

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460 EPA Reg. Number: Date of Issuance:

19713-363

OCT 1 5 2009

NOTICE OF PESTICIDE:

Terms of Issuance:
Unconditional

Name of Pesticide Product:

Drexel Carbaryl 85S

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Drexel Chemical Company

Registration

XX Reregistration

PO Box 13327

Memphis, TN 38113-0327

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 Document, 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.

Your Confidential Statement of Formula (CSF) dated March 1, 2006 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 15 2009

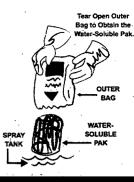
Allen Willen

Meredith Laws, Branch Chief

Registration Division, Insecticide-Rodenticide Branch

EPA Form 8570-6





Carbaryl 85 Sprayable

Intended for Agricultural or Commercial Use ACTIVE INGREDIENT:

 Carbaryl (1-naphthyl N-methylcarbamate)
 85.0%

 OTHER INGREDIENTS:
 15.0%

 TOTAL:
 100.0%

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.)

See FIRST AID Below

EPA Reg. No. 19713-363 EPA Est. No. 19713-XX-XXX

Net Content: 1.177 LBS.

FIRST AID

IF SWALLOWED:

- Immediately call a poison control center or doctor for treatment advice.
- · Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 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.

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

NOTE TO PHYSICIAN: Carbaryl is an N-methyl carbamate that inhibits cholinesterase. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are not recommended.

ACCEPTED
With COMMENTS
In EPA Letter Dated:

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

19713-363

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

Overexposure may cause: Salivation, watery eyes, pinpoint eye pupils, blurred vision, muscle tremors, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea, weakness and headaches. In severe cases, convulsions, 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 5.9 lbs. of this product (5 lbs. a.i.) must wear: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks, chemical-resistant headgear, and a NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a 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.

Application by air or through chemigation is prohibited.

See engineering controls for additional requirements and exceptions.

Follow manufacturer's instructions for cleaning and maintaining 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

Water-soluble packaging when used correctly qualifies as a closed mixing/loading system under the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 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.

Applicators using airblast equipment for application to Citrus in California must use an enclosed cab that meets the definition in the WPS for agricultural pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, such applicators must: wear long-sleeved shirt, long pants, shoes, and socks; either wear a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number 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, 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 re-entering the cab; and store all such PPE in a chemicalresistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

When applicators use enclosed cabs in a manner that meets the requirements listed in the 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: 1) Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash throughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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.

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.

For crops in bloom (except Corn and Soybeans):

Do not apply this product to target crops or weeds in bloom.

For Corn and 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.

DIRECTIONS FOR USE

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 precautions. 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 (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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), restricted entry interval (REI), and notification of workers. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the 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 WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls over short-sleeved shirt and short pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, and chemical-resistant headgear if overhead exposure.

When the REI 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 WPS for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nursenes or greenhouses. Do not enter or allow others to enter the treated area until sprays have dried.

USE INFORMATION

CARBARYL 85 Sprayable is a dry powder formulation packaged in water soluble bag. It readily disperses in water to form a spray which may be applied by ground equipment. Aerial and chemigation applications are prohibited.

DIRECTIONS FOR WATER-SOLUBLE BAGS

EACH WATER SOLUBLE PAK CONTAINS 1.177 POUNDS OF THIS PRODUCT. Do not sell individual water soluble paks.

Paks containing this product are water-soluble. Do not allow pak to become wet prior to adding to the spray tank. Do not handle paks with wet hands. Use the entire contents of a water soluble pak. Do not break open to use partial contents of a water soluble pak.

Note: Products containing boron and/or fertilizers will prevent the water-soluble packet from dissolving. Boron and/or fertilizer products must only be added after packet(s) have completely dissolved.

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, Maidenhair fern and Virginia creeper as injury may result. Carbaryl may also injure Sand and Virginia pines. The use of adjuvants may increase the potential for crop injury to sensitive crops.

PRE-HARVEST 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 ensure proper rate and accurate placement. To clean spray system after use, drain and flush with 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 Armyworms on the crops listed on this label refer to the species, *Pseudaletia unipuncta*, often called the "True armyworm". Except where indicated otherwise, CARBARYL 80S Page 2 of 15

this product is not registered for the control of other Armyworm species. Regional differences have been noted in the susceptibility of certain strains of Colorado potato beetles, Diamondback moth, Fall armyworms and Southern green stink bugs 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. Fill spray or mix tank with one-half to three-fourths the desired amount of water. With the agitator on, slowly add the required number of paks into the mixing tank. Allow all the paks to dissolve and completely disperse. Continue agitation while adding the remainder of the water. Do not put the paks close to the recirculating inlet or 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. Maintain continuous agitation during mixing and application to assure a uniform uspension. 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 paks 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 STATEMENT

This product, 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 precautions and limitations on labeling of all products used in mixtures. When preparing combination sprays, first add this product 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 mixture 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.

SPECIFIC USE DIRECTIONS

Crop/Site Groupings: Asparagus, Brassica leafy vegetable crops, Cereal grain crops (Field and Popcom, Grain sorghum, Rice, Sweet corn); Cucurbit vegetables, Flax, Forage crops (Alfalfa, Birdsfoot trefoil, Clovers), Pasture and Grasses grown for Hay and/or seed, Rangeland, Fruiting vegetables, Leafy vegetables, Legume vegetables (such as edible-podded legume vegetables, Dried shelled pea and beans (except soybeans), Soybeans, Foliage of legume vegetables), Non-cropland (such as Conservation Reserve Program, Ditchbanks, Hedgerows, Rights-of-way, Roadsides, Set-Aside Program acreage, Wasteland), Okra, Peanuts, Prickly pear cactus, Root and Tuber crops (except Sugar beets and Sweet Potatoes), Sugar beets, Sweet potatoes, Small fruits and berries (Bushberries, Caneberries, Cranberries, Grapes, Strawbernes), Sunflower, 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, Turfgrass, Specific pests across multiple sites (Grasshoppers, Imported fire ants, Ticks which may vector Lyme disease, 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 for treatment and specific use information 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.

REI = Restricted Entry Interval

ASPARAGUS

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Asparagus	Apache cicadas, Asparagus beetles, Cutworms	1.2 (1)
	SPECIFIC DIRECTIONS: Repeat application as necessary up to a total of 3 times prior to harvest, but not more often than once every 3 days, or a total of 5 applications per year to spears and ferns combined. For Cutworm, this product is most effective against species which feed on the upper portions of the plant. Do not apply within 1 day of harvest.	
	Apache cicadas, Asparagus beetles, Cutworms	2.4 (0.5)
	SPECIFIC DIRECTIONS: Application to fen lowing harvest of spears: Repeat application more often than once every 3 days. Do not of 5 applications per year to spears and ferr	ns or brush growth fol- s as necessary but not make more than a total

RESTRICTIONS: For preharvest application, do not apply more than 3.75 lbs. of this product (3 paks) per acre per year. Do not apply more than 6.25 lbs. of this product (5 paks) 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 VEGETABLE CROPS

Repeat applications as needed up to a total of 4 times per year, but not more often than once every 7 days.

		the of This
Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
All members of the	Flea beetles, Harlequin	0.6 to 1.2
Brassica Leafy Vegetables	bugs, Leafhoppers	(2 to 1)
Crop Group 5 including:	Armyworms, Aster	1.2 to 2.4
Broccoli, Broccoli raab	leafhoppers, Com	(1 to 0.5)
(rapini), Brussel sprouts,	earworms, Diamondback	
Cabbage, Cauliflower,	moth, Fall armyworms,	
Cavalo broccolo, Chinese	Imported cabbageworms,	
broccoli (gai lon), Chinese cabbage (bok choy),	Lygus bugs, Spittlebugs,	
Chinese cabbage (napa),	Stink bugs, Tarnished plant bugs	
Chinese mustard cabbage	plant bugs	
(gai choy), Collards, Kale,		
Kohlrabi, Mizuna, Mustard		
greens, Mustard spinach,		
Rape greens, Turnip		,
greens		•

RESTRICTIONS: Application is permitted only within 30 days from the date of crop emergence or the date of transplanting. Do not apply within 3 days of harvest of Head and Stern 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. For Leafy Brassica Greens Subgroup 5B including Broccoli raab (rapini), Chinese cabbage (bok choy), Collards, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens, Tumip greens, do not apply within 14 days of harvest. Do not apply more than a total of 7 lbs. of this product (6 paks) 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.

