

**SOYBEANS** — Use not registered in California

**Infrared Band Treatment**—Apply 2 to 4 pts. "Ydate" L in 10 to 20 gals. of water per acre (based on 36" row spacing) at planting. Spray over open drill row at the juncture where the seed is covered with soil to assure mixing of "Ydate" L with the soil around the seed.

**Incorporated Band Treatment**—Apply 2 to 4 pts. "Ydate" L in 10 to 20 gals. water per acre to a 7" to 10" band in the drill area (based on 36" row spacing) as a preplant treatment (up to 1 week before planting) or as a treatment at planting. Incorporate the "Ydate" L 2" to 4" into the soil in the seed zone.

**Incorporated Broadcast Treatment**—Apply 1 to 2 gals. of "Ydate" L in 10 to 20 gals. of water per acre as a preplant treatment (up to 1 week before planting) or as a treatment at planting. Incorporate the "Ydate" L 2" to 4" into the soil in the seed zone.

**Note**—Do not cut for hay or feed treated forage to livestock. Do not apply "Ydate" L to areas with severe infestations of nematodes such as where injury to plants is manifested by severe stunting and chlorosis as "Ydate" L will not control severe infestations.

**TOBACCO**

**ROOT KNOT (EXCEPT JAPANESE) AND LESION NEMATODES AND FLEA BEETLES**—Measure "Ydate" L accurately as over application may cause stunting of tobacco.

"Ydate" L may be used:  
 • As a preplant soil-incorporation treatment. • Alone as a transplant water treatment for 2 to 4 weeks of nematode and flea beetle control. • As a transplant water treatment following "Ydate" L or other contact nematocides, preplant fumigants, or multi-purpose fumigants and standard flea beetle treatments. • As a foliar treatment to extend early season nematode and flea beetle control following the use of "Ydate" L in transplant water or the soil use of "Ydate" L or other contact nematocides, preplant fumigants or multi-purpose fumigants and standard flea beetle treatments.

**Soil Treatment**—"Ydate" L may be applied to the soil as a band treatment or it may be broadcast, disced, and bedded. For best results the tobacco should be transplanted within 24 hours after soil treatment; however, if the transplant water treatment is used tobacco may be transplanted within one week after the soil treatment.

**Row Treatment**—Apply 1 to 3 gals. of "Ydate" L in an 18" to 24" inch band in a minimum of 20 gals. of water per acre of tobacco (12,000 row feet). Use the lower rates for lower infestations, the higher rates and wider band for severe infestations. Thoroughly incorporate with a rotary tiller to a depth of 4 to 6 inches.

**Broadcast and Bed Treatment**—Apply a broadcast spray of 1 to 3 gals. per acre in a minimum of 40 gals. of water. Use lower rates for lower infestations and the higher rates for severe infestations. Incorporate thoroughly to a depth of 4 to 6 inches and bed the field in such a manner that only treated soil is used to form the beds.

**Transplant Water Treatment**—Apply "Ydate" L at the following recommended rates in the transplant water depending on the number of plants per acre. Use a minimum of 100 gals. of transplant water per acre.

Plants/Acre	Rate in Pts./Acre	Rate in Fl. Oz./Acre
9,000	2	32
7,900	1.5	28
6,800	1.1	24
5,600	1.1	20

For small quantities mix 1 tablespoonful "Ydate" L per 10 gals. of water using 1/2 pint of solution. plant.

**Foliar Treatment**—Make 2 foliar applications of 4 pts. "Ydate" L per acre of tobacco. Include a spreader sticker. Apply a directed spray in 20 gals. of water 2 weeks after transplanting. Apply a second directed spray in 20 to 40 gals. of water (depending on plant size) 4 to 5 weeks after transplanting.

For best results use 3 spray nozzles positioned over and to each side of the row so that the entire plant is covered with spray.

