	ر Environmenta	United States			Regist	tration dment	60. Approval expires 2-28-9 OPP Identifier Number
		Application	n for Pestic	cide - Sect	ion I		
. Company/Product Numb 19713-49	Ðr		1	A Product Mana N HEBERT	iger	3. F	Proposed Classification
I. Company/Product (Name DREXEL CARBARYL	-		<b>₽₩#</b> 07/II	nsecticide-Ro	odenticide Br	anch	
5. Name and Address of Ap	plicant <i>(Include ZIP Co</i>	odej		•			h FIFRA Section 3(c)(3) omposition and labeling
Drexel Chemical Co MEMPHIS, TN 383	•	x 13327	to:	Reg. No			
Check if thi	s is a new address		Prod	luct Name			
			Section -	- 11			
Amendment - Explai	n below.		[ <		labels in repso	inse to	NOTIFICATION
Resubmission in res	ponse to Agency letter	r dated		Agency lette		<u></u>	MAY 2 5 2004
Notification - Explain	below.			Other - Expl	ain below.		
Explanation: Use addition One (1) copy of label (49SP statement is also submitted.		or your record and	d file. Details are Section -	<u></u>	nying cover lette	er. A copy of	the required certification
One (1) copy of label (49SP statement is also submitted.	Thank you.	or your record and	Section -	111	·	of Containe	
One (1) copy of label (49SP statement is also submitted.	Thank you.	or your record and	Section -	111	·	of Containe Metal Plastic	or
One (1) copy of label (49SP statement is also submitted.	Thank you.	No. per	Section -	111	·	of Containe Metal Plastic Glass Paper	or
One (1) copy of label (49SP statement is also submitted.	Thank you.	No. per	Section - Water Soluble Yes No If "Yes" Package wgt	Packaging No. per container	·	of Containe Metal Plastic Glass Paper Other (	or (Specifγ)
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One (1) copy of label (49SP statement is also submitted.	Thank you.	No. per container 4. Size(s) Retail 2 Uthogra Paper gl Stencife for identification Fr Certification this form and al misleading state 3. F	Section - Water Soluble Yes No If "Yes" Package wgt I Container I Container Section - of individual to Title REGISTRATIO on all attachments to ment may be part	III Packaging No. per container Other IV be contected, i N MANAGER thereto are true, unishable by fin	2. Type	of Containe Metal Plastic Glass Paper Other ( Label Direct process this (901) 77	(Specify) lone is epplication.) ne No. (Include Aree Code) '4-4370 6. Qate Application" Received



May 17, 2004

# NOTIFICATION

# Submission of Revised Label per PR Notice 95-1 DREXEL CARBARYL 4L (EPA Reg. No. 19713-49)

MAY 2 5 2004

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

# FOR DREXEL CHEMICAL COMPANY

**42UZ G CHAN** Registration Manager

NOTIFICATION

MAY 2 5 2004

# Drexel Carbaryl 4L Insecticide

For Agricultural or Commercial Use Only. ACTIVE INGREDIENT:

Carbaryi (1-naphthyi	
N-methylcarbamate)	43.4%
OTHER INGREDIENTS:	<u>56.6%</u>
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** 

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

Rinse skin immediately with plenty of water for 15 to 20 minutes

- 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 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.

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 methiodide) are NOT recommended. See NOTE TO PHYSICIAN.

### NOTE TO PHYSICIAN

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

Carbary is an N-methyl carbamate that inhibits cholinesterase. 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 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 intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for abilition should be represented to maintain the stream of the proving form. 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, weak-ness or headache. IN SEVERE CASES, CONVULSIONS, UNCON-SCIOUSNESS AND RESPIRATORY FAILURE MAY OCCUR. SIGNS AND SYMPTOMS MAY OCCUR RAPIDLY FOLLOWING OVEREX-POSURE 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, Polyvinył 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 moditied 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.



• 49SP-0504++ CARBARYL 41 Drige 1 of 11

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 for-aging 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.

### 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) 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 REL 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 or 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 illegal 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 sur-faces 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.

**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 RECIR-CULATE 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 0.5 to 0.75 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 AGITA-TION 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 STATE-MENT"

### 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, 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 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 0.33 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 0.5 to 0.75 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 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 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

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 CARBARYL 4L Page 2 of 11 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-crop-land (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, Olives, Pome fruits, Stone fruits), Tree nut 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), 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 soray 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 necessary up to a total of 3 times not more often than once every 3 control, this product is most effect which feed on the upper portions	as prior to harvest, but 3 days. For Cutworm active against species	
	Apache cicadas, Asparagus beetles, Cutwonns	2 to 4	
	SPECIFIC DIRECTIONS: Applic growth following harvest of spear tions as necessary, but not more 7 days. Do not make more than a tions per year to spears and fem	ears: Repeat applica- re often than once ever n a total of 5 applica-	
harvest. Do not ap	AND PRECAUTIONS: Do not apply to ply more than a total of 6 qts. per acre ply more than a total of 10 qts. per acre	before harvest of	

### **BRASSICA LEAFY VEGETABLE CROPS**

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

Crop	Pest	Qts. of This Product Per Acre
Broccoli, Brussels sprouts, Cauliflower,	Flea beetles, Harlequin bugs. Leafhoppers	0.5 to 1
Cabbage, Chinese cabbage, Collards, Kale, Kohirabi, Mustard greens	Armyworms, Aster leafhoppers, 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 Kohlnabi, 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.

