

Carbaryl 4L

Insecticide

Intended For Agricultural or Commercial Use.

ACTIVE INGREDIENT:

 Carbaryl
 43.4%

 OTHER INGREDIENTS:
 56.6%

 TOTAL:
 100.0%

This product contains 4 pounds of Carbaryl per gallon.

CAUTION

See FIRST AID Below SHAKE WELL BEFORE USING

[Optional: RECIRCULATE CONTENTS BEFORE USE]

ATTENTION: This product contains a chemical known to the state of California to cause cancer.

EPA Reg. No. 19713-49 EPA Est. No. 19713-XX-XXX

Net Content:

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 ON SKIN OR CLOTHING:

- · Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- · Call a poison control center or doctor for treatment advice.

IF INHALED:

- · Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

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 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.

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing spray mist. Avoid contact with skin, 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 or headache.

IN SEVERE CASES, CONVULSIONS, UNCONSCIOUSNESS, AND RESPIRATORY FAILURE MAY OCCUR. SIGNS AND SYMPTOMS MAY 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 quarts 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 NIOSH/MSHA 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 a chemical-resistant apron when mixing, loading or cleaning up spills or equipment. In addition, mixers and loaders supporting aerial or chemigation applications must 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.

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.

Manufactured By:

Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]. Applicators using airblast equipment for application to Citrus in California and for wide area mosquito adulticide applications 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 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
- store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

Human flagging is prohibited, except for flagging to support ultra low volume aerial applications for Rangeland Grasshopper and Mormon Cricket Suppression through the Animal and Plant Health Inspection Service (APHIS) Program or affiliated state programs. Flagging to support aerial application for all other use patterns is limited to the use of Global Positioning System (GPS) or mechanical flaggers.

Flaggers supporting ultra low volume aerial applications for Rangeland Grasshopper and Mormon Cricket Suppression through APHIS program or affiliated state programs 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, flaggers must:

- · wear long-sleeved shirt, long pants, shoes, and socks;
- either wear 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 or use an enclosed cab that is declared in writing by the manufacturer or by 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: chemical-resistant gloves and chemical-resistant headgear, and, if using an enclosed cab that provides respiratory protection, a respirator of the type specified above;
- take off any PPE that was worn in the treated area before reentering the cab; and
- store all such PPE in a chemical-resistant container, such as 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 thoroughly 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 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.

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.

Limiting applications 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 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 to 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 chemicalresistant 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, nurseries or greenhouses. Do not enter or allow others to enter the treated area until sprays have dried.

USE INFORMATION

CARBARYL 4L Insecticide is a suspension of microfine carbaryl insecticide in an aqueous medium. It readily disperses in water to form a spray which may be applied by air or ground.

PLANT RESPONSE PRECAUTIONS: Application to wet foliage or during period 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.

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 crop for which carbaryl tolerances are not established.

APPLICATION INFORMATION

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, 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 moths, 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

To assure a uniform suspension, agitate, stir or recirculate all containers of this product prior to use. Remove oil, rust, scale, pesticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water. Fill spray or mix tank with one-half to three-fourths the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of this product and then the remaining volume of water. Include rinse water from container. Prepare only as much spray mixture as can be applied on the day of mixing. Maintain continuous agitation during mixing and application to assure a uniform suspension. Do not store spray mixture for prolonged periods or degradation of carbaryl may occur. Local water conditions may also accelerate the degradation of spray mixtures containing carbaryl. See the following "COMPATIBILITY INFORMATION".

COMPATIBILITY INFORMATION

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 mixtures with strong bases, such as Bordeaux, lime-sulfur and casein-lime spreaders and 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. The flow rate of this product diluted 1:1 with water is similar to water. 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.

Aerial Application: For adequate distribution, use at least 10 gallons of spray mixture per acre for application to tree and orchard crops or at least 2 gallons of spray mixture per acre for application to other crops. EXCEPTION: For use on Rangeland as a pest management approach for grasshoppers under the Reduced Area and Agent Treatment (RAATs) program only, use at least 16 fl. ozs. of finished spray mixture per acre for aerial application.

Sprinkler Irrigation Systems: Apply this product only through sprinkler irrigation systems including center pivot and solid set. Do not apply this product through any other type of irrigation system.

Spray Preparation: First prepare a suspension of this product in a mix tank. Fill tank with one-half to three-fourths the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of this product and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label per 1 to 4 gallons of water are recommended.) Then set sprinkler to deliver 0.1 to 0.3 inches of water per acre. Start sprinkler and uniformly in-

ject the suspension of this product into the irrigation water line so as to deliver the desired rate per acre. The suspension of this product should be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. If you should have any other questions about calibration, you should contact your State Extension Service Specialists, equipment manufacturers or other experts.

Note: When treatment with this product has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

Applications Through Sprinkler Irrigation Systems:

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

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

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

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

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

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

SPECIFIC USE DIRECTIONS

Crop/Site Groupings: Asparagus, Brassica leafy vegetable crops, Cereal grain crops (Field and Popcorn, 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 (Eggplant, Peppers, Tomato), Leafy vegetables (Dandelion, Endive, Lettuce, Parsley, Spinach, Leaf Petiole Subgroup 4B), Legume vegetables (Edible-Podded Legume Vegetables; Dried Shelled Pea and Bean (except Soybean); Soybean; Foliage of Legume Vegetables), Non-cropland (Conservation Reserve Program, Ditchbanks, Hedgerows, Rights-of-way, Roadsides, Set-Aside Program Acreage, Wasteland), Okra, Peanuts, Prickly pear cactus, Root and Tuber crops, Sugar beets, Sweet potatoes, Small Fruits and Berries (Bushberries, Caneberries, Cranberries, Grapes, Strawberries), Sunflowers, 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, and 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 product performance.

REI = Restricted Entry Interval.

ASPARAGUS

Crop	Pest	This Product Per Acre (qts.)
Asparagus	Apache cicadas, Asparagus beetles, Cutworms	1
	SPECIFIC DIRECTIONS: Apply prior to applications as necessary up to a total or harvest or a total of 5 applications per year ferns combined. Do not apply more that days. Do not apply within 1 day of harvest this product is most effective against specon the upper portions of the plant.	f 3 times prior to ar to spears and an once every 3 st. For Cutworm,
	Apache cicadas, Asparagus beetles, Cutworms	2
	SPECIFIC DIRECTIONS: Applications Apply to ferns or brush growth follow spears. Repeat applications as necess 7 day intervals. Do not make more than plications per year to spears and ferns	ving harvest of ary at minimum a total of 5 ap-
RESTRICTIONS: BEE CAUTION: Do not apply this product to target		

BRASSICA (LEAFY VEGETABLES)

crops or weeds in bloom.

Repeat applications as needed up to a total of 4 times per year at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
All members of the Brassica leafy vegetable Group 5	Flea beetles, Harlequin bugs, Leafhoppers	0.5 to 1
including: Broccoli, Broccoli raab (rapini), Brussels sprouts, Cauliflower, Cabbage, 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	Armyworms, Aster leafhoppers, Corn earworms, Diamondback moth, Fall armyworms, Imported cabbageworms, Lygus bugs, Spittlebugs, Stink bugs, Tarnished plant bugs	1 to 2

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

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 including Broccoli raab (rapini), Chinese cabbage (bok choy), Collards, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens, do not apply within 14 days of harvest. Application is only permitted within 30 days from date of crop emergence or the date of transplanting. Do not apply more than a total of 6 qts. per acre per crop per year.

