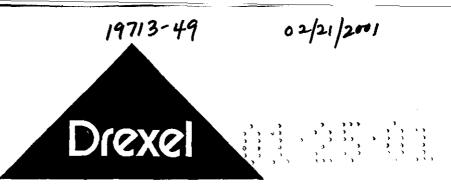
FEB 2 | 2001

Under the Foderal Inscalated, Fungicide, and Indonticide Act, as amended, for the pesticide registered under A713 - 49



Carbaryl 4L

Insecticide

For Agricultural or Commercial Use Only.

ACTIVE INGREDIENT:

TOTAL:

TOTAL: 100.0%

This product contains 4 pounds of Carbaryl per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below SHAKE WELL BEFORE USING

EPA Reg. No. 19713-49 EPA Est. No. 19713-GA-1

Net Contents:

FIRST AID

Have the product container or label with you when calling poison control center or doctor, or going for treatment.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- 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 person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
 Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN:

- 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.

GENERAL: Contact a physician immediately in all cases of suspected poisoning. Transport to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime metriodide) are NOT recommended. See NOTE TO PHYSICIAN.

NOTE TO PHYSICIAN

Treat symptomatically. Overexposure to materials other than this product may have occurred.

Carbaryl is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Gastric lavage may be used if this product has been swallowed. Carbaryl poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated. Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent overatropinization. Improve tissue oxygenation as much as possible before administering atropine to minimize the risk of ventricular fibrillation. Mild cases may be given 1 to 2 mg inframuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, inhaled or if in eyes. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin or clothing. Keep out of reach of children and domestic animals.

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)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride (PVC) or Viton, shoes plus socks and chemical-resistant headgear for overhead exposure.

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

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER-SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Discharge from Rice fields may kill aquatic and estuarine invertebrates. Do not apply when weather conditions favor drift from area treated. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

BEE CAUTION: May kill Honeybees in substantial numbers. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. This product is less hazardous to Honeybees when direct application is avoided and the spray residues have dried. For maximum Honeybee hazard reduction, apply from late evening to early morning or when bees are not foraging. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging in the treatment area. However, applications may be made during foraging periods if the beekeeper takes one of the following precautionary measures prior to bee flight activity on the day of treatment: (1) Confine the Honeybees to the hives by covering the colony or screening the entrance; (2) locate hives beyond bee flight range from the treated area. Precautionary measures may be discontinued after spray residues have dried. Contact your cooperative agricultural extension service for further information.

Manufactured By:

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

SINCE 1972

• 49SP-0101

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 GFR 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 penaining to the statements on this label about personal protective economent (PPE) and restricted entry interval (REI). 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 of 12 hours.

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 of water is: Coveralls, chemical-resistant gloves such as Barrier Laminate. Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride (PVC) or Viton, shoes plus socks and chemical-resistant headgear for overhead exposure.

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.

The area being treated must be vacated by unprotected persons. Keep unprotected persons out of treated areas until sprays have dried.

GENERAL PRECAUTIONS AND RESTRICTIONS

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 periods of high humidity may cause injury to tender foliage.

Do not use on Boston ivy, Virginia creeper and Maidenhair fern as injury may result. Carbaryl may also injure Virginia and Sand pines. The use of adjuvants may increase the potential for crop injury to sensitive crops.

PRE-HARVEST AND GRAZING RESTRICTIONS AND LIMITATIONS Tolerances established under the Federal Food. Drug and Cosmetic Act permit the sale of labeled crops bearing probable carbaryl residues when this product is used in accordance with the label directions. If used as directed, treated forage may be grazed or used as feed for dairy and meat animals without causing !legal residues in meat or milk. Do not apply at greater rates or at more frequent intervals than stated on the label. To do so may result in illegal residues in crops, meat and milk. Do not use reclaimed irrigation water from crops treated with carbaryl on crops for which carbaryl tolerances are not established. Do not plant rotational food and feed crops not listed on this or other carbaryl labels in carbaryl treated soil.

APPLICATION STATEMENTS

Calibrate and adjust application equipment to ensure proper rate and accurate placement. To clean spray system after use, drain and flush with water and detergent mixture. Rinse thoroughly with clean water. Refer to the "STORAGE AND DISPOSAL" section for disposal instructions.

Note: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Spray deposits on painted or stained surfaces or finishes (i.e., cars, houses, trailers, boats, etc.) should immediately removed by washing to prevent discoloration. Avoid applications to surfaces where visible spray residues are objectionable.

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 control, 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 ½ to ¾ the desired amount of water. Start mechanical or hydraulic agitation. Stowly 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 STATEMENT".

COMPATIBILITY STATEMENT

This product, when diluted with at least an equal volume of water, is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil or aromatic solvents. If compatibility with another product and the resulting crop response is unknown, the mixture should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. Incompatibility will reduce insect control 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, time-sulfur and casein-time spreaders, will result in chemical degradation of the insecticide. Do not use this product in water with pH values above 8.0 unless a buffer is added. If necessary, water should be buffered to neutral (pH = 7.0) before adding this product to the spray tank. Overhead irrigation with alkaline or muddy water after application will also accelerate chemical degradation and may result in reduced insect control.

APPLICATION PROCEDURES AND PRECAUTIONS

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. To prepare small volumes of spray mixture, use % fluid ounce (approximately 2 teaspoons) of this product in an adequate amount of water and apply to 500 square feet, where rates of 1 quart per acre are indicated.

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. 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 ½ to ¾ the desired amount of water. Start mechanical or hydrautic agitation. Add the required amount of this product and then the emaining 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 inch of water per acre. Start sprinkler and uniformly inject 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 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.

General Precautions For Applications Through Sprinkler Irrigation Systems: Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration 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, 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, Wheat and Proso millet), Cucurbit vegetables, Flax, Forage crops (Alfalfa, Birdsfoot trefoil, Clovers, Pasture and Grasses grown for seed, Rangeland), Fruiting vegetables, Leafy vegetables, Legume vegetables, Non-cropland (Conservation Reserve Program—Ditchbanks, Hedgerows, Right-of-ways, Roadsides, Wasteland), Okra, Peanuts, Prickly pear cactus, Root and Tuber crops, Sugar beets, Sweet potatoes, small Fruits and Berries, Sunflowers, Tobacco, Tree fruit crops (Citrus fruits, Olives, Pome fruits, Stone fruits), Tree nut crops (Pistachios, Tree nuts), Forested areas and Rangeland trees, Trees and Ornamentals, Turfgrass, control of specific pests across multiple sites (adult Mosquito control, Grasshoppers, Imported fire ants, Ticks which vector Lyme disease), Poultry insect control and pest control in and around buildings.

INSECT CONTROL

Begin application when insect populations reach recognized economic threshold levels. Consult the cooperative extension service, consultants or other qualified authorities to determine appropriate threshold levels for treatment and specific use information in your area. Where a dosage range is indicated, use the lower rate on light to moderate infestations, young plants and early instars and use the higher rate on heavy infestations, mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective control.

ASPARAGUS

Crop	Pest	Qts. of This Product Per Acre
Asparagus	Apache cicadas, Asparagus beetles, Cutworms	1 to 2
	SPECIFIC DIRECTIONS: Repeat application as necessary up to a total of 3 times prior to harvest, but not more often than once every 3 days. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
	Apache cicadas, Asparagus 2 to 4 beetles, Cutworms	
	SPECIFIC DIRECTIONS: Application to ferns or brush growth following harvest of spears: Repeat applications as necessary, but not more often than once every 7 days. Do not make more than a total of 5 applications per year to spears and fems combined.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 1 day of harvest. Do not apply more than a total of 6 qts. per acre before harvest of spears. Do not apply more than a total of 10 qts. per acre per year.