Crop	Pest	Qts. of This Product Per Acre	
Field com, Popcom	Armyworms, Chinch bugs, Com earworms, Com rootworm aduits, Fall armyworms, Fiea beetles, Japanese beetles, Sap beetles, Southwestem com borers, Leafhoppers	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	1.5 to 2	
	SPECIFIC DIRECTIONS: For optin borer control, do not apply in less t per acre by air and 15 gais. of wat	han 3 gals. of water	
	Cutworms, Western bean cutworms	2	
	SPECIFIC DIRECTIONS: For optin control, apply in a 12-inch band ow sufficient volume of water to obtain age. For broadcast application, us by ground or 5 gals, by air per acr control, this product is most effectiv which feed on the upper portions of Western bean cutworms, treat whe averages 15% and at 90 to 100% Treatment after 100% silk emerger effectiveness.	ver the row using in thorough cover- se at least 20 gals. re. For Cutworm ive against species of the plant. For en infestation tassel emergence.	
	D PRECAUTIONS: Observe Bee (		

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, Com earworms, Fall armyworms, Stink bugs, Webworms	1 to 2
	SPECIFIC DIRECTIONS: For optin control, use high gatlonage ground base of the plants.	
	Southwestern corn borers	1.5
	Cutworms	2
; 	SPECIFIC DIRECTIONS: For Cuty product is most effective against s on the upper portions of the plant.	
harvest for grain or	AND PRECAUTIONS: Do not apply v fodder or within 14 days of harvest or ly more than a total of 6 qts. per acre p	grazing of forage or

### RICE

Сгор	Pest	Qts. of This Product Per Acre
Rice	Armyworms, Chinch bugs, Fall armyworms, Leafhoppers, Stink bugs	1 to 1.5
	SPECIFIC DIRECTIONS: Up to 2 applications per crop may be made, but not more often than once eve 7 days.	
	Tadpole shrimp (CA Only)	1.5
	SPECIFIC DIRECTIONS: For optin control, apply to water when pest fi	
harvest for grain or st per crop. May kill shri	D PRECAUTIONS: Do not apply w raw. Do not apply more than a total ( mp, crabs and crayfish. Do not appl lays before or after application of the	of 4 qts. per acre y propanil

### 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.

Crop	Pest	Qts. of This Product Per Acre
Sweet com	Amyworms, Chinch bugs, Com earworms, Com rootworm adults, Fail armyworms, Flea beetles, Japanese beetles, Leafhoppers, Sap beetles, Southwestern com borers	1 to 2
	SPECIFIC DIRECTIONS: For optil control, use ground equipment to a gals. of water per acre and direct a provide thorough coverage.	opply at least 20
	European corn borers	1.5 to 2
	SPECIFIC DIRECTIONS: For opti- borer control, do not apply in less t per acre by air and 15 gals. of wal	han 3 gals. of water
	Cutworms, Western bean cutworms	2
	SPECIFIC DIRECTIONS: For optiti control, apply in a 12-inch band ov sufficient volume of water to obtain For broadcast application, use at I ground or 5 gals, by air per acre. For Cutworm control, this product i against species which feed on the the plant. For Western bean cutworms, treat averages 15% and at 90 to 100% Treatment after 100% slik emerge effectiveness.	er the row using a thorough coverage. east 20 gals. by s most effective upper portions of when infestation tassel emergence.
harvest of ears, with	ND PRECAUTIONS: Do not apply w hin 14 days of harvest or grazing of for odder. Do not apply more than a total	age or within 48

per crop.

WHEAT AND PROSO MILLET 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
Proso millet, Wheat	Flea beetles	0.5 to 1
(DO NOT	Cereal leaf beetles	1
(DO NOT USE IN CA)	SPECIFIC DIRECTIONS: Application is effective against eggs, larvae and adults of the Cereal leaf beetles.	
	Armyworms, Fall armyworms	1 to 1.5
	SPECIFIC DIRECTIONS: Applicati control should be made when Arm feeding on the upper foliage and n not expected to drop below 55°F. If lush growth, use a minimum spray acre to optimize coverage.	worms are actively ight temperatures are applied by air to
	D PRECAUTIONS: Do not apply v	

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.

Crop	Pest	Qts. of This Product Per Acre
Cucumbers,	Melonworms, Pickleworms	0.5 to 1
Melons, Pumpkins, Squash	Cucumber beetles, Flea beetles, Leafhoppers, Squash bugs	1
	SPECIFIC DIRECTIONS: For optin Squash bugs, apply sufficient spra- ough coverage and time sprays for late afternoon.	y volume for thor-
	ND PRECAUTIONS: Do not apply u y more than a total of 6 gts. per acre autions.	

### 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)	Amyworms	1 to 1.5
	ID PRECAUTIONS: Do not apply traw. Do not apply more than a total	

### 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
Alfalfa, Birdsfoot trefoil, Clovers	Blister beetles, Mexican bean beetles	0.5 to 1
	Alfalfa caterpiliars, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafhoppers, Potato leafhoppers, Threecomered alfalfa hoppers, Thrips, Velvetbean caterpillars	1
	Alfalfa blotch leafminers, Army- worms, Cloverhead weevils, Corn earworms, Cutworms, Egyptian alfalfa weevil larvae, Essex skip- pers, European alfalfa beetles, Fall armyworms, Lygus bugs, Stink bugs, Webworms, Yellowstriped armyworms	1 to 1.5
	SPECIFIC DIRECTIONS: For Cutwo product is most effective against sp the upper portions of the plant.	
	Alfatfa weevil larvae (West of the Rocky Mountains)	1 to 1.5
	SPECIFIC DIRECTIONS: For Alfalfa pre-treatment damage is extensive, the stubble. This product is not effect Alfalfa weevils.	cut Alfalfa and treat
	Alfalfa weevil larvae (East of the Rocky Mountains)	1.5
	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 1.5 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, Stiped grass loopers, Thrips, Range caterpillars, Range crane files, Ticks	1 to 1.5
	SPECIFIC DIRECTIONS: To control Thrips in grasses grown for seed, use high spray pressure to improve penetration into the boot. Carefully mark swaths to avoid overapplication.	
	ID PRECAUTIONS: Do not apply to not exceed a total of 3 gts. per act	

