



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

Richard W. Fresh
Consep, Inc., A Subsidiary of Verdant Brands
213 S.W. Columbia St.
Bend, Oregon 97702-1013

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 18 2000

Subject: SUREGUARD BRAND SEVIN 80S
EPA Registration No. 769-574
Resubmission Amendment dated February 3, 2000 in Response
to Carbaryl GDE.

Dear Mr. Fresh:

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 labeling changes indicated below before you release the product for shipment bearing the amended labeling:

1. On page 3 in the last sentence of the first paragraph under the heading "INSECT CONTROL" change the first word of the sentence "Is" to "If" so that the sentence reads "If spider mites are a problem, use a registered miticide".
2. On page 9 correct the PHIs for sugar beets to be 28 days for both roots and forage.
3. On page 10 change the PHI for wheat forage to 7 days.
4. On page 11 correct the PHI for Almond to 14 days.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely,

George Tompkins
George Tompkins, Ph.D., Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

SUREGARD BRAND SEVIN® 80S CARBARYL INSECTICIDE

For Agricultural or Commercial Use Only
NOT FOR RESIDENTIAL USE

Active Ingredient:	
Carbaryl: (1-Naphthyl N-methylcarbamate).....	80.0%
Other Ingredients:.....	20.0%
Total:	100.0%

Sevin® is a registered trademark of Rhone Poulenc for carbaryl insecticide.

EPA Reg. No. 769-574

EPA Est. No.

Keep Out Of Reach Of Children WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

This product is an N-methyl carbamate and is a cholinesterase inhibitor

GENERAL: Contact a physician immediately in all cases of suspected poisoning. Transport to a physician or hospital immediately and **SHOW A COPY OF THIS LABEL TO THE PHYSICIAN.** **IF SWALLOWED:** Never give anything by mouth to an unconscious or convulsing person. If conscious and not convulsing, drink 1 to 2 glasses of water and induce vomiting by touching the back of the throat with finger. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists. **IF ON SKIN:** Wash thoroughly with soap and water. **IF INHALED:** Move from contaminated atmosphere and call a physician.

NOTE TO PHYSICIAN

Carbaryl is a carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent over atropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. See additional Precautionary Statements elsewhere on label.

For information on this product (including health concerns, medical emergencies or pesticide incidents) call the National Pesticide Tele-communications Network at 1-800/858-7378.

If you are not completely satisfied with this product, or for consumer information, call (612) 703-3300 weekdays 9-5 Central Time to arrange a refund for the purchase price or replacement of the product. Proof of purchase is required.

Manufactured by:
Verdant Brands, Inc.
9555 James Ave., South, Suite 200
Bloomington, MN 55431

ACCEPTED
with COMMENTS
In EPA Letter Dated:
APR 18 2000

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

769-574

PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals: **WARNING:** May be fatal if swallowed. Do not take internally. Avoid breathing dust or spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Keep out of reach of children and domestic animals. Atropine Sulfate is highly effective as an antidote. See NOTE TO PHYSICIAN under FIRST AID

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Wear long-sleeved shirt, long pants.
- Shoes plus socks.
- Water proof gloves.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and PPE separately from other laundry.

USER SAFETY REQUIRMENTS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic and estuarine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark, except under the forest canopy and use on rice. Discharge from rice fields may kill aquatic and estuarine invertebrates. Do not apply when weather conditions favor drift from treated area. Do not contaminate water by cleaning of equipment or disposal 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.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is: Coveralls, waterproof gloves and shoes plus socks.

GENERAL INFORMATION

Suregard brand Sevin 80S Carbaryl Insecticide is a dry powder for dispersion in water and application as an insecticidal spray in hydraulic sprayers, mist blowers, low gallonage ground equipment and aircraft. READ THIS LABEL BEFORE USE. STRICTLY OBSERVE LABEL DIRECTIONS AND PRECAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS.

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PREHARVEST AND GRAZING USE INFORMATION AND 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.

Do not plant rotational food and feed crops not listed on this or other carbaryl labels in carbaryl treated soil.

Do not use reclaimed irrigation water from crops treated with carbaryl on upland crops for which carbaryl tolerances are not established.

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. Do not use on Boston Ivy, Virginia Creeper, and Maidenhair fern as injury will result. During early season, it may also injure Virginia and Sand pines. Observe label instructions on apple thinning and on combinations with certain herbicides on rice and soybeans.

SPRAY PREPARATION

TO ASSURE A UNIFORM SUSPENSION, AGITATE, STIR OR RECIRCULATE ALL SUREGARD BRAND SEVIN 80S CARBARYL INSECTICIDE SPRAY MIXTURES PRIOR TO AND DURING USE. Remove oil, rust, scale, pesticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water. Fill spray or mix tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of Suregard Brand Sevin 80S Carbaryl Insecticide, and then the remaining volume of water. Prepare only as much spray mixture as can be applied on the day of mixing. MAINTAIN CONTINUOUS AGITATION DURING MIXING AND APPLICATION TO ASSURE A UNIFORM SUSPENSION. DO NOT STORE SPRAY MIXTURES FOR PROLONGED PERIODS.

