

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460

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Issuance:

769-574

OCT 2 8 2009

Date of

Terms of Issuance: Unconditional

Name of Pesticide Product: Sureguard brand Sevin 80S Carbaryl Insecticide

NOTICE OF PESTICIDE:

Registration XX Reregistration (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code): Value Garden Supply

P.O. Box 585

St. Joseph, MO 64502

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Documents, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product. Within 45 days from the date of this notice, two copies of a final printed label must be submitted wuith the following change:

Revise "Intended For Agricultural or Commercial Use Only" to read "Intended for Agricultural or Commercial Use"

Your Confidential Statement of Formula (CSF) dated November 2, 2005 is acceptable. This CSF supercedes all previous CSFs. You may distribute products bearing the old label for 12 months from receipt of this letter or your next printing of the label, whichever comes first.

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

Signature of Approving Official:

Date:

OCT 2 8 2009

Meredith Laws, Branch Chief

Registration Division, Insecticide-Rodenticide Branch

PA Form 8570-6

Sureguard Brand Sevin 80S Carbaryl Insecticide

Intended For Agricultural or Commercial Use Only

Other Ingredients: 20.0%

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

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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.)

Carbaryl is an N-Methyl Carbamate Insecticide.

IF SWALLOWED:	 Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
IF IN EYES:	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product (including health concerns, medical emergencies or pesticideincidents) call the National Pesticide Information Center at 1-800-858-7378.

EPA Reg. No. 769-574

Manufacturer By: ACCEPTED Value Garden Supply PO Box 585

With COMMENTS
In EPA Letter Dated: October 38, 2009 Net Contents: 1-1/4 pounds

St. Joseph, MO 64502

Under the Federal Insecticide, Fungicide and Rodenticide Act, As amended, for the pesticide Registered under EPA Reg. No.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

OVEREXPOSURE MAY CAUSE: Salivation, watery eyes, pinpoint eye pupils, blurred vision, muscle tremors, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea, weakness, headache. IN SEVERE CASES CONVULSION, UNCONSCIOUSNESS AND RESPIRATORY FAILURE MAY OCCUR. SIGNS AND SYMPTOMS OCCUR RAPIDLY FOLLOWING OVEREXPOSURE TO THIS PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Handlers applying with open cab airblast equipment at application rates equal to or greater than 6 ¼ pounds of product per acre must wear:

- Coveralls over long-sleeved shirt and long pants of the control of the control
- Chemical-resistant gloves and the Elicone et al. the problem and residual to the problem and the control of t
- · Chemical-resistant footwear plus socks
- · Chemical-resistant headgear, and
- A NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21C or NIOSH-approved respirator with any N, R, P or HE filter.

All other mixers, loaders, applicators, and handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves, and
- · Chemical-resistant apron, when mixing, loading, or cleaning up spills or equipment.

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Aerial and chemigation applications are prohibited.

See engineering controls for additional requirements and exceptions.

USER SAFETY REQUIREMENTS

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

ENGINEERING CONTROLS

Applicators using airblast equipment for application to citrus in California must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, such applicators must:

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- wear long-sleeve shirt, long pants, shoes, and socks;
- either wear a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter or use an enclosed cab that is declared in writing by the manufacturer or by a government agency to provide at least as much respiratory protection as this type of respirator;
- be provided, have immediately available for use, and wear in an emergency when they must exit the cab in the treated area coveralls, chemical-resistant gloves, chemical-resistant footwear, and chemical-resistant headgear (if overhead exposure) plus if not already using one the respirator specified above—take off any PPE that was worn in the treated area before reentering the cab, and

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Tigen (1997) (1997) (1997) (1998) (1997) (1997) National State (1997) (1997) (1997) (1997) * store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

Water-soluble packaging when used correctly qualifies as a closed mixing/loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Mixers and loaders using water soluble packets must:

- · wear the personal protective equipment on this labeling for mixers/loaders, and
- be provided, have immediately available, and use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant footwear and a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21C or a NIOSH-approved respirator with any N,R,P or HE filter.

When applicators use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(5), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should

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- Wash hands thoroughly with soap and water before eating drinking chewing gum, using tobacco or using the toilet.
- . Remove clothing/PPE 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

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This product is extremely toxic to aquatic 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. Discharge from rice fields may kill aquatic and estuarine invertebrates. Do not apply when weather conditions favor drift from area treated. Drift and runoff may kill aquatic invertebrates in water adjacent to treated areas. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

BEE CAUTION: MAY KILL HONEYBEES AND OTHER BEES IN SUBSTANTIAL NUMBERS. This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

Notifying beekeepers within 1 mile of treatment area at lest 48 hours before product is applied will allow them to take

Notifying beekeepers within 1 mile of treatment area at lest 48 hours before product is applied will allow them to take additional steps to protect their bees. Limiting application to times when bees are least active, e.g., within 2 hours of sunrise or sunset, will minimize risk to bees.

For crops in bloom (except soybean and com): Do not apply this product to target crops or weeds in bloom.

For soybean and com: If application cannot be avoided when target crop or weeds are in bloom, limiting applications to times when bees are least active, e.g. within 2 hours of sunrise or sunset, will minimize risk to bees.

DIRECTIONS FOR USE

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

Read the entire label before using this product.

Strictly observe label directions and cautions. 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). The REI for carbaryl is 12 hours unless otherwise specified in the directions for use associated with each crop.

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:

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Coveralls over short-sleeve shirt and short-pants.

Chemical –resistant footwear plus socks;

Chemical-resistant gloves made of any waterproof material, and

Chemical-resistant headgear if overhead exposure.

When the Restricted-Entry interval for a crop is 7 days or longer, you must notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried:

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Store unused product 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.

If container is damaged, before cleaning up, put on Personal Protective Equipment.

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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.

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CONTAINER DISPOSAL

Non-refillable container. Do not reuse or refill this container. Once outer bag of water soluble packets is empty, offer for recycling, if available, or dispose of in the trash as long as water soluble packets are unbroken, or 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.

INFORMATION AND RESTRICTIONS

Suregard Brand Seven 80\$ Carbaryl Insecticide is a dry powder formulation and is packaged in water soluble packets. Each packet contains 1.25 bs of formulated product. Do not sell individual water soluble packets. Do not handle packets with wet hands or gloves. Do not allow packets to become wet prior to adding to the spray tank. Handle outer container (over wrap bag) carefully to avoid breakage of inner soluble packets. Always reseal outer container (over wrap bag) in a manner that protects remaining packets from moisture. Do not remove the water soluble packets from the container except for immediate use. Use the entire contents of a water soluble packet. Do not break open to use partial contents of a water soluble packet, and the second packet and the

This product readily disperses in water to form a spray that may be applied by ground equipment.

Aerial and chemigation applications are prohibited.

PLANT RESPONSE PRECAUTIONS

Application to wet foliage or during periods of high humidity may cause injury to tender foliage.

Do not use on Boston Ivy, Virginia creeper and maidenhair fern as injury may result. Carbaryl may also injure Virginia and sand pines.

The use of adjuvants may increase the potential for crop injury to sensitive crops. The state of the first and the first term of the

PREHARVEST AND GRAZING RESTRICTIONS AND LIMITATIONS

For all listed crops and uses, do not apply at greater rates or at more frequent intervals than stated on the label. If forage is grazed or used as feed for dairy and meat animals, follow all use restrictions in order to avoid illegal residues in crops, meat or milk.

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

APPLICATION STATEMENTS

Calibrate and adjust application equipment to insure proper rate and accurate placement. To clean spray system after use, drain and flush with a water and detergent mixture. Rinse thoroughly with clean water. Refer to the Storage and Disposal section for disposal instructions.

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. For outdoor use only.

RESISTANT SPECIES NOTICE

All references to armyworm on the crops listed below refer to the species, Pseudaletia unipuncta, often called the "true armyworm". Except where indicated otherwise, this product is not registered for the protection against other armyworm species. Regional differences have been noted in the susceptibility of certain strains of fall armyworm, diamondback moth, Colorado potato beetle and Southern green stink bug to carbaryl. If local experience indicates inadequate product performance, use an alternative pesticide:

MIXING, LOADING AND HANDLING INSTRUCTIONS

Remove oil, rust, scale, pesticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water. Consult the Specific Use Directions section of this label to determine the number of packets and spray volume required. Fill the mixing tank partially (1/2 to 3/4) with water. With the agitator on, slowly add the required number of unopened packets of Suregard Brand Seven 80S Carbaryl Insecticide into the mixing tank. Allow all the water soluble packets to dissolve and completely disperse. Depending upon the water temperature and the degree of agitation, the water soluble packets should be completely dissolved within 3 - 5 minutes. Continue agitation while adding the remainder of the water. Do not put water soluble packets close to the recirculating inlet and outlet, as they may block the line before completely dissolved. Prepare only as much spray mixture as can be applied on the day of mixing. Do not use partial water soluble packets. MAINTAIN CONTINUOUS AGITATION DURING MIXING AND APPLICATION TO ASSURE A UNIFORM SUSPENSION. DO NOT STORE SPRAY MIXTURE FOR PROLONGED PERIODS OR DEGRADATION OF CARBARYL MAY OCCUR. Local water conditions may also accelerate the degradation of spray mixtures containing carbaryl. See COMPATIBILITY STATEMENT below.