### RANGELAND

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

Site	Pest	Qts. of This Product Per Acre
Rangeland	Black grass bugs, Grasshop- pers, Mormon crickets, Range caterpillars, Range crane flies	0.5 to 1
	Ticks	1
RESTRICTIONS same day of treat	AND PRECAUTIONS: May be harve ment. Do not apply more than 1 qt. per	ested or grazed the

### FRUITING VEGETABLES

i.

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.

Crop	Pest	Qts. of This Product Per Acre
Eggplant, Peppers, Tomatoes	Colorado potato beetles, Euro- pean com borers, Fall army- worms, Lace bugs, Stink bugs (suppression), Tamished plant bugs, Thrips (suppression), Tomato fruitworms, Tomato horriworms, Tomato pinworms	1 to 2
	SPECIFIC DIRECTIONS: Thoroug essential to effectively suppress S	
	Flea beetles, Leafhoppers	0.5 to 1
	Cutworms	2
	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	

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

### LEAFY VEGETABLES

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	
Celery, Dandelion, Endive, Lettuce	Flea beetles, Harlequin bugs, Leafhoppers	0.5 to 1	
(Head and Leaf), Parsley, Spinach, Swiss chard	Armyworms, Aster leafhoppers, Corn earworms, Fail armyworms, Imported cabbageworms, Lygus bugs, Spittlebugs, Stink bugs, Tamished plant bugs	1 to 2	
	ND PRECAUTIONS: Do not apply w ly more than a total of 6 qts. per acre		

# 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.

Pest	Qts. of This Product Per Acre
Bean leaf beetles, Blister beetles, Cucumber beetles, Grape colaspis, Green cloverworms, Japanese beetles, Nexican bean beetles, Velvetbean caterpillars	0.5 to 1
Com earworms	0.5 to 1.5
Alfalfa caterpillars, Colorado potato beetles, Fiea beetles, Leafhoppers, Threecomered alfalfa hoppers, Thrips, Western bean cutworms	1
Armyworms, Cutworms, European com borers, Fall armyworms, Stink bugs, Tarnished plant bugs, Webworms	1 to 1.5
SPECIFIC DIRECTIONS: For Cutworm control, the product is most effective against species which the upper portions of the plant.	
Alfalfa loopers (suppression), Cowpea curculios (suppression), Painted ladies (Thistle caterpillars), Pea leaf weevils, Pea weevils, Saltmarsh caterpillars, Woollybear caterpillars, Yellowstriped armyworms	1.5
CA ONLY: Com earworms (sup- pression), Limabean podborers (suppression), Lygus bugs (sup- pression), Stink bugs (suppression)	
	Bean leaf beetles, Blister beetles, Cucumber beetles, Grape colaspis, Green cloverworms, Japanese beetles, Mexican bean beetles, Velvetbean caterpillars Corn earworms Atfalfa caterpillars, Colorado potato beetles, Flea beetles, Leafhoppers, Threecomered atfalfa hoppers, Threecomered atfalfa hoppers, Threecomered atfalfa hoppers, Threecomered atfalfa hoppers, Threecomered atfalfa hoppers, Threecomered atfalfa hoppers, Threecomered atfalfa hoppers, Amyworms, Cutworms, European com borers, Fall amyworms, Stink bugs, Tamished plant bugs, Webworms SPECIFIC DIRECTIONS: For Cutwo product is most effective against spe the upper portions of the plant. Alfalfa loopers (suppression), Cowpea curculios (suppression), Painted ladles (Thistle caterpillars), Pea leaf weevils, Pea weevils, Saltmarsh caterpillars, Woollybear caterpillars, Yellowstriped armyworms CA ONLY: Corn earworms (sup- pression), Limabean podborers (suppression), Ligus bugs (sup-

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. 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
Wasteland, Right- of-Ways, Hedge-	Black grass bugs	0.25 to 0.5
	Mormon crickets, Range caterpillars, Range crane files	0.5 to 1
rows, Ditchbanks, Roadsides	Ticks	1 to 1.5
	ND PRECAUTIONS: Do not apply r forage or hay. Do not apply more	

### OKRA

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

Сгор	Pest	Qts. of This Product Per Acre
Okra	Corn earworms, Stink bugs	1 to 1.5
	SPECIFIC DRECTIONS: Treat on a 6- to 8-day schedule. For Grasshopper control, refer to the "CONTROL OF SPECIFIC PESTS ACROSS MULTIPLE SITES" section.	
RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 6 gts. per crop.		