CEREAL GRAIN CROPS

Corn (Field, Pop, Seed) (REI = 24 hours)

Repeat applications as needed up to a total of 4 times per year, but not more often than once every 14 days. Good timing and good coverage are essential for effective product performance.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Com (Field, Pop, Seed)	Armyworms, Chinch bugs, Com earworms, Com rootworm adults, Fall armyworms, Flea beetles, Japanese beetles, Sap beetles, Southwestern com borers, Leafhoppers	1.2 to 2.4 (1 to 0.5)
	SPECIFIC DIRECTIONS: For best result ground equipment to apply at least 20 gals direct spray toward stalk to provide thorough	. of water per acre and
	European com borers	1.8 to 2.4 (0.67 to 0.5)
	SPECIFIC DIRECTIONS: For best result borer, do not apply in less than 15 gals. of	•
	Cutworms, Western bean cutworms	2.4 (0.5)
	SPECIFIC DIRECTIONS: For best results of 12-inch band over the row, using sufficient tain thorough coverage. For broadcast application of water by ground per acre. For Cumost effective against species which feed of the plant. For Western bean cutworms, treaterages 15% and at 90 to 100% tassel emer 100% silk emergence will reduce effectives.	volume of water to ob- lication, use at least 20 tworm, this product is in the upper portions of at when infestation av- gence. Treatment after

RESTRICTIONS: Do not apply more than a total of 9.4 lbs. of this product (8 paks) per acre per crop per year. Do not apply within 48 days of harvest of grain and fodder or within 14 days of harvest or grazing of forage or silage. BEE CAUTION: If application cannot be avoided when target crops or weeds are in bloom, limiting applications to times when bees are least active, e.g., within 2 hours of surrise 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. Prohibitions: Do not enter or allow workers to enter treated areas to perform hand detasseling tasks until 21 days after application. Hand harvesting is prohibited.

Corn (Sweet) (REI = 24 hours)

Repeat applications as necessary up to a total of 8 times per year, but not more than once every 3 days. Good timing and good coverage are essential for effective product performance.

For insects attacking silks and ears, insecticide sprays should be applied starting when first silks appear and continuing until silks begin to dry. During silking, the minimum retreatment interval of 3 days may not provide adequate levels of protection under conditions of rapid growth or severe pest pressure. The use of an alternative product should be considered in conjunction with this product.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Sweet corn	Armyworms, Chinch bugs, Corn	1.2 to 2.4
	earworms, Corn rootworm adults, Fall	(1 to 0.5)
	armyworms, Flea beetles, Japanese	
	beetles, Leafhoppers, Sap beetles,	. 1
	Southwestern corn borers	
	SPECIFIC DIRECTIONS: For best results ground equipment to apply at least 20 gals. direct spray toward stalk to provide thorough	of water per acre and
	European com borers	1.8 to 2.4
		(0.67 to 0.5)
	SPECIFIC DIRECTIONS: For best results on do not apply in less than 15 gals. of water p	•
		(Continued)

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Sweet com	Cutworms, Western bean cutworms	2.4 (0.5)
	SPECIFIC DIRECTIONS: 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 20 gals. of water per acre by ground. For Cutworm, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tassel emergence. Treatment after 100% silk emergence will reduce effectiveness.	

RESTRICTIONS: 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 18.8 lbs. of this product (16 paks) per acre per crop per year. BEE CAUTION: If application cannot be avoided when target crops 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.

Prohibitions: Do not enter or allow workers to enter treated areas to perform hand detasselling tasks until 21 days after application. Hand harvesting is prohibited.

Grain Sorghum

Repeat applications as necessary up to a total of 4 times per year, but not more often than once every 7 days. Direct spray into forming heads for best results on insects attacking heads.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Grain sorghum	Armyworms, Chinch bugs, Com	1.2 to 2.4
	earworms, Fall armyworms, Stink bugs, Webworms	(1 to 0.5)
	SPECIFIC DIRECTIONS: For best res high gallonage ground application at the	
	Southwestern corn borers	1.8 (0.67)
	Cutworms	2.4 (0.5)
	SPECIFIC DIRECTIONS: For Cutworn effective against species which feed on the plant.	

RESTRICTIONS: 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 lbs. of this product (6 paks) 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.

Rice

Repeat applications as necessary up to a total of 2 times per crop per year, but not more often than once every 7 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Rice	Armyworms, Chinch bugs, Fall armyworms, Leafhoppers, Stink bugs	1.2 to 1.8 (1 to 0.67)
	SPECIFIC DIRECTIONS: Up to 2 applications per crop per year may be made, but not more often than once every 7 days.	
	Tadpole shrimp (CA only)	1.8 (0.67)
	SPECIFIC DIRECTIONS: For best results on tadpole shrimp, apply to water when pest first appears. Up to 2 applications can be made per year at minimum 7-day intervals.	

RESTRICTIONS: Do not apply within 14 days of harvest for grain or straw. Do not apply more than a total of 3.5 lbs. of this product (3 paks) per acre per crop per year. Discharge from treated rice fields may kill shrimp, crabs, and crayfish. Do not apply propanil herbicides with 15 days before or after application of this product or plant injury may 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.

CUCURBIT VEGETABLES

Repeat applications as necessary up to a total of 6 times per year, but not more often than once every 7 days.

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Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
All members of the	Melonworms, Pickleworms	0.6 to 1.2
Cucurbit Vegetables Crop		: (2 to 1)
Group 9 including:	Cucumber beetles, Flea	1.2
Momordica spp. (includes	beetles, Leafhoppers,	(1)
Balsam apple, balsam	Squash bugs	
pear, bitter melon, Chinese	SPECIFIC DIRECTIONS:	For best results on
cucumber), Chayote (fruit),	Squash bugs, apply sufficient	
Chinese waxgourd (Chinese preserving	ough coverage and time spri	ays for early moming or
melon), Citron melon,	late afternoon.	•
Cucumber, Gherkin, Edible		
gourd (includes hyotan,		
cucuzza, hechima,		. *
Chinese okra), Muskmelon		
(hybrids and/or cultivars of	,	
Cucumis melo including		
cantaloupe, true		
cantaloupe, casaba,		
Crenshaw melon, golden		•
pershaw melon, honeydew		
melon, honey balls, mango		
melon, Persian melon,		
pineapple melon, Santa	·	
Claus melon, snake melon), Pumpkin, Summer		
squash types (such as		
crookneck squash, scallop		
squash, straightneck		
squash, vegetable marrow		
and zucchini), Watermelon		
(including hybrids and/or		
varieties of Citrullus	·	
lanatus), Winter squash	,	
types (such as acom		
squash, butternut squash,		•
calabaza, cushaw,		
Hubbard squash, and		
spaghetti squash)		

RESTRICTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 7 lbs. of this product (6 paks) 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.

FLAX

Up to 2 applications per crop per year can be made, but not more than once every 14 days.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Flax (Except CA)	Armyworm	1.2 to 1.8 (1 to 0.67)

RESTRICTIONS: Do not apply within 42 days of harvest for seed or straw. Do not apply more than a total of 3.5 lbs. of this product (3 paks) 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.