BRASSICA LEAFY VEGETABLES CROPS

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

Grop	Pest	Qts. of This Product Per Acre
Broccoli, Brussels sprouts, Cauliflower, Cabbage, Chinese cabbage, Collards, Kale, Kohlrabi, Mustard greens	Flea beetles, Harlequin bugs, Leafhoppers	1/2 to 1
	Armyworms, Aster leafnoppers, Com earworms, Diamondback moths, Fall armyworms, Imported cabbageworms, Lygus bugs, Spittlebugs, Stink bugs, Tarnished plant bugs	1 to 2

RESTRICTIONS AND PRECAUTIONS: For Broccoli, Brussels sprouts, Cabbage, Cauliflower and Kohlrabi, do not apply within 3 days of harvest. For Chinese cabbage, Collards, Kale and Mustard greens, do not apply within 14 days of harvest. Do not apply more than a total of 6 qts. per acre per crop.

CEREAL GRAIN CROPS

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

earworms, Corn rootworm adults, Fall armyworms, Flea beetles, Japanese beetles, Sap beetles, Southwestern corn borers, Leaftoppers SPECIFIC DIRECTIONS: For optimum Chinch bug control, use ground equipment to apply at least 20	Crop	Pest	Qts. of This Product Per Acre
control, use ground equipment to apply at least 20 gals, of water per acre and direct spray toward stalk to provide thorough coverage. European com borers 1½ to 2 SPECFIC DIRECTIONS: For optimum European com borer control, do not apply in less than 3 gals, of water per acre by air and 15 gals, of water by ground. Cutworms, Western bean 2 cutworms SPECFIC DIRECTIONS: For optimum Cutworm control, apply in a 12-inch band over the row using sufficient volume of water to obtain thorough coverage. For broadcast application, use at least 20 gals, by ground or 5 gals, by air per acre. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tasset emergence. Treatment after 100% silk emergence will reduce	Field com, Popcom	earworms, Corn rootworm adults, Fall armyworms, Flea beetles, Japanese beetles, Sap beetles, Southwestern corn borers,	1 to 2
SPECIFIC DIRECTIONS: For optimum European comborer control, do not apply in less than 3 gals, of water per acre by air and 15 gals, of water by ground. Cutworms, Western bean 2 cutworms SPECIFIC DIRECTIONS: For optimum Cutworm control, apply in a 12-inch band over the row using sufficient volume of water to obtain thorough coverage. For broadcast application, use at least 20 gals, by ground or 5 gals, by air per acre. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tasset emergence. Treatment after 100% silk emergence will reduce		control, use ground equipment to apply at least 20 gals, of water per acre and direct spray toward stalk to	
borer control, do not apply in less than 3 gals, of water per acre by air and 15 gals, of water by ground. Cutworms, Western bean 2 cutworms SPECIFIC DIRECTIONS: For optimum Cutworm control, apply in a 12-inch band over the row using sufficient volume of water to obtain thorough coverage. For broadcast application, use at least 20 gals, by ground or 5 gals, by air per acre. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tasset emergence. Treatment after 100% silk emergence will reduce		European com borers	1½ to 2
cutworms SPECIFIC DIRECTIONS: For optimum Cutworm control, apply in a 12-inch band over the row using sufficient volume of water to obtain thorough coverage. For broadcast application, use at least 20 gals, by ground or 5 gals, by air per acre. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tasset emergence. Treatment after 100% silk emergence will reduce		borer control, do not apply in less than 3 gals, of water	
control, apply in a 12-inch band over the row using sufficient volume of water to obtain thorough coverage. For broadcast application, use at least 20 gals, by ground or 5 gals, by air per acre. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tassel emergence. Treatment after 100% silk emergence will reduce		1	2
		control, apply in a 12-inch band over the row using sufficient volume of water to obtain thorough coverage. For broadcast application, use at least 20 gals, by ground or 5 gals, by air per acre. For Cutworm control, this product is most effective against species which feed on the upper portions of the plant. For Western bean cutworms, treat when infestation averages 15% and at 90 to 100% tasset emergence. Treatment after 100% silk emergence will reduce	

RESTRICTIONS AND PRECAUTIONS: Observe Bee Caution. Do not apply more than a total of 8 qts. per acre per crop. Do not apply within 48 days of harvest of grain and fodder or within 14 days of harvest or grazing forage or silage.

GRAIN SORGHUM

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

Crop	Pest	Qts. of This Product Per Acre
Grain sorghum	Armyworms, Chinch bugs, Corn earworms, Fall armyworms, Stink bugs, Webworms	1 to 2
	SPECIFIC DIRECTIONS: For optimum Chinch bu control, use high gallonage ground application at to base of the plants.	
	Southwestern corn borers	11/2
	Cutworms	2
SPECIFIC DIRECTIONS: Fo product is most effective aga on the upper portions of the p		

RESTRICTIONS AND PRECAUTIONS: 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.

RICE

Crop	Pest	Qts. of This Product Per Acre
Rice	Armyworms, Chinch bugs, Fall armyworms, Leafhoppers, Stink bugs SPECIFIC DIRECTIONS: Up to 2 applications per crop may be made, but not more often than once ev 7 days. Tadpole shrimp (CA Only) SPECIFIC DIRECTIONS: For optimum Tadpole shri control, apply to water when pest first appears.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 14 days of harvest for grain or straw. Do not apply more than a total of 4 qts. per acre per crop. May kill shrimp, crabs and crayfish. Do not apply proparil herbicides within 15 days before or after application of this product, or plant injury may result.

SWEET CORN

Observe Bee Caution. Repeat applications as necessary up to a total of 8 times, but not more than once every 3 days. Optimum timing and good coverage are essential for effective control. 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 re-treatment 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.

Сгор	Pest	Qts. of This Product Per Acre	
Sweet com	Armyworms, Chinch bugs, Com earworms, Corn rootworm adults, Fall armyworms, Flea beetles, Japanese beetles, Leafhoppers, Sap beetles, Southwestern com borers	1 to 2	
	SPECIFIC DIRECTIONS: For optimum Chinch bug control, use ground equipment to apply at least 20 gals, of water per acre and direct spray toward stalk to provide thorough coverage.		
 	European com borers	1½ to 2	
SPECIFIC DIRECTIONS: For of borer control, do not apply in le per acre by air and 15 gals, of		han 3 gals, of water	
	Culworms, Western bean culworms	2	
	SPECFIC DIRECTIONS: For optic control, apply in a 12-inch band ow sufficient volume of water to obtain For broadcast application, use at a ground or 5 gals, by air per acre. For Curworm control, this product is against species which feed on the the plant. For Western bean curworms, treat averages 15% and at 90 to 100% Treatment after 100% silk emerger effectiveness.	ver the row using a in thorough coverage, least 20 gals, by is most effective upper portions of when infestation tassel emergence.	
	D PRECAUTIONS: Do not apply wi		
harvest of ears, within	n 14 days of harvest or grazing of for	age or within 48	

WHEAT AND PROSO MILLET

per crop.

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

days of harvest of fodder. Do not apply more than a total of 16 qts, per acre

Сгор	Pest	Qts. of This Product Per Acre
Wheat, Proso millet	Flea beetles	1/2 to 1
(DO NOT	Cereal leaf beetles	1
USE IN CA)	SPECIFIC DIRECTIONS: Application is effective against eggs, larvae and adults of the Cereal leaf beetles.	
	Armyworms, Fall armyworms	1 to 1½
	SPECIFIC DIRECTIONS: Application for Armyworm control should be made when Armyworms are actively feeding on the upper foliage and right temperatures are not expected to drop below 55°F. If applied by air to lush growth, use a minimum spray volume of 5 gals, per acre to optimize coverage.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 21 days of harvest for grain or straw or within 7 days of harvest or grazing for forage. Do not apply more than a total of 3 qts. per acre per crop.