### PEANUTS

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

Pest	Qts. of This Product Per Acre
Blister beetles, Mexican bean beetles	0.5 to 1
Alfalfa caterpillars, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafhoppers, Red- necked peanutworms, Threecornered alfalfa hoppers, Thrips, Velvetbean caterpillars	1
SPECIFIC DIRECTIONS: For optimum control of Thrips. use directed or banded sprays with hollow cone spray nozzles. Ensure adequate coverage for the underside of leaves.	
Armyworms, Corn earworms, Fail armyworms, Stink bugs, Webworms	1 to 1.5
Whitefringed beetle adults, Cutworms	2
	Blister beetles, Mexican bean beetles, Alfalfa caterpilians, Bean leaf beetles, Cucumber beetles, Green cloverworms, Japanese beetles, Leafhoppers, Red- necked peanutworms, Threecomered alfalfa hoppers, Thrips, Velvetbean caterpillars SPECIFIC DIRECTIONS: For optimum of use directed or banded sprays with holic nozzles. Ensure adequate coverage for f leaves. Armyworms, Com earworms, Fall armyworms, Stink bugs, Webworms Whitefringed beetle adults, Cutworms SPECIFIC DIRECTIONS: For Cutworm is most effective against species which f

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

### PRICKLY PEAR CACTUS

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

Сгор	Pest	Qts. of This Product Per Acre
Prickly pear	Cochineal scales (crawlers)	2
cactus SPECIFIC DRECTIONS: Apply as needed at 7- to tervals. For Grasshopper control, refer to the "COI SPECIFIC PESTS ACROSS MULTIPLE SITES"		the CONTROL OF
	NS AND PRECAUTIONS: Do not apply w apply more than a total of 6 qts. per acre	

### **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	0.5 to 1
beets, Horse- radish, Parsnips, Potatoes, Radishes, Rutabagas, Salsify	Armyworms, Aster leafhoppers, Colo- rado potato beetles, Corn earworms, Cutworms, European corn borers, Fall armyworms, Lace bugs, Lygus bugs, Spittlebugs, Stink bugs, Tamished plant bugs	1 to 2
	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
	AND PRECAUTIONS: Do not apply with oply more than a total of 6 qts. per acre p	



### SUGAR BEETS

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

Crop	Pest	Qts. of This Product Per Acre
Sugar beets	Armyworms, Beet leaf beetles, Fall armyworms, Flea beetles, Leafhoppers, Webworms	1 to 1.5
	Cutworms	1.5
	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
	AND PRECAUTIONS: Do not apply or in forage. Do not apply more than a tot	

### SWEET POTATOES

Сгор	Pest	Qts. of This Product Per Acre
Sweet potatoes	Com earworms, Cucumber beettes, Flea beettes, Sweet potato hornworms, Sweet potato weevils, Tortoise beettes, Whitefringed beettes	1 to 2
	Yellowstriped armyworms	2
SPECIFIC DIRECTIONS: Pre-plant dip Sweet potato weevis: Just prior to plan potato cuttings in a suspension contain this product in 100 gals. of water (2.6 f of water). For foliar sprays, repeat applications a to a total of 8 times, but not more often every 7 days.	planting, dip Sweet ntaining 2 gals. of 2.6 fl. ozs. per gal. ns as necessary, up	
harvest. Do not apply	D PRECAUTIONS: Do not apply we more than a total of 8 qts. per acre ot apply more than a total of 1.2 qts.	per crop with in-

### SMALL FRUITS AND BERRIES

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

Сгор	Pest	Qts. of This Product Per Acre
Blueberries, Caneberries, Cranberries, Grapes, Strawberries	European fruit lecaniums, Euro- pean raspberry aphids, Flea beetles, Grape leaffolders, Grape leaffolders, Japanese beetles, Leafhoppers, Leafrolkers, Meadow spittlebugs, Omnivorous leaftiers, Rose chafers, Snowy tree crickets, Strawberry bud weevils, Strawberry clippers, Strawberry fruitworms, Strawberry leafrollers, Strawberry weevils, Western grapeleaf skele- tonizers, Western yellowstriped armworms	1 to 2
	SPECIFIC DIRECTIONS: In Grapes, control, apply before the first broad is rolls.	
	Blueberry maggots, Cherry fruit- worms, Cranberry fireworms, Cranberry fruitworms, Cranberry twig girdlers, Elm spanworms, Gypsy moths, Sparganothis fruitworms, Tamished plant bugs	1.5 to 2
	Eightspotted foresters, Cutwoms, Grape beny moths, June beetles, Omnivorous leafroilers, Orange tortrix, Raspberry fruitwoms, 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.

Crop	Pest	Qts. of This Product Per Acre
Sunflowers	Stem weevils, Sunflower beetles	1 to 1.5
(DO NOT USE	Armyworms, Cutworms, Fall armyworms, Sunflower moths	1.5
IN CA)	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
grazing or harvest fo	ND PRECAUTIONS: Do not apply or r forage or within 60 days of harvest tal 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 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	Qts. of This Product Per Acre
Tobacco	Budworms, Fall armyworms, Horrworms, Japanese beetles, June beetles, Suckflies, Tobacco flea beetles	1 to 2
RESTRICTIONS AND PRECAUTIONS: Tobacco may be harvested on the day of treatment. Do not apply more than a total of 8 qts. per acre per crop. Observe 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.

Pest	Qts. of This Product Per Acre	
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 scales, Brown soft scales, Cali- fornia 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 contr mites, including Citrus rust mites, an populations are low.	rol of Eriophyid pply when pest	
Apopka weevils (adult), Citrus root weevils (adults), Fuller rose beetles, Little leaf notchers (adult)		
CA Only: California red scales, Yellow scales	5 to 16	
SPECIFIC DIRECTIONS: Do not ma application per season for California when crawlers are present.		
	Avocado leafrollers, California orangedogs, Citrus cutworms, Fruittree leafrollers, Orange tortrix, Western tussock moths Citrus rust mites, Eriophyid mites, Plant bugs, Scale insects (Black scales, Brown soft scales, Cali- fornia red scales [except in CA], Citrus snow scales, Yellow scales [except in CA]) SPECIFIC DIRECTIONS: For Scale crawlers are present. For best contr mites, including Citrus rust mites, ar populations are low. Apopka weevils (adult), Citrus root weevils (adults), Fuller rose beetles, Little leaf notchers (adult) CA Only: California red scales, Yellow scales SPECIFIC DIRECTIONS: Do not m application per season for California	