CEREAL GRAIN CROPS

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

Repeat applications as needed up to a total of 4 times per year at minimum 14 day intervals. Good timing and good coverage are essential for effective product performance.

or effective product performance.			
Crop	Pest	This Product Per Acre (qts.)	
Field corn, Popcorn	Armyworms, Chinch bugs, Corn earworms, Corn rootworm adults, Fall armyworms, Flea beetles, Japanese beetles, Sap beetles, Southwestern corn borers, Leafhoppers	1 to 2	
	SPECIFIC DIRECTIONS: For best results on Chinch bug, use ground equipment to apply at least 20 gals. of water per acre and direct spray toward stalk to provide thorough coverage.		
	European corn borers	1.5 to 2	
	SPECIFIC DIRECTIONS: For best results on European corn borer, do not apply in less than 3 gals. of water per acre by air and 15 gals. of water by ground.		
	Cutworms, Western bean cutworms	2	
	SPECIFIC DIRECTIONS: For Cutworm, apply in a 12-inch busing sufficient volume of wat ough coverage. For broadcas at least 20 gals. by ground or acre. For Cutworm, this produc against species which feed on to the plant. For Western bear when infestation averages 19, 100% tassel emergence. Trea silk emergence will reduce effective sufficient to the cut with the cut wit	and over the row er to obtain thor- t application, use 5 gals. by air per t is most effective the upper portions n cutworms, treat 5% and at 90 to tment after 100%	
RESTRICTIONS:	BEE CALITION: If application c	annot be avoided	

RESTRICTIONS: 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 more than a total of 8 qts. 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 forage or silage.

Prohibition: Do not enter or allow workers to enter treated areas to perform hand detasselling tasks 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 at minimum 3 day intervals. 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 (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	This Product Per Acre (qts.)
Sweet	Armyworms, Chinch bugs, Corn earworms, Corn rootworm adults, Fall armyworms, Flea beetles, Japanese beetles, Leafhoppers, Sap beetles, Southwestern corn borers	1 to 2
	SPECIFIC DIRECTIONS: For best robug, use ground equipment to apply a water per acre and direct spray towar thorough coverage.	t least 20 gals. of
		(Continued)

(Cont.)		
Crop	Pest	This Product Per Acre (qts.)
	European corn borers	1.5 to 2
	SPECIFIC DIRECTIONS: For best res	ults on European
	corn borer, do not apply in less than 3 gals. of water per acre by air and 15 gals. of water by ground.	
Sweet	Cutworms, Western bean cutworms	2
corn	SPECIFIC DIRECTIONS: For best resapply in a 12-inch band over the row volume of water to obtain thorough broadcast application, use at least 20 or 5 gals. by air per acre. For Cutworn most effective against species which for portions of the plant. For Western beawhen infestation averages 15% and a sel emergence. Treatment after 100% will reduce effectiveness.	using a sufficient h coverage. For 0 gals. by ground m, this product is feed on the upper n cutworms, treat t 90 to 100% tas-

RESTRICTIONS: 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 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 16 qts. per acre per crop per year. **Prohibition:** 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 at minimum 7 day intervals. Direct spray into forming heads for best results on of insects attacking heads.

Crop	Pest	This Product Per Acre (qts.)
Grain sorghum	Armyworms, Chinch bugs, Corn earworms, Fall armyworms, Stink bugs, Webworms	1 to 2
	SPECIFIC DIRECTIONS: For best results on Chinch bug, use high gallonage ground application at the base of the plants.	
	Southwestern corn borers	1.5
	Cutworms	2
	SPECIFIC DIRECTIONS: For Cutworm, this prod- uct is most effective against species which feed on the upper portions of the plant.	

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

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 6 qts. per acre per crop per year.

Rice

Up to 2 applications can be made per year per crop at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Rice	Armyworms, Chinch bugs, Fall armyworms, Leafhoppers, Stink bugs	1 to 1.5
	SPECIFIC DIRECTIONS: Up to 2 applications per per year may be made, but not more often than every 7 days.	
	Tadpole shrimp (CA Only)	1.5
	SPECIFIC DIRECTIONS: For best shrimp, apply to water when pest fi	

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

Do not apply within 14 days of harvest for grain or straw. Do not apply more than a total of 3 qts. per acre per crop per year. Discharge from 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 may result.

CUCURBIT VEGETABLES

Repeat applications as necessary up to a total of 6 times per year at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
All members of the Cucurbit Vegetables	Melonworms, Pickleworms	0.5 to 1
Crop Group 9 including: Momordica spp. (includes Balsam apple, Balsam pear, Bitter melon,	Cucumber beetles, Flea beetles, Leafhoppers, Squash bugs	1
Chinese cucumber), Chayote, Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Edible gourd (includes hyotan, cucuzza, hechima, Chinese okra), Muskmelon (includes hybrid 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, 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, and Spaghetti squash), Watermelon (includes	SPECIFIC DIRECTIC sults on of Squash becient spray volume coverage and time morning or late aftern	ougs, apply suffi- e for thorough sprays for early
hybrids and/or varieties of Citrullus lanatus) RESTRICTIONS: Do not app	bly within 3 days of han	vest. Do not apply

RESTRICTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 6 qts. per crop per acre per year. Observe "PLANT RESPONSE PRECAUTIONS". BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

FLAX

Up to 2 applications can be made per crop per year at minimum 14 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Flax (Except CA)	Armyworms	1 to 1.5

RESTRICTIONS: Do not use in California. Do not apply within 42 days of harvest for seed or straw. Do not apply more than a total of 3 qts. per acre per crop per year. BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

FORAGE CROPS

Alfalfa, Birdsfoot Trefoil, Clovers

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

Crop	Pest	This Product Per Acre (qts.)
Alfalfa, Birdsfoot trefoil,	Blister beetles, Mexican bean beetles	0.5 to 1
Clover	Alfalfa caterpillars, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafhoppers, Potato leafhoppers, Three-cornered al- falfa hoppers, Thrips, Vel- vetbean caterpillars	1
Alfalfa, Birdsfoot trefoil, Clover	Alfalfa blotch leafminers, Armyworms, Cloverhead weevils, Corn earworms, Cutworms, Egyptian alfalfa weevil larvae, Essex skippers, European alfalfa beetles, Fall armyworms, Lygus bugs, Stink bugs, Webworms, Yellowstriped armyworms	1 to 1.5
	SPECIFIC DIRECTIONS: For Cutworm, this prod- uct is most effective against species which feed on the upper portions of the plant.	
	Alfalfa weevil larvae (West of the Rocky Mountains)	1 to 1.5
	SPECIFIC DIRECTIONS: For Alfalfa weevil larvae, if pre-treatment damage is extensive, cut Alfalfa and treat the stubble. This product is not effective against adult Alfalfa weevils.	
	Alfalfa weevil larvae (East of the Rocky Mountains)	1.5
	SPECIFIC DIRECTIONS: For Al vae, if pre-treatment damage is e falfa and treat the stubble. This effective against adult Alfalfa wee	xtensive, cut Alsproduct is not evils.

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom. Observe *PLANT RESPONSE PRECAUTIONS*". Do not apply more than once per cutting per year. Do not apply within 7 days of harvest or grazing. Do not exceed 1.5 qts. per acre per cutting. Carbaryl may cause temporary bleaching of tender Alfalfa foliage.

Pastures and Grasses Grown for Hay and/or Seed

Up to 2 applications per year can be made at minimum 14 day intervals. Accurately mark swaths to avoid overapplication.

•	• • •	
Crop	Pest	This Product Per Acre (qts.)
Pasture and Grasses grown for hay and/or seed	Armyworms, Cereal rust mite, Chinch bugs, Essex skippers, Fall armyworms, Striped grass loopers, Thrips, Range caterpil- lars, Range crane flies	1 to 1.5
	SPECIFIC DIRECTIONS: To kill Thrips in grasses grown for hay and/or seed, use high spray pressure to improve penetration into the boot.	
	Ticks	1
	SPECIFIC DIRECTIONS: Will kill only Ticks present at the time of application and directly contacted by product.	
RESTRICTIONS: BEE CAUTION: Do not apply this product to target		
crops or weeds in bloom.		