CUCURBIT VEGETABLES

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

Сгор	Pest	Qts. of This Product Per Acre
Cucumbers, Meiors, Pumpkirs, Squash	Melorworms, Pickleworms	1/2 to 1
	Cucumber beetles, Flea beetles, Leafnoppers, Squash bugs	1
	SPECIFIC DIRECTIONS: For optimum control of Squash bugs, apply sufficient spray volume for tho- rough coverage and time sprays for early morning or late afternoon.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of transest. Do not apply more than a total of 6 qts. per acre per crop, Observe plant response precautions.

FLAX

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

Сгор	Pest	Qts. of This Product Per Acre
Flax (DO NOT USE IN CA)	Armyworms	1 to 1½
DESTRICTIONS	AND PRECAUTIONS: Do sot	annheusibin 40 days of

harvest for seed or straw. Do not apply more than a total of 3 qts. per acre per crop.

FORAGE CROPS

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

Crop	Pest	Qts. of This Product Per Acre
Alfaifa, Birdsfoot trefoil, Clovers	Blister beetles, Mexican bean beetles	1∕2 to 1
	Alfalfa caterpillars, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafhoppers, Potato leafhoppers, Threecomered alfalfa hoppers, Thrips, Velvetbean caterpillars	1
	Alfalfa blotch leafminers, Armyworms, Cloverhead weevils, Comearworms, Cutworms, Egyptian alfalfa weevil larvae, Essex skippers, European alfalfa beetles, Fall armyworms, Lygus bugs, Stink bugs, Webworms, Yellowstriped armyworms	1 to 1½
	SPECIFIC DIRECTIONS: For Cutwo product is most effective against spe the upper portions of the plant.	
	Alfalfa weevil larvae (West of the Rocky Mountains)	1 to 1½
	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)	11/2
	SPECIFIC DIRECTIONS: For Alfalfa pre-treatment damage is extensive, the stubble. This product is not effect Alfalfa weevils.	cut Alfalfa and treat

RESTRICTIONS AND PRECAUTIONS: Observe Bee Caution. Observe plant response precautions. Do not apply more than once per cutting. Do not apply within 7 days of harvest or grazing. Do not exceed 1½ qts. per acre per cutting. Carbaryl may cause a temporary bleaching of tender Alfalfa foliage.

PASTURE AND GRASSES GROWN FOR SEED

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

Crop	Pest	Qts. of This Product Per Acre
Pasture and Grasses grown for seed	Armyworms, Chinch bugs, Essex skippers, Fall armyworms, Striped grass loopers, Thrips, Range caterpilars, Range crane ties, Ticks	1 to 1½
SPECIFIC DIRECTIONS: To grown for seed, use high spr penetration into the boot. Ca avoid overapplication.		ssure to improve

RESTRICTIONS AND PRECAUTIONS: 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. Carefully mark swaths to avoid overapplication.

Сгор	Pest	Qts, of This Product Per Acre
Rangeland	Black grass bugs, Grasshop- pers, Mormon crickets, Range caterpillars, Range crane flies	1/2 to 1
	Ticks	1
	AND PRECAUTIONS: May be harw ment. Do not apply more than 1 gt. pe	

FRUITING VEGETABLES

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

Сгор	Pest	Qts. of This Product Per Acre
Eggplant, Peppers, Tomatoes	Colorado potato beetles, Euro- pean com borers, Fall army- worms, Lace bugs, Stirk bugs (suppression), Tamished plant bugs, Thrips (suppression), Tomato fruitworms, Tomato hornworms, Tomato pinworms	1 to 2
	SPECIFIC DIRECTIONS: Thorough coverage is essential to effectively suppress Stink bugs.	
	Flea beetles, Leafhoppers	½ to 1
	Cutworms	2
	SPECIFIC DIRECTIONS: For Curworm control, this product is most effective against species which feed on the upper portions of the plant.	
RESTRICTIONS AN	ID PRECAUTIONS: Do not apply	within 3 days of

LEAFY VEGETABLES

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

harvest. Do not apply more than a total of 8 qts. per crop.

Crop	Pest	Qts. of This Product Per Acre
Celery, Dandelion, Endive, Lettuce (Head and Leaf), Parsley, Spinach, Swiss chard	Flea beetles, Harlequin bugs, Leafhoppers	1/2 to 1
	Armyworms, Aster leafhoppers, Com earworms, Fall armyworms, Imported cabbageworms, Lygus bugs, Spittlebugs, Stink bugs, Tamished plant bugs	1 to 2

LEGUME VEGETABLES

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

Сгор	Pest	Qts. of This Product Per Acre
Cowpeas, Fresh and Dried bears (Phaseolus species including Kidney, Naw and	Bean leaf beetles, Blister beetles, Cucumber beetles, Grape colaspis, Green cloverworms, Japanese beetles, Mexican bean beetles, Velvetbean caterpillars	1/2 to 1
Snap), Fresh and	Com earworms	½ to 1½
Dried peas (<i>Pisum</i> species), Lentils, Southern peas, Soybeans	Alfalfa caterpillars, Colorado potato beetles, Flea beetles, Leafhoppers, Threecomered alfalfa hoppers, Thrips, Western bean culworms	1
(DO NOT USE ON LENTILS IN CA)	Armyworms, Culworms, European com borers, Fall armyworms, Stink bugs, Tarnished plant bugs, Webworms	1 to 1½
	SPECIFIC DIRECTIONS: For Curvo product is most effective against spe the upper portions of the plant.	
	Alfalfa loopers (suppression), Cowpea curcufios (suppression), Painted ladies (Thistle caterpillars), Pea leaf weevils, Pea weevils, Saltmarsh caterpillars, Woolfybear caterpillars, Yellowstriped armyworms	11/2
	CA ONLY: Corn earworms (sup- pression), Limabean podborers (suppression), Lygus bugs (sup- pression), Stink bugs (suppression)	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 14 days of grazing or harvest for forage or within 3 days of harvest of Fresh bears or peas or within 21 days of harvest of Dried bears or peas, seed or hay. Do not apply more than a total of 6 qts. per acre per crop. Do not apply a combination of this product and 2,4-DB herbicides to Soybeans, as crop injury may result. Observe plant response precautions.

NON-CROPLAND

Up to 2 applications per year may be made, but not more often than once every 14 days. Carefully mark swaths to avoid overapplication.

Site	Pest	Qts. of This Product Per Acre
Conservation Reserve Program Acreage, Set-Aside Program Acreage, Wasteland, Right- of-Ways, Hedge- rows, Ditchbanks, Roadsides	Black grass bugs	1/4 to 1/2
	Mormon crickets, Range caterpillars, Range crane flies	⅓ to 1
	Ticks	1 to 11/2
RESTRICTIONS A	ND PRECAUTIONS: Do not apply	within 14 days of

RESTRICTIONS AND PRECAUTIONS: 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.

OKRA

Apply using ground equipment in sufficient volume to ensure good coverage.

Crop	Pest	Qts. of This Product Per Acre
Okra	Com earworms, Stink bugs	1 to 1½
	SPECIFIC DIRECTIONS: Treat on For Grasshopper control, refer to the SPECIFIC PESTS ACROSS MUI	he "CONTROL OF

RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 6 qts. per crop.