COMPATABILITY

Suregard Brand Sevin 80S Carbaryl Insecticide has been used without plant injury with most common insecticides, miticides, fungicides, nutrients, adjuvants and petroleum oil as used on citrus. If compatibility with another product and the resulting crop response is unknown, it should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. Incompatibility will reduce insect control and may cause mechanical difficulties or plant injury. Observe all precautions and limitations on labeling of all products used in mixtures. When preparing combination sprays, first add Suregard Brand Sevin 80S Carbaryl Insecticide to at least 1/2 the desired amount of water, mix thoroughly, and then add combination products to the mixture, and then add the remaining volume of water. Do not apply tank mix 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 case-in-lime spreaders.

APPLICATION

On all crops, use sufficient gallonage to obtain thorough and uniform coverage. Calibrate spray equipment to deliver the required volume. Use 50 mesh slotted strainers in spray system and 25 mesh slotted strainers behind nozzles. Avoid applications just before rainfall as poor insect control may result. To clean spray system after use, drain and flush with water. Refer to the STORAGE AND DISPOSAL directions for proper disposal of rinse water. NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block, and wood. Spray deposits on painted or stained surfaces or finishes (i.e., cars, houses, trailers, boats, etc.) should be immediately removed by washing to prevent discoloration. Avoid applications to surfaces where visible spray residues are objectionable.

INSECT CONTROL

Apply when insects or their damage appear. To maintain control repeat at 7 to 14 day intervals. Where dosage range is indicated, use lower rate on young plants and early instars and higher rate on mature plants, advance instars and adults. Thorough and uniform spray coverage is essential for effective control. Suregard Brand Sevin 80S Carbaryl Insecticide does not control spider mites. If spider mites are a problem, use a registered miticide.

Regional differences have been noted in the susceptibility of certain strains of fall armyworms to Suregard Brand Sevin 80S Carbaryl Insecticide. If your experience indicates inadequate control, use an alternative pesticide.

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GRASSHOPPERS

CROP	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
All Forage, Field & Vegetable Crops	2/3 to 1 7/8 unless noted otherwise	See Specific Forage, Field or Vegetable Crop	Use the <u>lower rate</u> for nymphs on small plants or sparse vegetation. Use the <u>higher rate</u> for adults or applications to dense vegetation.

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.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Alfalfa, Clovers	Blister beetles Mexican bean beetle	2/3 to 1 1/4	7 days	Observe plant response precautions. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage. For alfalfa weevil larvae, if pretreatment damage is extensive cut alfalfa and treat the stubble. Apply only once per cutting.
	Alfalfa caterpillar, Bean leaf beetle, Cucumber beetle, Green Cloverworm, Japanese beetle, Leafhoppers, Three cornered alfalfa hopper, Thrips, Velvetbean caterpillar.	1 1/4		
	Armyworm, Cloverhead weevil, Corn earworm, Cutworm, Egyptian alfalfa weevil larvae, Essex skipper, European alfalfa beetle, Fall armyworm, Lygus bugs, Webworms, Yellowstriped armyworm.	1 1/4 to 1 7/8		
	Alfalfa weevil larvae West of the Rocky Mountains.	1/4 to 1 7/8		
	East of the Rocky Mountains.	1 7/8		
Asparagus	Asparagus beetle	1 1/4 to 2 1/2	1	
	Apache cicada Asparagus beetle	2 1/2 to 5	Post Harvest Only	Treat ferns or brush growth. Do not treat more than once every 3 days
Beans (including blackeyed peas, cowpeas, crowder or southern peas, dry beans, green beans, lima beans, navy beans and snap beans)	Blister beetles Mexican bean beetle	2/3 to 1 1/4	3 (succulent) 21 (dried) 21 (hay) 14 (forage)	Observe plant response precautions
	Alfalfa caterpillar, Bean leaf beetle, Cucumber beetles, Flea beetles, Green cloverworm, Japanese beetle, Leafhoppers Three cornered alfalfa hopper, Thrips, Velvetbean caterpillar Western bean cutworm	1 1/4		