FORAGE CROPS

Alfalfa, Birdsfoot Trefoil, Clovers

On dense growth, use 25 to 40 gallons of water per acre with ground equipment to ensure adequate coverage.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Alfalfa, Birdsfoot	Blister beetles, Mexican bean	0.6 to 1.2
trefoil, Clovers	beetles	(2 to 1)
•	Alfalfa caterpillars, Bean leaf	1.2
	beetles, Cucumber beetles, Green	(1)
	cloverworms, Japanese beetles,	€ 1
	Leafhoppers, Potato leafhoppers,	,
,	Threecomered alfalfa hoppers,	
	Thrips, Velvetbean caterpillars	
	Alfalfa blotch leafminers,	1.2 to 1.5
	Armyworms, Cloverhead weevils,	(1 to 0.77)
	Corn earworms, Cutworms, Egyptian	, ,
	alfalfa weevil larvae, Essex skippers,	
	European alfalfa beetles, Fall	
	armyworms, Lygus bugs, Stink bugs,	
•	Webworms, Yellowstriped	
•	armyworms	
	SPECIFIC DIRECTIONS: For Cutwon	m, this product is most
	effective against species which feed of the plant.	n the upper portions of
	Alfalfa weevil larvae	. 1.2 to 1.8
,	(West of the Rocky Mountains)	(1 to 0.67)
	SPECIFIC DIRECTIONS: If pre-treatr	
•	sive, cut Alfalfa and treat the stubble.	This product is not ef-
	fective against adult Alfalfa weevils.	
	Alfalfa weevil larvae	1.8
	(East of the Rocky Mountains)	(0.67)
	SPECIFIC DIRECTIONS: If pre-treatr	nent damage is exten-
sive, cut Alfalfa and treat the stubble. This produc		This product is not ef-
	fective against adult Alfalfa weevils.	, ,

RESTRICTIONS: Observe "Plant Response Precautions". Do not apply more than once per cutting. Do not apply within 7 days of harvest or grazing. Do not exceed 1.8 lbs. of this product (1.5 paks) per acre per cutting. Carbaryl may cause 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

PASTURE AND GRASSES GROWN FOR HAY AND/OR SEED

Up to 2 applications can be made per year, but not more often than once every 14 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Pasture and	Armyworms, Chinch bugs, Essex	1.2 to 1.8
Grasses grown for	skippers, Fall armyworms, Striped	(1 to 0.67)
hay and/or seed	grass loopers, Thrips, Range caterpillars, Range crane flies	,
	SPECIFIC DIRECTIONS: To kill Thrips, use high spray pres-	
	sure to improve penetration into the boot. Accurately mark swaths to avoid over-application.	
	Ticks	1.2
		(1)
SPECIFIC DIRECTIONS: This product will kill present at the time of application and directly co product.		

RESTRICTIONS: Do not apply within 14 days of harvest or grazing. Do not exceed a total of 3.5 lbs. of this product (3 paks) 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

Do not make more than 1 application per year. Accurately mark swaths to avoid over-application.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Rangeland	Black grass bugs, Range caterpillars, Range crane flies	0.6 to 1.2 (2 to 1)
	Grasshoppers, Mormon crickets	0.6 (2)
	Ticks	1.2 (1)
	SPECIFIC DIRECTIONS: This product will kill only Ticks present at the time of application directly contacted by product.	

RESTRICTIONS: May be harvested or grazed the same day of treatment. Do not apply more than 1.2 ibs. of this product (1 pak) 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.

FRUITING VEGETABLES

Repeat application as necessary up to a total of 7 times per year, but not more often than once every 7 days. When disease transmission is suspected, monitor fields following application and retreat if reinfestation occurs, but not more often than once every 7 days.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
All members of the Fruiting Vegetable Crop Group 8 including: Eggplant, Groundcherry, Pepinos, Pepper (includes: bell pepper, chili pepper,	Colorado potato beetles, European corn borers, Fall armyworms, Lace bugs, Stink bugs (suppression), Tarnished plant bugs, Thrips (suppression), Tomato fruitworms, Tomato hornworms, Tomato pinworms	1.2 to 2.4 (1 to 0.5)
cooking pepper, pimento, sweet	SPECIFIC DIRECTIONS: Thorough to effectively suppress Stink bugs.	n coverage is essential
pepper), Tomatillo, Tomato	Flea beetles, Leafhoppers	0.6 to 1.2 (2 to 1)
	Cutworms	2.4 (0.5) .
	SPECIFIC DIRECTIONS: For Cut most effective against species which tions of the plant.	· ·

RESTRICTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 9.4 lbs. of this product (8 paks) 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.

LEAFY VEGETABLES

Repeat applications as necessary up to a total of 5 times per year, but not more often than once every 7 days.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Dandelion; Endive	Flea beetles, Harlequin	0.6 to 1.2
(escarole); Lettuce (head	bugs, Leafhoppers	(2 to 1)
and leaf); Parsley; Spinach;	Armyworms, Aster	1.2 to 2.4
All members of the Leaf	leafhoppers, Com	(1 to 0.5)
Petioles Vegetable	earworms, Fall	
Subgroup 4B including:	armyworms, Imported	
Cardoon, Celery, Celtuce,	cabbageworms, Lygus	
Chinese celery, Florence	bugs, Spittlebugs, Stink	
fennel (including sweet	bugs, Tamished plant	
anise, sweet fennel,	bugs	·
Finocchio), Rhubarb, Swiss		
chard		1

RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply more than a total of 7 lbs. of this product (6 paks) 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 Vegetables Crop Subgroup 6A including: Phaseolus spp. including runner bean, snap bean, and wax bean; Vigna spp. including Asparagus bean, Chinese longbean, Moth bean and Yardlong bean; Pisum spp. 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 Vegetables (except soybeans) Crop Subgroup 6C including: Lupinus spp. including Grain lupin, Sweet lupin, White lupin and White sweet lupin; Phaseolus spp. including Field bean, Kidney bean, Dry lima bean, Navy bean, Pinto bean, Tepary bean, Vigna spp. including Adzuki bean, Blackeyed pea, Catjang, Cowpea, Crowder pea, moth bean, Mung bean, Rice bean, Southern pea, Urd bean; Pisum spp. 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 Vegetables Crop Group 7: Plant parts of any legume vegetables included in the legume vegetable (Crop Group 6) that will be used as animal feed); Soybeans

Repeat applications as necessary up to a total of 4 times per year, but not more often than once every 7 days. Use lower rates for light to moderate populations and smaller instars. Use the higher rates for heavy populations and larger instars.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
See crop listing	Bean leaf beetles, Blister beetles,	0.6 to 1.2
above	Cucumber beetles, Grape colaspis,	(2 to 1)
	Green cloverworms, Japanese	
	beetles, Mexican bean beetles,	
}	Velvetbean caterpillars	
	Corn earworms	0.6 to 1.8
		(2 to 0.67)
	Alfalfa caterpillars, Colorado potato	1.2
	beetles, Flea beetles, Leafhoppers,	(1)
	Threecornered alfalfa hoppers,	
	Thrips, Western bean cutworms	
1	Armyworms, Cutworms, European	1.2 to 1.8
	corn borers, Fall armyworms, Stink	(1 to 0.67)
	bugs, Tarnished plant bugs, Webworms	
	***************************************	this seed ust is seed
	SPECIFIC DIRECTIONS: For Cutworn effective against species which feed on	
	the plant.	title upper portions of
	Alfalfa loopers (suppression),	1.8
	Cowpea curculios (suppression),	(0.67)
	Painted ladies (Thistle caterpillars),	
	Pea leaf weevils, Pea weevils, .	
,	Saltmarsh caterpillars, Woollybear	
	caterpillars, Yellowstriped armyworms	
	CA ONLY: Corn earworms	1.8
	(suppression), Limabean podborers	(0.67)
4	(suppression), Lygus bugs	
	(suppression), Stink bugs	
<u> </u>	(suppression)	

RESTRICTIONS: Do not use on Lentils in CA. 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 lbs. of this product (6 paks) per acre per crop per year. Use on succulent, shelled peas and beans, (Crop Subgroup 6B) is prohibited. Do not apply a combination of this product and 2,4-DB herbicides to Soybeans as crop injury may result. Observe "Plant Response Precautions". 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.