### 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 7.5
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.		

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**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	0.5 to 1.5
Crabapples,	Apple aphids, Codling moths	1 to 3
Pears, Loquats,	Apple aphids, Apple maggots, Apple	1.5 to 3
Oriental pears	mealybugs, Apple rust mites, Bag-	1.0 0 0
	worms, California pearsiugs (Pear	
	sawflies), European apple sawflies,	
	Eyespotted bud moths, Fruittree	
	leafrollers, Gypsy moths, Japanese	
	beetles, Lesser appleworms, Lygus bugs, Orange tortrix, Pearleaf blister	
	mites, Pear psylas, Pear rust mites,	
	Periodical cicadas, Plum curculos,	
	Redbanded leafrollers, Rosy apple	
	aphids, Scale insects (Forbes scales,	
	Lecanium scales, San Jose scales),	
	Tamished plant bugs, Tentiform	
	leafminers, Woolly apple aphids, Yellowheaded fireworms	
		Landal and alcalana dhan
	SPECIFIC DIRECTIONS: 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 nympt	
	Scale control, apply when crawlers are	present.
Apples Only,	-	1 to 3
for fruit thinning	SPECIFIC DIRECTIONS: Observe Ber	e Caution. Apply
	between 80% petal fall and 16 mm fruit	t size. Use the higher
	rates on hard to thin varieties at the ea	
	the 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 th	
	depend on varieties, tree size, row spa	
	conditions at the time of and following	
	Consult with the local fruit thinning	
	area for the proper rate to use unde	r your conditions.
	The optimum spray gallonage will depe	
	planting density, row spacing and amou	
	sufficient spray volume to ensure adeq to 400 gals, per acre). Avoid spray to t	
	Reduce spray coverage to the lowe	
	tree since overthinning may occur	
	Factors such as climatic temperature,	
	tree age, variety, nutrition, previous cro	
	may influence fruit thinning results with	
	caution to avoid possible overthinning. 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	suit in overthinning.
	This product may be mixed with other t	
	however, use caution to avoid overthing	
	adverse effects. Consult with local fruit your area for recommendations. Refer	
	labels for specific use directions.	
	Consult with local fruit thinning exp	erts in your area
	for advice on the proper use of this	
	varieties under your growing condi	
	PRECAUTIONS: The use of this produ	
	deformity under certain environmental of	
	using on any variety of Apples, the use versus benefits when using this produce	
	using between 80% petal fall and 6 mm	
	delicious are more sensitive to this pho	
	particular, the varieties Bisbee, Red Cl	hief and Vallee Spur
	are very susceptible to conditions caus	ing fruit deformity.
	Precipitation and temperatures below	
	possibility of fruit deformity. The use wi	
	and wetting agents may increase the ri	sk of mult deformity
	and injury.	O. Jane (C
	AND PRECAUTIONS: Do not apply to	
	n the tight flower cluster up to the 20 mm I may result in undesirable fruit thinning a	
	in 3 days of harvest. Do not apply more	
qts. per acre per	crop. Do not make more than a total of	8 applications per
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**

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Сгор	Pest	Qts. of This 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), Codling moths, Cucumber beetles, Eastern tent caterpillars, Eyespotted bud moths, European earwigs, Fruithree 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), Tamished 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 domant timing may be made. For optimum 5 when crawlers are present. For Less borers, best results have been found spraying limbs and tree trunks at we	ntal of 3 times per very 7 days. An t or delayed dormant Scale control, apply ser peachtree I by thoroughly
	moth flight. CA ONLY: Black cherry aphids, Cherry fruitworms, Cherry maggots (Cherry fruit flies), Codling moths, Cucumber beetes, Eyespotted bud moths, European earwigs, Fruittree leafrollers, Green fruitworms, Mealy plurn aphids, Orange tortrix, Oriental fruit moths, Peach twig borers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Ostershell scales, San Jose scales), Tamished plant bugs, Tussock moths	3 to 4
	SPECIFIC DIRECTIONS: Observe E applications as necessary, up to a to crop, but not more often than once e additional application at the domant timing may be made. For optimum 5 when crawlers are present.	otal of 3 times per very 14 days. An t or delayed dormant
	Peach twig borers, Scale insects (Brown soft scales, Forbes scales, Lecanium scales, Olive scales, Oystershell scales, San Jose scales)	4 to 5
	SPECIFIC DIRECTIONS: For doma dormant timing, apply in combination mended dormant oil. Refer to the do label for additional use directions an	n with a recom- irmant oil product
<b>RESTRICTIONS AND PRECAUTIONS:</b> 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 dormant or delayed dormant timing. Do not apply more than a total of 9 qts. per acre during the production season.		harvest. Do not not apply more than nt timing. Do not

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TREE NUT CROPS On all Tree nut crops, apply in sufficient volume for adequate cov-erage. This will vary depending on the pest and its severity, the tree condition, size and density and other factors.