TANK MIXING INSTRUCTIONS

Once the water soluble packets have completely dissolved, add other products in the following order: wettable powder, dry flowable (wettable granules), liquid flowable, liquids, and EC's. Always allow each tank mix partner to disperse fully before adding the next product.
COMPATIBILITY INFORMATION

COMPATIBILITY INFORMATION

Suregard Brand Seven 80S Carbaryl Insecticide when diluted with at least an equal volume of water, is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil or aromatic solvents. If compatibility with another product and the resulting crop response is unknown, the mixture should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. Incompatibility will reduce product performance and may cause application and handling difficulties or plant injury. Observe all cautions and limitations on labeling of all products used in mixtures. WHEN PREPARING COMBINATION SPRAYS, FIRST ADD SEVIN® 80 SOLUPACKET TO AT LEAST AN EQUAL VOLUME OF WATER, MIX THOROUGHLY, AND THEN ADD COMBINATION PRODUCTS TO THE MIXTURE. DO NOT APPLY TANK MIX COMBINATIONS UNLESS YOUR PREVIOUS EXPERIENCE INDICATES THE MIXTURE IS EFFECTIVE AND WILL NOT RESULT IN APPLICATION PROBLEMS OR PLANT INJURY.

Carbaryl is unstable under highly alkaline conditions and mixtures with strong bases; such as Bordeaux, lime-sulfur and casein-lime spreaders, will result in chemical degradation of the insecticide. Do not use this product in water with pH values above 8.0 unless a buffer is added. If necessary, water should be buffered to neutral (pH = 7.0) before adding this product to the spray tank. Overhead irrigation with alkaline or muddy water after application will also accelerate chemical degradation and may result in reduced product performance.

APPLICATION PROCEDURES

On all crops use sufficient gallonage to obtain thorough and uniform coverage. Observe crop label instructions for specific directions regarding spray volume where they occur. Calibrate spray equipment to deliver the required volume. Use of 50 mesh slotted strainers in spray system and 25 mesh slotted strainers behind nozzles is recommended.

GROUND APPLICATION

Apply in sufficient volume for adequate coverage on all crops and sites. Survival of the Control of the state of the

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SPECIFIC USE DIRECTIONS

USE SITES:

Asparagus

Rassica Leafy Vegetables

Cereal Grain Crops (Field and Pop Corn; Grain Sorghum; Rice; Sweet Corn) Cucurbit Vegetables 4.7% (1919 and 1949 com, Stain Gorginam, Rice, Sweet Gorn)

Forage Crops (Alfalfa, Clovers, Pasture and Grown for Hay and/or Seed; Rangeland)

Fruiting Vegetables
Leafy Vegetables (Dandelion, Endive, Lettuce, Parsley, Spinach; Leaf Petiole Subgroup 4B)

Legume Vegetables (Edible Podded Legume Vegetables; Dried Shelled Peas and Beans (except Soybean); Soybeans; Noncropland (Wasteland, Rights-of-Way, Hedgerows, Ditchbanks, Roadsides)

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Peanuts

Root and Tuber Crops (Root and Tuber Crops except Sugar Beets and Sweet Potatoes)

Small Fruits and Berries (Cranberries, Grapes, Strawberries)

Sugar Beets Sugar Decis Sunflower (1918) in the second of the month of the second of the second of the second of the second

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Sunflower
Sweet Potatoes
Tobacco
Tree Fruit Crops (Citrus Fruits; Olives; Pome Fruits; Stone Fruits)
Tree Nut Crops (Pistachios; Tree Nuts)
Forested Areas and Rangeland Trees
Ornamental Trees and Plants

Specific Pests Across Multiple Sites
Grasshoppers
Imported Fire Ants
Nuisance Pests

APPLICATION TIMING AND DIRECTIONS

Begin application when insect populations reach recognized economic threshold levels. Consult the Cooperative Extension Service, Consultants, or other qualified authorities to determine appropriate threshold levels and timing for treatment in your area. Where a dosage range is indicated, use the lower rate on light to moderate infestations, young plants and early instars and use the higher rate on heavy infestations, mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective product performance.

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EACH WATER SOLUBLE PACKET CONTAINS 1.25 POUNDS OF FORMULATED PRODUCT.

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	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Apache cicada Asparağus beetle	o men ersekt måre. De etter skile flynte	a new tree filting of	Repeat applications as necessary up to a total of 3 times prior to harvest or a total of 5 applications per year to spears and ferns combined. Do not apply more than once every 3 days.
	2 1/2	0.5	Application to ferns or brush growth following harvest of spears: Repeat applications as necessary but not more often than once every 7 days. Do not make more than a total of 5 applications per year to spears and ferns combined.

RESTRICTIONS: ASPARAGUS

- Do not apply within 1 day of harvest.
- Do not apply more than a total of 3 3/4 pounds (3 water soluble packets) per acre per year before harvest of spears.

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Do not apply more than a total of 6 1/4 pounds (5 water soluble packets) per acre per year.

BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

BRASSICA LEAFY VEGETABLES CROPS

All members of the Brassica Leafy Vegetable Group 5 including: Broccoli, Broccoli raab (rapini), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (gai lon), Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens

Standard S Standard Standard St Standard Standard St Standard Standard Stan	A STATE OF THE STA	POUNDS OF THIS PRODUCT PER ACRE	AOILLO	SPECIFIC DIRECTIONS
Flea beetles Harlequin bug Leafhoppers		5/8 to 1 1/4	2.0 to 1.0	Repeat applications as needed up to a total of 4 times per year but not more often than once every 7 days.
Armyworm Aster leafhopper Corn earworm	Stink bugs Tarnished plant bug	1 1/4 to 2 1/2	1.0 to 0.5	
Eall arminuarm	The second section of the section of the second section of the section of the second section of the sect	:		:

RESTRICTIONS: BRASSICA LEAFY VEGETABLES

- For Head and Stem Brassica subgroup 5A [including Broccoli, Chinese broccoli (*gai lon*), Brussels sprouts, Cabbage, Chinese cabbage (*napa*), Chinese mustard cabbage (*gai choy*), Cauliflower, Cavalo broccolo, and Kohlrabi], do not apply within 3 days of harvest.
- For Leafy Brassica Greens subgroup 5B [Broccoli raab (rapini), Chinese cabbage (bok choy), Collards, Kale,
 Mizuna, Mustard greens, Mustard spinach, Rape greens, and Turnip greens], do not apply within 14 days of harvest.

- Do not apply more than a total of 7 ½ pounds (6 water soluble packets) per acre per crop per year.
- · Application is permitted only within 30 days from the date of crop emergence or the date of transplanting
- Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

CEREAL GRAIN CROPS FIELD CORN AND POPCORN

Armýworm Japanese	POUNDS OF THIS PRODUCT PER ACRE 1 1/4 to 2 1/2	ACRES TREATED per Water Soluble Packet 1.0 to 0.5	SPECIFIC DIRECTIONS OBSERVE BEE CAUTION.
Chinch bugs beetle Corn earworm Sap beetles Corn rootworm Southwestern adults corn borer			Repeat applications as needed up to a total of 4 times per year but not more often than once every 14 days.
Fall armyworm Leafhoppers	New Astron		Good timing and good coverage are essential for effective product performance.
European corne		15, .	For best results on chinch bug, use ground equipment to apply at least 20
Western bean Cutworms cutworm	2 1/2	0.5	gallons of water per acre and direct spray toward stalk to provide thorough coverage.
			For best results on European corn borer, do not apply in less than 15 gallons of water per acre.
	<u></u>		For western bean cutworm, treat when infestation averages 15% and at 90 to
	Spring Congress	•	100% tassel emergence. Treatment after 100% silk emergence will reduce
the second of the second	Albert Section (1997) Segundo (1997) America (1997)	2000 2 100 100 100 100 100 100 100 100 1	For best results on cutworm, apply in a 12-inch band, over the row, using
ndit i grand de la participa de la compressión. Para ser un participa de la capacita	New Attribution of	Marie Committee Committee and the committee of the commit	sufficient volume of water to obtain thorough coverage. For broadcast
स्थान । जनसङ्ख्या । १८५० - स्वयं देवर सुन्द्रात । जनसङ्ख्या । १८५० - सात्रन देवर		•	application, use at least 20 gallons of water per acre. For cutworm, this product is most effective against
		T. C. Bright	species which feed on the upper portions of the plant.

RESTRICTIONS: FIELD AND POP CORN

- Do not apply within 48 days of harvest of grain and fodder or within 14 days of harvest or grazing of forage or silage.
- Do not apply more than a total of 10 pounds (8 water soluble packets) per acre per crop per year.
- · Hand harvesting is prohibited.
- Restricted-entry interval (REI) = 24 hours

EXCEPTION: the REI is 21 days for workers detasseling corn.

BEE CAUTION

For corn: If application cannot be avoided when target crop or weeds are in bloom, limiting applications to times when bees are least active, e.g. within 2 hours of sunrise or sunset, will minimize risk to bees. Notifying beekeepers within 1 mile of treatment area at least 48 hours before product is applied will allow them to take additional steps to protect their bees. Do not apply to target crop 4 days prior to bloom.

GRAIN SORGHUM

PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Armyworm Fall armyworm Chinch bugs Stink bugs Corn earworm Webworms	1 1/4 to 2 1/2	1.0 to 0.5	Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.
Southwestern corn borer	17/8	0,67	Direct spray into forming heads for best results on insects attacking heads.
Cutworms	2 1/2	0.5	For best results on chinch bug, use high gallonage ground application at the base of plants.
grand to the second of the sec			For cutworm, this product is most effective against species which feed on the upper portions of the plant.