PEANUTS

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

Crop	Pest	Qts. of This Product Per Acre
Peanuts	Blister beetles, Mexican bean beetles	1/2 to 1
Cucumber beetles, Japanese beetles, necked peanuwon affalfa hoppers, Th caterpillars SPECIFIC DIRECT use directed or bai rozzles. Ensure ad leaves. Armyworms, Com armyworms, Stink I Whitefringed beetle SPECIFIC DIRECT is most effective ag	Alfalfa caterpillars, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafroppers, Rednecked peanutworms, Threecomered affalfa hoppers, Thrips, Velvetbean caterpillars	1
	SPECIFIC DIRECTIONS: For optimum of use directed or banded sprays with holk nozzles. Ensure adequate coverage for leaves.	w cone spray
	Armyworms, Com earworms, Fali armyworms, Stink bugs, Webworms	1 to 1½
	Whitefringed beetle adults, Cutworms	2
	SPECIFIC DIRECTIONS: For Cutworm is most effective against species which portions of the plant.	

RESTRICTIONS AND PRECAUTIONS: Observe plant response precaution. Do not apply within 14 days of harvest. Do not apply more than a total of 8 qts. per acre per crop.

PRICKLY PEAR CACTUS

Apply using ground equipment in sufficient volume to ensure good coverage.

,	• •		
Site	Pest	Qts. of This Product Per Acre	
Prickly pear	Cochineal scales (crawlers)	2	
cactus	intervals. For Grasshopper control	CIFIC DIRECTIONS: Apply as needed at 7- to 10-day vals. For Grasshopper control, refer to the "CONTROL PECIFIC PESTS ACROSS MULTIPLE SITES" section.	
RESTRICTION	NS AND PRECAUTIONS: Do not at	only within 3 days of	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 6 qts. per acre per season.

ROOT AND TUBER CROPS

(Except Sugar beets and Sweet potatoes)

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

Crop	Pest	Qts. of This Product Per Acre
Carrots, Garden	Flea beetles, Leafhoppers	1/2 to 1
heets Horse-	Armyworms, Aster leathoppers, Colo- rado potato beetles, Corn earworms, Culworms, European com borers, Fall armyworms, Lace bugs, Lygus bugs, Spittlebugs, Stink bugs, Tarnished plant bugs	1 to 2
ı	SPECIFIC DIRECTIONS: For Cutworm is most effective against species which portions of the plant.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of narvest. Do not apply more than a total of 6 qts. per acre per crop.

SUGAR BEETS

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

Сгор	Pest	Qts. of This Product Per Acre
Sugar beets	Armyworms, Beet leaf beetles, Fall armyworms, Flea beetles, Leafhoppers, Webworms	1 to 1½
	Cutworms	1½
	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 28 days of harvest for roots or forage. Do not apply more than a total of 3 qts. per acre per crop.

SWEET POTATOES

Сгор	Pest	Qts. of This Product Per Acre
Sweet potatoes	Com earworms, Cucumber beetles, Flea beetles, Sweet potato hornworms, Sweet potato weevils, Tortoise beetles, Whitefringed beetles	1 to 2
	Yellowstriped armyworms	2
	SPECIFIC DIRECTIONS: Pre-plant dip for control of Sweet potato weevils: Just prior to planting, dip Sweet potato cuttings in a suspension containing 2 gals, of this product in 100 gals, of water (2% fi. ozs. per gal. of water). For fotiar sprays, repeat applications as necessary, up to a total of 8 times, but not more often than once every 7 days.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. Do not apply more than a total of 8 qts. per acre per crop with inseason sprays. Do not apply more than a total of 1½ qts. per acre as a preplant dip treatment.

SMALL FRUITS AND BERRIES

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

Crop	Pest	Qts. of This Product Per Acre
Blueberries, Caneberries, Cranberries, Grapes, Strawberries	European fruit lecaniums, European raspberry aphids, Flea beetles, Grape leaffolders, Grape leaffolders, Grape leaffolgers, Leaffolgers, Meadow spittlebugs. Omnivorous leaffiers, Rose chafers, Snowy tree crickets, Strawberry bud weevits, Strawberry clippers, Strawberry fruitwoms, Strawberry leaffolgers, Strawberry weevits, Western grapeleaf skeletonizers, Western yellowstriped armyworms	1 to 2
	SPECIFIC DIRECTIONS: In Grapes, control, apply before the first brood is rolls.	
	Blueberry maggots, Cherry fruit- worms, Cranberry fireworms, Cranberry fruitworms, Cranberry twig girdlers, Elm spanworms, Gypsy moths, Spanganothis fruitworms, Tarrished plant bugs	1½ to 2
	Eightspotted foresters, Cutworms, Grape berry moths, June beetles, Omnivorous leafrollers, Orange tortrix, Raspberry fruitworms, Raspberry sawflies, Redbanded leafrollers, Saltmarsh caterpillars	2
	SPECIFIC DIRECTIONS: For Cutwo product is most effective against spe the upper portions of the plant.	

RESTRICTIONS AND PRECAUTIONS: Observe Bee Caution. Do not apply within 7 days of harvest. Do not apply more than a total of 10 qts. per acre per crop.

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

SUNFLOWERS

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

Pest	Qts. of This Product Per Acre
Stem weevils, Sunflower beetles	1 to 11/2
Armyworms, Culworms, Fall armyworms, Sunflower moths	11/2
SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
	Stem weevils, Sunflower beetles Armyworms, Cutworms, Fall armyworms, Sunflower moths SPECIFIC DIRECTIONS: For Cut- product is most effective against s

RESTRICTIONS AND PRECAUTIONS: 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.

TOBACCO

Plant bed and Field Treatment—Repeat treatments as necessary, up to a total of 4 times per crop, but not more often than once every 7 days. Use tower 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	Qts. of This Product Per Acre
Tobacco	Budworms, Fall armyworms, Hornworms, Japanese beetles, June beetles, Suckflies, Tobacco flea beetles	1 to 2
RESTRICTIONS AND PRECAUTIONS: Tobacco may be harvested on the		

RESTRICTIONS AND PRECAUTIONS: Tobacco may be harvested on the cay of treatment. Do not apply more than a total of 8 qts. per acre per crop. Coserve plant response precautions.

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

Crop	Pest	Qts. of This Product Per Acre
Citrus fruits	Avocado leafrollers, California orangedogs, Citrus cutworms, Fruittree leafrollers, Orange tortrix, Western tussock moths	2 to 3
	Citrus rust mites, Eriophyld mites, Plant bugs, Scale insects (Black stales, Brown soft scales, California red scales [except in CA], Citrus snow scales, Yellow scales [except in CA])	3 to 5
	SPECIFIC DIRECTIONS: For Scale crawlers are present. For best continuities, including Citrus rust mites, as populations are low.	rol of Eriophyid
	Apopka weevis (adult), Citrus root weevis (adults), Fuller rose beetles, Little leaf notchers (adult)	5 to 71/2
	CA Only: California red scales, Yellow scales	5 to 16
	SPECIFIC DIRECTIONS: Do not mapplication per season for California when crawlers are present.	
	AND PRECAUTIONS: Observe Bee (ys of harvest. Do not apply more than a t	

OLIVES

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

Crop	Pest	Qts. of This Product Per Acre
Olives	Scale insects (Black scales, Olive scales)	5 to 71/2

RESTRICTIONS AND PRECAUTIONS: Do not apply within 14 days of rarvest. Do not apply more than a total of 15 qts, per acre per crop.

POME FRUITS

Repeat applications as necessary, up to a total of 8 times per crop -(including thinning sprays on Apples), but not more often than once every 14 days.

