moth, Eastern Tent Caterpillar, Orange Tortrix, Tussock Moth. Apply 3 to 6 qts. per acre. Do not apply within one day of harvest.

Citrus: California Orange Dog, Citrus Cutworm, Fruit Tree Leafroller, Orange Tortrix, Tussock Moth, Scale (Black, Brown, Soft, California Red, Citricola). Apply per 100 gallons of water. Do not apply within 5 days of harvest.

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Berries: *Fruitworms, Fireworms, Leafhopper, Cutworms, Japanese Beetle.* Apply 1/2 to 3 qts. per acre. Do not apply within one day of harvest.

Berries: *Filbert Moth, Filbert Aphid, Filbert Leafroller.* Apply 4 to 5 qts. per acre. No time limitations.

Grapes: *Grape Leafhopper, Leafhopper, Grape Leaf Skeletonizer, European Fruit Lecanium.* Apply 1 1/2 to 3 qts. per acre. *Grape Berry Moth, Japanese Beetle, June Beetle, Red-banded Leafroller.* Apply 2 to 3 qts. per acre. No time limitation.

Olive: *Olive Scale.* Apply 3 to 8 qts. per acre with summer oil. No time limitation. Do not apply more than 2 applications per season.

Strawberries: *Meadow Spittlebug, Leafroller, Strawberry Weevil.* Apply 1 to 2 qts. per acre. Do not apply within one day of harvest.

Walnuts: *Codling Moth, Sawfly, European Fruit Lecanium, Callizo, Filbert Worm, Fruit Tree Leafroller, Aphid, European Earwig.* Spray tree trunk to run off. Apply 3 to 5 qts. per acre. No time limitation.

Forage, Feed, Seed Vegetable Crops:

Alfalfa, Clover, Peanuts, Turf: *Blister Beetle, Mexican Bean Beetle, Thrips, Leafhopper, Hopper, Cucumber Beetle, Bean Leaf Beetle, Japanese Beetle, Alfalfa Weevil, Armyworms, Webworms.* Apply 1 to 2 qts. per acre. No time limitation.

Asparagus: *Asparagus Beetle.* Apply 1 to 2 qts. per acre during cutting season. Do not repeat application within 3 days.

Beans: *Mexican Bean Beetle, Leafhoppers, Bean Leaf Beetle, Cucumber Beetles, Western Bean Cutworm, Flea Beetles, Japanese Beetles, Velvet Bean Caterpillar, Cutworm.* Apply 1 to 2 qts. per acre. *For Lima Bean Pod Borer, Corn Earworm, Lygus Bug, Stink Bug.* Apply 2 qts. per acre. No time limitation.

Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kohlrabi: *Flea Beetle, Harlequin Bug, Corn Earworm, Armyworm, Cabbage Looper.* Apply 1 to 2 qts. per acre. Do not apply within 3 days of harvest. (Where the cabbage looper is the principal problem, use an alternative pesticide specifically recommended for it. For control of small cabbage looper after seedling parts start to form, use carbaryl at 5-7 day intervals.)

Carrots, Chinese Cabbage, Collards, Dandelion, Endive, Garden Beet, Horseradish, Kale, Lettuce, Mustard Greens, Parsley, Parsnips, Radishes, Rutabagas, Salsify, Spinach, Swiss Chard, Turnips: Apply 1 to 1 qt. per acre for *Flea Beetle, Harlequin Bug, Leafhopper.* Apply 1 to 2 qts. per acre for *Six-spotted Leafhoppers* (in a 5-7 day schedule). *Armyworms, Corn Earworm, Tarnished Plantbug, Stink Bug.* For *Corn Earworm* on lettuce, use 2 quarts per acre after heads begin to form. Do not apply to lettuce when foliage is wet or when rain or excess humidity is expected during the next 2 days. Do not apply within 14 days of harvest on Chinese Cabbage, Collards, Dandelion, Endive, Garden Beet (tops), Kale, Leaf Lettuce, Mustard Greens, Parsley, Salsify (tops), Spinach, Swiss Chard, Turnip (tops). Do not apply within 3 days of harvest on Head Lettuce, Garden Beet (roots), Horseradish, Radishes, Parsnips, Rutabagas, Salsify (roots), Turnips (roots). No time limitation on carrots.