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CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
	Armyworm, Corn earworm, Cutworms European corn borer, Fall armyworm, Stink Bugs, Tarnished plant bug, Webworms	1 1/4 to 1 7/8		
	Coupea curculio	2 1/2		
	Corn earworm, Limbean pod borer, Lygus bugs, Stink bugs	2 1/2		CALIFORNIA ONLY
Cabbage, Broccoli, Brussels Sprouts, Cauliflower, Kohlrabi	Flea beetles, Harlequin bug	2/3 to 1 1/4	3	
	Armyworm, Corn earworm, Fall armyworm, Imported cabbageworm	1 1/4 to 2 1/2		
Chinese cabbage, Collards, Manover salad, Horseradish, Kale, Mustard greens, Radishes, Rutabegas, Turnips	Flea beetles, Harlequin bug, Leafhoppers	2/3 to 1 1/4	7 (Horse-radish, radishes, rutabegas and turnip roots) 14 (Chinese cabbage, collards, Manover salad, kale, mustard greens and turnip tops)	
	Aster Leafhopper	1 1/4 to 1 7/8		
	Armyworm, Corn earworm, Fall armyworm, Imported cabbageworm, Stink bugs, Tarnished plant bug	1 1/4 to 2 1/2		
Carrots, Celery, Parsnips, Parsley	Flea beetles; Leafhoppers	2/3 to 1 1/4	7 (carrots) 7 (parsnips) 14 (celery) 14 (parsley)	DO NOT USE ON CELERY IN CALIFORNIA
	Aster leafhopper, Lygus bugs, Spittlebugs	1 1/4 to 1 7/8		
	Armyworm, Corn earworm, Fall armyworm, Stink bugs, Tarnished plant bug	1 1/4 to 2 1/2		
Corn (field, sweet, pop)	Armyworm, Chinch bugs, Corn earworm, Corn rootworm(adult) European corn borer, Fall armyworm, Flea beetles, Japanese beetle, Sap beetles, Southwestern corn borer, Leafhoppers	1 1/4 to 2 1/2	2 (sweet corn ears) 14 (all forage) 48 (all grain, fodder)	OBSERVE BEE CAUTION: For insects attacking silks and ears, apply at 1 to 6 day intervals starting when first silks appear and continuing until silks begin to dry. For larvae in whorl and foliage feeders, apply as necessary. For chinch bugs use high gallonage ground application directed at the base of plants. Optimum timing and good coverage are essential for effective control.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
	Western bean cutworm	2 1/2		Treat when infestation averages 15% and at 90% to 100% tassel emergence. Treatment after 100% silk emergence will reduce effectiveness.
	Cutworms	2 1/2 to 8		Apply in a 12 inch band, using 1/4 pound (4 oz) per 1000 linear feet of row, in at least 15 gallons of water per acre. For broadcast application use up to 8 pounds in at least 20 gallons (ground) or 5 gallons (air) of water per acre.
				Cucumber, Melons, Pumpkins, Squash
Dandelion, Endive (Escarole), Lettuce, Salsify	Cucumber beetles, Flea beetles, Leafhoppers, Squash bugs	1 1/4	14	Avoid excessive applications.
	Flea beetles, Harlequin bug, Leafhoppers	2/3 to 1 1/4		Observe plant response precautions. Treat on a 7 day schedule after heads begin to form.
	Aster Leafhoppers, Lygus bugs, Spittlebugs	1 1/4 to 1 7/8		
	Armyworm, Corn earworm, Fall Armyworm, Imported cabbage worm, Stink bugs, Tarnished plant bug.	1 1/4 to 2 1/2		

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 60S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Pasture	Armyworm, Black grass bugs, Chinch bugs, Essex skipper, Fall armyworm, Range caterpillars, Range crane fly, Striped grass looper, Thrips	1 1/4 to 1 7/8	14	<p>To control thrips in grasses grown for seed, use high spray pressure to improve penetration into boot.</p> <p>Apply a max. of 2 applications per year. Allow at least 14 days between applications.</p> <p>Do not allow foraging or cut for hay within 14 days of last application</p>
	Grasshoppers	2/3 To 1 7/8		Carefully mark swaths to avoid over-application. Refer to general GRASSHOPPER heading.
Rangeland	Black grass bug, Mormon cricket, Range caterpillars, Range crane fly	2/3 to 1 1/4	14	FOR AERIAL APPLICATION ONLY. Apply a max of 2 applications per year. Allow at least 14 days between applications. Carefully mark swaths to avoid over-application.
	Grasshoppers	2/3 to 1 7/8		Refer to general GRASSHOPPER heading.
Wasteland, Rights-of-Way, Hedgerows, Ditchbenks, Roadsides	Black grass bug, Mormon cricket, Range caterpillar, Range crane fly	2/3 to 1 1/4	14	<p>Apply a max of 2 applications per year. Allow at least 14 days between applications. Do not allow foraging or cut for hay within 14 days of last application</p> <p>Carefully mark swaths to avoid over-application.</p>
	Grasshoppers	2/3 to 1 7/8		Refer to general GRASSHOPPER heading.
Garden beet Spinach Swiss chard	Flea beetles, Harlequin bug, Leafhoppers	2/3 to 1 1/4	7 (garden beet roots)	
	Aster leafhopper	1 1/4 to 1 7/8	14 (garden beet tops, spinach, Swiss chard)	
	Armyworm, Corn earworm, Fall armyworm, Stink bugs, Tarnished plant bug	1 1/4 to 2 1/2		