Crop	Pest	Qts. of This Product Per Acre
Apples,	White apple leafhoppers	1/2 to 11/2
Crabappies,	Apple aphids, Codling moths	1 to 3
Pears, Loquats, Oriental pears	Apple aphids, Apple maggots, Apple	1½ to 3
	mealybugs, Apple rust mites, Bag-	
ľ	worms, California pearslugs (Pear sawfiles), European apple sawfiles,	
	Evespotted bud moths, Fruittree	
	leatrollers, Gypsy moths, Japanese	
ļ	beetes, Lesser appleworms, Lygus	
1	bugs, Orange tortrix, Pearleaf blister mites, Pear psyllas, Pear rust mites,	
}	Periodical cicadas, Plum curculios,	•
	Recbanded eafrollers, Rosy apple	
	aphids, Scale insects (Forbes scales,	
[Lecanium scales, San Jose scales), Tarrished part bugs, Tentiform	
	leafminers, Woolly apple aphids,	
ļ	Yellowheaded fireworms	
	SPECIFIC DRECTIONS: On Apples, a	
	period from full bloom until 30 days after	
	fruit thinning is desired. Use for pest co period also may result in fruit removal.	
	apply when eggs hatch or young nymph	
	Scale control apply when crawlers are	
Apples Only,		1 to 3
for fruit thinning	SPECIFIC DIRECTIONS: Observe Bee	• • •
}	between 80% petal fall and 16 mm fruit	
	rates on hard to thin varieties at the earline 80% petal fall to 6 mm fruit size. Us	
	easy to thin varieties and at the later th	
	is the 10 to 16 mm fruit size. The rate to	
	depend on varieties, tree size, row spa	
	conditions at the time of and following a Consult with the local fruit thinning	
,	area for the proper rate to use unde	
[The optimum spray gallorage will depe	end on the size,
<i>'</i>	planting density, row spacing and amou	
ı	sufficient spray volume to ensure adequito 400 gals, per acre). Avoid spray to t	
	Reduce spray coverage to the lowe	
	tree since overthinning may occur l	
	Factors such as climatic temperature, I	
	tree age, variety, nutrition, previous cro may influence fruit thinning results with t	
	caution to avoid possible overthinning.	
1	effective results, apply under good drying	
	when daytime temperatures (*F) will be the following 1 to 3 days. Application w	
	temperatures in excess of 80°F may re	
	This product may be mixed with other f	
	however, use caution to avoid overthing	
	adverse effects. Consult with local fruit your area for recommendations. Refer	
İ	labels for specific use directions.	p
	Consult with local fruit thinning exp	
Į	for advice on the proper use of this evarieties under your growing condi-	
	PRECAUTIONS: The use of this produ	
	deformity under certain environmental of	
ì	using on any variety of Apples, the user	
	versus benefits when using this product using between 80% petal fall and 6 mm	
l	delicious are more sensitive to this phe	
Ì	particular, the varieties Bisbee, Red Ch	
ļ	are very susceptible to conditions caus	ing fruit deformity.
ļ	Precipitation and temperatures below (_
!	[possibility of fruit deformity. The use will land wetting agents may increase the ri-	
	and injury.	
RESTRICTIONS	AND PRECAUTIONS: Do not apply to	Quince. Do not use

RESTRICTIONS AND PRECAUTIONS: Do not apply to Quince. Do not use on Pears between the light 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. Do not make more than a total of 8 applications per crop.

crop.

FOR PROTECTION OF HONEYBEES: Remove all bee hives from orchard to be treated prior to application. Do not apply this product if bees are actively foraging in orchard. If weed bloom is present, mow the cover crop on the orchard floor prior to applying this product.

STONE FRUITS

		Qts. of This
Crop	Pest	Product Per Acre
Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	Apple pandemis, Black cherry aphids, Cherry fruitworms, Cherry maggots (Cherry fruitworms, Cherry maggots (Cherry fruit files), Codfing 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 leafroppers, Redbanded leafrollers, Rose chafers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Oive scales, Oystershell scales, San Jose scales).	2 to 3
	Tarnished plant bugs, Tussock moths, Variegated leafrollers SPECIFIC DIRECTIONS: Observe E applications as necessary, up to a to crop, but not more often than once e additional application at the dorman timing may be made. For optimum S when crawlers are present. For Less borers, best results have been found spraying limbs and tree trunks at we moth flight.	otal of 3 times per very 7 days. An or delayed dormant cale control, apply er peachtree by thoroughly
	CA ONLY. Black cherry aphids, Cherry fruitworms, Cherry maggots (Cherry fruit fies), Coding moits, Cucumber beetles, Eyespotted bud motits, European earwigs, Fruittree leafrollers, Green fruitworms, Mealy plum aphids, Orange tortrix, Oriental fruit moits, Peach twig borers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershelf scales, San Jose scales), Tamished plant bugs, Tussock moths	3 to 4
•	SPECIFIC DIRECTIONS: Observe B applications as necessary, up to a to crop, but not more often than once e additional application at the dormant timing may be made. For optimum S when crawlers are present. Peach twig borers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershell scales, San Jose scales) SPECIFIC DIRECTIONS: For dorma	stal of 3 times per very 14 days. An or delayed dormant cale control, apply 4 to 5
	dormant timing, apply in combination mended dormant oil. Refer to the do label for additional use directions an	with a recom- rmant oil product

RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest, except in CA, in CA, do not apply within 1 day of harvest. Do not apply more than a total of 14 qts. per acre per crop. Do not apply more than a total of 5 qts. per acre at the domant or delayed dormant timing. Do not apply more than a total of 9 qts. per acre during the production season.

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.

Сгор	Pest	Ots. of This Product Per Acr
Pistachios	Brown soft scales, Lecanium scales, Navel orangeworms	3 to 5
	SPECIFIC DIRECTIONS: Repeat ag necessary, up to a total of 4 times p any applications at the dormant or d timing), but not more often than once Scale control, apply when crawlers a	er crop (including elayed dormant e every 7 days. For
	Scale insects	4 to 5
	SPECIFIC DIRECTIONS: For dormal dormant timing, apply in combination mended dormant oil. Refer to the do label for additional use directions an	mant oil product
harvest. Do not app	AND PRECAUTIONS: Do not apply with more than a total of 15 qts, per acre the dormant or delayed dormant timing.	per crop, including
Almonds, Chestruts, Filberts, Pecans, Walnuts	Black margined aphids, Calico scales, Codling moths, European fruit lecaniums, Fall webworms, Filbert aphids, Filbert leafrollers,	2 to 5
TTGII ILIG	Filbertworms, Frosted scales, Fruitree 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: Observe E	ee Caution Renea
1 1	applications as necessary, up to a to crop (including any applications at the delayed dormant timing), but not more every 7 days. Use lower rates for perfeates. Use higher rates for pests at higher infestations. For Scale controcrawlers are present. For Peach twice results with foliar applications have be	otal of 4 times per e dormant or re often than once sts attacking tacking fruit and for i, apply when borers, best
	making applications in popcom or petthe May brood begins to hatch. For I in Almonds and Walnuts, best results by timing early and mid-season appli	etal fall stages wher Navel orangeworms have been found ications to
	correspond with moth flight peaks. Fi best results have been found by mak when eggs are hatching, repeating a appearance of moths and again 3 to Codling moths in Walnuts, best result by making applications when averag diameters of developing nuts are ½ during middle or late June, as neede	ing applications application in first 4 weeks later. For ts have been found e cross-sectional to ¼ inch and again
	Chestrut weevils, European earwigs	4 to 5
	SPECIFIC DIRECTIONS: For Chest results have been found with 4 applic intervals beginning in late July. The la should be made prior to shuck split, earwigs, thorough coverage of trunks is needed for best results.	ations at weekly ist application For European
Almonds Only	Peach twig borers, Scale insects	4 to 5
•	SPECIFIC DIRECTIONS: For dorma dormant timing, apply in combination mended dormant oil. Refer to the do	with recom-

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

label for additional use directions and restrictions.