NON-CROPLAND

Up to 2 applications can be made per year, but not more often than once every 14 days. Accurately mark swath to avoid over-application.

Site	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Conservation Reserve	Black grass bugs	0.3 to 0.6
Program Acreage, Set-		(3.7 to 2)
Aside Program Acreage,	Range caterpillars, Range	0.6 to 1.2
Wasteland, Rights-of-	crane flies	(2 to 1)
Way, Hedgerows,	Mormon crickets	0.6
Ditchbanks, Roadsides		(2)
	Ticks	1.2
		(1)
	SPECIFIC DIRECTIONS: TI Ticks present at the time of contacted by product.	

RESTRICTIONS: Do not apply within 14 days of grazing or harvest for forage or hay. Do not apply more than a total of 3.5 lbs. of this product (3 paks) 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.

OKRA

Up to 4 applications can be made per year, but not more often than once every 6 days. Apply using ground equipment in sufficient volume to ensure good coverage. For Grasshopper, refer to "SPECIFIC PESTS ACROSS MULTIPLE SITES" section.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Okra (Except CA)	Corn earworms, Stink bugs	1.2 to 1.8 (1 to 0.67)

RESTRICTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 7 lbs. of this product (6 paks) 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.

PEANUTS

Repeat applications as necessary up to a total of 5 times per year, but not more often than once every 7 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Peanuts	Blister beetles, Mexican bean beetles	0.6 to 1.2 (2 to 1)
	Alfalfa caterpillars, Bean leaf beetles,	1.2
	Cucumber beetles, Green cloverworms,	· (1)
	Japanese beetles, Leafhoppers,	
	Rednecked peanutworms,	
	Threecomered alfalfa hoppers, Thrips,	
	Velvetbean caterpillars	
· .	SPECIFIC DIRECTIONS: For best resu rected or banded spray with hollow cone adequate coverage for the underside of le	spray nozzles. Ensure
	Armyworms, Corn earworms, Fall	1.2 to 1.8
	armyworms, Stink bugs, Webworms	(1 to 0.67)
	Whitefringed beetle adults, Cutworms	2.4
		(0.5)
	SPECIFIC DIRECTIONS: For Cutworm, t fective against species which feed on the plant.	•

RESTRICTIONS: Observe "Plant Response Precautions". Do not apply within 14 days of harvest. Do not apply more than a total of 9.4 lbs. of this product (8 paks) 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.

PRICKLY PEAR CACTUS

Up to 3 applications can be made per year, but not more often than once every 7 days. Apply using ground equipment in sufficient volume to ensure good coverage. For Grasshopper, refer to "SPECIFIC PESTS ACROSS MULTIPLE SITES" section.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Prickly pear cactus (Except CA)	Cochineal scales (crawlers)	2.4 (0.5)

RESTRICTIONS: Do not apply within 3 days of harvest. Do not apply more than 7 lbs. of this product (6 paks) 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.

ROOT AND TUBER CROPS

(Except Sugar beets and Sweet potatoes)

Repeat applications as necessary up to a total of 6 times per year, but not more often than once every 7 days.

Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Flea beetles, Leafhoppers	0.6 to 1.2
·	(2 to 1)
Armyworms, Aster	1.2 to 2.4
	(1 to 0.5)
• •	
•	·
	thuorm this product is
	mon reca on are appear
persons or any position	
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1	
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* *	
	•
	Flea beetles, Leafhoppers

RESTRICTIONS: Do not apply within 7 days of harvest. Do not apply more than 7 lbs. of this product (6 paks) 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.

SUGAR BEETS

Repeat applications as necessary up to a total of 2 times per year, but not more often than once every 14 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Sugar beets	Armyworms, Beet leaf beetles, Fall armyworms, Flea beetles, Leafhoppers, Webworms	1.2 to 1.8 (1 to 0.67)
	Leamoppers, webworms	(Continued)

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Sugar beets ,	Cutworms	1.8 (0.67)
	SPECIFIC DIRECTIONS: For Cutwo effective against species which feed the plant.	
DESTRICTIONS	the plant.	for roots ar former. Do no

RESTRICTIONS: Do not apply within 28 days of harvest for roots or forage. Do not apply more than a total of 3.5 lbs. of this product (3 paks) 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

For foliar spray, repeat applications as necessary up to a total of 8 times per year, but no more often than once every 7 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Sweet potatoes	Com earworms, Cucumber beetles, Flea beetles, Sweet potato hornworms, Sweet potato weevils, Tortoise beetles, Whitefringed beetles	1.2 to 2.4 (1 to 0.5)
	Yellowstriped armyworms	2.4 (0.5)

RESTRICTIONS: Do not apply within 7 days of harvest. Do not apply more than a total of 9.4 lbs. of this product (8 paks) 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

(REI: Grapes [East of the Rocky Mountains] 2 days for all activities except grape girdling and cane turning. EXCEPTION: The REI is 6 days for grape girdling and cane turning; Grapes [West of the Rocky Mountains] 6 days)

Repeat applications as necessary up to a total of 5 times per year, but not more often than once every 7 days.

All members of the Caneberry Crop Subgroup 13-07A including: Blackberry (Rubus spp. including Andean blackberry, Artic blackberry, bingleberry, black satin berry, boysenberry, Brombeere, California blackberry, Cherokee blackberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thomless berry, Evergreen blackberry, Himalayaberry, Lucretiaberry, mammoth blackberry, mammoth blackberry, mare deronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, budging in the function of the first brood larvae emerge from rolls. European fruit lecaniums, European fruit lecaniums, (1 to 0.5) Flea beetles, Grape leaffolders, Grape leaffolders, Japanese beetles, Leafhoppers, beetles, Cape leafrollers, Meadow spittlebugs, Omnivorous leaftiers, Rose chafers, Snowy tree crickets, Strawberry bud weevils, Strawberry fuitworms, Strawberry leafrollers, Strawberry weevils, Western grapeleaf skeletonizers, Westem yellowstriped armyworms SPECIFIC DIRECTIONS: In Grapes for Grape leaffolder, apply before the first brood larvae emerge from rolls.

			** .
	Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
	rangeberry, ravenberry,	Blueberry maggots, Cherry	1.8 to 2.4
i	rossberry, Shawnee	fruitworms, Cranberry	(0.67 to 0.5)
	blackberry, Southern	fireworms, Cranberry	(0.01 10 0.0)
Ì	dewberry, Tayberry,	fruitworms, Cranberry twig	
Ì	Youngberry, Zarzamora,	girdlers, Elm spanworms,	•
I	plus cultivars, varieties	Gypsy moths, Sparganothis	
I	and/or hybrids of these);	worms, Tamished plant bugs	
Į	Raspberry (Rubus spp.	Eightspotted foresters,	2.4
	including Bababerry,	Cutworms, Grape berry	(0.5)
ı	Black raspberry, Black	moths. June beetles.	(0.5)
ı	cap, Caneberry,	Omnivorous leafrollers,	
	Framboise, Frambueso,	l '	
ı		Orange tortrix, Raspberry	
ı	Himbeere, Keriberry,	fruitworms, Raspberry	
ı	Mayberry, Purple	sawflies, Redbanded	
	raspberry, Red raspberry,	leafrollers, Saltmarsh	
1	Thimbleberry, Tulameen,	caterpillars	
-	Wild raspberry, Yellow	SPECIFIC DIRECTIONS: For	Cutworm, this product
	raspberry, plus cultivars,	is most effective against spec	cies which feed on the
	varieties and/or hybrids	upper portions of the plant.	
-	of these).		
i	All members of the		
1	Bushberry Crop		
1	Subgroup 13-07B	,	
	including: Aronia berry,		
	Blueberry (Vaccinum		
	spp highbush, lowbush		
	and cultivars and/or		
	hybrids of these [= all		
	blueberry species).		
i	chilean quava, Currant		
	(black, buffalo, native,		
	red), Elderberry,		
	European barberry.		
ĺ	Gooseberry, Highbrush		
i	cranberry, Honeysuckle		
	(edible), Huckleberry.		•
	Jostaberry, Juneberry,		
	Lingonberry, Salal, sea		
	buckthom, plus cultivars,		
į	varieties and/or hybrids		
į	of these.		
	Cranberries; Grapes,		
	Strawberries		•
	CHAMDEINGS	1	

RESTRICTIONS: Do not apply within 7 days of harvest. Do not apply more than a total of 11.75 lbs. of this product (10 paks) per acre per crop per year. 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.