CROP	INSECT	POUNDS OF SEVIN BRAND SEVIN 50S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Okra	Corn earworm, Stink bugs	1 1/4 to 2 1/2	3	Treat on a 7 day schedule.
Peanuts	Blister beetles Mexican bean beetle	2/3 to 1 1/4	14	Observe plant response precautions.
	Alfalfa caterpillar, Bean leaf beetle, Cucumber beetles, Green cloverworm, Japanese beetle, Leafhoppers, Red-necked peanut worm, Three cornered alfalfa hopper, Thrips, Velvetbean caterpillar	1 1/4		
	Armyworm, Corn earworm, Fall armyworm, Stink bugs, Webworms	1 1/4 to 1 7/8		
	Whitefringed beetle (adults) Cutworms	2 1/2		
Peas	Colorado potato beetle Leafhoppers	1 1/4	3 (succulent) 14 (forage) 21 (dried or hay)	
	Armyworm	1 1/4 to 1 7/8		
	Alfalfa caterpillar, Cutworms, Pea leaf weevil, Pea weevil, Yellowstriped armyworm.	1 7/8		
Potato, Tomato, Eggplant, Pepper	Colorado potato beetle, Flea beetles, Leafhoppers	2/3 to 1 1/4	3 (tomato, eggplant, pepper) 7 (potato)	
	European corn borer, fall armyworm, Lace bugs, Stink bugs, Tarnished plant bug, Tomato fruit worm, Tomato hornworm, Tomato pinworm	1 1/2 to 2 1/2		
	Cutworms	2 1/2		
Rice	Armyworm, Chinch bugs, Fall armyworm, Stink bugs	1 1/4 to 1 7/8	14	CAUTION! May kill shrimp and crabs. Do not use in areas where these are important resources. Do not use on rice fields in which crayfish and/or catfish farming are included in the cultural practice. DO NOT APPLY PROPANIL HERBICIDES WITHIN 15 DAYS BEFORE OR AFTER APPLICATION OF THIS PRODUCT OR PLANT INJURY WILL RESULT. MISSISSIPPI DELTA & TEXAS
	Armyworm, Leafhoppers, Tadpole shrimp	2 1/2		CALIFORNIA ONLY: For optimum tadpole shrimp control, apply to water when pest first appears.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN BBS/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Sorghums (milo, grain sorghum, sorghum)	Armyworm, Chinch bugs, Corn earworm, Fall armyworm, Stink bugs, Webworms	1 1/4 to 2 1/2	21 (dried) 14 (forage)	Direct spray into forming heads for optimum insect control. Treat for sorghum midge when 25 to 30% of heads have emerged from boot and are in bloom. Repeat application 3 to 5 days later if adults are still active. A third application may be necessary in late planted sorghum or if midge are abundant. For chinch bugs, use high gallonage ground application directed at base of plants.
	Sorghum midge Southwestern corn borer	1 7/8		
	Cutworms	2 1/2		
Soybeans	Bean leaf beetle, Cucumber beetles, Green cloverworm, Mexican bean beetle, Velvetbean caterpillar	2/3	21 (dried) 14 (forage)	DO NOT APPLY COMBINATION OF THIS PRODUCT AND 2,4 DB HERBICIDES TO SOYBEANS AS CROP INJURY MAY RESULT. Use lower rates for light to moderate populations and smaller instars. Use the higher rates for heavy populations and larger instars.
	Corn earworm	2/3 to 1 1 1/4 to 1 7/8		
	Blister beetles, Grape colaspis, Mexican bean beetle	2/3 to 1 1/4		
	Alfalfa caterpillar, Bean leaf beetle, Cucumber beetles, Green cloverworm, Japanese beetle, Leafhoppers, Three cornered alfalfa hopper, Thrips, Velvetbean caterpillar	1 1/4		
	Armyworm, Cutworms, Fall armyworm, Stink bugs, Webworms	1 1/4 to 1 7/8		
	Painted lady (Thistle caterpillar), Saltmarsh caterpillar, Yellowstriped armyworm	2 1/2 to 3		
Sugar beets	Armyworm, Beet leaf beetle, Fall armyworm, Flea beetles, Leafhoppers, Webworms	1 1/4 to 1 7/8	14 (tops) 7 (root)	
	Cutworms	1 7/8		
Sunflower	Cutworms	1 7/8	60	DO NOT USE IN CALIFORNIA Do not allow animals to graze on treated crops.
	Armyworm, Fall armyworm	1 7/8 to 2 1/2		
	Stem Weevil, Sunflower beetle	1 1/4 to 2 1/2		
Sweet Potatoes	Sweet potato weevil	9 tbs./gal.	7	DO NOT USE IN CALIFORNIA Preplant dip: Just prior to planting, dip sweet potato cuttings in a suspension of this product (9 tbs./gal. of water).

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
		1 1/4 to 2 1/2		Foliar Applications: Full coverage of plants is essential. Use lower rate on young plants and higher rate on mature plants.
	Corn earworm, Cucumber beetles, Flea beetles, Sweet potato hornworm, Tortoise beetles	1 1/4 to 2 1/2		Apply as a foliar spray as needed.
Tobacco (In plant beds)	Tobacco flea beetle	2 1/2 tbs/gal or 1 1/4 lbs/50 gals and apply 6 gal/100 sq.yds	0	To prevent plant injury, avoid excessive applications.
	Green June beetle grubs	2/3 lb/200 gal		Apply only to areas that larvae have uprooted by sprinkling as a drench with 50 to 100 gallons per 100 sq. yds.
(In fields)	Budworms, Fall armyworm, Flea beetles, Hornworms, Japanese beetle, June beetles, Suckfly	1 1/4 to 2 1/2		Use lower rate on young plants (up to knee height). Use at least 10 gallons of prepared spray per acre. Begin treatments when worms are small. If late season applications are necessary, allow three days before pruning or cutting.
Wheat	Cereal leaf beetle	1 1/4	14 (forage)	DO NOT USE IN CALIFORNIA Do not make more than two applications after grain heads emerge from boot. Application is effective against eggs larvae and adults.
	Armyworm, Fall armyworm	1 1/4 to 1 7/8	21 (grain)	