FORESTED AREAS AND RANGELAND TREES

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

Crop	Pest	Qts. of This Product Per Acre
Non-urban	Arts, Apple aphids, Armyworms, Ash	1
forests, Tree	whiteflies, Azalea leafminers, Bagworms,	İ
plantations,	Balsam twig aphids, Birch leafminers,	
Planted	Blister beetles, Boxelder bugs, Boxwood	ĺ
Christmas trees, Parks.	leafminers, Browntail moths, Canker- worms, Catalpa sphinx, Chiggers, Cooley	
Rural shelter	spruce gall adelgids, Cutworms, Cypress	}
pelts,	tip moths, Douglas-fir tussock moths,	
Rangeland	Eastern spruce gall adelgids, Elm leaf	}
rees	aphids, Elm leaf beetles, Elm spanworms,	
	Eriophyld mites, European pine shoot moths, Fall armyworms, Flea beetles,	
	Fuchia gat mites, Fuller rose beetles,	
	Gall midges, Gall wasps, Greenstriped	
	mapleworms, Grasshoppers, Hackberry	
	ripplegali makers, Holly bud moths, Holly	
	learminers, Jackpine budworms, Japan-	
	ese beetles, Jeffrey pine needleminers,	
	June beetles, Lace bugs, Leafhoppers, Leafrollers, Locust borers, Maple leafcut-	1
	ters, Mealybugs, Mimosa webworms,	
	Nantucket pine tip moths, Oak leafminers,	
	Oak moths, Oak skeletonizers, Oakworm	
	(complex), Oleander caterpillars, Olive ash	I
	borers, Orangestriped cakworms, Periodical cicadas, Pine loopers, Pine	
	sawflies. Pine spittlebugs, Pitch pine tip	
	moths, Plant bugs, Poirsettia 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, Thombugs, Thrips (exposed),	
:	Ticks, Walnut caterpillars, Webworms,	
	Western hemiock loopers, Western spruce	
	budworms, Willow leaf beetles, Woolly gall aphids, Yellow-poplar weevils	
		
	SPECIFIC DIRECTIONS: Observe plant res Obtain thorough coverage of upper and lower	
	The addition of a sticker may improve resid	
	control Scale insects, treat trunks, stems an	
	to plant foliage. For optimum Worm control,	
	are small. Do not use on syrup-producing Se	
	sap is harvested. Applications for control of	
	on Sugar maple should be made when larva after mining and as cases are being formed	
ĺ	treatments as necessary, up to a total of 2 ti	
i	not more often than once every 7 days.	
	Gypsy moths	% to 1
	SPECIFIC DIRECTIONS: For Gypsy moth c	
	higher rate for heavy infestations.	
j	Eim bark beetles, tos engraver beetles,	2% solution
	Mountain pine beetles, Roundheaded pine	(5 fl. ozs.
	beetles, Spruce beetles, Western pine	CAL VOL 1
		per gal.)
	beetles	
	beetles SPECIFIC DIRECTIONS: Direct Trunk Treat	ment - Effective as
	beetles SPECIFIC DIRECTIONS: Direct Trunk Treat a preventative treatment only. Repeat annua	ment - Effective as lly as required to
	beetles SPECIFIC DIRECTIONS: Direct Trunk Treat	ment - Effective as lly as required to r per 50 sq. ft. of
	beetles SPECIFIC DIRECTIONS: Direct Trunk Treat a preventative treatment only. Repeat annua prevent Beetle attacks. Apply 1 gal. of spray bark prior to Beetle flight or host-tree attack from ground level up, until trunk diameter is	ment - Effective as lly as required to per 50 sq. ft. of Treat tree trunk less than 5 inches.
	beetes SPECIFIC DIRECTIONS: Direct Trunk Treat a preventative treatment only. Repeat annual prevent Beetle attacks. Apply 1 gal. of spray bark prior to Beetle flight or host-tree attack, from ground level up, until trunk diameter is For Elm bark beetles, apply approximately 2	ment - Effective as lly as required to y per 50 sq. ft. of . Treat tree trunk less than 5 inches. 20 to 30 gals. of
	beetles SPECIFIC DIRECTIONS: Direct Trunk Treat a preventative treatment only. Repeat annua prevent Beetle attacks. Apply 1 gal. of spray bark prior to Beetle flight or host-tree attack from ground level up, until trunk diameter is	ment - Effective as lly as required to per 50 sq. ft. of Treat tree trunk less than 5 inches. to to 30 gals. of thorough coverage

poten than once every 6 months.

RESTRICTIONS AND PRECAUTIONS: Do not make more than 2 applications per year. To prepare small volumes of spray mixture, use ½ fl. oz. (approx. 2 tsps.) of this product in an adequate amount of water and apply to 500 sq. ft. where rates of 1 qt. per acre are indicated. DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.

Note: All references to Armyworms on the preceding list of plants refer to the species *Pseudaletia unipuncta*, often called the "True armyworm". Except where indicated otherwise, this product is not Jegistered for control of other Armyworm species. Regional differences have been noted in the susceptibility of certain strains of Fall armyworms to carbaryl. If local experience indicates inadequate control, use an alternative pesticide.

TREES AND ORNAMENTALS

Apply in sufficient volume for adequate coverage. This will vary depending on the plant or tree size, density and stage of growth. Do not use on Boston ivy, Virginia creeper and Maidenhair fern. During early season, it may also injure Virginia and Sand pines.

Сгор	Pest	Qts. of This Product Per Acre
Trees,	Ants, Apple aphids, Armyworms, Ash whiteflies,	1 qt.
Omamentals:	Azalea leafminers, Bagworms, Birch leafminers,	-OR-
Roses,	Blister beetles, Boxelder bugs, Boxwood leaf-	-UR-
lowers, Other	miners, Browntail moths, Cankerworms,	1 fl. oz per
lerbaceous	Catalpa sphinx, Chiggers, Cooley spruce gall	3 gals, of
	adelgids, Cutworms, Cypress tip moths, East-	spray
lants, Shrubs	em spruce gall adelgids, Elm leaf aphids. Elm	-OR-
n commercial	leaf beetles, Elm sparworms, Eriophyld mites, European pine shoot moths, Fall armyworms,	2 tsps. pe
reas and in	Flea beetles, Fuchia gall mites, Fuller rose	gal. of spra
lursery pro-	beetles, Gall midges, Gall wasps, Greenstriped	90 0. 00
uction areas	mapleworms, Grasshoppers, Hackberry ripple-	
	igall 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 hom-	
	worms, Psyllids, Puss caterpillars, Redhumped	
	oakworms, Rose aphids, Rose chafers, Rose	
	slugs, Saddled prominents, Sawflies (exposed).	
	Scale insects (crawlers), Sowbugs, Spiney elm	
ļ	caterpillars, Springtails, Spruce needleminers,	
	Subtropical pine tip moths, Tent caterpitars,	
	Thombugs, Thrips (exposed), Ticks, Wainut	
	caterpillars, Webworms, Western hemlock lioopers, Willow leaf beetles, Woolly gall aphids.	
	Yellow-poplar weevils	
	SPECIFIC DIRECTIONS: Observe plant respons cautions. Obtain thorough coverage of upper and	
	surfaces. The addition of a sticker may improve	
	control. To control scale insects, treat trunks, sten	
	in addition to plant foliage. For optimum Worm of	
	when pests are small. Do not use on syrup-produ	
	maples where sap is harvested. Applications for	control of
	Maple leafcutters on Sugar maple should be mad	te when
	larvae are in 2nd instar after mining and as case	
	formed. Repeat treatments as necessary, up to a	
	times per year, but not more often than once eve	·
	Balsam twig aphids, Cooley spruce gall	1 to 2 qts.
	ladelgids, Douglas-fir tussock moths, Spruce	-OR- 2 to 4
	budworms, Western spruce budworms	tsps. per ga
		of spray
	SPECIFIC DIRECTIONS: Use higher rate when a heavy populations are present.	arge larvae o
	Gypsy moths	¾ to 1
	SPECIFIC DIRECTIONS: For Gypsy moth control higher rate for heavy infestations.	i, use the
	Elm bark beetles, los engraver beetles,	2% solution
	Mountain pine beetles, Roundheaded pine	(5 fl. ozs.
	beetles, Spruce beetles, Western pine beetles	per gal.)
	SPECIFIC DIRECTIONS: Direct Trunk Treatment	- Effective a
	a preventative treatment only. Repeat annually as	
	prevent Beetle attacks. Apply 1 gal. of spray per	
	bark prior to Beetle flight or host-tree attack. Tree	
	from ground level up, until trunk diameter is less	
	For Elm bark beetles, apply approximately 20 to spray mixture for each 50 ft. of Elm tree for thoro	
	TO STATE OF THE PARTY OF LINE FOR THE PARTY OF THE PARTY	はいい こくくいきじつい
	of all bank surfaces on trunks, limbs and twigs. D	o not make
		o not make