RESTRICTIONS: GRAIN SORGHUM

- Do not apply within 21 days of harvest for grain or fodder or within 14 days of harvest or grazing of forage or silage.
- Do not apply more than a total of 7 ½ pounds (6 water soluble packets) per acre per year.
- . BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

RICE

PÉS	$oldsymbol{J}_{\mathcal{A}_{A}}}}}}}}}}$	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Armyworm Chinch bugs Fall armyworm	Leafhoppers Stink bugs	1 1/4 to 1 7/8	1.0 to 0.67	Up to 2 applications per crop per year may be made but not more often than once every 7 days.
Tadpole shrimp		1 7/8	0.67	California only Up to 2 applications per crop per year may be made but not more often than once every 7 days. For best results on tadpole shrimp, apply to water when pest first appears.

RESTRICTIONS: RICE

- Do not apply within 14 days of harvest for grain or straw.
- Do not apply more than a total of 3 3/4 pounds (3 water soluble packets) per acre per crop per year.
- Discharge from treated rice fields may kill shrimp, crabs, and crayfish.
- · Do not apply propanil herbicides within 15 days before or after application of this product or plant injury will result.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

SWEET CORN

	and the second		<u> </u>
PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Armyworm Japanese beetle	1 1/4 to 2 1/2	1.0 to 0.5	OBSERVE BEE CAUTION
Chinch bugs Sap beetles	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Repeat applications as necessary
Corn earworm Southwestern			up to a total of 8 times per year but
		in the second second	not more often than once every 3
Common addition	:	1	days.
Fall armyworm Leafhoppers			Good timing and good coverage
Flea beetles			are essential for effective product
European corn borer	1 7/8 to 2 1/2	0.67 to 0.5	performance.
Western bean Cutworms	2 1/2	0.5	For insects attacking silks and
cutworm and the state of the st	Annual Control of the	À	ears, insecticide sprays should be
			applied starting when first silks
· 一点写真,文本"种对		ı	appear and continuing until silks
			begin to dry. During silking, the
the state of the s		;	minimum retreatment interval (3
Davis of as the congress of the West	·		days) may not provide adequate levels of protection under
e grant and the	l		levels of protection under conditions of rapid growth or
Jan 1997 Car Car			severe pest pressure. The use of
The state of the s			an alternative product should be
			considered in conjunction with this
Programme and the second of th			product.
		e grant pro-	For best results on chinch bug, use
			ground equipment to apply at least
The state of the s	er alle i villa	to a contract the	20 gallons of water per acre and
			direct spray toward stalk to provide
	ļ		thorough coverage.
	<u>, </u>		For best results on European corn
			borer, do not apply in less than 15
and the second of the second o		,	gallons of water per acre.
3. 1			For western bean cutworm, treat
in the second of	i v	i	when infestation average 15% and
	, · · · · · · · · · · · · · · · · · · ·		at 90 to 100% tassel emergence.
and the second s			Treatment after 100% silk
			emergence will reduce effectiveness.
The Brown of the Control of the Cont		··	I
The second of th	e es production of the		For best results on cutworm, apply in a 12-inch band, over the row,
			using sufficient volume of water to
		,	obtain thorough coverage. For
			broadcast application, use at least
	İ		20 gallons of water per acre.
		,	For cutworm, this product is most
	,	,	effective against species which
The second of th			feed on the upper portions of the
		İ	plant.
L			

RESTRICTIONS: SWEET CORN

- Do not apply within 2 days of harvest of ears, within 14 days of harvest or grazing of forage, or within 48 days of harvest of fodder.
- Do not apply more than a total of 20 pounds (16 water soluble packets) per acre per crop per year.
- Hand harvesting is prohibited.
- Restricted-entry interval (REI) = 24 hours
- EXCEPTION: the REI is 21 days for workers detasseling corn.

BEE CAUTION

For corn: If application cannot be avoided when target crop or weeds are in bloom, limiting applications to times when bees are least active, e.g. within 2 hours of sunrise or sunset, will minimize risk to bees. Notifying beekeepers within 1 mile of treatment area at least 48 hours before product is applied will allow them to take additional steps to protect their bees. Do not apply to target crop 4 days prior to bloom.

CUCURBIT VEGETABLES

All members of the Cucurbit Vegetable Group 9 including: Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd (edible, includes hyotan, cucuzza, hechima, Chinese okra), Momordica spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of Cucumis melo including true cantalo6+upe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango-melon, Persian melon, pineapple melon, Santa Claus melon, snake melon), Pumpkin, Squash (includes summer squash types such as: crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini, and winter squash types such as acorn squash, butternut squash; calabaza, cushaw, Hubbard squash, spaghetti squash), Watermelon (includes hybrids and/or varieties of Citrullus lanatus).

The second secon	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Pickleworm Melonworm	5/8 to 1 1/4	2.0 to 1.0	Repeat applications as necessary up to a total of 6 times per year but not more often than once every 7 days.
Cucumber beetles Flea beetles Leafhoppers Squash bugs	1 1/4	1.0	For best results on squash bugs, apply sufficient spray volume for thorough coverage and time sprays for early morning or late afternoon.

RESTRICTIONS: CUCURBIT VEGETABLES

- · Do not apply within 3 days of harvest.
- Do not apply more than a total of 7 1/2 pounds (6 water soluble packets) per acre per crop per year.
- Observe plant response precautions.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

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Land St. Total New York Control of the St. And The St. For AGE CROPS (Section 1) the Control of

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* • • • • •			the state of the s
PESŤ	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Blister beetles Mexican bean beetle	5/8 to 1 1/4	2.0 to 1.0	OBSERVE BEE CAUTION. Observe plant response precautions.
Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1.4/4 (15) (1.4/4 (15) (1.4/4 (15) (1.4/4 (15) (1.4/4 (15) (1.4/4 (15) (15) (15) (15) (15) (15) (15) (15)	41.0 41.0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	On dense growth, use 25 to 40 gallons of water per acre with ground equipment to ensure adequate coverage.
Leafhoppers Armyworm Cloverhead weevil Essex skipper European alfalfa	1 1/4 to 1 5/8	1.0 to 0.77	For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the
Cutworms Egyptian alfalfa weevil Lygus bugs larvae Webworms		. , .	stubble. This product is not effective against adult alfalfa weevils.
Yellow striped armyworm			For cutworm, this product is most effective against species which feed on the upper portions of the plant.
Alfalfa weevil larvae (west of the Rocky Mountains)	1 1/4 to 1 7/8	1.0 to 0.67	Service Servic
Alfalfa weevil larvae (east of the Rocky Mountains)	1 7/8	0.67	

RESTRICTIONS: FORAGE CROPS

- Do not apply more than once per cutting.
- Do not apply within 7 days of harvest or grazing.
- Do not exceed 1 7/8 pounds (1 ½ water soluble packets) per acre per cutting per year.
- Carbaryl may cause a temporary bleaching of tender alfalfa foliage.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

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PASTURE AND GRASSES GROWN FOR HAY AND/OR SEED

PEST TO THE PEST T	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Armyworm Thrips Chinch bugs Range caterpillar Essex skipper Range crane fly Fall armyworm Striped grass looper	1.1/4 to 1.7/8	1.0 to 0.67	Up to 2 applications per year may be made but not more often than once every 14 days. Accurately mark swaths to avoid over-application. To kill thrips in grasses, use high spray pressure to improve penetration into boot.
Ticks*	1 1/4	1.0	*Will kill only ticks present at the time of application and directly contacted by product

RESTRICTIONS: PASTURE AND GRASSES GROWN FOR HAY AND/OR SEED

- Do not apply within 14 days of harvest or grazing.
 - Do not exceed a total of 3 3/4 pounds (3 water soluble packets) per acre per year.
 - BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

RANGELAND

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AND BURNEY BURNEY

Marine State of the 22 8 3 8 4 W

19 a 2.27 a 2.37 <u>2</u> 2.38 608		POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Black grass bug	Range caterpillar Range crane fly	5/8 to 1 1/4	2.0 to 1.0	Do not make more than 1 application per year.
Grasshoppers Mormon cricket	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5/8	2.0	Accurately mark swaths to avoid over-application.

RESTRICTIONS: RANGELAND

- May be harvested or grazed the same day as treatment.
 - Do not apply more than 1 1/4 pounds (1 water soluble packet) per acre per year.
 - BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

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FRUITING VEGETABLES

Eggplant, Pepper (includes: bell pepper, chili pepper, cooking pepper, pimento, sweet pepper) and Tomato only

PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Colorado potato Tomato hornworm beetle Tomato pinworm European com borer	1 1/4 to 2 1/2	1.0 to 0.5	Repeat applications as necessary up to a total of 7 times per year but not more often than once every 7 days.
Fall armyworm Lace bugs Stink bugs			Thorough coverage is essential to effectively suppress stink bugs.
(suppression) Tarnished plant bug Thrips (suppression) Tomato fruitworm			When disease transmission is suspected, monitor fields following application and retreat if reinfestation occurs but not more often than once
Flea beetles Leafhoppers	1	2.0 to 1.0	every 7 days. For cutworm, this product is most
Cutworms 1998 1998 1998	2 1/2	0.5	effective against species which feed on the upper portions of the plant.