Do not apply within 14 days of harvest or grazing. Do not exceed a

total of 3 qts. per acre per year.

RANGELAND

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

Site	Pest	This Product Per Acre (qts.)
Rangeland	Black grass bugs, Range caterpillars, Range crane flies	0.5 to 1
	Grasshoppers, Mormon crickets	0.5
	SPECIFIC DIRECTIONS: Aerial application is allowed only through USDA APHIS and affiliated state grasshopper and Mormon cricket suppression programs. Reduced Area and Agent Treatment (RAATs) is required. See the following website for details: www.sidney.ars.usda.gove/Research/lockwood.htm. Ticks 1 SPECIFIC DIRECTIONS: Will only kill Ticks present at	
	the time of application and directly co	ontacted by product.

RESTRICTIONS: BEE CAUTION: Do not apply to target crops or weeds in bloom.

May be harvested or grazed the same day of treatment. Do not apply more than 1 qt. per acre per crop per year.

FRUITING VEGETABLES

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

Crop	Pest	This Product Per Acre (qts.)
All members of the Fruiting Vegetables Crop Group 8 including: Eggplant, Groundcherry, Pepinos, Pepper (includes: bell pepper, chili pepper, cooking 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 to 2
pimento, sweet pepper), Tomatillo, Tomato	SPECIFIC DIRECTIONS: age is essential to effective bugs.	O .
	Flea beetles, Leafhoppers	0.5 to 1
	Cutworms SPECIFIC DIRECTIONS: product is most effective aga feed on the upper portions of the second secon	ainst species which

RESTRICTIONS: BEE CAUTION: Do not apply to target crops or weeds in bloom.

Do not apply within 3 days of harvest. Do not apply more than a total of 8 qts. per acre per crop per year.

LEAFY VEGETABLES

Repeat applications as necessary up to a total of 5 times per year at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Dandelion, Endive (escarole), Lettuce	Flea beetles, Harlequin bugs, Leafhoppers	0.5 to 1
(head and leaf), Parsley, Spinach, and	Armyworms, Aster leafhoppers, Corn	1 to 2
All members of the Leaf Petioles Vegetables Subgroup 4B including: Cardoon, Celery, Celtuce, Chinese celery, Florence fennel (including sweet anise, sweet fennel, Finocchio), Rhubarb, Swiss chard	earworms, Fall armyworms, Imported cabbageworms, Lygus bugs, Spittlebugs, Stink bugs, Tarnished plant bugs	

RESTRICTIONS: BEE CAUTION: Do not apply to target crops or weeds in bloom.

Do not apply within 14 days of harvest. Do not apply more than a total of 6 qts. per acre per crop per year.

LEGUME VEGETABLES

Repeat applications as necessary up to a total of 4 times per year at minimum 7 day intervals. Use lower rates for light to moderate populations and smaller instars. Use the higher rates for heavy populations and larger instars.

Use on fresh/succulent shelled beans and peas (Crop Subgroup 6B) is prohibited.

pronibited.			
Crop	Pest	This Product Per Acre (qts.)	
All members of the Edible Podded Legume Vegetables Crop Subgroup 6A including: Phaseolus spp. including Runner bean, Snap bean, and Wax bean; Vigna spp.	Bean leaf beetles, Blister beetles, Cucumber beetles, Grape colapsis, Green cloverworms, Japanese beetles, Mexican bean beetles, Velvetbean caterpillars	0.5 to 1.0	
including Asparagus	Corn earworms	0.5 to 1.5	
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	Alfalfa caterpillars, Colorado potato beetles, Flea beetles, Leafhoppers, Threecornered alfalfa hoppers, Thrips, Western bean cutworms	1	
(immature seed); Sword bean All members of the Dried Shelled Legume Vegetables (except soybeans) Crop	Armyworms, Cutworms, European corn borers, Fall armyworms, Stink bugs, Tarnished plant bugs, Webworms SPECIFIC DIRECTIONS this product is most e		
Subgroup 6C including: Lupinus spp.	species which feed on the of the plant.	J	

(Continued)

(Cont.)		
Crop	Pest	This Product Per Acre (qts.)
including Grain lupin, Sweet lupin, White lupin, and White sweet lupin; <i>Phaseolus</i> spp. including Field bean, Kidney bean, dry Lima bean, navy bean, pinto bean, tepary bean; Vigna spp. including Adzuki bean, Black-	Alfalfa loopers (suppression), Cowpea curculios (suppression), Painted ladies (Thistle caterpillars), Pea leaf weevils, Pea weevils, Saltmarsh caterpillars, Woollybear caterpillars, Yellowstriped armyworms	1.5
eyed 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) (DO NOT USE ON	CA ONLY: Corn earworms (suppression), Limabean podborers (suppression), Lygus bugs (suppression), Stink bugs (suppression)	1.5
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; and Soybeans		

RESTRICTIONS: 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 6 qts. 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. 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 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 48 hours before product is applied will allow them to take additional steps to protect their bees.

NON-CROPLAND

Up to 2 applications can be made per year at minimum 14 day intervals. Accurately mark swaths to avoid overapplication.

Site	Pest	This Product Per Acre (qts.)
Conservation Re-	Black grass bugs	0.25 to 0.5
serve Program		(0.2 to
Acreage, Set-Aside		0.4 fl. oz./
Program Acreage,		1,000 sq.ft.)
Wasteland, Rights-	Range caterpillars,	0.5 to 1.0
of-Way, Hedge	Range crane flies	(0.4 to
rows, Ditchbanks,		0.75 fl. oz./
Roadsides		1,000 sq. ft.)
	Mormon crickets	0.5 (0.4 fl. oz.
		per 1,000 sq. ft.)
	Ticks	1
		(0.75 fl. oz./
		1,000 sq. ft.)
	SPECIFIC DIRECTIONS	: Will kill only Ticks
	present at the time of application and directly	
	contacted by product.	
PESTPICTIONS: Do not apply within 14 days of grazing or harvest		

RESTRICTIONS: Do not apply within 14 days of grazing or harvest for forage or hay. Do not apply more than a total of 3 qts. per acre per year. BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

OKRA

Up to 4 applications can be made per year at minimum 6 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Okra	Corn earworms, Stink bugs	1 to 1.5
(Except CA)	SPECIFIC DIRECTIONS: Apply using ground equipmen in sufficient volume to ensure good coverage. Fo Grasshopper, refer to the "SPECIFIC PESTS ACROSS MULTIPLE SITES" section.	

RESTRICTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 6 qts. per acre per crop per year. BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

PEANUTS

Repeat applications as necessary up to a total of 5 times per year at minimum 7 day intervals.

Crop	Pest	This Prod- uct Per Acre (qts.)
Peanuts	Blister beetles, Mexican bean beetles	0.5 to 1
	Alfalfa caterpillars, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafhoppers, Red-necked peanutworms, Three-cornered alfalfa hoppers, Thrips, Velvetbean caterpillars	1
	SPECIFIC DIRECTIONS: For best results on Thrips, use directed or banded sprays with hollow cone spray nozzles. Ensure adequate coverage for the underside of leaves	
	Armyworms, Corn earworms, Fall armyworms, Stink bugs, Webworms	1 to 1.5
	Whitefringed beetle adults, Cutworms	2
	SPECIFIC DIRECTIONS: For Cutworm, this product is most effective against species which feed on the upper portions of the plant.	
RESTRICTIONS : Observe "PLANT RESPONSE PRECAUTIONS".		