**ORNAMENTALS, NURSERY STOCK, NON-BEARING FRUIT TREES**

"Ydate" L is recommended for use on the following ornamentals, nursery stock and non-bearing fruit trees for control of insects, mites and nematodes:

Azalea	Borwood	Citrus*	Dracena	Hoya	Peach**	Philodendron	Snapdragon
Aspidistra	Cherry*	Croton	Gardenia	Tea/roseal fern	Pear*	Rose	Strawberry
Aspidistra	Chrysanthemum	Dieffenbachia	Picta	Gladiolus	Maranta	Peony	Sansiveria
Bamboo	Hydrangea	Impatiens	Japanese	Japanese	Japanese	Japanese	Japanese

\* bearing trees and strawberries that will not bear fruit within 12 months after application.  
 • Certain varieties of strawberries are sensitive to "Ydate" L exhibiting severe phytotoxic symptoms. Known sensitive varieties that should not be treated with "Ydate" L include Bounty, Canoga, NY 13621, Cavalier, Darrow, Dunlop, Earlestown, Earlelow, Empire, Holiday, Marlate, Midland, Midway, Mac Mac, NY 1409, Ogatare, Redglove, Redstar, Sequoia, Star, Red, Sunrise, and winter. However, other varieties may also be sensitive. Therefore, "Ydate" L should be used initially only on a small scale to determine crop sensitivity prior to large scale field application.

See separate Du Pont literature for additional plants.

**INSECTS AND BITES** including aphids, fungus gnats, Japanese beetle, leafhoppers, leafminers, mealybugs, royal palm bug, scales, thrips, white fly, and mites.

**Foliar Treatment**—Mix 2 to 4 pts. "Ydate" L per 100 gals. and apply up to 200 gals. of this mixture per acre or apply 4 to 8 pts. "Ydate" L per acre in a maximum of 500 gals. water per acre. For small areas mix 3 to 6 tablespoonfuls "Ydate" L per 5 to 14 gals. water and apply to 1,000 sq. ft. Apply as needed to maintain control.

**NEMATODES** including root knot (except Japanese), sting, lesion, and burrowing nematodes.  
 "Ydate" L may be used as a pretransplant soil treatment, as a drench or as a root drench or bulb dip. It may also be used as a foliar treatment alone or as a supplement to the above "Ydate" L or other nematocidal treatments. When transplanting plants should be set into soil within 24 hours after application.

**Preplant Soil Incorporation Treatment**—Apply 3 to 4 gals. "Ydate" L in a minimum of 20 gals. of water per acre. Thoroughly incorporate with a rotary tiller to a depth of 4 to 8 inches immediately after application. If applied in a hand use proportionately less material.

**Soil Drench Treatment**—Mix 2 3/4 ozs. of "Ydate" L in 10 gals. of water. Spray 2.9 to 3.9 to 3 gals. of the dilute mix on to 1 cubic yard of soil while tamping in a soil mixer. Use 1 to 1 1/3 pts. for 1 bushel of soil.

**Foliar Treatment**—As a foliar treatment mix 2 to 4 pts. "Ydate" L per 100 gals. of water and apply as a dilute spray, not to exceed 8 pts. per acre. Apply on a 2- to 3-week schedule for 4 applications. Apply first spray at first full leaf or when plants is in active growth phase. Do not apply to plants under water stress or to plants not actively growing. Include a spreader sticker.

**Liquid Drench**—Mix 1 pt. of "Ydate" L in 100 gals. of water (1 1/2 tablespoon 5 gals.).

**Root Drench or Bulb Dip**—Mix 2 to 4 pts. of "Ydate" L in 100 gals. of water (3 to 4 tablespoon 5 gals.). Place plant material in solution for 1 to 30 minutes. Use the higher rate and longer soaking time for more severe nematode infestation.

**Note**—Do not treat apple, cherry, peach, or pear planting stock by root dip.

**Note**—Use only on commercial plantings; do not use on home plantings. Some varieties of ornamentals are numerous, continually changing and may respond differently to "Ydate" L. Test "Ydate" L on a small scale before proceeding to large scale application. Varietal response may also vary if "Ydate" L is mixed with other products.

**NOTICE TO BUYER**—Purchase of this material does not confer any rights under patents in countries outside of the United States.

For more information  
 contact your local  
 distributor

**INSECT**  
**CONTAINS 2**  
**ACTIVE INGREDI-**  
**ENTS PER GALLON**  
**ACTIVE INGREDI-**  
**ENTS PER GALLON**  
**INERT INGREDIENTS**

If swallowed  
 Flush with water  
 Do not induce vomiting  
 If inhaled Rinse  
 with water  
 In case of contact  
 with eyes, flush  
 with water  
**ATROPINE IS**  
**WARNING SYM-**  
**PTOM**  
 4-7-73 (4)  
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DEC 22 1988

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

Dear Ms. Strong:

Subject: Label Revision Chemigation  
Sevin 4 Flowable  
EPA Registration No. 7001-105  
Your Application Dated August 8, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the following change in the revised labeling:

- Add a 28-day preharvest interval for use on almonds, or delete this site from the label.