Crop	Pest	Qts. of This Product Per Acre
Pistachios	Brown soft scales, Lecanium scales, Navel orangeworms	3 to 5
	SPECIFIC DIRECTIONS: Repeat ap	plications as
necessary, up to a total of 4 times per crop		er crop (including
	any applications at the dormant or delayed dormant	
	timing), but not more often than once Scale control, apply when crawlers a	
	Scale insects	4 to 5
	SPECIFIC DIRECTIONS: For dormant or delayed dormant timing, apply in combination with a recom-	
	mended dormant oil. Refer to the do	amant oil product
	label for additional use directions an	d restrictions.
	ND PRECAUTIONS: Do not apply w	
	ly more than a total of 15 qts, per acre le dormant or delayed dormant timing.	
Almonds,	Black margined aphids, Calico	2 to 5
Chestnuts.	scales, Codling moths, European	2005
Filberts, Pecans,	fruit lecaniums, Fall webworms,	
Walnuts	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 spittebugs,	
	Pecan weevils, San Jose scales,	
	Twig girdlers, Walnut catenpillars	
	SPECIFIC DIRECTIONS: Observe E	
	applications as necessary, up to a total of 4 times per	
	crop (including any applications at the dormant or delayed dormant timing), but not more often than once	
	every 7 days. Use lower rates for pests attacking	
	leaves. Use higher rates for pests attacking fruit and for	
	higher infestations. For Scale control, apply when crawlers are present. For Peach twig borers, best	
	results with foliar applications have been found by	
	making applications in Popcom 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 application in first appearance of mo	
	4 weeks later. For Codling moths in	
	results have been found by making applications when	
	average cross-sectional diameters of developing nuts are 0.5 to 0.75 inch and again during middle or late	
	June, as needed.	g mode of alla
	Chestnut weevils, European	4 to 5
	earwigs	
	SPECIFIC DIRECTIONS: For Chest	
	results have been found with 4 appli-	
	intervals beginning in late July. The is should be made prior to shuck split.	
	earwigs, thorough coverage of trunks	
	is needed for best results.	
Almonds Only	Peach twig borers, Scale insects	4 to 5
	SPECIFIC DIRECTIONS: For doma	
	dormant timing, apply in combination mended dormant oil. Refer to the do	
	label for additional use directions an	
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		

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.

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depending on the tree size, density and stage of growth.		
Crop/Site	Pest	Qts. of This Product Per Acre
		Qts. of This
	budworms, Willow leaf beetles, Woolly gall aphids, Yellow-poplar weevis SPECIFIC DIRECTIONS: Observe plant res Obtain thorough coverage of upper and low 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 synup-producing S sap is harvested. Applications for control of on Sugar maple should be made when larva after mining and as cases are being formed	er leaf surfaces. lual control. To d twigs in addition treat when pests ugar maples where Maple leafcutters ae are in 2nd instar
	treatments as necessary, up to a total of 2 t	
	not more often than once every 7 days. Gypsy moths	0.75 to 1
ł	SPECIFIC DIRECTIONS: For Gypsy moth on higher rate for heavy infestations.	control, use the
	Ein bark beetes, ips engraver beetes, Mountain pine beetles, Roundheaded pine beetles, Spruce beetles, Western pine beetles	2% solution (5 fl. ozs. per gal.)
	SPECIFIC DIRECTIONS: Direct Trunk Trea a preventative treatment only. Repeat annua prevent Beetle attacks. Apply 1 gal. of spray bark prior to Beetle fight or host-tree attack from ground level up, until trunk diameter is For Elm bark beetles, apply approximately / spray mixture for each 50 ft. of Elm tree for of all bark surfaces on trunks, limbs and twi more than 2 applications per year or repeat offen than once every 6 months.	lily as required to y per 50 sq. ft. of . Treat tree trunk less than 5 inches. 20 to 30 gals. of thorough coverage gs. Do not make
cations per ya (approx. 2 tsp 500 sq. ft. who	NS AND PRECAUTIONS: Do not make ma ar. To prepare small volumes of spray mixtur s.) of this product in an adequate amount of are rates of 1 qt. per acre are indicated. DO OF TREATED AREAS DURING APPLICAT	e, use 0.33 fl. oz. water and apply to NOT ALLOW

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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 registered 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

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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.

Crop/Site	Pest	Qts. of This Product Per Acre
Trees, Ornamentals: (Roses, Flowers, Other Herbaceous plants), Woody plants, Shrubs in commercial	Pest Ants, Apple aphids, Armyworms, Ash whiteflies, Azalea leafminers, Bagworms, Birch leafminers, Blister beetles, Boxekler bugs, Boxwood leaf- miners, Browntail moths, Cankerworms, Catalpa sphirk, Chiggers, Cooley spruce gall adelgids, Cutworms, Cypress tip moths, East- ern spruce gall adelgids, Elm leaf aphids, Elm leaf beetles, Elm spanworms, Erlophyid mites, European pine shoot moths, Fall armyworms, Flea beetles, Fuchia gall mites, Fuller rose beetles, Galt 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, Plich pine tip moths, Plant bugs, Polnsettia hom- worms, Psyllids, Puss caterpillars, Redhumped oakworms, Rose aphids, Rose chafers, Rose stugs, Saddled prominents, Sawflies (exposed), Scale insects (crawlers), Sowbugs, Spiney elm caterpillars, Springtails, Spruce needleminers, Subtropical pine tip moths, Tent caterpillars, Thornbugs, Thrips (exposed), Ticks, Wahut caterpillars, Webworms, Western hemlock loopers, 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	lower leat
	suraces. The addition of a succer may improve t control. To control Scale insects, treat trunks, ster in addition to plant foliage. For optimum Worm cr when pests are small. Do not use on synup-produ- maples where sap is harvested. Applications for Maple leafcutters on Sugar maple should be mac larvae are in 2nd instar after mining and as cases formed. Repeat treatments as necessary, up to a times per year, but not more often than once eve Balsam twig aphids, Cooley spruce gall	ns and twigs ontrol, treat ucing Sugar control of le when s are being total of 6
	adelgids, Douglas-fir tussock moths, Spruce budworms, Western spruce budworms	-OR- 2 to 4 tsps. per gal. of spray
	SPECIFIC DIRECTIONS: Use higher rate when the heavy populations are present. Gypsy moths SPECIFIC DIRECTIONS: For Gypsy moth control	0.75 to 1
	higher rate for heavy infestations. Elm bark beetles, lps engraver beetles, Mountain pine beetles, Roundheaded pine beetles, Spruce beetles, Western pine beetles	2% solution (5 fl. ozs. per gal.)
	SPECIFIC DIRECTIONS: Direct Trunk Treatment 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 i For Elm bark beetles, apply approximately 20 to spray mixture for each 50 ft. of Elm tree for thoro of all bark surfaces on trunks, limbs and twigs. Di- more than 2 applications per year or repeat appl often than once every 6 months.	required to 50 sq. ft. of at tree trunk than 5 inches. 30 gals. of ugh coverage o not make ications more
2 direct trunk ap use 0.33 fl. oz. I water and apply NOT ALLOW P	IS AND PRECAUTIONS: Do not make more that optications per year. To prepare small volumes of (approx. 2 tsps.) of this product in an adequate any to 500 sq. ft. where rates of 1 qt. per acre are int UBLIC USE OF TREATED AREAS DURING API (AYS HAVE DRIED.	spray mixture, nount of dicated. DO