Note: Use in Cranberries may kill shrimp and crabs. Do not use in areas where these are important resources. Carbaryl may injure Early dawn and Sunnise varieties of Strawberries. In Grapes, do not concentrate spray on the bunch or visible residues may result.

SUNFLOWERS

Up to 2 applications may be made per year, but not more often than once every 7 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Sunflowers (Except CA)	Stern weevils, Sunflower beetles	1.2 to 1.8 (1 to 0.67)
	Armyworms, Cutworms, Fall armyworms, Sunflower moths	1.8 (0.67)
	SPECIFIC DIRECTIONS: For Cutwo effective against species which feed the plant.	

RESTRICTIONS: 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 3.5 lbs. of this product (3 paks) 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.

(REI = 48 hours)

Plant Bed and Field Treatments — Repeat treatments as necessary up to a total of 4 times per crop per year, but not more often than once every 7 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Tobacco	Budworms, Fall armyworms, Hornworms, Japanese beetles, June beetles, Suckflies, Tobacco flea beetles	1.2 to 2.4 (1 to 0.5)
	SPECIFIC DIRECTIONS: Use lower rate knee height). Use at least 10 gallons of pr Begin treatments when worms are small.	epared spray per acre.

RESTRICTIONS: Do not apply within 2 days of harvest. Do not apply more than a total o 9.4 lbs. of this product (8 paks) 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.

TREE FRUIT CROPS

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

Citrus

(REI: All States except CA = 12 hours; CA = 3 days for application rates greater than or equal to 6.25 lbs. of this product (5 paks) per acre.)

Repeat applications as necessary up to a total of 8 times per year, but not more often than once every 14 days.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
All members of the Citrus Fruits Crop Group 10 including: Calamondin, Citrus	Avocado leafrollers, California orangedogs, Citrus cutworms, Fruittree leafrollers, Orange tortrix, Western tussock moths	2.4 to 3.5 (0.5 to 0.3)
citron, Citrus hybrids (Citrus spp., includes chironja, tangelo, and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (targerine), Orange	Citrus rust mites, Eriophyid mites, Plant bugs, Scale insects (Black scales, Brown soft scales, California red scales [except in CA], Citrus snow scales, Yellow scales [except in CA])	3.5 to 5.9 (0.3 to 0.2)
(sweet and sour), Pummelo, Satsuma mandarin, White	SPECIFIC DIRECTIONS: For Sca are present. For best results on Er Citrus rust mites, apply when pest	iophyid mites, including
sapote (Casimiroa spp.), and other cultivars and/or hybrids of these.	Apopka weevils (adult), Citrus root weevils (adults), Fuller rose beetles, Little leaf notchers (adult)	5.9 (0.2)
	CA Only: California red scales, Yellow scales SPECIFIC DIRECTIONS: Do not	
	plication per crop per year in Cali scale. Apply when crawlers are pr	

RESTRICTIONS: Do not apply within 5 days of harvest. In California, do not apply more than 14.1 lbs. of this product (12 paks) per acre per application. For all other states, do not apply more than 5.9 lbs. of this product (5 paks) per acre per application. Do not apply more than a total of 23.5 lbs. of this product (20 paks) per acre per crop per year in all states including California. BEE CAUTION: Do not apply this product to target crops or weeds 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.

Olives

(REI = 72 hours)

Up to 2 applications can be made per crop per year, but not more often than once every 14 days.

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Olives	Scale insects (Black scales, Olive scales)	5.9 to 8.8 (0.2 to 0.13)

RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply more than a total of 17.6 lbs. of this product (15 paks) per acre per crop per year. 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.

Pome Fruits

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.

once every 14 days.		
Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Members of the Pome Fruits Group	White apple leafhoppers	0.6 to 1.8 (2 to 0.67)
11 including: Apples,	Apple aphids, Codling moths	1.2 to 3.5 (1 to 0.3)
Crabapples, Pears, Loquats, Mayhaw, Oriental pears	Apple aphids, Apple maggots, Apple mealybugs, Apple rust mites, Bagworms, California pearslugs (Pear sawflies), European apple sawflies, Eyespotted bud moths, Fruittree leafrollers, Gypsy moths, Japanese beetles, Lesser appleworms, Lygus bugs, Orange tortrix, Pearleaf blister mites, Pear psyllas, Pear rust mites, Periodical cicadas, Plum curculios, Redbanded leafrollers, Rosy apple aphids, Scale insects (Forbes scales, Lecanium scales, San Jose scales), Tamished plant bugs, Tentiform leafminers, Woolly apple aphids, Yellowheaded fireworms	1.8 to 3.5 (0.67 to 0.3)
	SPECIFIC DIRECTIONS: On Apple period from full bloom until 30 days fruit thinning is desired. Use for pethis period also may result in fruit rer when eggs hatch or young nymphs apply when crawlers are present.	after full bloom unless esticidal activity during noval. For Psylla, apply
Apples Only, for fruit thinning	<u> </u>	1.2 to 3.5 (1 to 0.3)
	SPECIFIC DIRECTIONS: For ea apply 0.3 to 0.6 lb. per 100 gals. of ficult-to-thin varieties, apply 0.6 to 1 spray mixture. Apply between 10 bloom. Factors such as tree age, vous crop, pruning, bloom and degi sive fruit thinning with this product avoid possible yield reduction. Rate on variety and local orchard condition variety and local orchard condition variety and local orchard condition variety and local orchard conditions on any variety of Apples, the uversus benefits when using this prousing between 80% petal fall and 6 licious are more sensitive to this production of the varieties Bisbee, Red Chevery susceptible to conditions causicipitation and temperatures below 6 sibility of fruit deformity. The use well apply to the production of the period of the peri	spray mixture. For dif- 1.2 lbs. per 100 gals. of and 25 days after full variety, nutrition, previ- ree of set favor exces- at. Exercise caution to as may vary depending ond. ond. ond. ond. ond. ond. ond. ond.
		(Continued)

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Apples Only, for fruit thinning (Cont.)	and wetting agents may increase the and injury. Consult with fruit thinning for advice on using this product on under local growing conditions or of all restrictions on the use of this product.	ng experts in your area specific apple varieties ther questions. Observe

RESTRICTIONS: 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. Do not apply within 3 days of harvest. Do not apply more than a total of 17.6 lbs. of this product (15 paks) per acre per crop per year. Do not make more than a total of 8 applications per crop per year. 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 Apply thinning use, do not apply during bloom. Remove beehives from orchard to be treated before applying this product. Removing beehives from adjacent orchards will further minimize risk to bees.

SPRAY 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

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.