Submit five (5) copies of revised labeling.

Sincerely yours,

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

52013:I:Kumar:E-03:KENCO:12/14/88:01/30/89:aw:VO:aw

# SEVIN 4\*

ACTIVE INGREDIENT: Carbaryl (1-Naphthyl Methylcarbamate) 42.80%  
 INERT INGREDIENTS 57.20%  
**TOTAL 100.00%**

U.S. Pat. No. 2,951,475 (U.S. Patent No. 2,951,475)  
 U.S. Pat. No. 2,951,475 (U.S. Patent No. 2,951,475)  
 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. Wash thoroughly after handling.

### STATEMENT OF PRACTICAL TREATMENT

SEVIN 4 is a systemic insecticide which is absorbed by the plant and acts on the insect when it feeds on the plant. It is effective against a wide range of insects including beet beetles, caterpillars, and fruit flies.

### ENVIRONMENTAL HAZARDS

SEVIN 4 is highly toxic to fish and aquatic invertebrates. It is also toxic to birds and mammals. It is not toxic to bees and other beneficial insects when used as directed.

### STORAGE AND DISPOSAL

**STORAGE:** Store in original container in a cool, dry place. Do not store near food, feed, or other products. Do not use for any purpose other than that intended.

**DISPOSAL:** Do not dump into water. Do not dump into soil. Do not dump into air. Do not dump into fire. Do not dump into land.

### DIRECTIONS FOR USE

SEVIN 4 is a systemic insecticide which is absorbed by the plant and acts on the insect when it feeds on the plant. It is effective against a wide range of insects including beet beetles, caterpillars, and fruit flies.

For Codling Moth, Apple Maggot, Oriental Fruit Moth, Plum Curculio, etc., apply SEVIN Flowable at rate of 1/2 lb per acre 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 indirectly expose workers or other persons. The area being treated must be vacated by both the worker and person. Do not enter treated area without proper clothing until the dust has settled. Certain states may require more restrictive re-entry intervals. For various states treated with this product, consult appropriate Department of Agriculture for further information.

Written or oral warnings must be given to workers who are exposed to the treated area. The area of which is treated with this product. When oral warnings are given, workers must be given a 15-minute warning period before re-entry. Written and oral warnings must be given to workers who are exposed to the treated area. The area of which is treated with this product. When oral warnings are given, workers must be given a 15-minute warning period before re-entry. Written and oral warnings must be given to workers who are exposed to the treated area. The area of which is treated with this product. When oral warnings are given, workers must be given a 15-minute warning period before re-entry.

### Directions for Dilution

**DILUTE APPLICATION:** Ground Application: Apply 1/2 lb per acre in 100 gallons of water per acre. Orchard Application: Apply 1/2 lb per acre in 100 gallons of water per acre.

**CONCENTRATE APPLICATION:** Ground Application: Apply 1/2 lb per acre in 100 gallons of water per acre. Orchard Application: Apply 1/2 lb per acre in 100 gallons of water per acre.

**AIR APPLICATION:** Apply 1/2 lb per acre in 100 gallons of water per acre in 100 gallons of water per acre.

**CHEMIGATION:** Apply 1/2 lb per acre in 100 gallons of water per acre in 100 gallons of water per acre.

### Fruit and Nut Crops

**Apples, Pears:** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Almonds:** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Apricots, Nectarines, Peaches:** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Bananas:** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Blueberries, Blackberries, Raspberries:** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Cane Berries (Blackberry, Boysenberry, Dewberry, Loganberry, Raspberry):** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Cherries, Plums, Prunes:** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

**Citrus (California Orange, Grapefruit, Lemon, Lime, Mandarin, Tangerine, Valencia):** Apply 1/2 lb per acre in 100 gallons of water per acre. Apply 1/2 lb per acre in 100 gallons of water per acre.

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

**Fibers:** *Fibbert Moth, Fibbert Aphid, Fibbert Leafminer.* 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-headed Leafroller.* Apply 2 to 3 qts. per acre. No time limitation.