TREE FRUIT AND NUT CROPS

For dilute sprays, apply the specified dosage per 100 gallons of water. For concentrate and aerial sprays, increase the concentrate of Suregard Brand Sevin® 80S Carbaryl Insecticide in the spray mixture to apply an amount per acre equivalent to that in a dilute spray. The optimum spray gallonage will depend on tree size, density and stage of growth. Typical spray gallonages per acre range from 200-300 gallons for dilute sprays, 30-100 gallons for concentrate sprays and 10-25 gallons for aerial sprays. Do not exceed maximum label rate per acre per application.

APPLE THINNING

CROP	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
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Apples only	1/3 to 2/3	3	Apply 1 full coverage dilute spray between 10 and 25 days after full bloom. If factors such as tree age, variety, nutrition, previous crop, pruning, bloom and degree of set favor excessive fruit thinning with this product, exercise caution to avoid possible yield reduction. Consult with your County Extension Service or other experts for advice on the proper use of this product. For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton.
	2/3 to 1 1/4		For difficult to thin varieties including Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent and York Imperial.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Almond	Peach twig borer, San Jose scale, Fruittree, leafroller	1 1/4	28	OBSERVE BEE CAUTION: For peach twig borer, apply in "popcorn" or petal fall stages when the May brood begins to hatch or thereafter as needed. For dormant or delayed dormant timing, apply in combination with a recommended dormant oil. Refer to the dormant oil label for additional use, directions and restrictions.
	Navel orangeworm			For Navel orangeworm, time early and mid season applications to correspond to moth flight peaks. Make a late season application at initiation of hull split up to 10% hull split. Do not apply more than 6 1/2 pounds per acre.
Apples, Pears	Apple aphid, Apple rust mite, Apple sucker, Bagworms, California pearslug (pear sawfly), Codling moth, Eyespotted bud moth, Green fruitworm, Lecanium scales, Lesser appleworm, Lygus bugs, Orange tortrix, Oystershell scale, Pear leaf blister mite, Pear psylla, Pear rust mite, San Jose scale, Tentiform leafminers, Woolly apple aphid	1 to 1 1/4	3	WEST OF THE ROCKY MOUNTAINS. To avoid undesired apple thinning, delay use until at least 30 days after full bloom. For psylla control apply when eggs hatch or young nymphs are present.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN DOS/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
	Apple mealybug, Apple aphid, Codling moth, White apple, leafhopper	2/3		EAST OF THE ROCKY MOUNTAINS To avoid undesired apple thinning, delay use until at least 30 days after full bloom
	Apple maggot, Apple rust mite, Bagworms, Eastern tent, caterpillar, European apple, sawfly, Eyespotted bud moth, Forbes scale, Fruittree, leafroller, Green fruitworm, Japanese beetle, Lecanium scales, Lesser appleworm, Oystershell scale, Pear Psylla, Pear leaf blister mite, Pear rust mite, Periodical cicada, Plum curculio, Redbanded leafroller, Rosy apple aphid, San Jose scale, Tarnished plant bug, Tentiform leafminers, Woolly apple aphid, Yellowheaded fireworm	1 1/4		For optimum scale control apply when crawlers are present.
Chestnut	Chestnut weevil	2 1/2 to 3 3/4	14	DO NOT USE IN CALIFORNIA Make 4 applications at weekly intervals beginning in late July for adult chestnut weevil control. Last application should be made prior to shuck split.
Citrus Fruits (such as grapefruit, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats and hybrids.	Avocado leafroller, California orangedog, Citrus cutworm, Citrus root weevil, Fruittree leafroller, Orange tortrix, Western tussock moth, West Indian sugarcane borer(adults)	1 1/4	5	Do not apply more than 25 lbs. of this product per acre per application. May be mixed with petroleum oils commonly used on citrus.
	Black scale, Brown soft scale, California red scale, Citricola scale, Citrus snow scale, Yellow scale	1 to 1 1/4		
Filbert	Filbert aphid Filbert leafroller Filbertworm	1 1/4	14	Apply when leafroller eggs are hatching. Repeat on first appearance of adult filbert moths and again 3 to 4 weeks later.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN 80S/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Peaches Apricots Nectarines	Apple pandemis, Codling moth Cucumber beetles, European earwig, Fruittree leafroller, Japanese beetle, June beetles, Lecanium scales, Lesser peachtree borer, Olive scale, Orange tortrix, Oriental fruit moth, Peach twig borer, Periodical cicada, Plum curculio, Redbanded leafroller, San Jose scale, Tarnished plant bug, Tussock moths, Variegated leafroller	1 1/4	3	Do not apply more than 7 1/2 lbs. of this product per acre per application to apricots. For optimum scale control, apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly, weekly during moth flight.
Pecans	Black margined aphid, Fall webworm, Hickory shuckworm, Lesser webworm, Pecan leaf phylloxera, Pecan weevil, Twig girdler, Walnut caterpillar, Pecan nut casebearer, Pecan spittlebug, Pecan stem phylloxera	1 1/4 to 3	14	Do not apply more than 9 lbs. of this product per acre per application.
Pistachios	Havel orangeworm	2/3 to 2 1/2	14	Apply dilute volumes of 150 to 300 gallons of mixed spray per acre for full coverage.
Plums, Prunes, Cherries	Black cherry aphid, Brown soft scale, Cherry fruitworm, Cherry maggot, European earwig, Eyespotted bud moth, Forbes scale, Fruittree leafroller, Green fruitworm, Japanese beetle, Lecanium scales, Lesser peach tree borer, Mealy plum aphid, Oystershell scale, Peach twig borer, Plum curculio, Prune leafhopper, Redbanded leafroller, Rose chafer, San Jose scale, Variegated leafroller	1 1/4	3	Do not apply more than 7 1/2 lbs. of this product per acre per application. For optimum scale control, apply when crawlers are present. For lesser peachtree borer control, spray limbs and tree trunks thoroughly, weekly during moth flight.
	Codling moth, Eastern tent caterpillar, Orange tortrix, Tussock moth	1		
Walnut	Calico scale, European fruit lecanium, Filbertworm, Fruittree leafroller, Frosted scale, Codling moth	2/3	14	Apply 1000 gallons of dilute spray per acre for mature trees. For codling moth, apply first spray when average cross sectional diameters of developing nuts are 1/2 to 3/4 inch. Repeat during middle or late June as needed.
	European earwig	2 1/2		Spray tree trunks to point of run-off