Corn: *Corn Earworm, Corn Rootworm Adult, European Corn Borer, Fall Armyworm, Flea Beetles, Japanese Beetle, Flea Beetle, Leafhoppers.* Apply 1 to 2 qts. per acre. No time limitation. For *Corn Earworms* apply to silks as soon as they appear. Make 3 to 4 applications at 2-3 day intervals as infestation warrants. Re-apply immediately after rain. Application of this product to the tassels region of sweet corn during the pollen shed period will seriously reduce bee population. For *European Corn Borer* consult your state Agricultural Experimental Station for proper timing of treatment.

Onion: *Thrips, Flea Beetles, Cotton Fleahopper, Cotton Leafworm, Striped Blister Beetle.* Apply 1/2 to 2 qts. per acre. *Softscale, Bollworm, Fall Armyworm, Leaf Perforator, Leafroller, Leafhoppers, Tarnished Plant Bug.* Apply 1 to 2 qts. per acre. *Pink Bollworm, Salt Marsh Caterpillar, Stink Bug.* Apply 2 to 2 1/2 qts. per acre. Do not apply within days of harvest.

Cucumbers, Pumpkins, Squash, Melons: *Pickleworm, Melonworm, Cucumber Beetle, Flea Beetle, Leafhopper, Squash Bug.* Apply 1 qt. per acre. No time limitation.

Eggplants, Peppers, Tomatoes: *Flea Beetles, Leafhoppers, Tomato Fruit Worm, Fall Armyworm, Tomato Hornworm, European Corn Borer, Stink Bug, Tarnished Plant Bug.* Apply 1 to 4 qts. per acre. *Cutworms.* Apply 2 to 4 qts. per acre. No time limitations.

Grass (Forage, Pasture): *Thrips, Armyworms, Grasshoppers.* Apply 1 to 1 1/2 qts. per acre. No time limitations.

Oats: *Corn Earworm, Stink Bugs.* Apply 1 to 2 qts. per acre. No time limitations.

Peas: *Leafhoppers, Colorado Potato Beetle, Armyworm, Grasshoppers.* Apply 1 to 2 1/2 qts. per acre. No time limitations.

Potatoes: *Colorado Potato and Flea Beetle, Leafhoppers, Fall Armyworm, Stink Bugs, Tarnished Plant Bugs.* Apply 1 to 2 qts. per acre. Foliage applications only. No time limitations.

Rice: *Armyworms, Stink Bugs, Grasshoppers, Tadpole Shrimp.* Apply 1 to 2 qts. per acre. Do not use within 15 days of propanil herbicide. Do not apply within 14 days of harvest. Highly toxic to shrimp and crabs. Do not apply where this is an important resource. Do not use on rice fields in which crayfish/catfish farming is included in the cultural practices.

Sorghum: *Armyworms, Webworms, Corn Earworm, Stink Bug, Grasshoppers.* Apply 1 to 2 qts. per acre. *Sorghum Midge, Cutworms.* Apply 2 qts. per acre. Do not apply within 21 days for grain. No time limitation for forage.

Sugar Beets: *Leafhoppers, Armyworms, Webworms, Grasshoppers.* Apply 1 to 2 qts. per acre. Do not apply within 14 days of harvest.

Tobacco: *Hornworm, Budworms, Flea Beetles, June Beetles, Japanese Beetles.* Apply 1 to 2 qts. per acre foliage treatment. Avoid excessive applications. If late season applications are necessary, treat immediately after pruning rather than before pruning.

ACCEPTED
with COMMENTS
EPA Letter Dated

AUG 24 1967

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 7001-105

DISCLAIMER OF WARRANTY: The composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation, are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid and binding upon seller.

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