All members of the Stone Fruit Crop Group 12 including: Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh) Plumcot, Prune (fresh) Apple pandemis, Black cherry aphids, Cherry fruit flies), Codling moths, Cucumber beetles, Eastern tent caterpillars, Eyespotted bud moths, European earwigs, Fruittree leafrollers, Green fruitworms, Gypsy moths, Japanese beetles, June beetles, Lesser peachtree borers, Mealy plum aphids, Orange tortrix, Oriental fruit moths, Peach twig borers, Periodical cicadas, Plum curculios, Prune leafhoppers, Redbanded leafrollers, Rose chafers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershell scales, San Jose scales), Tarnished plant bugs, Tussock moths, Variegated leafrollers SPECIFIC DIRECTIONS: For best results on Scale, apply when crawlers are present. For Lesser peachtree borers, best results have been found by thoroughly spraying limbs and tree trunks at weekly intervals during moth flight. Peach twig borers, Scale insects (Brown soft scales, Cystershell scales, Olive scales, Oystershell scales, Olive scales, Oystershell scales, San Jose scales) [Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershell scales, San Jose scales)
Jose scales)

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
All members of the Stone Fruit Crop Group 12 including: Apricot, Cherry	SPECIFIC DIRECTIONS: Apply in commended dormant oil at the dormat timing. Refer to the dormant oil procuse directions and restrictions.	ant or delayed dormant luct label for additional
(including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh and dried) (Cont.)	CA ONLY: Black cherry aphids, Cherry fruitworms, Cherry maggots (Cherry fruit flies), Codling moths, Cucumber beetles, Eyespotted bud moths, European earwigs, Fruittree leafrollers, Green fruitworms, Mealy plum aphids, Orange tortrix, Oriental fruit moths, Peach twig borers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershell scales, San Jose scales), Tarnished plant bugs, Tussock moths	3.5 to 4.7 (0.3 to 0.25)
	SPECIFIC DIRECTIONS: Repeat a sary up to a total of 3 times per crop often than once every 14 days. An a the dormant or delayed dormant tim best results on Scale, apply when or	p per year but no more additional application at ning may be made. For

RESTRICTIONS: Do not apply more than a total of 10.6 lbs. of this product (9 paks) per acre per crop per year during the production season. Do not apply more than a total of 5.9 lbs. of this product (5 paks) per acre at the dormant or delayed dormant timing. Do not apply more than a total of 16.2 lbs. of this product (14 paks) per acre per crop per year.

All States except CA: Do not apply more than 3.5 lbs. of this product (3 paks) per acre per application during the production season. Do not apply within 3 days of harvest

CA Only: Do not apply more than 4.7 lbs. of this product (4 paks) per acre per application during the production season. Do not apply within 1 day of harvest.

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.

TREE NUT CROPS

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) at minimum 7-day intervals.

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, density and other factors.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Pistachios	Brown soft scales, Lecanium	3.5 to 5.9
	scales, Navel orangeworms	(0.3 to 0.2)
,	SPECIFIC DIRECTIONS: For Scale, apply who present.	
*	Scale insects	4.7 to 5.9
		(0.25 to 0.2)
	SPECIFIC DIRECTIONS: For dorm- timing, apply in combination with a ru- to the dormant oil product label for a and restrictions.	ecommended oil. Refer

RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply more than 5.9 lbs. of this product (5 paks) per acre per application. Do not apply more than a total of 17.6 lbs. of this product (15 paks) per acre per crop per year, including any application at the dormant or delayed dormant timing. 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.

TREE NUT CROPS (Cont.)		
Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
All members of the	Black margined aphids, Calico	2.4 to 5.9
Tree Nuts Crop	scales, Codling moths, European	(0.5 to 0.2)
Group 14 including:	fruit lecaniums, Fall webworms,	(0.0 10 0.2)
Almond, Beech nut,	Filbert aphids, Filbert leafrollers,	
Brazil nut,	Filbertworms, Frosted scales,	•
Butternut, Cashew,	Fruittree leafrollers, Hickory	
Chestnut	shuckworms, Lesser webworms.	•
Chinquapin, Filbert	Navel orangeworms, Peach twig	
(hazelnut), Hickory	borers, Pecan leaf phylloxeras,	
nut, Macadamia nut	Pecan stem phylloxeras, Pecan	
(bush nut), Pecan,	nut casebearers, Pecan	•
Walnut fincluding	spittlebugs, Pecan weevils, San	
black and English	Jose scales, Twig girdlers, Walnut	
(Persian) walnuts].	caterpillars	
(r cisian) wanutsj.		
	SPECIFIC DIRECTIONS: Use low	
·	tacking leaves. Use higher rates for	
	and for higher infestations. For Scale	
	are present. For Peach twig borers,	
	applications have been found by r	. • • •
	popcorn or petal fall stages when the	
	hatch. For Navel orangeworms in	
	best results have been found by tim	•
	son applications to correspond with	
	Filbert leafrollers, best results have	, ,
	applications when eggs are hatching	
	in first appearance of moths and ag	
	For Codling moths in Walnuts, best r	
	by making applications when average	
	ameters of developing nuts are 0.5	, •
	during middle or late June as neede	
	Chestnut weevils, European	4.7 to 5.9
· ·	earwigs	(0.25 to 0.2)
	SPECIFIC DIRECTIONS: For Che	stnut weevils, best re-
	sults have been found with 4 applic	ations at weekly inter-
	vals beginning in late July. The las	application should be
İ	made prior to shuck split. For Europ	ean earwigs, thorough
	coverage of trunks, branches and r	nuts is needed for best
	results.	
Almonds	Peach twig borers, Scale insects	4.7 to 5.9
-		(0.25 to 0.2)
1	SPECIFIC DIRECTIONS: For dorm	ant or delayed dormant
1	timing, apply in combination with a r	
	oil. Refer to the dormant oil product	
	directions and restrictions.	,
RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply more than		Do not apply more than
	this product (15 paks) per acre per cre	
	TION: 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	
I mak anakin ia bisasai	,	

product. Do not apply to target crop 4 days prior to bloom.

FORESTED AREAS AND RANGELAND TREES

Repeat applications as needed up to a total of 2 times per year at minimum 7-day (for foliar) and 6-month (for direct trunk treatment) intervals.

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

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated pe Water Soluble Pak
Non-urban forests,	Ants*, Apple aphids, Armyworms,	1.2
Tree plantations,	Ash whiteflies, Azalea leafminers,	(1)
Planted Christmas	Bagworms, Balsam twig aphids,	
rees, Parks, Rural	Birch leafminers, Blister beetles,	
shelter belts,	Boxelder bugs, Boxwood	
Rangeland trees	leafminers, Browntail moths,	
	Cankerworms, Catalpa sphinx,	
	Chiggers**, Cooley spruce gall	
	adelgids, Cutworms, Cypress tip	•
	moths, Douglas-fir tussock moths,	•
	Eastern spruce gall adelgids, Elm	
	leaf aphids, Elm leaf beetles, Elm	
,	spanworms, Eriophyid mites,	
	European pine shoot moths, Fall	
	armyworms, Flea beetles, Fuchia	
	gall mites, Fuller rose beetles,	
	Gall midges, Gall wasps,	
	Greenstriped mapleworms,	
	Grasshoppers, Hackberry	
	nipplegall makers, Holly bud	
	moths, Holly leafminers, Jackpine	
	budworms, Japanese beetles,	ı
	Jeffrey pine needleminers, June	-
	beetles, Lace bugs, Leafhoppers,	
	Leafrollers, Locust borers, Maple	
	leafcutters, Mealybugs, Mimosa	,
	webworms, Nantucket pine tip	
	moths, Oak leafminers, Oak	
	moths, Oak skeletonizers,	
•	Oakworm complex, Oleander	
	caterpillars, Olive ash borers,	
	Orangestriped oakworms,	
•	Periodical cicadas, Pine loopers,	
•	Pine sawflies, Pine spittlebugs,	
	Pitch pine tip moths, Plant bugs,	
	Poinsettia homworms, Psyllids,	i
	Puss caterpillars, Redhumped	
	oakworms, Rose aphids, Rose	
	chafers, Rose slugs, Saddled	1
	prominents, Sawflies (exposed),	
	Scale insects (crawlers),	
	Sowbugs, Spiney elm caterpillars,	
	Springtails, Spruce budworms,	•
	Spruce needleminers, Subtropical	
•	pine tip moths, Tent caterpillars,	'
	Thombugs, Thrips (exposed),	
	Walnut caterpillars, Webworms,	
	Western hemlock loopers,	
	Western spruce budworms,	
	Willow leaf beetles, Woolly gall	1
	aphids, Yellow-poplar weevils	
	SPECIFIC DIRECTIONS: Obtain	
	upper and lower leaf surfaces. The a	
•	improve product performance. To	
	trunks, stems and twigs in addition t	
	results on Worm, treat when pests	
•	against Maple leafcutters on Sugar	
	when larvae are in 2nd instar after n	
	being formed.	