Do not apply within 14 days of harvest. Do not apply more than a total of 8 qts. per acre per crop per year. BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

PRICKLY PEAR CACTUS

Apply using ground equipment in sufficient volume to ensure good coverage. Up to 3 applications can be made per year at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Prickly pear	Cochineal scales (crawlers)	2
cactus (Except CA)	SPECIFIC DIRECTIONS: For Gra the "SPECIFIC PESTS ACROSS IN section.	sshopper, refer to MULTIPLE SITES"

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

Do not apply within 3 days of harvest. Do not apply more than a total of 6 qts. per acre per year.

ROOT AND TUBER CROPS

(EXCEPT SUGAR BEETS AND SWEET POTATOES)

Repeat applications as necessary up to a total of 6 times per year at minimum 7 day intervals.

All members of the Root and Tuber Vegetables Crop Group 1 except sugar beets and sweet potatoes: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chervil (turniprooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea), Yam (true)	Crop	Pest	This Product Per Acre (qts.)
etables Crop Group 1 except sugar beets and sweet potatoes: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chayote (root), Chervil (turniprooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),		· ·	0.5 to 1
except sugar beets and sweet potatoes: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chervil (turniprooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	•	- ''	
and sweet potatoes: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chervil (turniprooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),		· · ·	1 to 2
Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chayote (root), Chervil (turniprooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),			
Artichoke (Chinese and Jerusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chayote (root), Chervil (turniprooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	•		
Serusalem), Beet (sugar, root), Burdock (edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chayote (root), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	`	,	
(edible), Canna (edible, Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chayote (root), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	,,	,	
Queensland arrowroot), Carrot, Cassava (bitter & sweet), Celeriac (celery root), Chayote (root), Chervil (turniproted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniproted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	, ,,	· '	
& sweet), Celeriac (celery root), Chayote (root), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),		armyworms, Lace	
ery root), Chayote (root), Chervil (turnip-rooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turnip-rooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	Carrot, Cassava (bitter		
(root), Chervil (turnip- rooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turnip- rooted), Parsnip, Po- tato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Span- ish), Skirret, Tanier (co- coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	, .	, ,	
rooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	, , ,		
Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Parsley (turniprooted), Parsnip, Potato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),			10.5.0
Clinserig, Horseradish, Leren, Parsley (turnip- rooted), Parsnip, Po- tato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Span- ish), Skirret, Tanier (co- coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	,,		
rooted), Parsnip, Po- tato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Span- ish), Skirret, Tanier (co- coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	0.	· •	
tato, Radish, Oriental radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),		l '	are apper pertions
radish (daikon), Rutabaga, Salsify (black), Salsify (oyster plant), Salsify (Span- ish), Skirret, Tanier (co- coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	, ,		
(black), Salsify (oyster plant), Salsify (Spanish), Skirret, Tanier (cocoyam), Turmeric, Turnip, Yam bean (jicama, manoic pea),	, , , , , , , , , , , , , , , , , , ,		
plant), Salsify (Span- ish), Skirret, Tanier (co- coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	Rutabaga, Salsify		
ish), Skirret, Tanier (co- coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	, , , , , , , , , , , , , , , , , , , ,		
coyam), Turmeric, Turnip, Yam bean (ji- cama, manoic pea),	. ,		
Turnip, Yam bean (ji- cama, manoic pea),	, .		
cama, manoic pea),			
Yam (true)	1 /		
PECTRICALON DEF CALIFICAL De code de la lactical de la company	Yam (true)		

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

Do not apply within 7 days of harvest. Do not apply more than a total of 6 qts. per acre per crop per year.

SMALL FRUITS AND BERRIES

(REI for Grapes Only–West of the Rocky Mountains = 6 days; East of the Rocky Mountains = 2 days for all activities except for grape girdling and cane turning. The REI is 6 days for grape girdling and cane turning.)

Repeat applications as necessary up to a total of 5 times per year at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
All members of the	European fruit	1 to 2
Caneberry Crop	lecaniums,	
Subgroup 13-07A	European raspberry	
including: Blackberry	aphids, Flea beetles,	
(Rubus spp. including	Grape leaffolders,	
Andean blackberry, Artic	Grape leafrollers,	
blackberry, bingleberry,	Japanese beetles,	
black satin berry,	Leafhoppers,	
boysenberry,	Leafrollers, Meadow	
Brombeere, California	spittlebugs,	
		(Continued)

(Cont.)		
Crop	Pest	This Product Per Acre (qts.)
blackberry, Cherokee blackberry, Chesterberry, Cheyenne 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,	Omnivorous leaftiers, Rose chafers, Snowy tree crickets, Strawberry bud weevils, Strawberry clippers, Strawberry fruitworms, Strawberry leafrollers, Strawberry weevils, Western grapeleaf skeletonizers, Western yellowstriped armyworms SPECIFIC DIRECTIO Grape leaffolder, app brood larvae emerge	ly before the first
Rossberry, Shawnee blackberry, Southern dewberry, Tayberry, Youngberry, Zarzamora plus cultivars, varieties and/or hybrids of these); Raspberry (<i>Rubus</i> spp. including Bababerry, black and red raspberry, Blackcap, Caneberry, Framboise, Frambueso,	Blueberry maggots, Cherry fruitworms, Cranberry fire- worms, Cranberry fruitworms, Cranberry twig girdlers, Elm spanworms, Gypsy moths, Sparganothis fruitworms, Tarnished plant bugs	1.5 to 2
Himbeere, Keriberry, Mayberry, Purple raspberry, Thimbleberry, Tulameen, Wild raspberry, Yellow raspberry plus cultivars, varieties and/or hybrids of these). All members of the Bushberry Crop Subgroup 13-07B including: Aronia berry,	Eightspotted foresters, Cutworms, Grape berry moths, June beetles, Omnivorous leafrollers, Orange tortrix, Raspberry fruitworms, Raspberry sawflies, Redbanded leafrollers, Saltmarsh caterpillars	2
Blueberry (Vaccinium spphighbush, lowbush and cultivars, and/or hybrids of these [=blueberry species]), Chilean guava, Currant (black, buffalo, native, red), European barberry, Elderberry, Gooseberry, Highbush cranberry, Honeysuckle (edible), Jostaberry, Huckleberry, Juneberry, Lingonberry, Salal, Sea buckthorn, plus varieties and/or hybrids of these. Cranberries; Grapes; Strawberries	SPECIFIC DIRECTIO this product is most species which feed on of the plant.	effective against

RESTRICTIONS: 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 within 7 days of harvest. Do not apply more than a total of 10 qts. per acre per crop per year.

Note: Use on 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. In Grapes, do not concentrate spray on the bunch or visible residues may result.

SUGAR BEETS

Repeat applications as necessary up to a total of 2 times per year at minimum 14 days intervals.

Crop	Pest	This Product Per Acre (qts.)
Sugar beets	Armyworms, Beet leaf beetles, Fall armyworms, Flea beetles, Leafhoppers, Webworms	1 to 1.5
	Cutworms	1.5
	SPECIFIC DIRECTIONS: F product is most effective agai feed on the upper portions of	nst species which

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

Do not apply within 28 days of harvest of roots or forage. Do not apply more than a total of 3 qts. per acre per crop per year.

SUNFLOWERS

Up to 2 applications can be made per year at minimum 7 day intervals

Crop	Pest	This Product Per Acre (qts.)
Sunflowers (Except CA)	Stem weevils, Sunflower beetles	1 to 1.5
	Armyworms, Cutworms, Fall armyworms, Sunflower moths	1.5
	SPECIFIC DIRECTIONS: F product is most effective which feed on the upper por	against species

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

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 qts. per acre per crop per year.