RESTRICTIONS: FRUITING VEGETABLES

- Do not apply within 3 days of harvest.
- Do not apply more than a total of 10 pounds (8 water soluble packets) per crop per year.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

LEAFY VEGETABLES

Dandelion; Endive (escarole); Lettuce (head and leaf); Parsley; Spinach; Celery, Chinese celery, and Swiss chard only

	PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Flea beetles Harlequin bug Leafhoppers	portugation of the control of the co		2:0 to:1:0*	up to a total of 5 times per year but not more often than once every 7 days.
Armyworm Aster leafhopper Corn earworm Fall armyworm Imported cabbageworm	Lygus bugs Spittlebugs Stink bugs Tarnished plant bug	1 1/4 to 2 1/2	1.0 to 0.5	an in the second of the second

RESTRICTIONS: LEAFY VEGETABLES

- Do not apply within 14 days of harvest.
- Do not apply more than a total of 7 1/2 pounds (6 water soluble packets) per acre per crop per year.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

LEGUME VEGETABLES

All members of the Edible Podded Legume Vegetable Subgroup 6A including: Phaseolus sp. including runner bean, snap bean, and wax bean; Vigna sp. including asparagus bean, Chinese longbean, moth bean, and yardlong bean; Pisum sp. including dwarf pea, edible-pod pea, snow pea, sugar snap pea; Jackbean; Pigeon pea; Soybean (immature seed); Sword bean:

All members of the Dried Shelled Legume Vegetable (except soybean) Subgroup 6C including: Lupinus sp. including grain lupin, sweet lupin, white lupin, and white sweet lupin; Phaseolus sp. including field bean, kidney bean, dry lima bean, navy bean, pinto bean, tepary bean; Vigna sp. including adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, Urd bean; Pisum sp. including dwarf pea, edible-podded pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea; Broad bean (dry); Chickpea (dry); Guar (dry); Lablab bean (dry); Lentil (dry); Pigeon pea (dry);

All members of the Foliage of Legume Vegetable Group 7: Plant parts of any legume vegetables included in the legume vegetable (Crop Group 6) that will be used as animal feed;

Soybeans

PEST PEST POUNDS OF THIS PRODUCT PER ACRE PER ACRE PER ACRE TREATED per Water Soluble Packet SPECIFIC DIRECTIONS Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days. For cutworm, this product is most effective against species which feed on the upper portions of the plant. Com earworm Alfalfa caterpillar Colorado potato	South 21	s		
Bean leaf beetle Blister beetle Cucumber beetles Mexican bean beetle Velyetbean caterpillar Com earworm Alfalfa caterpillar Colorado potato beetle Thrips Flea beetles Armyworm Cutworms European com borer Fall armyworm Alfalfa looper Fall armyworm Cowpea curculio (suppression) Come arworm Alfalfa fooner Come arworm Legis beetle Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Colorado potato Dear weevil Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Cutworms Compean com borer Fall armyworm Compean com borer Fall armyworm Cowpea curculio (suppression) Compean comborer Comborer Combore	PEST	THIS PRODUCT PER ACRE	TREATED per Water Soluble	SPECIFIC DIRECTIONS
Cucumber beetles Mexican bean beetle Velvetbean caterpillar Corn earworm Alfalfa caterpillar Three cornered beetle Thrips Flea beetles Leafhoppers Cutworm Stink bugs European corn borer Fall armyworm Alfalfa looper Alfalfa looper Cowpea curculio (suppression) Pea leaf weevil California only: Cutworm Stink bugs Tarmished plant bug (suppression) Pea leaf weevil California only: Cutworm Stink bugs Tarmished plant bug Stink bugs Tarmyworm Cusuppression) Corn earworm (suppression) Stink bugs Corn earworm (suppression) Stink bugs Corn earworm (suppression) Corn earworm (suppression) Corn earworm (suppression) Stink bugs (suppression) Stink bugs (suppression) Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Corn earworm Cor			2.0 to 1.0	
Cucumber beetles Velvetbean caterpillar Com earworm S/8 to 1 7/8 2.0 to 0.67 Alfalfa caterpillar Colorado potato beetle Thrips Flea beetles Leafhoppers Cutworm Armyworm Cutworms Fall armyworm Alfalfa looper Fall armyworm Csuppression) Cowpea curculio (suppression) California only: Com earworm Cutworms Caterpillar S/8 to 1 7/8 2.0 to 0.67 1 1/4 1.0 S/8 to 1 7/8 1 1/4 1.0 Lygus bugs 1 1 1/4 to 1 7/8 1.0 to 0.67 Alfalfa looper Pea weevil California only: Cumplession) Com earworm (suppression) Com earworm Com earworm (suppression) Com earworm Com earworm Com earworm Com earworm Com earworm Com earworm Com earworm Com earworm Com earworm Com earworm Com earworm Com earw	Blister beetle Japanese beetle	·		
Corn earworm Corn earworm Alfalfa caterpillar Colorado potato beetle Thrips Flea beetles Leafnoppers Cutworm Armyworm Cutworms Fall armyworm Alfalfa looper Fall armyworm Cowpea curculio (suppression) Pea leaf weevil California only: Corn earworm Corn earworm Corn earworm 5/8 to 1 7/8 2.0 to 0.67 1 1/4 1.0 1 1/4 1.0 1 1/4 1.0 1 1/4 1.0 1 1/4 1 1.0 I 1/4 1 1.0 I 1/4 I 1.0 I 1/4 I 1.0 I 1/4 I 1.0 I 1/4 to 1 7/8 I 1	Cucumber beetles Mexican bean beetle		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	days.
Alfalfa caterpillar Colorado potato beetle Flea beetles Leafhoppers Cutworm Armyworm Clutworms European com borer Fall armyworm Alfalfa looper Feal weevil Cowpea curculio (suppression) Pea leaf weevil California only: Corn earworm (suppression) Come arworm Come curworm Come curworm Stink bugs 1 1 1/4 to 1 7/8 1 .0 to 0.67 1 1/8 1 1/4 1 1.0 Use lower rates for light to moderate populations and smaller instars. Use the higher rates for heavy populations and larger instars. 1 1/4 to 1 7/8 1 .0 to 0.67 1 1/8 0 .67 1 1/8 0 .67	Velyetbean caterpillar		an past temper	effective against species which
Alfalfa caterpillar Colorado potato beetle Thrips Flea beetles Leafhoppers Cutworm Armyworm Cutworms European corn borer Fall armyworm Alfalfa looper Feal weevil Cowpea curculio (suppression) Pea leaf weevil California only: Corn earworm (suppression) Corn earworm (suppression) Corn earworm Calimornia onlogical contents of a light to moderate populations and smaller instars. Use the higher rates for heavy populations and larger instars. I 1/4 to 1 7/8	Corn earworm	5/8 to 1 7/8	2.0 to 0.67	
beetle Thrips Flea beetles Western bean Leafhoppers Cutworm Armyworm Stink bugs European corn borer Fall armyworm Alfalfa looper Pea weevil 17/8 0.67 Cowpea curculio (suppression) Pea leaf weevil California only: Corn earworm (suppression) Compession) Corn earworm (suppression)	Alfalfa caterpillar Three cornered	1 1/4	1.0	
Flea beetles Leafhoppers Cutworm Armyworm Cutworms European com borer Fall armyworm Alfalfa looper Pea weevil Cowpea curculio (suppression) Pea leaf weevil California only: Corn earworm (suppression) Compession) Corn earworm (suppression) Corn earworm (suppression) Corn earworm (suppression) Stink bugs Limabean podborer Western bean Larger Ineavy populations and larger 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67 1.0 to 0.67				
Leafhoppers cutworm Armyworm Stink bugs Cutworms Tarnished plant bug European corn borer Fall armyworm Alfalfa looper Pea weevil 17/8 0.67 *(suppression) Yellowstriped Cowpea curculio armyworm (suppression) Pea leaf weevil California only: Lygus bugs Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)	1	,,	}	
Armyworm Stink bugs Cutworms Tarnished plant bug European corn borer Webworms Fall armyworm Alfalfa looper Pea weevil 17/8 0.67 (suppression) Yellowstriped Cowpea curculio armyworm (suppression) Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) Stink bugs Limabean podborer (suppression)	1			, , ,
Cutworms l'arnisned plant bug European corn borer Webworms Fall armyworm Alfalfa looper Pea weevil 1 7/8 0.67 (suppression) Cowpea curculio armyworm (suppression) Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)	Armyworm Stink bugs	1 1/4 to 1 7/8	1.0 to 0.67	
Fall armyworm Alfalfa looper Pea weevil 1 7/8 0.67 (suppression) Yellowstriped Cowpea curculio armyworm (suppression) Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)				
Alfalfa looper Pea weevil 1 7/8 0.67 (suppression) Yellowstriped Cowpea curculio armyworm (suppression) Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)				
(suppression) Cowpea curculio armyworm (suppression) Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)	Alfalfa looper Pea weevil	1 7/8	0.67	
(suppression) Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)				10, 14 PM
Pea leaf weevil California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)				-
California only: Lygus bugs 1 7/8 0.67 Corn earworm (suppression) (suppression) Stink bugs Limabean podborer (suppression)] .	
Corn earworm (suppression) (suppression) Limabean podborer (suppression)	California only: Lygus bugs	1 7/8	0.67	
Limabean podborer (suppression)	Corn earworm (suppression)	1:		•
Limabean podborer (suppression)				A STATE OF THE STATE OF
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RESTRICTIONS: LEGUME VEGETABLES: Waster and the second of

- Do not apply within 14 days of grazing or harvest for forage or within 3 days of harvest of fresh edible-podded beans
 or peas or within 21 days of harvest of dried beans or peas, seed, or hay.
- Do not apply more than a total of 7 1/2 pounds (6 water soluble packets) per acre per crop per year.
- Do not apply a combination of this product and 2,4-DB herbicides to soybeans as crop injury may result.
- Use on succulent, shelled peas and beans (Crop Subgroup 6B) is prohibited.
- · Observe plant response precautions.
- DO NOT USE ON LENTILS IN CALIFORNIA

BEE CAUTION

For crops in bloom (except soybeans): Do not apply this product to target crops or weeds in bloom. For soybeans: If application cannot be avoided when target crop or weeds are in bloom, limiting applications to times when bees are least active, e.g. within 2 hours of sunrise or sunset, will minimize risk to bees. Notifying beekeepers within 1 mile of treatment area at least 48 hours before product is applied will allow them to take additional steps to protect their bees. Do not apply to target crop 4 days prior to bloom.