**Oleas:** *Oleas 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, Scale, Frosted European Fruit Lecanium, Caricos, Fibbert Worm, Fruit Tree Leafroller.* Apply 5 qts. per acre. *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, Soybeans, Cowpeas, Bristle Beetle, Mexican Bean Beetle, Thrip, Leafhopper, Three-cornered Alfalfa Hopper, Cucumber Beetles, Bean Leaf Beetle, Japanese Beetle, Alfalfa Caterpillar, velvet Bean Caterpillar, Alfalfa Weevil, Larva, Armyworms, Webworms, Corn Earworm, Stink Bugs, Grasshoppers.* Apply 1/2 to 1 quart per acre. No time limitation for Clover, Peanuts and Soybeans. Do not apply within 14 days of harvest on Alfalfa and Cowpeas.

**Asparagus:** *Asparagus Beetle.* Apply 1 to 2 qts. per acre during cutting season. Do not repeat application within 3 days. Do not apply within one day of harvest. Post harvest applications to fern and brush growth for Asparagus Beetle and Apache Cicada. Apply 2 to 4 qts. per acre.

**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. *Full-time 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, Heliothis, Armyworm, Cutworm, Armyworm, Cabbage Looper.* Apply 1 to 2 qts. per acre. Do not apply within 14 days of harvest. Where the cabbage looper is the principal problem, use an alternative pest control spray recommended for it. For control of small cabbage cutworms, the parts start to form, use carbaryl at 5-7 day intervals.

**Carrots:** *Chinese Cabbage, Endive, Dandelion, Endive Garden Beet, Horseradish, Kale, Lettuce, Mustard Greens, Parsley, Parsnips, Radishes, Rutabagas, Salsify, Spinach, Swiss Chard, Turnips.* Apply 1 to 2 qts. per acre for Flea Beetle, Harlequin Bug, Leaf Hopper. Apply 1 to 2 qts. per acre for Spotted Leafhoppers in a 5-7 day schedule. *Armyworms, Corn Earworm, Tarnished Plant Bug, 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, when rain or excess humidity is expected during the next 2 days. Do not apply within 4 days of harvest on Chinese Cabbage, Collards, Dandelion, Endive, Garden Beets, Kale, Leaf Lettuce, Mustard Greens, Parsley, Salsify (top), Spinach, Swiss Chard, Turnip (top). Do not apply within 3 days of harvest on Head Lettuce, Garden Beets, Horseradish, Salsify, Parsnips, Rutabagas, Salsify roots, Turnips roots. No time limitation for carrots.

**Corn:** *Corn Earworm, Fall Armyworm, European Corn Borer, Fall Armyworm, Gyp Beetle, Japanese Beetle, Flea Beetle, Leafhoppers.* Apply 1 to 2 qts. per acre. No time limitation. *Fall Armyworms* apply to silks as soon as they appear. Make 3rd and 4th applications at 2 week intervals as insecticide warrants. Re apply immediately after rain. Applications to silks in the tassle region of sweet corn during the pollen stage are effective only with the application of the European Corn Borer. Consult your state Agricultural Experiment Station for proper timing of treatment.

**Cotton:** *Thrips, Flea Beetles, Leafhoppers, Cotton Leafworm, Striped Blister Beetle.* Apply 1 to 2 qts. per acre. *Western Fall Armyworm, Leafhopper, Flea Beetle, Lygus, Stink Bug, Japanese Beetle.* Apply 1 to 2 qts. per acre. Do not apply within 7 days of harvest.

**Cucumbers, Pumpkins, Squash, Melons:** *Frutworm, 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.

**Olives:** *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 Bug.* 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 preplant 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, and other natural 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 necessary, applications are necessary. Treat immediately after preplanting and before harvest.

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**DISCLAIMER OF WARRANTIES:** Seller warrants that the product is as described on the label and that the product conforms to the chemical description on the label and that the product is free from adulteration. **EXPLICITLY IMPLIED OR STATUTORY WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE,** are hereby disclaimed. The product is sold as is, with all its inherent risks and conditions, and the user assumes all risks of use, storage and handling. The user agrees to hold the Seller harmless from the use of this product to the extent of the product's label and any other directions given hereon. The Seller makes no representation or warranty as to the efficacy of the product to control any pest or disease. The Seller makes no representation or warranty as to the safety of the product to humans, animals, or the environment. The Seller makes no representation or warranty as to the safety of the product to crops, livestock, or other animals. The Seller makes no representation or warranty as to the safety of the product to the user or to the general public. The Seller makes no representation or warranty as to the safety of the product to the environment. The Seller makes no representation or warranty as to the safety of the product to the user or to the general public. The Seller makes no representation or warranty as to the safety of the product to the environment.

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