SWEET POTATOES

Up to 8 foliar applications can be made per year at minimum 7 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Sweet potatoes	Corn earworms, Cucumber beetles, Flea beetles, Sweet potato hornworms, Sweet potato weevils, Tortoise beetles, Whitefringed beetles	1 to 2
	Yellowstriped armyworms	2

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

Do not apply within 7 days of harvest. Do not apply more than a total of 8 qts. per acre per crop per year.

TOBACCO (REI = 48 hours)

Plant Bed and Field Treatment – Repeat treatments as necessary up to a total of 4 times per year at minimum 7 day intervals. 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.

Crop	Pest	This Product Per Acre (qts.)
Tobacco	Budworms, Fall armyworms, Hornworms, Japanese beetles, June beetles, Suckflies, Tobacco flea beetles	1 to 2

RESTRICTIONS: Do not apply within 2 days of harvest. Do not apply more than a total of 8 qts. per acre per crop per year. Observe "PLANT RESPONSE PRECAUTIONS". BEE CAUTION: Do not apply this product to target crops or weeds in 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 severity, the tree condition, size, density and other factors.

Citrus

(REI for Citrus in All States Other Than CA = 12 hours)

(REI for Citrus in CA = 3 days for application rates greater than or equal to 5 qts. per acre)

Repeat applications as necessary up to a total of 8 times per year at minimum 14 day intervals.

Crop	Pest	This Product Per Acre (qts.)
All members of the Citrus Fruit Crop Group 10 includ- ing: Calamondin, Citrus citron, Citrus hybrids (Citrus spp.,	Avocado leafrollers, California orangedogs, Citrus cutworms, Fruit- tree leafrollers, Orange tortrix, Western tussock moths	2 to 3
includes chironja, tangelo and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (sweet and sour), Pummelo, Tangelo, Satsuma mandarin, White sapote (<i>Casimiroa</i> spp.) and other cultivars and/or hybrids of these.	Citrus rust mites, Erio- phyid mites, Plant bugs, Scale insects (Black scales, Brown soft scales, California red scales [except in CA], Citrus snow scales, Yellow scales [except in CA]) SPECIFIC DIRECTIONS when crawlers are present phyid mites, including Citr when pest populations are	t. For results on Erio- rus rust mites, apply
	Apopka weevils (adult), Citrus root weevils (adults), Fuller rose beetles, Little leaf notchers (adult)	5
	CA Only: California red scales, Yellow scales	5 to 12
	SPECIFIC DIRECTIONS than 1 application per cro California red scale. Applipresent.	p per year in CA for y when crawlers are

RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom. Mowing weed or cover crop bloom prior to application will reduce hazard to bees.

Do not apply within 5 days of harvest. Do not apply more than a total of 20 qts. per acre per crop per year in all states including CA.

All States except CA: Do not apply more than 5 qts. per acre per application.

CA Only: Do not apply more than 12 qts. per acre per application.

Olives (REI = 72 hours)

Up to 2 applications can be made per crop per year at minimum 14 day intervals.

Crop	Pest	This Product Per Acre (qts.)
Olives	Scale insects (Black scales,	5 to 7.5
	Olive scales)	

RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply more than a total of 15 qts. 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.

Pome Fruits

Repeat applications as necessary up to a total of 8 times per crop per year including thinning sprays on Apples at minimum 14 day intervals.

year including thinning sprays on Apples at minimum 14 day intervals.		
Crop	Pest	This Product Per Acre (qts.)
Members of	White apple leafhoppers	0.5 to 1.5
the Pome	Apple aphids, Codling moths	1 to 3
Fruit Group	Apple aphids, Apple maggots,	1.5 to 3
11 including:	Apple mealybugs, Apple rust	
Apples, Crab-	mites, Bagworms, California	
apples,	pearslugs (Pear sawflies),	
Pears,	European apple sawflies,	
Loquats, Mayhaw,	Eyespotted bud moths, Fruittree leafrollers, Gypsy	
Oriental	moths, Japanese beetles,	
pears	Lesser appleworms, Lygus	
pcars	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), Tarnished plant bugs,	
	Tentiform leafminers, Woolly	
	apple aphids, Yellowheaded	
	fireworms	
	SPECIFIC DIRECTIONS: On A	Annles avoid use
	during the period from full bloom	
	full bloom unless fruit thinning i	,
	pesticidal activity during this perio	
	fruit removal. For Psylla, apply w	•
	young nymphs are present. For	
	crawlers are present.	
Apples Only,	_	1 to 3
for fruit	SPECIFIC DIRECTIONS: Apply I	petween 80% petal
thinning	fall and 16 mm fruit size. Use the	ne higher rates on
	hard to thin varieties at the early	•
	80% petal fall to 6 mm fruit size. I	
	on easy to thin varieties and at th	٠.
	riod which is the 10 to 16 mm fru	
	use per acre will depend on varie	
	spacing, weather conditions at t	
	lowing applications. The most e lonage will depend on the size, pl	
	spacing and amount of foliage. L	
	volume to ensure adequate cov	
	gals. per acre). Avoid spray to t	
	Reduce spray coverage to the	
	the tree since overthinning ma	
	Factors such as climatic tempera	
	frost, tree age, variety, nutrition, p	revious crop, prun-
	ing and bloom may influence from	uit thinning results
	with the product. Exercise precau	itions to avoid pos-
	sible overthinning. For most effe	ctive results, apply
	under good drying conditions a	•
	temperatures (°F) will be 70 to le	
	lowing 1 to 3 days. Application	
	peratures in excess of 80°I	may result in
	overthinning.	
	This product may be mixed with	·
	however, use precautions to avoi	•
	other adverse effects. Consult v	
	ning experts in your area for rec	
	appropriate tank mixing partners	
	product labels for specific use di	
	NOTE: The use of this product m	
	formity under certain environmer	
	fore using on any variety of App weigh the risk versus benefits wh	
	uct, particularly when using betw	
	and 6 mm fruit size. Red Delicion	
	tive to this phenomenon and in	
	uvo to tilis prieriorileriori and III	puruouiai, uit vall-

(Continued)

(Cont.)		
Crop	Pest	This Product Per Acre (qts.)
	eties Bisbee, Red Chief and Va susceptible to conditions causi Precipitation and temperatures be the possibility of fruit deformity. mer spray oils and wetting agent risk of fruit deformity and injury. Consult with fruit thinning experadvice on using this product on eties under local growing conditions. Observe all restrictions of product for apple thinning.	ng fruit deformity. elow 65°F increase The use with Sum- s may increase the ts in your area for specific apple vari- ons or other ques-
PESTRICTIONS: Do not apply to Quinco. Do not use on Poars he		

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 15 qts. 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. For Apple thinning, 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 risks to bees.

DRIFT MANAGEMENT:

For airblast application, follow the following drift management practices:

- Adjust deflectors and aiming devices so that the 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

Up to 3 applications can be made per crop per year at minimum 7 day intervals. An additional application can be made during the dormant or delayed dormant timing.