RESTRICTIONS AND PRECAUTIONS: Do not make more than 2 applications per year. To prepare small volumes of spray mixture, use 15 ft. oz. (approx. 2 tsps.) of this product in an adequate amount of water and apply to 500 sq. ft. where rates of 1 qt. per acre are indicated. DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.

TURFGRASS

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

Сгор	Pest	Qts. of This Product Per Acr
Golf turf, Sports fields, Sod farms, Domestic and Commercial awns, Cerne- teries, Parks, Campsites, Recreational areas	Arits, Armyworms, Centipedes, Chiggers, Cutworms, Earwigs, Essex skippers, European chafers, Fall armyworms, Fiery skippers, Grasshoppers, Green June beetle larvae, Leafroppers, Lucerne moths, Millipedes, Mosquitoes (adults), Scarab beetle adults (May beetles, June beetles, Japanese beetles, Green June beetles), Sowbugs, Spittlebugs, Springtails, Ticks, Yellowstriped armyworms	2 to 4 (1½ to 3 fl. ozs. per 1,000 sq. ft.)
	SPECIFIC DIRECTIONS: For Armywor Fall armyworn control: Do not imigate to 24 hours following insecticide application beetle grub (larvae) control: Make applicate feeding near the soil surface. Wate grass soon after reatment. Repeat appsary, up to a total of 4 times a year, but once every 7 days.	reated areas within on, For Green June ications when grubs r or irrigate Turf- plications as neces-
	Chinch bugs, Sod webworms (Lawn moths)	6 to 8 (43½ to 6 fl. ozs. per 1,000 sq. fl.)
SPECIFIC DIRECTIONS: For Chin entire grass area rather than just da gation prior to treatment will aid in licide into Turfgrass. Do not irrigate hours following insecticide applications as necessary, up to 2 times poften than once every 7 days.		ged areas. Im- etration of insect- ited areas within 24 Repeat applica-
	Bluegrass billbug larvae, European crane flies, Fleas. White grubs (such as Japanese beetles, Chafer beetles and <i>Phyllophaga</i> spp. larvae), Black turfgrass ataenius beetle larvae, Hyperodes weevis (Bluegrass weevil) larvae	8 (6 fl. ozs. per 1,000 sq. ft.)
	SPECIFIC DIRECTIONS: For Europea: Treatments should be applied in early S April 15) or as recommended by local a extension service agents. Water or inglafter treatment. For White grub control: be made when Grubs are feeding near usually during late March through May of September or as recommended by locatension service agents. Water or inglafter treatment. Repeat applications as times per year, but not more often than	Spring (April 1 to agricultural ate Turfgrass soon Applications should the soil surface, or July through early at agricultural ate Turfgrass soon necessary, up to 2
	Waite grubs (such as Japanese beetles, Chafer beetles and Phyliophaga spp. larvae)	6 (4% fl. ozs. per 1,000 sq. ft.)
	SPECIFIC DIRECTIONS: For White gn Applications should be made when Gru- near the soil surface, usually during late May or July to early September, or as in local agricultural extension service agei limigate Turfgrasses thoroughly soon afti	bs are feeding March through ecommended by nts. Water or
	limidate rendrasses anyone in soon an	CI RESPICE

CONTROL OF SPECIFIC PESTS ACROSS MULTIPLE SITES

Crop	Pest	Qts. of This Product Per Acre
All crops	Grasshoppers	½ to 1½*
on this label	SPECIFIC DRECTIONS: An this product for nymphs on s vegetation. Apply 1 to 1½ qt Grasshoppers or application extended residual control is volumes are appropriate to a	mall plants or sparse is, per acre for mature is to dense foliage or if

"Note: 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.

CONTROL OF TICKS WHICH VECTOR LYME DISEASE

For control of juvenile and adult Ticks which vector Lyme disease, apply the recommended amount in sufficient volume for thorough coverage.

Crop	Pest	Qts, of This Product Per Acre
All crops on this labet Pastures, Forested areas, Wasteland, Right-of-Ways, Hedgerows, Ditchbanks, Roadsides, Setaside and Conservation Reserve	Ixodes spp. (Deer ticks, Bear ticks, Black legged ticks), Amblyomma spp. (Lone star ticks)	1 to 2* (2 to 4 tsps. per gal.)
	SPECIFIC DIRECTIONS: Use higher dense ground cover or heavy leaf lit Target applications for nymphal come any Summer. Control of adult Ticks with late Summer and Fall application on the use spot treatments. Treat experimeter areas where exposure to Ticks may be reintroduced from sun host animals. Re-treat as necessary adequate control levels.**	ter. trol in late Spring or can be obtained ontire area and Ticks may occur. rounding areas on

RESTRICTIONS AND PRECAUTIONS FOR CONTROL OF TICKS WHICH VECTOR LYME DISEASE

*Use the higher rate for heavy Tick infestations.

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.

DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATION OR UNTIL SPRAYS HAVE DRIED.

IMPORTED FIRE ANTS

Crop/Site	Pest	Qts. of This Product Per Volume of Water
Pastures, Range	Imported fire ants	¾ fl. oz. per gai.
lands, Forested areas, Trees and Ornamentals, Turf- grass, Wasteland, Lawns, Cemeteries, Recreational areas (including Turf, Golf courses and Parks)	SPECIFIC DIRECTIONS: Apply a total of 2 gals, of the diluted solution over the surface of each mound or at least 1 qt per 6 inches of mound diameter using a	
Nursery stock, Vegetable trans-	Imported fire ants	1½ qts. per 100 gals.
plants*, Foliage plants, Bedding plants (Outdoor use only)	SPECIFIC DIRECTIONS: Avoid contact with foliage and treat only the growing media when using on bedding plants. Do not make more than one application, either as a root dip or drench treatment (applied to the point of saturation).	

RESTRICTIONS AND PRECAUTIONS: DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL DRENCH HAS DREED, DO NOT USE IN GREENHOUSES.