SMALL FRUIT CROPS

Recommended dosages refer to pounds of Suregard Brand Sevin® 80S Carbaryl Insecticide per acre. The optimum spray gallonage will depend on plant size, density and stage of growth. Typical spray gallonages per acre range from 100-300 gallons for

dilute sprays, 30-100 gallons for concentrate sprays and 10-25 gallons for aerial sprays. Do not exceed maximum label rate per acre per application.

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CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN DOS/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Blackberries Raspberries Desberries (including boysenberries and loganberries)	European raspberry aphid, Japanese beetle, Leafhoppers, Leafrollers, Rose chafer, Snowy tree cricket	1 1/4 to 2 1/2	7	
	Omnivorous leafroller, Raspberry sawfly	2 1/2		CALIFORNIA ONLY
Blueberries	Blueberry maggot, Cherry fruitworm, Cranberry fruitworm, European fruit lecanium, Japanese beetle	1 7/8	7	Apply 3 weeks before harvest and repeat as necessary.
Cranberries	Cutworms, Cranberry fireworms, Cranberry fruitworms, Japanese beetle, Leafhoppers, Rose chafer	1 7/8 to 3 3/5	7	CAUTION! May kill shrimp and crabs. Do not use in areas where there are important resources. Apply in late bloom and as needed at 7 to 10 day intervals.
Grapes	European fruit lecanium, Grape leafroller, Grape leafhopper, Western grapeleaf skeletonizer, Western yellowstriped armyworm	1 1/4 to 2 1/2	7	Apply before first brood leafroller larvae emerge from rolls.
	Cutworms, Eight spotted forester, Grape berry moth, Japanese beetle, June beetles, Orange tortrix, Omnivorous leafroller, Redbanded leafroller, Saltmarsh caterpillar	2 1/2		
Strawberries	Flea beetles, Meadow spittlebug, Omnivorous leafhopper (strawberry fruitworm), Strawberry leafroller, Strawberry weevil	1 1/2 to 2 1/2	7	Carbaryl may injure Early Dawn and Sunrise varieties on the Delmarva Peninsula.

NONRESIDENTIAL TREES AND ORNAMENTALS

For dilute-spray ground applications to nonresidential trees (including shade trees, shelter belts, forests, plantations, parks, and recreational areas), nonresidential ornamentals, woody plants and shrubs, apply the specified dosage per 100 gallons of water. For concentrate-spray ground applications, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage.

For aerial applications to forest trees (including shade trees, shelter belts, plantations, parks, and recreational areas) and commercially grown ornamentals, woody plants and shrubs, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage. Avoid direct application to lakes, streams and ponds.