Crop	Pest	This Product Per Acre (qts.)
All members of the Stone Fruits Crop Group 12 including: Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh)	Apple pandemis, Black cherry aphids, Cherry fruitworms, Cherry maggots (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	2 to 3
1		(Continued)

(Cont.)		
Crop	Pest	This Product Per Acre (qts.)
	SPECIFIC DIRECTIONS: Re as necessary, up to a total of but not more often than once additional application at the do dormant timing may be made on Scale, apply when crawlers Lesser peachtree borers, be been found by thoroughly sp tree trunks at weekly intervilight.	3 times per crop, every 7 days. An immant or delayed. For best results are present. For est results have raying limbs and als during moth
	Peach twig borers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershell scales, San Jose scales)	4 to 5
	SPECIFIC DIRECTIONS: Fo layed dormant timing, apply with a recommended dorman dormant oil product label for a rections and restrictions.	in combination t oil. Refer to the additional use di-
	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 to 4
	SPECIFIC DIRECTIONS: Re as necessary up to a total of but not more often than once An additional application at th layed dormant timing may Scale, apply when crawlers a	3 times per crop, e every 14 days. e dormant or de- be made. For

RESTRICTIONS:

All States Except CA: Do not apply within 3 days of harvest. Do not apply more than 3 qts. per acre per application during the production season.

CA only: Do not apply within 1 day of harvest. Do not apply more than 4 qts. per application during the production season.

All States Including CA: Do not apply more than a total of 14 qts. per acre per crop per year. Do not apply more than a total of 5 qts. per acre at the dormant or delayed dormant timing. Do not apply more than a total of 9 qts. per acre during the production season. 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.

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.

Crop	Pest	This Product Per Acre (qts.)
Pistachios	Brown soft scales,	3 to 5
	Lecanium scales,	
	Navel orangeworms	
	SPECIFIC DIRECTION tions as necessary up to crop per year (including the dormant or delayed minimum 7 day interval when crawlers are prese	a total of 4 times per any applications at dormant timing) at s. For Scale, apply
	Scale insects	4 to 5
	SPECIFIC DIRECTIONS layed dormant timing: App dormant oil. Refer to dorr for additional use direction	ly in combination with nant oil product label as and restrictions.
RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply		

RESTRICTIONS: Do not apply within 14 days of harvest. Do not apply more than a total of 15 qts. per acre per year including any application at the dormant or delayed dormant timing. Do not apply more than 5 qts. per acre per application. 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.

All members of the Tree Nuts Crop Group 14 including: Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia nut (bush nut), Pecan, Walnut [including black and English (Persian) walnuts]

Black margined aphids, Calico scales. Codling moths, European fruit lecaniums. Fall webworms, Filbert aphids, Filbert leafrollers Filbertworms, Frosted scales. Fruittree leafrollers, Hickory shuckworms, Lesser webworms. Navel orangeworms, Peach twig borers, Pecan leaf phylloxeras, Pecan stem phylloxeras, Pecan nut casebearers, Pecan spittlebugs, Pecan weevils, San Jose scales, Twig girdlers, Walnut caterpillars

SPECIFIC DIRECTIONS: Repeat applications as necessary up to a total of 4 times per year (including any applications at the dormant or delayed dormant timing) at minimum 7 day intervals. Use lower rates for pests attacking leaves. Use higher rates for pests attacking fruit and for higher infestations. For Scale, apply when crawlers are present. For Peach twig borers, best results with foliar applications have been found by making applications in popcorn or petal fall stages when the May brood begins to hatch. For Navel orangeworms in Almonds and Walnuts, best results have been found by timing early and mid-season applications to correspond with moth flight peaks. For Filbert leafrollers, best results have been found by making applications when eggs are hatching, repeating application in first appearance of moths and again 3 to 4 weeks later. For Codling moths in Walnuts, best results have been found by making applications when average cross-sectional diameters of developing nuts are one-half to three-fourths inches and again during middle or late June, as needed.

(Continued)

2 to 5

(Cont.)		
Crop	Pest	This Product Per Acre (qts.)
	Chestnut weevils, European earwigs	4 to 5
	SPECIFIC DIRECTIONS vils, best results have be plications at weekly intended July. The last application prior to shuck split. For thorough coverage of transits is needed for best re-	een found with 4 ap- vals beginning in late on should be made European earwigs, unks, branches and
Almonds Only	Peach twig borers, Scale insects	4 to 5
	SPECIFIC DIRECTIONS: For dormant or de layed dormant timing, apply in combination with recommended dormant oil. Refer to the dormant oil product label for additional use directions and restrictions.	

RESTRICTIONS: 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 within 14 days of harvest. Do not apply more than a total of 15 qts. per acre per crop per year including any applications at the dormant or delayed dormant timing.

FORESTED AREAS AND RANGELAND TREES

Up to 2 spray applications can be made per year at minimum 7 day intervals and 2 direct trunk treatments per year at 6 month intervals. Apply in sufficient volume for adequate coverage by ground or air equipment. This will vary depending on the tree size, density and stage of growth.

Crop/Site	Pest	This Product Per Acre (qts.)
Forests, Tree plantations, Planted Christmas trees, Parks, Rural shelter belts, Rangeland trees	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, 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, 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),	1 (0.75 fl. oz./ 1,000 sq. ft.)
		(55