### TURFGRASS

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

Site	Pest	Qts. of This Product Per Acre
Golf turf, Sports fields, Sod farms, Domestic and Commercial lawns, Ceme- teries, Parks, Campsites, Recreational areas	Arits, Armyworms, Centipedes, Chig- gers, Cutworms, Earwigs, Essex skippers, European chafers, Fall armyworms, Fiery skippers, Grass- hoppers, Green June beetle larvae, Learhoppers, Lucerne moths, Milli- pedes, Mosquitoes (adults), Scarab beetle adults (May beetles, June beetles, Japanese beetles, Green June beetles), Sowbugs, Spittlebugs, Springtails, Ticks, Yellowstriped armyworms	2 to 4 (1.5 to 3 fl. ozs. per 1,000 sq. fl.)
	SPECIFIC DIRECTIONS: For Amyworm, Cutworm and Fall armyworm control: Do not irrigate treated areas within 24 hours following insecticide application. For Green June beetie grub (larvae) control: Make applications when grubs are feeding near the soil surface. Water or irrigate Turf- grass soon after treatment. Repeat applications as neces- sary, up to a total of 4 times a year, but not more often than once every 7 days.	
	Chinch bugs, Sod webworms (Lawn moths)	6 to 8 (4.4 to 6 fl. ozs. per 1,000 sq. fl.)
	SPECIFIC DIRECTIONS: For Chinch bug control: Treat entire grass area rather than just damaged areas. Irri- gation prior to treatment will aid in penetration of insect- icide into Turfgrass. Do not irrigate treated areas within 24 hours following insecticide application. Repeat applica- tions as necessary, up to 2 times per year, but not more often than once every 7 days.	
	Bluegrass billbug larvae, European crane flies, Fleas, White grubs (such as Japanese beetles, Chafer beetles and <i>Phyliophaga spp.</i> larvae), Black turfgrass ataenius beetle larvae, Hyperodes weevils (Bluegrass weevil) larvae	8 (6 fl. ozs. per 1,000 sq. fl.)
	SPECIFIC DIRECTIONS: For Europea Treatments should be applied in early 5 April 15) or as recommended by local Extension Service Agents. Water or im after treatment. For White grub control: be made when Grubs are feeding near usually during late March through May of September or as recommended by loc Extension Service Agents. Water or im after treatment. Repeat applications as times per year, but not more often than For White grub control - Applications si when Grubs are feeding near the soil s during late March through May or Juty to or as recommended by local Agricultum agents. Water or imigate Turfgrasses th treatment.	Spring (April 1 to Agricultural gate Turfgrass soon Applications should the soil surface, or July through early al Agricultural gate Turfgrass soon necessary, up to 2 once every 7 days, hould be made surface, usually o early September, al Extension service toroughly soon after
	AND PRECAUTIONS: DO NOT ALLON 5 DURING APPLICATIONS OR UNTIL S	
CONTROL OF SPECIFIC PESTS ACROSS MULTIPLE SITES		

Crop	Pest	Qts. of This Product Per Acre
All crops on this label	Grasshoppers	0.5 to 1.5*
	SPECIFIC DIRECTIONS: Apply 0.5 to 0.75 qt. per acre of this product for nymphs on small plants or sparse vegetation. Apply 1 to 1.5 qts. per acre for mature Grasshoppers or applications to dense foliage or if extended residual control is desired. Be certain spray volumes are appropriate to assure adequate coverage.	
	ndividual site listing elsewhere on the estrictions. Do not use rates higher e 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/Site	Pest	Qts. of This Product Per Acre
All crops on this label: Pastures, Forested areas, Wasteland, Right- of-Ways, Hedge- rows, Ditchbanks, Roadsides, Set- aside and Conser- vetion Reserve Program acreage, Trees and Orna- mentals, Turfgrass, Lawns and Recre- ational Turfgrasses (including Lawns and Perimeters, Golf courses, Sports fields, Cemeteries, Parks and Pastures, Shrubs, Wooded areas, (including: Military posts, Logging camps and Campsites)	Ixodes spp. (Deer ticks, Bear ticks, Black legged ticks), Ambly- omma spp. (Lone star ticks)	1 to 2* (2 to 4 tsps. per gal.)
	SPECIFIC DIRECTIONS: Use higher spray volumes for dense ground cover or heavy leaf litter. Target applications for nymphal control in late Spring or early Summer. Control of adult Ticks can be obtained with late Summer and Fail applications. Do not use spot treatments. Treat entire area and perfmeter areas where exposure to Ticks may occur. Ticks may be reintroduced from surrounding areas on host animals. Re-treat as necessary to maintain adequate control levels.**	