NONCROPLAND

Wasteland, Rights-of-Way, Hedgerows, Ditchbanks, Roadsides

PEST	THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Black grass bug	1/3 to 5/8	3.7 to 2.0	Up to 2 applications per year may be made but not more often than once every 14 days.

Mormon cricket	5/8	2.0	Accurately mark swaths to avoid over-application.
Range caterpillar Range crane fly	5/8 to 1 1/4	2.0 to 1:0	######################################

RESTRICTIONS: NONCROPLAND

· Do not apply within 14 days of grazing or harvest for forage or hay.

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- Do not apply more than a total of 3 3/4 pounds (3 water soluble packets) per acre per year.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

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	PEST		POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Corn earworm Stink bugs		\$2	1 1/4 to 1 7/8	1.0 to 0.67/2	Apply using ground equipment in sufficient volume to insure good coverage.
			,		Apply as needed on 6 to 8 day intervals.
				yest Cartheste	For grasshopper, refer to the general Grasshopper Section.

RESTRICTIONS: OKRA

- Do not apply within 3 days of harvest.
- Do not apply more than a total of 7 1/2 pounds (6 water soluble packets) per acre per year.
- DO NOT USE IN CALIFORNIA.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

PEANUTS

PEST: Salar 1	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Blister beetles Mexican bean beetle	5/8 to 1 1/4	2.0 to 1.0	Repeat applications as necessary up to a total of 5
Alfalfa caterpillar Rednecked Bean leaf beetle peanutworm	1 1/4	1.0	times per year but not more often than once every 7 days.
Cucumber beetle Three cornered Green cloverworm alfalfa hopper Japanese beetle Thrips Leafhoppers Velvetbean caterpillar		•	For best results on thrips, use directed or banded sprays with hollow cone spray nozzles. Ensure adequate coverage for the underside of leaves.
Armyworm Stink bugs Corn earworm Webworms Fall armyworm	i	1.0 to 0.67	For cutworm, this product is most effective against species which feed on the upper portions of the plant.
Whitefringed beetle Cutworms adults	2 1/2	0.5	en de la companya de

RESTRICTIONS: PEANUTS

- Do not apply within 14 days of harvest.
- Do not apply more than a total of 10 pounds (8 water soluble packets) per acre per crop per year.
- Observe plant response precautions.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

ROOT AND TUBER CROPS

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Beet (garden), Carrot, Horseradish, Parsley (turnip-rooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga and Turnips only (see below for sugar beets and sweet potatoes)

		POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Flea beetles Leafhoppers		5/8 to 1 1/4	2.0 to 1.0	Repeat applications as necessary up to a total of 6
Armyworm Aster leafhopper	Lace bugs Lygus bugs	1 1/4 to 2 1/2	1.0 to 0.5	times per year but not more often than once every 7 days.
Colorado potato beetle Corn earworm	Spittlebugs Stink bugs			For cutworm, this product is most effective against species
Cutworms European corn borer	Tarnished plant bug			which feed on the upper portions of the plant.
Fall armyworm		17		

RESTRICTIONS: ROOT AND TUBER CROPS EXCEPT SUGAR BEETS AND SWEET POTATOES

- Do not apply within 7 days of harvest.
- Do not apply more than a total of 7 1/2 pounds (6 water soluble packets) per acre per crop per year.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

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SUGAR BEETS

PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble	SPECIFIC DIRECTIONS
Armyworm Flea beetles Beet leaf beetle Leafhoppers Fall armyworm Webworms	1 1/4 to 1 7/8	1.0 to 0.67	Repeat applications as necessary up to a total of 2 times per year but not more often than once every 14 days.
Cutworms	1 7/8	0.67	For cutworm, this product is most effective against species which feed on the upper portions of the plant.

RESTRICTIONS: SUGAR BEETS

- Do not apply within 28 days of harvest for roots or forage.
- Do not apply more than a total of 3 3/4 pounds (3 water soluble packets) per acre per crop per year.
- BEE CAUTION

 Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

SWEET POTATOES

·	al the character of the state	POUNDS OF	ACRES	
	PEST	THIS PRODUCT PER ACRE	TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Corn earworm Cucumber	Sweet potato weevil Tortoise beetles	1 1/4 to 2 1/2	1.0 to 0.5	For foliar sprays, repeat applications as necessary up to a total of 8 times
beetles Flea beetles	₂ 38			per year but not more often than once every 7 days.
Sweet potato hornworm				

RESTRICTIONS: SWEET POTATOES

- Do not apply within 7 days of harvest.
- Do not apply more than a total of 10 pounds (8 water soluble packets) per acre per crop per year.
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

SMALL FRUITS AND BERRIES

Blackberry (Rubus spp. - including Andean Blackberry, Arctic blackberry, Bingleberry, Black satin berry, Boysenberry, Brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyene blackberry, Common blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless berry, Evergreen blackberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth blackberry, Marionberry, Mora, Mures deronce, Nectarberry, Northern dewberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangeberry, Ravenberry, Rossberry, Shawnee blackberry, Southern dewberry, Tayberry, Youngberry, Zarzamora, plus cultivars, varieties and/or hybrids of these).

Raspberry (*Rubus* spp. - including Bababerry, Black raspberry, Blackcap, Caneberry, Framboise, Frambueso, Himbeere, Keriberry, Mayberry, Purple raspberry, Red raspberry, Thimbleberry, Tulameen, Wild raspberry, Yellow raspberry, plus cultivars, varieties and/or hybrids of these).

Blueberry (Vaccinium spp. - highbush, lowbush and cultivars and/or hybrids of these [= all blueberry species]),

Cranberries; Grapes; Strawberries.

				A Company State State of
PES	interes es desembles. Trapolitica de la se	THIS PRODUCT	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
European fruit	Rose chafer	1 1/4 to 2 1/2	1.0 to 0.5	OBSERVE BEE CAUTION.
lecanium European raspberry aphid Flea beetles Grape leaffolder	Snowy tree cricket Strawberry bud weevil Strawberry fruitworm Strawberry leafroller		ren e no e e e e	Repeat applications as necessary up to a total of 5 times per year but not more often than once every 7 days.
Grape leafroller Japanese beetle Leafhoppers	Strawberry weevil Western grapeleaf skeletonizer Western			For cutworm, this product is most effective against species which feed on the upper portions of the plant.
1	yellowstriped			in grapes for grape leaffolder, apply before first brood larvae
Blueberry maggot Cherry fruitworm Cranberry freworm Cranberry fruitworms		1 7/8 to 2 1/2	0.67 to 0.5	emerge from rolls. In grapes, do not concentrate spray on the bunch or visible
Cutworms Grape horn, math	Orange tortrix Redbanded leafroller Saltmarsh caterpillar	2 1/2	0.5	residues may result.

RESTRICTIONS: SMALL FRUITS AND BERRIES

- Do not apply within 7 days of harvest.
- Do not apply more than a total of 12 1/2 pounds (10 water soluble packets) per acre per crop per year.
- · Use in cranberries may kill shrimp and crabs. Do not use in areas where these are important resources.
- Carbaryl may injure Early Dawn and Sunrise varieties of strawberries:
- For GRAPES only:

East of the Rocky Mountains, the restricted entry interval (REI) = 2 days for all activities except grape girdling and cane turning.

EXCEPTION: the REI is 6 days for grape girdling and cane turning.

West of the Rocky Mountains, the restricted-entry interval (REI) = 6 days

• Restricted-entry interval (REI) = 12 hours for Cranberries, and Strawberries

BEE CAUTION

Do not apply this product to target crops or weeds in bloom. If weed or cover crop bloom is present, mow orchard floor or between rows prior to applying this product. Do not apply to target crop 4 days prior to bloom.

SUNFLOWERS

	PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Stem weevil Sunflower beetle		1 1/4 to 1 7/8	1.0 to 0.67	Up to 2 applications may be made per year but not more often than once every 7 days.
Armyworm Cutworms	Fall armyworm	1 7/8	0.67	For cutworm, this product is most effective against species which feed on the upper portions of the plant.

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RESTRICTIONS: SUNFLOWERS

Janes Control of Mary 1999 And Albert 1999

- · Do not apply within 30 days of grazing or harvest for forage or within 60 days of harvest for seed.
- Do not apply more than a total of 3 3/4 pounds (3 water soluble packets) per acre per crop per year.
- BEE CAUTION
 - Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.
- DO NOT USE ON SUNFLOWER IN CALIFORNIA.