Crop/Site	Pest	This Product Per Acre (qts.)
	Oleander caterpillars, Olive	(4.2)
	ash borers, Orangestriped	
	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, Saw-	
	flies (exposed), Scale	
	insects (crawlers),	
	Sowbugs, Spiney elm	
	caterpillars, Spring-tails,	
	Spruce budworms, Spruce	
	needle-miners, Subtropical pine tip moths, Tent	
	caterpillars, Thornbugs,	
	Thrips (exposed), Walnut	
	caterpillars, Webworms,	
	Western hemlock loopers,	
	Western spruce budworms,	
	Willow leaf beetles, Woolly	
	gall aphids, Yellow poplar	
	weevils	
	SPECIFIC DIRECTIONS: O SPONSE PRECAUTIONS". C	
	age of upper and lower leaf su	
	a sticker may improve produc	
	Scale insects, treat trunks, ste	
	tion to plant foliage. For best r	esults on Worm, trea
	tion to plant foliage. For best r when pests are small. Make a	esults on Worm, trea applications for Maple
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w	esults on Worm, trea applications for Maple hen larvae are in 2nd
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case	results on Worm, trea applications for Maple hen larvae are in 2nd es are being formed.
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester an **Will kill only pest that are pre	results on Worm, trea applications for Maple hen larvae are in 2nc es are being formed. and Pharaoh. sent at the time of ap
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester an	results on Worm, trea applications for Maple hen larvae are in 2nc es are being formed. and Pharaoh. sent at the time of ap
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester an **Will kill only pest that are pre	results on Worm, trea applications for Maple hen larvae are in 2nc es are being formed. and Pharaoh. sent at the time of ap
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester ar **Will kill only pest that are pre plication and directly contacted	results on Worm, trea applications for Maple hen larvae are in 2nd es are being formed. and Pharaoh. sent at the time of ap by product.
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester ar **Will kill only pest that are pre plication and directly contacted	results on Worm, trea applications for Maple hen larvae are in 2nd es are being formed. and Pharaoh. sent at the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester ar **Will kill only pest that are pre plication and directly contacted	results on Worm, trea applications for Maple hen larvae are in 2nd es are being formed. and Pharaoh. sent at the time of ap by product.
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester ar **Will kill only pest that are pre plication and directly contacted Gypsy moths	results on Worm, trea applications for Maple hen larvae are in 2nd es are being formed. In the sent at the time of ap by product. 0.75 to 1 (0.5 to 0.75 ft. oz./ 1,000 sq. ft.)
	tion to plant foliage. For best r when pests are small. Make a leafcutters on Sugar maple w instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are pre plication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests	results on Worm, treat applications for Maple hen larvae are in 2nd as are being formed. In dependent the time of ap by product. 0.75 to 1
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a	results on Worm, treat applications for Maple hen larvae are in 2nd as are being formed. In dependent the time of ap by product. 0.75 to 1
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester are **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than	results on Worm, treat applications for Maple hen larvae are in 2nd as are being formed. In dependent the time of ap by product. 0.75 to 1
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a	results on Worm, treat applications for Maple hen larvae are in 2nd as are being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./1,000 sq. ft.) Gypsy moth, use the ations. Repeat treat a total of 2 times per once every 7 days.
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester are **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than	results on Worm, trea applications for Maple hen larvae are in 2nd as are being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./1,000 sq. ft.) Gypsy moth, use the ations. Repeat treat a total of 2 times per once every 7 days.
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks	results on Worm, treat applications for Maple hen larvae are in 2nd are being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./1,000 sq. ft.) Gypsy moth, use the atotal of 2 times per once every 7 days. 1 (0.75 fl. oz./1,000 sq. ft.)
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks SPECIFIC DIRECTIONS: Will	results on Worm, trea applications for Maple hen larvae are in 2nd seare being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./1,000 sq. ft.) Gypsy moth, use the ations. Repeat treat a total of 2 times peonce every 7 days. 1 (0.75 fl. oz./1,000 sq. ft.) only kill Ticks presen
	tion to plant foliage. For best residence when pests are small. Make a leafcutters on Sugar maple we instar after mining and as case "Except carpenter, harvester at "*Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks SPECIFIC DIRECTIONS: Will at the time of application and best of the service	results on Worm, treat applications for Maple hen larvae are in 2nd are being formed. In dependent the time of ap by product. O.75 to 1 (0.5 to 0.75 fl. oz./1,000 sq. ft.) Gypsy moth, use the atotal of 2 times per once every 7 days. 1 (0.75 fl. oz./1,000 sq. ft.) only kill Ticks present by product.
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks SPECIFIC DIRECTIONS: Will at the time of application and be at the time of application and the ti	results on Worm, treat applications for Maple hen larvae are in 2nd as are being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./ 1,000 sq. ft.) Gypsy moth, use the atotal of 2 times per once every 7 days. 1 (0.75 fl. oz./ 1,000 sq. ft.) 2 (0.75 fl. oz./ 1,000 sq. ft.) 3 (0.75 fl. ozs./ 1,000 sq. ft.) 5 fl. ozs.
	tion to plant foliage. For best rewhen pests are small. Make a leafcutters on Sugar maple we instar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks SPECIFIC DIRECTIONS: Will at the time of application and be Elm bark beetles, Ips engraver beetles, Mountain pine beetles, Roundheaded	results on Worm, trea applications for Maple hen larvae are in 2nd are being formed. In department of the product. 0.75 to 1 (0.5 to 0.75 fl. oz./1,000 sq. ft.) Gypsy moth, use the atotal of 2 times per once every 7 days. 1 (0.75 fl. oz./1,000 sq. ft.) Only kill Ticks presen by product.
	tion to plant foliage. For best in when pests are small. Make a leafcutters on Sugar maple winstar after mining and as case *Except carpenter, harvester at **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks SPECIFIC DIRECTIONS: Will at the time of application and be the time of application and be engraver beetles, Mountain pine beetles, Roundheaded pine beetles, Spruce	results on Worm, trea applications for Maple hen larvae are in 2nd are being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./ 1,000 sq. ft.) Gypsy moth, use the ations. Repeat treat a total of 2 times per once every 7 days. 1 (0.75 fl. oz./ 1,000 sq. ft.) only kill Ticks present by product. 5 fl. ozs.
	tion to plant foliage. For best in when pests are small. Make a leafcutters on Sugar maple winstar after mining and as case *Except carpenter, harvester an **Will kill only pest that are preplication and directly contacted Gypsy moths SPECIFIC DIRECTIONS: For higher rate for heavy infests ments as necessary, up to a year, but not more often than Ticks SPECIFIC DIRECTIONS: Will at the time of application and be left bark beetles, Ips engraver beetles, Mountain pine beetles, Roundheaded pine beetles, Spruce beetles, Western pine	results on Worm, trea applications for Maple hen larvae are in 2nd are being formed. In dependent the time of ap by product. 0.75 to 1 (0.5 to 0.75 fl. oz./ 1,000 sq. ft.) Gypsy moth, use the ations. Repeat treat a total of 2 times per once every 7 days. 1 (0.75 fl. oz./ 1,000 sq. ft.) only kill Ticks present by product. 5 fl. ozs.
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RESTRICTIONS: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

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.

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 annual rainfall is less than 25 inches a year. Notify workers of the application and REI 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 Administra-

Up to 6 spray applications can be made per year at minimum 7 day intervals. Up to 2 direct trunk treatments can be made per year at minimum 6 month intervals.

Apply by ground in sufficient volume for adequate coverage. This will

Crop/Site	Pest	This Product Per Acre (qts.)
Ornamental Trees and Plants: Roses, Flowers, Other Herbaceous plants, Evergreens, and Woody plants, 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 moth, 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 nipple-gall makers, Holly bud moths, Holly leafminers, Jack pine budworms, Japanese beetles, 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, Orange-striped oakworms, Periodical cicadas, Pine loopers, Pine sawflies, Pine spittlebugs, Pitch pine tip moths, Plant bugs, Poinsettia hornworms, Rose aphids, Rose chafers, Rose slugs, Saddled prominents, Sawflies (exposed), Scale insects (crawlers), Sowbugs, Spiney elm caterpillars, Redhumped oakworms, Rose aphids, Rose chafers, Rose slugs, Saddled prominents, Sayflies (exposed), Scale insects (crawlers), Sowbugs, Spiney elm caterpillars, Redhumped oakworms, Rose aphids, Rose chafers, Rose slugs, Saddled prominents, Sayflies (exposed), Scale insects (crawlers), Sowbugs, Spiney elm caterpillars, Redhumped oakworms, Rose aphids, Rose chafers, Rose slugs, Saddled prominents, Sayflies (exposed), Scale insects (rawlers), Sowbugs, Spiney elm caterpillars, Webworms, Western spruce budworm, Willow leaf beetles, Woolly gall aphids, Yellow-poplar weevils	1 qt. per acre -OR- per 100 gal. (0.75 fl. oz./ 1,000 sq. ft.)

Cont.)		
Crop/Site	Pest	This Product Per Acre (qts.)
	SPECIFIC DIRECTIONS: Obsest SPONSE PRECAUTIONS". Obeerage of upper and lower leaddition of a sticker may improfromance. To kill Scale insects, tand twigs in addition to plant for sults on Worm, treat when pest application for Maple leafcutter when larvae are in 2nd instart at cases are being formed.	tain thorough coval surfaces. The ove product per treat trunks, stems liage. For best res are small. Makes on Sugar maple
	* Except carpenter, harvester and Pharaoh. ** Will only kill pests that are present at the time application and directly contacted by product.	
	Gypsy moths	0.75 to 1 qt. per acre or per 100 gal. (0.5 to 0.75 fl. oz./ 1,000 sq. ft.)
	SPECIFIC DIRECTIONS: For Gypsy moth, use the higher rate for heavy infestations.	
	Ticks	1 quart per acre or per 100 gal. (0.75 fl. oz./ 1,000 sq.ft.)
	SPECIFIC DIRECTIONS: Will only kill Ticks preent at time of application and directly contacted by product.	
	Elm bark beetles, Ips en- graver beetles, Mountain pine beetles, Roundheaded pine beetles, Spruce beetles, Western pine beetles	5 fl. ozs. per gal.
	SPECIFIC DIRECTIONS: Direct Trunk Treatment - Effective as a preventative treatment only. Treat annually to prevent Beetle attacks. Apply 1 gal. or spray per 50 sq. ft. of bark prior to Beetle flight of host-tree attack. Treat tree trunk from ground leve 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: BEE CAUTION: Do not apply this product to target crops or weeds in bloom.