CROP	INSECT	POUNDS OF SUREGARD BRAND SEVIN GOS/ACRE	SPECIFIC DIRECTIONS
<p>GROUND APPLICATION: Trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas) Ornamentals (including roses, flowers and other herbaceous plants), Woody Plants and Shrubs.</p> <p>AERIAL APPLICATION: Forest Trees (including shade trees, shelter belts, forests, plantations parks and recreational areas) and Commercially Grown Ornamentals (including roses, flowers and other herbaceous plants). Woody Plants and Shrubs.</p>	<p>Ants, Apple aphid, Armyworm, Azalea leafminer, Bagworms, Birch leafminer, Blister beetle, Boxelder bug, Boxwood leafminer, Brown tail moth, Cankerworms, Catalpa sphinx, Chiggers, Cooley spruce gall aphid, Cutworms, Cypress tip moth, Hackberry nipplegall maker, Holly bud moth, Holly leafminer, Jackpine budworm, Japanese beetle, Jeffrey pine needleminer, June beetles, Lace bugs, Leafhoppers, Leafrollers, Locust borer, Maple leafcutter, Mealy bugs, Mimosa webworm, Psyllids, Puss caterpillar, Redhumped oakworm, Rose aphid, Rose chafer, Roseslug, Saddled prominent, Sawflies, Scale insects, Sowbugs, Spiny elm caterpillar, Springtails, Spruce budworm.</p> <p>Douglas-fir tussock moth, Eastern spruce gall aphid, Elm leaf aphid, Elm leaf beetle, Elm spanworm, Eriophyid mites, European pine shoot moth, Fall armyworm, Flea beetles, Fuller rose beetle, Gall midges, Gall wasps, Green striped mapleworm, Grasshoppers, Gypsy moth, Nantucket pine tip moth, Oak leafminers, Oak leaf skeletonizer, Oakworm complex, Oleander caterpillar, Olive ash borer, Orange-striped oakworm, Orange tortrix, Periodical cicada, Pine sawfly, Pine spittlebug, Pitch pine tip moth, Plant bugs, Poinsettia, Hornworm, Spruce needleminer, Subtropical pine tip moth, Tent caterpillars, Thorn bug, Walnut caterpillar, Webworms, Western hemlock looper, Western spruce budworm, Willow leaf beetles, Yellow poplar weevil.</p>	<p>1 1/4</p>	<p>Observe plant response precautions.</p> <p>Apply dilute sprays to obtain thorough coverage of upper and lower leaf surfaces. To control scale insects, treat trunks, stems and twigs in addition to plant foliage. For optimum worm control, treat when in early instars. Addition of a sticker may improve residual control.</p> <p>Applications for control of Maple leafcutter on sugar maple should be made when larvae are in 2nd instar, after mining and as cases are being formed.</p>
	<p>Ips engraver beetles Mountain pine beetle Roundheaded pine beetle Western pine beetle</p>	<p>25</p>	<p>Effective as a preventive treatment only. Repeat annually as required to prevent beetle attacks. Apply 1 gallon of spray per 50 sq. ft. of bark in late May to early July, or prior to beetle attack. Treat tree trunks from ground level up, until trunk diameter is less than 5 inches.</p>

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Elm bark beetle

Apply approximately 20 to 30 gallons of spray mixture for each 50 ft. of elm tree for thorough coverage of all bark surfaces on trunk, limbs and twigs.

IMPORTED FIRE ANT CONTROL

SITE	POUNDS OF SUREGARD BRAND SEVIN® 80S/100 GALLONS OF WATER	SPECIFIC DIRECTIONS
Cemeteries, and non-residential Recreational Areas (including turf, golf courses, and parks) Pastures, Rangeland, Forested Lands, Wastelands.	2	Apply a total of 2 gallons of the diluted solution over the surface of each mound or at least 1 qt. per 6 inches of mound diameter using a bucket, can or other appropriate equipment. Thoroughly wet mound and surrounding area to a 4 ft. diameter (12 sq.ft.). Do not disturb mounds prior to treatment. Pour solution from a height of about three feet to give sufficient force to break mound apex and flow into ant tunnels. For best results, apply in cool weather 65-80°F, or in early morning or late evening hours. Repeat application if mound activity resumes after 10 days. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reduction in product effectiveness.

PEST CONTROL IN AND AROUND NONRESIDENTIAL BUILDINGS LIMITED TO PEST CONTROL OPERATORS ONLY

PEST	POUNDS OF SUREGARD BRAND SEVIN® 80S/100 GAL	SPECIFIC DIRECTIONS
Ants, Cockroaches	25 (25 tablespoonful per gallon of water)	For use in and around nonresidential buildings such as warehouses and barns. Apply as a coarse wet spray or with a paint brush, and thoroughly treat cracks and crevices, baseboards, corners, walls, door sills, and window frames, ant trails, and other areas where insects tend to congregate. Do not use as a space spray. Repeat when necessary but not more often than twice per week. Do not use this product in commercial food areas of food handling establishments, restaurants, or other places where food is prepared or processed. Do not use in serving areas while food is exposed. Avoid application to surfaces where visible spray residues are objectionable.
Brown dog tick, Earwigs, Fleas, Millipedes, Silverfish, Spiders	12 1/2 (12 1/2 table spoonfuls per gallon of water)	
POULTRY INSECT CONTROL		
POULTRY	INSECT	SPECIFIC DIRECTIONS