\*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**

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Crop/Site	Pest	Qts. of This Product Per Volume of Water
Pastures, Range- lands, Forested areas, Trees and Omamentals, Turf- grass, Wasteland, Lawns, Cemeteries, Recreational areas (including Turf, Golf courses and Parks)	Imported fire ants	0.75 fl. oz. per gal.
	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 bucket, can or other appropriate equipment. Thoroughly wet mound and surrounding areas to a 4-ft, diameter (12 sq. ft.). Do not disturb mound prior to treatment. Pour solution from a height of about 3 ft. to give sufficient force to break mound apex and flow into Ant tunnels. For best results, apply in cool weather (65 to 80°F) or in early morning or late evening hours. Repeat application if mound activity resumes after 7 days. Treat new mounds as they appear. Pressurized sprays may disturb the Ants and cause migration, reducing product effectiveness.	
Nursery stock, Vegetable trans- plants*, Follage plants, Bedding plants (Outdoor use only)	Imported fire ants	1.5 qts. per 100 gals.
	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 DRIED. DO NOT USE IN GREENHOUSES.

To prepare small amounts, use 0.75 fl. oz. (approx. 1.5 tbsps.) of this product per each gal. of mix where 1.5 qts. per 100 gals. are indicated. Note: DO NOT USE ON ANY FOOD CROP NOT LISTED ON THIS LABEL

Refer to specific crop section for additional restrictions and precautions.

### ADULT MOSQUITO CONTROL

Apply in sufficient gallonage for thorough coverage.

Crop/Site	Pest	Qts. of This Product Per Acre	
Pastures,	Mosquitoes (adults)	0.25 to 1*	
Rangeland, Forested lands, Trees and Ornamentals, Turfgrass, Wastelands	SPECIFIC DRECTIONS: Observe shrubbery and areas where adult M gate. Treat when adult Mosquitoes a mornings or late evenings. Repeat a necessary. Use 0.25 to 0.5 qt. per mistblowers, 0.5 to 1 qt. per acre in ground sprayers. For Residual Control In Subtrop ply 4 gals. of prepared spray per 2, area. Repeat in 3 to 6 months or wit "Note: Refer to individual site listin label for use limitations and restric rates higher than listed for the site restrictions.	osquitoes congre- are active in early applications as 100 gals. in low pressure ical Regions - Ap- 000 sq. ft. of surface hen necessary. gs elsewhere on this tions. Do not use	
RESTRICTIONS AND PRECAUTIONS: DO NOT ALLOW PUBLIC USE			

OF TREATED AREAS DURING APPLICATION OR UNTIL SPRAYS HAVE DRED. May kill shimp and crabs. Do not use in areas where these are important resources. To prepare small volumes of spray mixture, use 0.33 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.

### 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	3.5 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 pipes, 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	3.5 fl. ozs. per gal. of water			
SPECIFIC DIRECTIONS: Thoroughly spray nest and entrance and surround- ing 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. Fur best results, check nest carefully one or two days after spraying to ensure complete kill, then remove and destroy nest to prevent emergence of newly- hatched insects.				
Brown dog ticks, Fleas	3.5 fl. ozs. per gal. of water			
SPECIFIC DIRECTIONS: Thoroughly spray infested areas such as nearby cracks and crevices, along and behind 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 trails, around doors and windows and other places where Ants enter premises. Where possible, apply this product directly to Ant nest or infested wood.				
Centipedes, Earwigs, Millipedes, Scorpions	3.5 fl. 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, distwashers, 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 controlled with the rates as stated: American cockroach, Australian cockroach, Brown cockroach, Smoky brown cockroach and others.				
Spiders	3.5 fl. ozs. per gal. of water			
SPECIFIC DIRECTIONS: Apply to infested baseboards, window and door frames, corners, pipes, storage areas, attics and under eaves. Make spot applications to other areas where these pests are present.				

### OUTDOORS

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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 1% solution or 2.5 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, apply outside perimeter as a course wet spray 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.

May be applied to outdoor sleeping quarters of pets. Do not treat animals. Do not allow animals to use treated area until sprays have dried.

### **RESTRICTIONS AND PRECAUTIONS:**

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

### 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-CONDITIONS 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.



May 17, 2004

Document Processing Desk (NOTIF) Office of Pesticide Programs (7504C) U.S. Environmental Protection Agency Rm 266A, Crystal Mall 2 1921 Jefferson Davis Hwy. Arlington, VA 22202

### Re: Submission of Revised Label by Notification per PR Notice 95-1 DREXEL CARBARYL 4L (EPA Reg. No. 19713-49)

Herewith:

- 1. Completed EPA Form 8570-1.
- 2. One (1) copy of the revised label (49SP-0504++). The following change was made on the label:
  - i) In the Environmental Hazards section, the paragraph, "Note: Add this statement to all container sizes.......Office of the EPA." was deleted. Per <u>PR</u>, <u>Notice</u> 95-1, this only applies to end-use products registered for industrial preservative, water treatment, other industrial processing uses and commercial and institutional uses.
- 3. Certification Statement

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370. My e-mail address is Lchan@drexchem.com.

Thank you.

Respectfully yours, FOR DREXEL CHEMICAL COMPANY

Luz & Chan Registration Manager