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.

TURFGRASS

(REI for Turf grown for Sod production = 24 hours)

Do not apply more than a total of 16 qts. per acre per year. Do not apply by air or by chemigation. 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. Apply the specified rates using ground pressure-type equipment in sufficient spray volume for thorough coverage and thatch penetration.

Site	Pest	This Product Per Acre (qts.)	
Golf turf, Sports fields, Sod farms, Domestic and Commercial lawns, Ceme- teries, Parks, Campsites, Recreational areas	Ants (except carpenter, harvester and Pharaoh)*, Armyworms, Cutworms, Essex skippers, European chafers, Fall armyworms, Fiery skippers, Grasshoppers, Green June beetle larvae, Leafhoppers, Lucerne moths, Millipedes, Mosquitoes (adults)*, Scarab beetle adults (May beetles, June beetles, Japanese beetles, Green June beetles), Sowbugs, Spittlebugs, Springtails, Yellowstriped armyworms SPECIFIC DIRECTIONS: Fand Fall armyworm: Do nowithin 24 hours following ins Green June beetle grub (later).	ot irrigate treated areas secticide application. For rvae): Make applications	
	when grubs are feeding near the soil surface. Water or irrigate turfgrass within 48 hours after treatment.		
	Ticks*	1 (0.75 fl. oz. per 1,000 sq. ft.)	
	Centipedes*, Chigger*, Earwigs*	4 (3 fl. ozs. per 1,000 sq. ft.)	

RESTRICTIONS: BEE CAUTION: Do not apply this product to plants in bloom.

Repeat applications as necessary up to 4 times per year but not more often than once every 7 days. Do not allow public use of treated areas during applications or until sprays have dried.

	*Will kill only pests that are present at the time of application and directly contacted by product.		
Golf turf, Sports fields, Sod farms,	Chinch bugs, Sod webworms (Lawn moths)	6 to 8 (4.4 to 6 fl. ozs. per 1,000 sq. ft.)	
Domestic and Commercial lawns, Cemeteries, Parks,	nestic and negation and specific DIRECTIONS: For Chinch bug: Treat grass area rather than just damaged areas. Irr prior to treatment will aid in penetration of inseinto Turfgrass. Do not irrigate treated areas will be a provinced by the control of the control o		
Campsites, Recreational areas	Bluegrass billbug larvae, European crane flies, White grubs (such as Japanese beetles, Chafer beetles and <i>Phyl-lophaga</i> spp. larvae), Black turfgrass ataenius beetle larvae, Hyperodes weevils (Bluegrass wee- vil) larvae, Springtails	8 (6 fl. ozs. per 1,000 sq. ft.)	
	SPECIFIC DIRECTIONS: I Apply in early Spring (Apri ing recommended by loca Service Agents. Water or 48 hours after treatment. For White grub: Apply wher the soil surface, usually du. May or July through early as recommended by loca Service Agents. Water or in hours after treatment.	il 1 to April 15) or at tim- al Agricultural Extension irrigate Turfgrass within in Grubs are feeding near uring late March through a Agricultural Extension	
		(Continued)	

RESTRICTIONS: BEE CAUTION: Do not apply this product to plants in bloom.

Repeat applications as necessary up to 2 times per year but no more often than once every 7 days. Do not enter or allow others to enter treated areas until sprays have dried.

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

SPECIFIC PESTS ACROSS MULTIPLE SITESGrasshoppers

Crop	Pest	This Product Per Acre (qts.)
All crops on this	Grasshoppers	0.5 to 1.5
labels	SPECIFIC DIRECTIONS: Apply 0.5 to 0.75 qts. per acre for nymphs on small plants or sparse vegetation. Apply 1 to 1.5 qts. per acre for mature grasshoppers or applications to dense foliage. Be certain spray volumes are appropriate to assure adequate coverage.	

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. Observe all use restrictions.

Imported Fire Ants

Crop/Site	Pest	This Product Per Gallon of Water
All crops/sites on this	Imported fire ants	0.75 fl. oz. per gal.
label		
	SPECIFIC DIRECTIONS tion: To kill active mounds gals. of the diluted solution of each mound or at least of mound diameter using other appropriate equipment mound and surround diameter (12 sq. ft.). Do prior to treatment. Pour height of about 3 ft. to give break mound apex and ftc. For best results, apply in to 80°F) or in early morni hours. Repeat application resumes after 30 days. Tas they appear. Pressurize turb the Ants and cause in product effectiveness.	s, apply a total of 2 on over the surface it 1 qt. per 6 inches g a bucket, can or ment. Thoroughly ing areas to a 4-ft. not disturb mound r solution from a se sufficient force to be into Ant tunnels. It cool weather (65 ng or late evening in if mound activity freat new mounds ed sprays may dis-
	Imported fire ants	1.5 fl. ozs. per
	(foraging)	gal.
	SPECIFIC DIRECTIONS:	
	cation (outdoor use onl	
	growing media when using on bedding plants and avoid contact with foliage. Do not	
	make more than 1 applica	•

RESTRICTIONS: Do not enter or allow others to enter treated areas until sprays have dried.

For outdoor use only. Do not use in greenhouses.

* 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.

Note: Do not use on any food crop not listed on this label. Refer to specific site use directions elsewhere on this label for additional 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. This product will kill only Ticks that are present at the time of application and directly contacted by product. Up to 4 applications per year can be made

Crop/Site	Pest	This Product Per Acre (qts.)
All crops on this label, Pastures, Forested areas, Wasteland, Rights-of way, Hedgerows, Ditchbanks.	Ixodes spp. (Deer ticks, Bear ticks, Black legged ticks), Amblyomma spp. (Lone star ticks) SPECIFIC DIRECTIONS	1 (0.75 fl. oz. per 1,000 sq. ft.)
Roadsides, Set-Aside and Conservation Reserve Program Acreage, Ornamental trees and plants, Turfgrass*	Ticks, apply in late Spring To kill adult Ticks, apply i Fall. Treat entire area and perir exposure to Ticks may oc reintroduced from surro host animals. Retreat as n tain low population levels.	or early Summer. In late Summer to Interest areas where cur. Ticks may be unding areas on ecessary to main-

RESTRICTIONS: Do not enter or allow others to enter treated areas until sprays have dried.

Note: 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 qt. per acre (0.75 fl. oz. per 1,000 sq. ft.). Observe all use 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

PERIMETER TREATMENT – To kill Ants*, Bees* and Wasps*, Brown dog ticks*, Centipedes*, Cockroaches*, Crickets, Darkling beetles (Lesser mealworms or Litter beetles), Earwigs, Firebrats, Silverfish, Fleas*, Millipedes, Scorpions*, and Spiders*, mix 2.5 fluid ounces of this product per gallon of water and apply as a coarse wet spray in a band of 6 to 10 feet wide around the outside perimeter of buildings contacting as many pests as possible.

Confine to areas immediately adjacent to the structure. Direct applications to the outside of the structure should be minimal and restricted to cracks and 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 enter or allow others to enter treated areas until sprays have dried
- Do not make more than 4 applications per year. Do not apply more often than once every 7 days.
- NOTE: Staining may occur on certain surfaces such as brick, carpet, cinder block, fabrics, stucco, and wood. Spray deposits on painted or stained surfaces of finishes (e.g., boats, cars, house trailers, 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.
- Observe "PLANT RESPONSE PRECAUTIONS".
- * Will kill only pests 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: 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 (PPE).

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:**

Nonrefillable Container (rigid material; less than 5 gallons): 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 and drain for 10 seconds after the flow begins to drip. 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 material; 5 gallons or greater): 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 Containers:

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% 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.

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 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.