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Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Non-urban forests, Tree plantations,	Gypsy moths	0.8 to 1.2 (1.4 to 1)
Planted Christmas trees, Parks, Rural shelter belts, Rangeland trees	SPECIFIC DIRECTIONS: Use the higher rate for heavy in- festations of Gypsy moths. Obtain thorough coverage of upper and lower leaf surfaces. The addition of a sticker may improve product performance.	
	Ticks.	1.2 (1)
	SPECIFIC DIRECTIONS: Will kill only Ticks present at time of application and directly contacted by product.	
	Elm bark beetles, Ips engraver beetles, Mountain pine beetles, Roundheaded pine beetles, Spruce beetles, Western pine beetles	2.8 ozs. per gal. (1 pak per 6.7 gals.)
	SPECIFIC DIRECTIONS: Direct Trunk Treatment – Effective as a preventative treatment only. Apply 1 gal. of spray per 50 sq. ft. 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. For Elm bark beetles, apply approximately 20 to 30 gals. of spray mixture for each 50 ft. of Elm tree for thorough coverage of all bark surfaces on trunks, limbs, and twigs.	

RESTRICTIONS: Observe "Plant Response Precautions". Do not use on syrupproducing Sugar maples where sap is harvested. Do not make more than 2 foliar applications and 2 direct trunk treatments per year. 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.

- * Except carpenter, harvester and Pharaoh.
- ** Will kill only pests that are present at the time of application and directly contacted by this product.

ORNAMENTAL TREES AND PLANTS

(REI: 12 hours; EXCEPTION: The REI is 18 days for Ornamentals grown for cuttings (cut flowers or cut foliage) where production is in outdoor areas and where average 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).)

Repeat applications as necessary up to a total of 6 times per year for foliar application and 2 times per year for direct trunk treatment at 7-day and 6-month intervals, respectively.

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

Crop	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Omamental Trees and Plants: Roses, Flowers, Other Herbaceous plants, Woody plants, Evergreens, Shrubs	Ants*, Apple aphids, Armyworms, Ash whiteflies, Azalea leafminers, Bagworms, Balsam twig aphids, Birch leafminers, Blister beetles, Boxelder bugs, Boxwood leafminers, Browntail moths, Cankerworms, Catalpa sphinx, Chiggers**, Cooley spruce gall adelgids, Cutworms, Cypress tip moths, Douglas-fir tussock moths, Eastem spruce gall adelgids, Elm leaf aphids, Elm leaf beetles, Elm spanworms, Enophyid mites, European pine shoot moths, Fall armyworms, Flea beetles, Fuchia gall mites, Fuller rose beetles, Gall midges, Gall wasps, Greenstriped mapleworms, Grasshoppers, Hackberry nipplegall makers, Holly bud moths, Holly leafminers,	1.2 (1)
	·	(Continued)

ORNAMENTAL TREES AND PLANTS (Cont.)

TRAMERIAL	I REES AND PLANTS (CON	(L)
		Lbs. of This
C===	Pest	Product Per Acre
Crop	rest	(Acres Treated per
	.*	Water Soluble Pak)
Omamental Trees	Jackpine budworms, Japanese	1.2
and Plants: Roses,	beetles, Jeffrey pine needleminers,	(1)
Flowers, Other	June beetles, Lace bugs,	(1)
Herbaceous plants	Leafhoppers, Leafrollers, Locust	
Woody plants,	borers, Maple leafcutters	
Evergreens, Shrubs	Mealybugs, Mimosa webworms,	
(Cont.)	Nantucket pine tip moths, Oak	
	leafminers, Oak moths, Oak	
	skeletonizers, Oakworm complex,	
•	Oleander caterpillars, Olive ash	
•	borers, Orange-striped oakworms,	
	Periodical cicadas, Pine loopers,	*
	Pine sawflies, Pine spittlebugs,	
	Pitch pine tip moths, Plant bugs,	
	Poinsettia hornworms, Psyllids,	
	Puss caterpillars, Redhumped	
•	oakworms, Rose aphids, Rose	
	chafers, Rose slugs, Saddled	
	prominents, Sawflies (exposed),	
*	Scale insects (crawlers), Sowbugs,	
	Spiney elm caterpillars, Springtails,	,
	Spruce budworms, Spruce	
	needleminers, Subtropical pine tip	
	moths, Tent caterpillars,	
	Thombugs, Thrips (exposed),	
	Walnut caterpillars, Webworms,	
	Western hemlock loopers, Western	
	spruce budworms, Willow leaf	
	beetles, Woolly gall aphids, Yellow-	
	poplar weevils	
	SPECIFIC DIRECTIONS: Obtain	thorough soverage of
	upper and lower leaf surfaces. The a	
	,	•
	improve product performance. To k	
	trunks, stems and twigs in addition to	, ,
	results on Worm, treat when pests	, ,
	against Maple leafcutters on Sugar	
٠	when larvae are in 2nd instar after m	lining and as cases are
•	being formed.	
	Gypsy moths	- 0.8 to 1.2
		(1.4 to 1)
	SPECIFIC DIRECTIONS: For Gyps	y moth, use the higher
	rate for heavy infestations. Obtain	
	upper and lower leaf surfaces. The a	
	improve product performance.	
	Ticks**	1.2
	1	(1)
•	Elm hark hooties the communication	
	Elm bark beetles, lps engraver	2.8 ozs. per gal.
	beetles, Mountain pine beetles,	(1 pak per 6.7 gals.)
	Roundheaded pine beetles,	
•	Spruce beetles, Western pine	
	beetles	l
	SPECIFIC DIRECTIONS: Direct T	runk Treatment - Ef-
	fective as a preventative treatment only. Apply 1 gal. of	
	spray per 50 sq. ft. of bark prior to Beetle flight or host-tree	
	attack, Treat tree trunk from ground	
	ameter is less than 5 inches. For Eln	
		·· ···································
		mixture for each 50 ft
	proximately 20 to 30 gals. of spray	

RESTRICTIONS: Observe "Plant Response Precautions". Do not use on syrup-producing Sugar maples where sap is harvested. Do not make more than a total of 6 foliar and 2 direct trunk treatments per year. 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.

- * Except carpenter, harvester and Pharaoh.
- ** Will kill only pests that are present at the time of application and directly contacted by this product.

TURFGRASS

(REI: Turigrass grown for Sod production [Sod farms] = 24 hours)
Do not apply more than a total of 18.8 lbs. of this product (16 paks) per acre per year. Do not apply by air or chemigation.

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

Apply the specified rates using ground pressure-type equipment in sufficient spray volume for thorough coverage and thatch penetration.