TOBACCO

	·		
PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Budworms Japanese beetle	1 1/4 to 2 1/2	1.0 to 0.5	Plant bed and Field Treatment
Fall armyworm June beetle Tobacco flea beetles Suckfly Hornworms	7 . m 6 A .		Repeat treatments as necessary up to a total of 4 times per crop per year but not more often than once every 7 days.
			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.

RESTRICTIONS: TOBACCO

- Do not apply within 2 days of harvest.
- Do not apply more than a total of 10 pounds (8 water soluble packets) per acre per crop per year.

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- Observe plant response precautions.
- Restricted-entry interval (REI) = 2 days (48 hours).
- BEE CAUTION

Do not apply this product to target crops or weeds in bloom. Do not apply to target crop 4 days prior to bloom.

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TREE FRUIT CROPS

On all tree fruit crops, apply in sufficient volume for adequate coverage. This will vary depending on the pest and its severity, the tree condition, size, and density, and other factors.

CITRUS FRUITS

All members of the Citrus Fruit Group 10 including: Calamondin, Citrus citron, Citrus hybrids (Citrus spp., includes chironja, tangelo and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (sweet and sour), Pummelo, Satsuma mandarin, White sapote (Casimiroa spp.), and other cultivars and/or hybrids of these

PEST on the part of the part o	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Avocado leafroller Orange Tortrix Califórnia orangedog Western tussock Citrus cutworm moth Fruittree leafroller Scale insects [Black scale, brown soft	2 1/2 to 3 3/4 3 3/4 to 6 1/4	0.5 to 0.3	OBSERVE BEE CAUTION. Repeat applications as necessary up to a total of 8 times per crop per year but not more often than once every 14 days. For scale, apply when crawlers are present.
scale, California red scale (except in California), citrus snow scale, yellow scale (except in California)]	:	Report and delight of the control of	
Citrus root weevils (adults)	6 1/4	0.2	· · · · · · · · · · · · · · · · · · ·
California only: California red scale Yellow scale	6 1/4 to 15	0.2 to 0.08	Do not make more than 1 application per crop per year for California red scale. Apply when crawlers are present.
Florida only: Adult citrus weevils (such as, Diaprepes abbreviatus, Pantomorus cervinus, Artipes floridanus, and Pachnaeus spp.)	6 1/4 to 10	0.2 to 0.12	Apply as a foliar spray in adequate volume to obtain uniform coverage. May be applied by ground as a dilute or concentrate spray. Repeat application as necessary up to a total of 3 times per crop per year but not more often than once every 14 days.

RESTRICTIONS: CITRUS FRUITS

- Do not apply within 5 days of harvest.
- All States including Florida and California:

Do not apply more than a total of 25 pounds (20 water soluble packets) per acre per crop per year.

California only:

Restricted-entry interval (REI) =3 days for application rates ≥ 6 1/4 pounds per acre (5 water soluble packets). Do not apply more than 15 pounds (12 water soluble packets) per acre per application.

· Florida only:

Restricted-entry interval (REI) = 12 hours

Do not apply more than 10 pounds (8 water soluble packets) per acre per application

All States other than Florida and California:

Restricted-entry interval (REI) = 12 hours

Do not apply more than 6 1/4 pounds (5 water soluble packets) per acre per application.

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Do not apply this product to target crop in bloom. Mowing weed or cover crop bloom prior to applying this product will reduce hazard to bees. Do not apply to target crop 4 days prior to bloom.

. 16. POME FRUITS

Apple, Crabapple, Pear, and Oriental pear only

	Apple, Crapapple, Pear	, and Oriental pear on	y		
*		প্ৰিয়ে কাৰ্য্য চৰ্কা ১১ ১৮০৮ চ. ১ প্ৰতিষ্ঠা ক্ষেত্ৰ ১ প্ৰতিষ্ঠান	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
	White apple leafhopper	1 (2) (3) 2 (2) (3) (3) (4) (4)	5/8 to 1 7/8	2.0 to 0.67	OBSERVE BEE CAUTION On apples, avoid use during the period
	Apple aphid	Codling moth	1 1/4 to 3 3/4	1.0 to 0.3	from full bloom until 30 days after full bloom unless fruit thinning is desired.
· · · · · · · · · · · · · · · · · · ·	Apple aphid Apple maggot Apple rust mite Bagworms California pearslug (pear sawfly) European apple sawfly Eyespotted bud moth Fruittree leaffoller Lesser appleworm Lygus bugs Orange tortrix	Pearleaf blister mite Pear psylla Pear rust mite Peirodical cicada Plum curculio Redbanded leafroller Rosy apply aphid Scale insects (Forbes scale, Lecanium scale, San Jose scale) Tarnished plant bug Tentiform leafminers Woolly apple aphid Yellowheaded fireworm	1 7/8 to 3 3/4	0.67 to 0.3	Use for pesticidal activity during this period may also result in fruit removal. Repeat applications as necessary up to a total of 8 times per crop per year (including thinning sprays on apples) but not more often than once every 14 days. For psylla, apply when eggs hatch or young nymphs are present. For scale, apply when crawlers are present.

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POME FRUITS (

CROP	PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Apples	mar. Ho	1 1/4 to 3 3/4	2/4 / 1.0 to 0.3 1/4 /	OBSERVE BEE CAUTION.
Only, for Fruit Thinning		gar w.	in the state of	For easily thinned varieties: apply 1/3 to 5/8 pounds per 100 gal. of spray mixture.
rimining		i the State Marie Halland		For difficult to thin varieties: apply 5/8 to 1 1/4 pounds per 100 gal. of spray mixture.
	1.4 p. 1.5 p. 5.4		· · · · · · · · · · · · · · · · · · ·	Apply between 10 and 25 days after full bloom. Factors such as tree age, variety, nutrition, previous
e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la co		1		crop, pruning, bloom and degree of set favor excessive fruit thinning with this product. Exercise caution to
** v* 4 = 36	MARIN SERVICE	141.		avoid possible yield reduction. Rates may vary depending on variety and local orchard conditions.
ing the second	servije, ie se	index of		NOTE: The use of SEVIN® 80 Solupacket may result in fruit deformity under certain environmental
Same Articles		A, .	:	conditions: Before using on any variety of apples, the user must weigh the risk versus benefits when using this product, particularly when using between 80%
		s	•	petal fall and 6 mm fruit size. Red Delicious are more sensitive to this phenomenon and in particular, the
er i de la latin El frage la latin	Marine Marine		* * * * * * * * * * * * * * * * * * *	varieties Bisbee, Red Chief and Vallee Spur are very susceptible to conditions causing fruit deformity.
				Precipitation and temperatures below 65° F increases the possibility of fruit deformity. The use with summer
				spray oils and wetting agents may increase the risk of fruit deformity and injury. Consult with fruit thinning
				experts in your area for advice on using this product on specific apple varieties under local growing conditions
Cartino A Sintanti		5,	1	or other questions. Observe all restrictions on the use of this product for apple thinning:

RESTRICTIONS: POME FRUITS

- e (•∞ «Do not apply to quince.»
 - Do not use on pears between the tight flower cluster up to the 20 mm fruit size. Use during this period may result in undesirable fruit thinning and/or deformed fruit.

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- · Do not apply within 3 days of harvest.
- Do not apply more than a total of 18 3/4 pounds (15 water soluble packets) per acre per crop per year.
- Do not make more than a total of 8 applications per crop per year.

FOR PROTECTION OF HONEY BEES:

BEE CAUTION

Do not apply this product to target crops or weeds in bloom. If weed or cover crop bloom is present, mow orchard floor or between rows prior to applying this product. Do not apply to target crop 4 days prior to bloom.

For Apple Thinning Use

- Do not apply during bloom.
- Remove bee hives from orchard to be treated before applying this product. Removing bee hives from adjacent orchards will further minimize risk to bees.

Drift Management

For airblast application, follow the following drift management practices:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;

- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- · For applications to the outside rows, only spray inward, toward the orchard

STONE FRUITS

Apricot, Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh) only

ing the contract of the contra		1 1	
PEST THE TELEVISION ACTIONS	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Apple pandemis Black cherry aphid Cherry fruitworm Cherry maggot (Cherry fruit fly) Codling moth Cucumber beetles Eastern tent caterpillar Eyespotted bud moth European earwig Fruittree leafroller Green fruitworm Gypsy moth Japanese beetle Lesser peachtree Doron fruitword Doron fruitwor	2 1/2 to 3 3/4	0.5 to 0.3	OBSERVE BEE CAUTION. Repeat applications as necessary up to a total of 3 times per crop per year but not more often than once every 7 days. An additional application at the dormant or delayed dormant timing may be made. For best results on scale, apply when crawlers are present. For lesser peachtree borer, best results have been found by thoroughly spraying limbs and tree trunks at weekly intervals during moth flight.
California Only: Black cherry aphid Cherry fruitworm Cherry maggot (Cherry fruit fly) Codling moth Cucumber beetles Eyespotted bud moth European earwig Fruittree leafroller Green fruitworm Orange tortrix California Only: Oriental fruit moth Peach twig borer Scale insects (Brown soft scale, Forbes scale, Clive scale, Olive scale, Oystershell scale, San Jose scale) Tarnished plant bug Tussock moth	3 3/4 to 5	0.3 to 0.25	OBSERVE BEE CAUTION. Repeat applications as necessary up to a total of 3 times per crop per year but not more often than once every 14 days. An additional application at the dormant or delayed dormant timing may be made. For best results on scale, apply when crawlers are present.
Peach twig borer Scale insects (Brown soft scale, Forbes scale, Lecanium scale, Olive scale, Oystershell scale, San Jose scale)	5 to 6 1/4	0.25 to 0.2	For dormant or delayed dormant timing, apply in combination with a recommended dormant oil. Refer to the dormant oil product label for additional use directions and restrictions.