To prepare small amounts, use ¥ fl. oz. (approx. 1½ thisps.) of this product per each gall of mix where 1½ dts. per 100 gals, are indicated.
*Note: DO NOT USE ON ANY FOOD CROP NOT LISTED ON THIS LABEL.

*Note: DO NOT USE ON ANY FOOD CROP NOT LISTED ON THIS LABE Refer to specific crop section for additional restrictions and precautions.

ADULT MOSQUITO CONTROL

Apply in sufficient gallonage for thorough coverage.

Сгор	Pest	Qts. of This Product Per Acre
Pastures,	Mosquitoes (adults)	1/4 to 1"
Rangeland, Forested lands, Trees and Ornamentals, Turfgrass, Wastelands	SPECIFIC DIRECTIONS: Of shrubbery and areas where a gate. Treat when adult Mosq mornings or late evenings. R necessary*. Use ¼ to ½ qt. p ½ to 1 qt. per acre in low pre For Residual Control in St ply 4 gals, of prepared spray area. Repeat in 3 to 6 month "Note: Refer to individual si label for use limitations and rates higher than listed for the restrictions.	adult Mosquitoes congre- uitoes are active in early lepeat applications as ler 100 gals. In mistblowers essure ground sprayers, ubtropical Regions - Ap- yper 2,000 sq. ft. of surface is or when necessary. Ite listings elsewhere on this

RESTRICTIONS AND PRECAUTIONS: DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATION OR UNTIL SPRAYS HAVE DRIED. May kill shrimp and crabs. Do not use in areas where these are important resources. To prepare small volumes of spray mixture, use ½ fl. oz. (approx. 2 tsps.) of this product in an adequate amount of water and apply to 500 sq. ft. where rates of 1 qt. per acre are indicated.

POULTRY INSECT CONTROL

Site	Pest	Qts. of This Product Per 100 Gals. of Water	
Direct spray on Chickens, Ducks,	Chicken mites, Fleas, Lice, Northern fowl mites	-	
Geese, Game Birds, Pigeons, Turkeys	SPECIFIC DIRECTIONS: For use as a direct spray on birds by, (1) Misting with Electric Fog Machine - Mix ½ qt. (9¾ ft. ozs.) of this product in 1 gal. of spray. Use 1½ gals. per 1,000 Hens in cages, on litter or on slatted floors. Repeat in 4 weeks if necessary. (2) Spraying with knapsack or cylinder type compressed air sprayers - Mix ½ qt. (5.4 ft. ozs.) of this product in 5 gals. of spray. Use 1 gal. per 100 Hens in cage, on litter or on slatted floors. Repeat in 4 weeks if necessary. For Northern fowl mite control, ensure pressured spray penetrates feathers of vent area on birds. Direct spray misting for Chicken mites and Fleas is a supplement to spraying rooms and buildings for control of these pests.		
Poutry quarters	Bedbugs, Chicken mites, Fleas, Lice, Northern fowl mites	4 (2½ tbsps. per gal.)	
	SPECIFIC DIRECTIONS: Apply 1 to 2 gais, of spray mixture with conventional power spray or knapsack equipment per 1,000 sq. ft. of wall, litter or roost surface. Force spray into cracks, Repeat as needed. Avoid spraying nests, eggs and feeding and water troughs.		
'	Fow ticks	16 (10 tbsps. per gal.)	
SPECIFIC DIRECTIONS: Ventilate while spraying.		ile spraying.	

POULTRY INSECT CONTROL

within 7 days of slaughter.

Darkling beetles (Lesser mealworms or Litter beetles)

Pouttry quarters		This Product
i casy quantors	Darkling beetles (Lesser meal- worms or Litter beetles)	0.625 to 1.25 tos. per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: Apply as surface, walls, cracks, posts and cr volume of finished spray to wet all s Optimum application timing is immould flock from, or before placing ne- when Beetles are most active. Ven tion. Avoid contamination of feedin	crevices with sufficient Il surfaces thoroughly, mediately after removing new flock into the house entilate during applica-

PEST CONTROL IN AND AROUND BUILDINGS GENERAL INFORMATION

Note: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Therefore, applications of this product to surfaces where a noticeable residue or discoloration is objectionable should be avoided. Do not apply to carpets or draperies as staining may occur. Care should also be exercised to avoid spotting of wallpaper and fabrics. Do not use this product in commercial food areas of food handling establishments, restaurants or other places where food is prepared or processed. Do not use in serving areas while food is exposed.

INDOORS

Pest	Rate
Crickets, Firebrats, Silverfish	3½ fL ozs. per gal. of water

SPECIFIC DIRECTIONS: Apply as fine, low pressure (20 psi) spot spray or as crack and crevice application to areas where these pests hide, such as baseboards, storage areas, closets, around water piese, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, dishwashers, hot water heaters, the underside of shelves, drawers and similar areas.

Bees and Wasps	3½ fl. ozs. per
	gal, of water

SPECIFIC DIRECTIONS: Thoroughly spray nest and entrance and surrounding areas where insects alight. It is generally advisable to spray the nests in the evening when the insects are less active and have returned to the nest. For best results, check nest carefully one or two days after spraying to ensure complete kill, then remove and destroy nest to prevent emergence of newlyhatched insects.

Brown dog ticks, Feas	,	31/2 fl. ozs. per
_		gal of water

SPECIFIC DIRECTIONS: Thoroughry spray infested areas such as nearby cracks and crevices, along and behand baseboards, window and door frames and other areas where these pests may be present.

Carpenter ants		7 fl. ozs. per
		gal. of water

SPECIFIC DIRECTIONS: Apply to Ant traits, around doors and windows and other places where Ants enter premises. Where possible, apply this product directly to Antinest or infested wood.

Centipedes, Earwigs, Millipedes, Scorpiors	3½ ft. ozs. per
	gal. of water

SPECIFIC DIRECTIONS: Apply around water pipes, doors and windows and other places where these pests enter premises. Spray baseboards, garages, carports, basements and other areas where these pests are found.

Cockroaches	7 fl. ozs. per
	gal. of water

SPECIFIC DIRECTIONS: Apply as a fine, low pressure (20 psi) spot spray or as a crack and crevice application to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, dishwashers, hot water heaters, the underside of shelves, drawers and similar areas.

Note: Efficacy varies with species sensitivity. This product is generally not highly effective in controlling German cockroaches. However, the following may be compolled with the rates as stated: American cockroach, Australian cockroach, Brown cockroach, Smoky brown cockroach and others.

Spiders	31/2 ft, ozs. per gat, of water
SPECIFIC DIRECTIONS: Apply to infested baseboards v	window and door

SPECIFIC DIRECTIONS: Apply to infested caseboards, window and door frames, corners, pipes, storage areas, attics and under eaves. Make spot applications to other areas where these pests are present.

OUTDOORS

PERIMETER TREATMENT—Residual spray for control of Ants, Bees and Wasps, Brown dog ticks, Carpenter ants, Centipedes, Cockroaches, Crickets, Darkling beetles (Lesser mealworms or Litter beetles), Earwigs, Firebrats, Silverfish, Fleas, Millipedes, Scorpions and Spiders. Mix 6½ fluid ounces of this product per gallon of water and apply via power spray or other spray methods.

To help prevent infestations of buildings by the above pests, outside perimeter treatment should be in a band 6 to 10 feet wide and confined to shrub beds, foundation plantings and lawn or soil areas immediately adjacent to the structure. Direct applications to the structures should be minimal and restricted to cracks and crevices and other areas where insects tend to congregate.

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 areas 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

WARRANTY-CONDITION OF SALE

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

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.

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