Сгор	Pest	Lbs. of This Product Per Acre (Acres Treated per Water Soluble Pak)
Golf turf, Sports	Ants*, Armyworms, Centipedes,	2.4 to 4.75
fields, Sod farms,	Chiggers, Cutworms, Earwigs,	(0.5 to 0.25)
Domestic and	Essex skippers, European	
Commercial lawns,	chafers, Fall armyworms, Fiery	
Cemeteries, Parks, Campsites,	skippers, Grasshoppers, Green June beetle larvae, Leafhoppers,	
Recreational areas	Luceme moths, Millipedes,	
1100.000	Mosquitoes (adults)**, Scarab	, .
	beetle adults (May beetles, June	.
	beetles, Japanese beetles, Green	
	June beetles), Sowbugs,	
	Spittlebugs, Springtails,	
	Yellowstriped armyworms	C. 4
,	SPECIFIC DIRECTIONS: For Arm Fall armyworm: Do not irrigate tre	
	hours following insecticide applica	
•	beetle grub (larvae), apply when Grubs are feeding near	
	the soil surface. Water or irrigate Turfgrass soon after treat ment.	
	Ticks**	1.2
	TIONS	(1)
	Centipedes**, Chiggers**,	4.75
	Earwigs**	(0.25)

RESTRICTION: Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days. 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.

* Except carpenter, harvester and Pharaoh.

**Will kill only pests that are present at the time of application and directly contacted by this product.

product.		
Golf turf, Sports	Chinch bugs, Sod webworms	7 to 9.4
fields, Sod farms,	(Lawn moths)	(1/6 to 1/8)
Domestic and Commercial lawns, Cemetenes, Parks, Campsites, Recreational areas	SPECIFIC DIRECTIONS: For Chinch bug, treat entire grass area rather than just damaged areas. Imgation prior to treatment will aid in penetration of insecticide into Turfgrass. Do not irrigate treated areas within 24 hours following insecticide application.	
	Bluegrass billbug larvae, European crane files, White grubs (such as Japanese beetles, Chafer beetles and Phyllophaga spp. larvae), Black turfgrass ataenius beetle larvae, Hyperodes weevils (Bluegrass weevil) larvae, Springtails	9.4 (¹ /e)
	SPECIFIC DIRECTIONS: For European crane fly: Treatments should be applied in early Spring (April 1 to April 15) or at timing as recommended by local Agricultural Extension Service Agents. For White grub: Apply when Grubs are feeding near the soil surface, usually during late March through May or July through early September or at timing as recommended by local Agricultural Extension Service	

RESTRICTIONS: Repeat applications as necessary up to 2 times per year but not more than once every 7 days. 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.

Water or irrigate turfgrass within 48 hours after treatment.

* Will kill only pest present at time of application and directly contacted by product

SPECIFIC PESTS ACROSS MULTIPLE SITES Grasshoppers

Crop	Pest	Lbs. of This Product Per Acre (AcresTreated per Water Soluble Pak)	
All crops on this label	on this Grasshoppers 0.6 to (2 to 0.		
	SPECIFIC DIRECTIONS: Apply 0.6 uct per acre for nymphs on small pl tion. Apply 1.2 to 1.8 lbs. of this prograsshoppers or applications to de spray volumes are appropriate to a age.	0.6 to 0.8 lb. of this prod- plants or sparse vegeta- oduct per acre for mature dense foliage. Be certain	

RESTRICTIONS: Refer to individual site listing elsewhere on this label for use limitations and restrictions. Do not use rates higher than listed for the site or exceed other use restrictions.

Ticks Which May Vector Lyme Disease

To kill juvenile and adult Ticks which may vector Lyme disease, apply the specified amount in sufficient volume for thorough coverage. Will kill only Ticks present at the time of application and directly contacted by product. Only up to 4 applications per year can be made.

Crop	Pest	Lbs. of This Product Per Acre (AcresTreated per Water Soluble Pak)
All crops/sites on	/xodes spp. (Deer ticks, Bear	1.2
this label including:	ticks, Black legged ticks),	(1)
Pastures, Forested	Amblyomma spp. (Lone star ticks)	
areas, Wasteland, Rights-of-Way, Hedgerows, Ditchbanks, Roadsides, Set- Aside and Conservation Reserve Program acreage, Ornamental Trees and Plants, Turfgrass*	SPECIFIC DIRECTIONS: To kill juve Spring or early Summer. Kill of Adult with late Summer of Fall applications perimeter areas where exposure to may be reintroduced from sumounding Retreat as necessary to maintain low	Ticks can be obtained s. Treat entire area and Ticks may occur. Ticks g areas on host animals.

RESTRICTIONS: Refer to individual site listings elsewhere on this label for use limitations and restrictions. Do not use rates higher than listed for the site or exceed other use restrictions. If product is used to kill Ticks on any use site listed on this label, the use rate must not exceed 1.2 lbs. of this product per acre (1 pak/A). Observe all use restrictions. Do not enter or allow others to enter treated areas until sprays have dried. Do not make more than 4 applications per year for Ticks.

 Broadcast applications to Turfgrass are permitted only on golf courses, cemeteries, and commercial landscapes. Applications to all other lawns or turf (residential settings) are limited to soot treatments.

Imported Fire Ants

Crop/Site	Pest	This Product Per Volume of Water
All crops/sites on	Imported fire ants	1 pak per 66.7 gals.
this label	SPECIFIC DIRECTIONS: Drench Approunds, apply a total of 2 gals. of the curface of each mound or at least 1 qual diameter using a bucket, can or other. Thoroughly wet mound and surroundin eter (12 sq. ft.). Do not disturb mound solution from a height of about 3 ft. to break mound apex and flow into ant tu apply in cool weather (65 to 80°F) or evening hours. Repeat application if n after 30 days. Treat new mounds as th sprays may disturb the Ants and cau product effectiveness.	itituted solution over the t per 6 inches of mound appropriate equipment. g areas to a 4-ft. diamprior to treatment. Pour give sufficient force to nnels. For best results, n early morning or late nound activity resumes ey appear. Pressurized se migration, reducing
	·	(Continued)



Imported Fire Ants (Cont.)

Crop/Site	Pest	This Product Per Volume of Water
All crops/sites on	Imported fire ants (foraging)	1 pak per 66.7 gals.
this label	SPECIFIC DIRECTIONS: Broadcast Use Only)*: Avoid contact with foliage a ing media when using on bedding plar than one application per year.	and treat only the grow-

RESTRICTIONS: Do not enter or allow others to enter treated areas until sprays have dried. For outdoor use only. Do not use in greenhouses.

Note: Do not use on any food crop not listed on this label. Refer to specific crop section for additional restrictions.

* Broadcast applications to Turfgrass are permitted only on golf courses, 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. Up to 4 applications can be made per year at minimum 7-day intervals.

Pest	Rate of This Product
Ants*, Bees*, Brown dog ticks*, Centipedes*, Cock- roaches*, Crickets, Darkling beetles (Lesser mealworms or Litter beetles), Earwigs, Firebrats, Fleas*, Millipedes, Scorpions*, Silverfish*, Spiders*, Wasps*	1 pak per 13 gals.

SPECIFIC DIRECTIONS: Observe "Plant Response Precautions". Apply as a coarse, wet spray in a band 6 to 10 ft. 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 structure 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: Do not make more than 4 applications per year. Do not enter or allow others to enter treated areas until sprays have died.

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 (e.g., 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 pest present at time of application and directly contacted by product

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not allow storage in a damp or humid area. Do not stack over 2 pallets high. Move bags carefully so as not to tear or puncture. Do not move from one area to another unless they are securely sealed to prevent dust from escaping. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Avoid contamination with acids and alkalies. Store in original containers only. If the contents are leaking or material is spilled, follow these steps while wearing protective equipment.

- 1. Collect and place in suitable containers for disposal.
- 2. Wash area with soap and water to remove remaining pesticides.
- 3. Follow washing with clear water rinse.
- 4. Do not allow runoff to enter sewer or contaminate water supplies.
- 5. Dispose of waste as indicated below:

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

CONTAINER DISPOSAL:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with carbaryl only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.