RESTRICTIONS: STONE FRUITS

- Do not apply within 3 days of harvest, except in California. In California, do not apply within 1 day of harvest.
- All States including California:

Do not apply more than a total of 17 1/2 pounds (14 water soluble packets) per acre per crop per year.

Do not apply more than a total of 6 1/4 pounds (5 water soluble packets) persacre at the dormant or delayed domant timing.

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Do not apply more than a total of 1.1.1/4 pounds (9 water soluble packets) per acre during the production season.

- California only:
 - Do not apply more than 5 pounds per acre (4 water soluble packets) per application during the production season. All States other than California:
- - Do not apply more than 3 3/4 pounds per acre (3 water soluble packets) per application during the production North Contraction of season.

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Do not apply this product to target crops or weeds in bloom. If weed or cover crop bloom is present, mow orchard floor or between rows prior to applying this product. Do not apply to target crop 4 days prior to bloom.

TREE NUT CROPS

On all tree nut crops, apply in sufficient volume for adequate coverage. This will vary depending on the pest and its severity, the tree condition, size, and density, and other factors.

PISTACHIOS

PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Navel orangeworm	3 3/4 to 6 1/4	0.3 to 0.2	Repeat applications as necessary up to a total of 4 times per crop per year (including any applications at the dormant or delayed dormant timing) but not more often than once every 7 days. For scale, apply when crawlers are present.
			For dormant or delayed dormant timing, apply in combination with a recommended dormant oil. Refer to the dormant oil product label for additional use directions and restrictions.

RESTRICTIONS: PISTACHIOS

- Do not apply within 14 days of harvest.
- Do not apply more than 6 1/4 pounds per acre per application.
- Do not apply more than a total of 18 3/4 pounds (15 water soluble packets) per acre per crop per year, including any application at the dormant or delayed dormant timing.

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Do not apply this product to target crops or weeds in bloom. If weed or cover crop bloom is present, mow orchard floor or between rows prior to applying this product. Do not apply to target crop 4 days prior to bloom.

North Allegan (Company)

TREE NUTS

Almond, Chestnut, Filbert (hazelnut), Pecan, Walnut [including black and English (Persian) walnuts] only

:	PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
	Calico scale	2 1/2 to 6 1/4	0.5 to 0.2	OBSERVE BEE CAUTION
	Codling moth European fruit lecanium Fall webworm Fruittree leafroller Hickory shuckworm Lesser webworm			Repeat applications as necessary up to a total of 4 times per crop per year (including any applications at the dormant or delayed dormant timing) but not more often than once every 7 days.
	Navel orangeworm Peach twig borer Pecan leaf phylloxera Pecan stem phylloxera Pecan nut casebearer	ast a protect	autorio de la companya della companya della companya de la companya de la companya della company	Use lower rates for pests attacking leaves. Use higher rates for pests attacking fruit and for higher infestations.
!	Pecan spittlebug Pecan weevil			For scale, apply when crawlers are present.
	San Jose scale Twig girdler Walnut caterpillar			For peach twig borer, best results with foliar applications have been found by making applications in "popcorn" or petal fall stages when the May brood begins to hatch.
	United the second secon	;		For navel orangeworm in almonds and walnuts, best results have been found by timing early and midseason applications to correspond with moth flight peaks.
. S. 1923				For filbert leafroller, best results have been found by making applications when eggs are hatching, repeating application on first appearance of moths and again 3 to 4 weeks later.
		i.e., get ge, get fire, get en e		For codling moth in walnuts, best results have been found by making applications when average cross-sectional diameters of developing nuts are 0.5 to 0.75 inches and again during middle or late June as needed.
	Chestnut weevil	5 to 6 1/4	0.25 to 0.2	For chestnut weevil, best results have been found with 4 applications at weekly intervals beginning in late July. The last application should be made prior to shuck split.
				For European earwig, thorough coverage of trunks, branches, and nuts is needed for best results.
	Almonds only Peach twig borer Scale insects	5 to 6 1/4	0.25 to 0.2	For dormant or delayed dormant timing, apply in combination with a recommended dormant oil. Refer to the dormant oil product label for additional use directions and restrictions.

RESTRICTIONS: TREE NUTS

- Do not apply within 14 days of harvest.
- Do not apply more than a total of 18 3/4 pounds (15 water soluble packets) per acre per crop per year, including any application at the dormant or delayed dormant timing.

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Do not apply this product to target crops of weeds in bloom. If weed or cover crop bloom is present, mow orchard floor or between rows prior to applying this product. Do not apply to target crop 4 days prior to bloom.

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FORESTED AREAS AND RANGELAND TREES

Apply by ground in sufficient volume for adequate coverage. This will vary depending on the tree size, density and stage of growth.

Forested areas: Non-urban Forests, Tree Plantations, Planted Christmas Trees, Parks, Rural Shelter Belts; Rangeland Trees.

Trees.				
PE	ST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Ants (except	Locust borer	1 1/4	1.0	Observe plant response
harvester, pharaoh	Maple leafcutter			precautions.
and carpenter)	Mealy bugs			Obtain thorough coverage of
Apple aphid	Mimosa webworm			upper and lower leaf surfaces.
Armyworm	Nantucket pine tip			The addition of a sticker may
Azalea leafminer	moth			improve product performance.
Bagworms	Oak leafminers			To kill scale insects, treat
Birch leafminer	Oak skeletonizer			trunks, stems and twigs in
Blister beetle	Oakworm complex			addition to plant foliage.
Boxelder bug Boxwood leafminer	Oleander caterpillar			1
Brown tail moth	Olive ash borer			For best results on worm, treat
Cankerworms	Orange-striped			when pests are small.
Catalpa sphinx	oakworm			Make applications for maple
Chiggers*	Periodical cicada			leafcutter on sugar maple
Cooley spruce gall	Pine sawfly			when larvae are in 2nd instar
adelgid	Pine spittlebug Pitch pine tip moth			after mining and as cases are
Cutworms	Spruce budworm			being formed.
Cypress tip moth	Plant bugs			Repeat treatments as
Douglas-fir tussock	Poinsettia hornworm			necessary up to a total of 2
moth	Psyllids			times per year but not more
Eastern spruce gall	Puss caterpillar			often than once every 7 days.
adelgid	Redhumped			For gypsy moths, use the
Elm leaf aphid	oakworm			higher rate for heavy
Elm leaf beetle	Rose aphid			infestations.
Elm spanworm	Rose chafer			
Eriophyid mites	Rose slug			
European pine shoot	Saddled prominent			ì
moth	Sawflies (exposed)			
Fall armyworm Flea beetle	Scale insects			
Fuller rose beetle	(crawiers)	1	ļ	Į.
Gall midges	Sowbugs			
Gall wasps	Spiney elm			
Greenstriped	caterpillar Springtoils			
mapleworm	Springtails Spruce needleminer			
Grasshoppers	Subtropical pine tip].
Hackberry nipplegall	moth			1
maker	Tent caterpillars			1
Holly bud moth	Thorn bug			
Holly leafminer	Walnut caterpillar			
Jackpine budworm	Webworms			
Japanese beetle	Western hemlock			
Jeffrey pine	looper			
needleminer	Western spruce			
June beetles	budworm],
Lace bugs Leafhoppers	Willow leaf beetles		1	
Leafrollers	Yellow poplar weevil			
Gypsy Moth	· · · · · · · · · · · · · · · · · · ·	9/10 to 1 1/4	1.4 to 1.0	1
Cypsy wour		3/10/10 1 1/4	1 7.7.0 1.0	<u> </u>

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FORESTED AREAS AND RANGELAND TREES, CONTINUED

Secretary (Second Secretary) with the second secon	RATE OF THIS PRODUCT PER GALLON	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Elm bark beetle lps engraver beetles Mountain pine beetle Roundheaded pine	3 oz per gallon (1 packet per 6.7 gallons)		Effective as a preventative treatment only. Treat annually to prevent beetle attacks.
beetle Western pine beetle		tal en el fa para el fa stala el fa sent completa de el fa	square feet of bark prior to
A Medical Annual			For elm bark beetle: appliapproximately 20-30 gallons of spray mixture for each 50 feet of elm tree for thorough coverage of all bark surfaces on trunks limbs and twigs.
・ August August August August August August August August August August August August August August August Aug August August br>August August br>August August A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Do not make more than 2 applications per year or repea applications more often that once every six months.

RESTRICTIONS: FORESTED AREAS AND RANGELAND TREES

- Do not make more than 2 foliar applications and 2 direct trunk treatments per year.
- Do not use on syrup-producing sugar maples where sap is harvested.
- DO NOT ENTER OR ALLOW OTHERS TO ENTER TREATED AREAS UNTIL SPRAYS HAVE DRIED.
- BEE CAUTION: Do not apply this product to plants in bloom.