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Chickens, Ducks, Geese, Game birds, Pigeons, and Turkeys	Chicken mites, Fleas, Lice, Northern fowl mite	<p>For use as a direct spray on birds by:</p> <p>1. Misting with Electric Fog Machine: Mix 3/8 lbs. (6 ozs.) of this product in 1 gallon of spray. Use 1 1/2 gallons per 1000 hens in cages, on litter or on slatted floors. Repeat in 4 weeks if necessary.</p> <p>-or-</p> <p>2. Spraying with knapsack or cylinder type compressed air sprayers: Mix 1/4 lb (4 ozs.) of this product in 5 gallons of spray. Use 1 gallon per 100 hens in cages, on litter or on slatted floors. Repeat in 4 weeks if necessary.</p> <p>Direct mist spraying for chicken mite and fleas in a supplement to spraying roosts and building for control of these pests.</p> <p>Do not apply to poultry and game birds within 7 days of slaughter.</p>
POULTRY QUARTER	INSECT	SPECIFIC DIRECTIONS
Roosts and Buildings	Bedbugs, Chicken mites, Fleas, Fowl tick, Darkling Beetle (Lesser mealworms), Lice Northern fowl mite	<p>Spray roosts and buildings with conventional power spray or knapsack equipment. For chicken mite, flea and bedbugs, use 5 lbs. of this product per 100 gallons of water. For fowl ticks, use 20 lbs. of this product per 100 gallons of water. For lesser mealworms, use 62 1/2 lbs. per 100 gallons. Spray 1 to 2 gallons per 1000 sq. ft. of wall, bedding, litter or roost surface. Force spray into cracks. Repeat as needed. Avoid spraying of nests, eggs and feeding and watering troughs. Ventilate while spraying. Do not treat premises within 7 days of slaughter.</p>

DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including center pivot and solid set. Do not apply this product through any other type of irrigation system. **SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS

First prepare a suspension of Suregard Brand Sevin® 80S Carbaryl Insecticide in a mix tank. Fill tank with 1/4 to 1/2 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of Suregard Brand Sevin® 80S, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of Suregard Brand Sevin® 80S per 1 to 4 gallons of water are recommended). Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of Suregard Brand Sevin® 80S into the irrigation water line so as to deliver the desired rate per acre. The suspension of Suregard Brand Sevin® 80S should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: When treatment with Suregard Brand Sevin® 80S has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS:

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration & distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional

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interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

STORAGE AND DISPOSAL

STORAGE: Store unused Suregard Brand Sevin® 80S Carbaryl Insecticide 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.

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

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If bag is burned, stay out of smoke.

SUREGARD BRAND SEVIN® 80S CARBARYL INSECTICIDE

**INSECTICIDA con base en CARBARYL
SOLAMENTE PARA USO AGRICOL O COMERCIAL.
NO ES PARA USO EN CASA DE HABITACION**

INGREDIENTE ACTIVO:		
(1-naftilo N-metilcarbamato)	80.00%	
INGREDIENTES INERTES:	<u>20.00%</u>	
	TOTAL	100.00%

PRECAUCIONES

CUIDADO

CUIDADONOCIVO PARA LOS HUMANOS Y PARA LOS ANIMALES DOMESTICOS

Este producto puede ser fatal si se ingiere. No respirar el insecticida pulverizado. No tragar. Evitar el contacto con los ojos, la piel y la ropa. Usar ropa de trabajo con mangas largas. Cambiarse la ropa diariamente. Lavarse las manos y la cara antes de comer. Lavarse a fondo despues de usar este producto.

ANTIDOTO

SULFATO DE ATROPINA ES MUY EFECTIVO. Ver NOTA AL MEDICO abajo.

**TRATAMIENTO PRACTICO
GENERAL**

Consultar un medico en todos los casos en que se sospecha envenenamiento. Llevar el paciente al medico o a un hospital y ENTREGAR UNA COPIA DE ESTA ETIQUETA AL MEDICO.

EN CASO DE INGESTION: No administrar nada por la boca a una persona que ha perdido el conocimiento o tiene convulsiones. Si el paciente esta consciente y sin convulsiones, dar a beber 1 a 2 vasos de agua y inducir el vomito introduciendo los dedos en la garganta.

EN CASO DE CONTACTO CON LOS OJOS: Lavarse los ojos con agua abundante. Llamar al medico si la irritacion persiste.

EN CASO DE CONTACTO CON LA PIEL: Lavarse cuidadosamente con agua y jabon.

EN CASE DE INHALACION: Retirarse de la mosfera contaminada y llamar al medico.

TE AL MEDICO: El carbaryl es un pesticida carbamico. Es un inhibidor de la colinesterasa. La sobreexposicion a esta sustancia puede provocar algunos signos y sintomas toxicos debido al estimulo del sistema nervioso parasimpatico. Estos efectos son espontaneos y rapidamente reversibles.

El tratamiento especifico consiste en la administracion parenteral del sulfato de atropina. Debe tomarse precauciones para evitar la administracion de excesiva de atropina (sobreatropinizacion). En casos menos severos se puede administrar 1 a 2 mg por via intramuscular cada 10 minutos hasta obtener la atropinizacion y repetir en caso de que reaparezcan los sintomas. Los casos mas serios deben ser tratados con 1 a 4 mg administrados por vio intravenosa cada 10 minutos para que el paciente se quede completamente atropinizado. Luego debe administrarse por via intramuscular cada 30 a 60 minutos, con objeto de mantener el efecto durante no menos de 12 horas. Las dosis deben reducirse proporcionalmente para los ninos. La recuperacion completa se estima en 24 horas.

Debe evitarse el uso de narcoticos o cualquier otro sedante. NO se recomienda el uso de medicamentos tales como 2-PAM (piridin-2-aladoxima metiodida) except en cases de intoxicacion con fosfatos organicos.