ORNAMENTAL TREES AND PLANTS

Apply by ground in sufficient volume for adequate coverage. This will vary depending on the plant or tree size, density, and stage of growth. Roses, Flowers, Other Herbaceous Plants, Woody Plants, Evergreens, Shrubs.

	POUNDS OF	ACRES	pro Maria a studium medicabili
PEST	THIS PRODUCT PER ACRE	TREATED per S	SPECIFIC DIRECTIONS
, 20,	1 517 7012	Packet	and the second second

	and a standard a standard by the standard standa			A
Ants (except	Maple leafcutter	1 1/4	1.0	Observe plant response
harvester, pharaoh	Mealy bugs			precautions.
and carpenter)	Mimosa webworm	* * N		Obtain thorough coverage of
Apple aphid	Nantucket pine tip			upper and lower leaf surfaces.
Armyworm	_moth	21.00		The addition of a sticker may
	Oak leafminers			improve product performance.
Azalea leafminer	and the second of the second o	****	t god far a residence of	**************************************
Bagworms	Oak skeletonizer	***		To kill scale insects, treat trunks,
	Oakworm complex	·		stems and twigs in addition to
Birch leafminer	Oleander caterpillar			plant foliage.
Blister beetle	Olive ash borer			For best results on worms, treat
Boxelder bug	Orange-striped			when pests are small.
Boxwood leafminer	oakworm	;		Description of the second of t
Brown tail moth	Periodical cicada			Make applications for maple
Cankerworms	Ken.		i	leafcutter on sugar maple when
Catalpa sphinx	Pine sawfly			larvae are in 2nd instar after
Chiggers*	Pine spittlebug	:		mining and as cases are being
Cooley spruce gall	Pitch pine tip moth			formed.
adelgid	Spruce budworm			Repeat treatments as necessary
Cutworms	Plant bugs			up to a total of 6 times per year
Cypress tip moth	Poinsettia hornworm			but not more often than once
Douglas-fir tussock	Psyllids			every 7 days.
moth	Puss caterpillar		i .	For gypsy moths, use the higher
Eastern spruce gall	Redhumped			rate for heavy infestations.
adelgid	- óakworm		:	*Will kill only pests that are
Elm leaf aphid	Rose aphid			present at the time of application
Elm leaf beetle	Rose chafer		1	and directly contacted by
Elm spanworm	Rose slug		i	product.
Eriophyid mites	Saddled prominent		ا جاء ۽ محروبيا ۽	
European pine shoot	Sawflies (exposed)	**	Fire has the control of the	Programme Control of the Control of
moth	Scale insects			
Fall armyworm	(crawlers)		and the second	and the state of t
Flea beetle	Sowbugs	V *		to the state of th
15.45	Spiney elm			
Fuller rose beetle	caterpillar		tha keeparatiin is	that the book of the second
Gall midges	Springtails			
Gall wasps	Spruce needleminer	an english and	dana a	and the second s
Greenstriped	Subtropical pine tip			
mapleworm	_ moth			
Grasshoppers	Tent caterpillars	· Sapin	1 19 60 S A S A S A	Company of the compan
Hackberry nipplegall	Thorn bug			HE SECTION AND SECTION
maker	Walnut caterpillar	liga izo es alto d		1984 Salar S
Holly bud moth	vvainut caterpiliar	· ·		
	Webworms	1.74		- · · · ·
Jackpine budworm	Western hemlock		,	
Japanese beetle	looper		,	*.;_
Jeffrey pine	Western spruce			****
needleminer June beetles	budworm Willow leaf beetles			
1	vviiiow lear beetles			
Lace bugs	Yellow poplar weevil			
Leafhoppers	renow popiar weevil		•	
Leafrollers				•
Locust borer			<u> </u>	
Gypsy Moth		9/10 to 1 1/4	1.4 to 1.0	

ORNAMENTAL TREES AND PLANTS, CONTINUED

Roses, Flowers, Other Herbaceous Plants, Woody Plants, Evergreens, Shrubs

PEST (1992)	RATE OF THIS PRODUCT PER GALLON	ACRES TREATED per Water Soluble Packet	SPECIFIC DIRECTIONS
Elm bark beetle Ips engraver beetles Mountain pine beetle Roundheaded pine beetle	3 oz per gallon (1 packet per 6.7 gallons)	See Specific Directions	Direct Trunk Treatment: Effective as a preventative treatment only. Treat annually to prevent beetle attacks.
Western pine beetle			Apply 1 gallon of spray per 50 square feet of bark prior to beetle flight or host-tree attack. Treat tree trunk from ground level up, until trunk diameter is less than 5 inches.
		mini a interpretable de la companya de la companya de la companya de la companya de la companya de la companya	1
	2.		Do not make more than 2 applications per year or repeat applications more often than once every six months.

RESTRICTIONS: ORNAMENTAL TREES AND PLANTS

Do not make more than a total of 6 foliar and 2 direct trunk treatments per year.

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- Do not use on syrup-producing sugar maples where sap is harvested.
- DO NOT ENTER OR ALLOW ÖTHERS TO ENTER TREATED AREAS UNTIL SPRAYS HAVE DRIED.
- Restricted-entry interval (REI) = 12 hours.
- EXCEPTION: the restricted-entry interval is 18 days for ornamentals grown for cuttings (cut flowers or cut foliage)
 where production is in outdoor areas and where average annual rainfall is less than 25 inches a year. Notify workers
 of the application and restricted-entry interval by warning them orally and by posting warning signs at entrances to
 treated area. Note: information on average annual rainfall for your area is available from any nearby weather
 bureau, such as one located at a local airport or one affiliated with the National Oceanographic and Atmospheric
 Administration (NOAA).

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• BEE-CAUTION: Do not apply this product plants in bloom.

SPECIFIC PESTS ACROSS MULTIPLE SITES GRASSHOPPERS

- All crops on this label ---

PEST	POUNDS OF THIS PRODUCT PER ACRE	ACRES TREATED per Water Soluble Packet	SPÉCIFIC DIRECTIONS
Grasshoppers	5/8 to 1 7/8*	2.0 to 0.67	Apply 5/8 to 9/10 pounds per acre of this product for nymphs on small plants or sparse vegetation. Apply 1 1/4 to 1 7/8 pounds per acre for mature grasshoppers or applications to dense foliage. Be certain spray volumes are appropriate to assure adequate coverage.

RESTRICTIONS: GRASSHOPPERS

NOTE: Refer to individual site listings elsewhere on this label for use restrictions. Do not use rates higher than a listed for the site or exceed other use restrictions.

IMPORTED FIRE ANTS

All crops/sites on this label

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PEST	AMOUNT OF THIS PRODUCT PER GAL OF WATER	DIRECTIONS
Imported fire ants	ing and the second seco	DRENCH APPLICATION: To kill active mounds, apply a total of 2 gallons of the diluted solution over the surface of each mound or at least 1 quart per 6 inches of mound diameter using a bucket, can or other appropriate equipment. Thoroughly wet mound and surrounding areas to a 4 ft diameter (12 sq.ft.). Do not disturb mound 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 30 days. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.
Imported fire ants (foraging)	1 packet per 67.6 gallons	BROADCAST APPLICATION (outdoor use only)** Treat only the growing media when using on bedding plants and avoid contact with foliage. Do not make more than one application per year.

RESTRICTIONS: IMPORTED FIRE ANTS

- DO NOT ENTER OR ALLOW OTHERS TO ENTER TREATED AREAS UNTIL SPRAYS HAVE DRIED.
- FOR OUTDOOR USE ONLY. DO NOT USE IN GREENHOUSES.
- DO NOT USE ON ANY FOOD CROP NOT LISTED ON THIS LABEL. Refer to the specific site use directions elsewhere on this label for additional restrictions.

** Broadcast applications to turfgrass are permitted only on golf courses, sod farms, cemeteries, and commercial landscapes. Applications to all other lawns or turf (residential settings) are limited to spot treatments.

NUISANCE PESTS

For use as a perimeter treatment to kill the listed nuisance pests.

PEST	RATE OF THIS PRODUCT	GALLONS per Water Soluble Packet	SPECIFIC DIRECTIONS
Ants* Brown dog tick* Cockroaches* Earwigs Fleas* Millipedes Scorpions* Silverfish* Spiders*	1% solution	13.3 gallons per packet	Observe plant response precautions. Apply as a coarse wet spray in a band 6 to 10 feet wide around the outside perimeter of buildings, contacting as many pests as possible. Confine applications to areas immediately adjacent to the building. Direct application to the outside of structures should be minimal and restricted to cracks, crevices, and areas where insects tend to congregate.
			For use in and around flower beds and ornamental plantings, apply as a coarse wet spray in and around plant beds.

RESTRICTIONS: NUISANCE PEST

- · Do not make more than 4 applications per year. Do not apply more often than once every 7 days.
- DO NOT ENTER OR ALLOW OTHERS TO ENTER TREATED AREAS UNTIL SPRAYS HAVE DRIED.
- NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block, wood, fabrics, and carpet. Spray
 deposits on painted or stained surfaces of finishes (eg., cars, house trailers, boats, etc.) should be removed
 immediately by washing to prevent discoloration. Avoid application to surfaces where visible spray residues are
 objectionable. Staining of fabrics and carpet may be permanent. For outdoor use only.
- *Will kill only pests that are present at the time of application and directly contacted by product

NOTICE OF WARRANTY: Seller's guaranty shall be limited to the purchase price of the product. To the extent consistent with applicable law, the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.

Reregistration label revisions - resubmitted 10 19 2009