10f12 · pMO4 19713-49 9/23/99 A W C 22 - Pending SEP 23 1999 Under the Followi instant Fungicide, and Manaticide as amended, for the probability registered under 19713-49 BPA Rog. No. 19713-49 Drexel

Carbaryl **2**3

For Agricultural or Commercial Use Only

ACTIVE INGREDIENT:

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Carbaryl (1-naphthyl	
N-methylcarbamate)	43.0%
OTHER INGREDIENTS:	
TOTAL:	100.0%
Contains 4 pounds Carbaryl per gallon.	

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below for Practical Treatment (FIRST AID)

EPA Reg. No. 19713-49 EPA Est. No. 19713-TN-1 Net Contents:

PRACTICAL TREATMENT (FIRST AID)

Carbaryl is an N-methyl carbamate insecticide. IF SWALLOWED: Never give anything by mouth to an uncon-scious or convulsing person. If conscious and not convulsing, drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Move from contaminated atmosphere and call a physician.

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.

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 over atropinization. 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 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes 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: Setivation, watery eyes, pinpoint eye pupits, blurred vision, muscle tremors, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea, weak-ness, headache. IN SEVERE CASES, CONVULSION, UNCONSCIOUS-NESS 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, neoprane 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 Personal Protective Equipment. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers used 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. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Contact you Cooperative Agricultural Extension Service for further information.



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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, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides, it contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: 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 Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

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 direc-

tions. 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 for 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 insure proper rate and accurate placement. To clean spray system after use, drain and flush with water and detergent mixture. Rinse thoroughly with clean water. Refer to the "Storage and Disposal" section for disposal instructions. NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Spray deposits on painted or stained surfaces or finishes (i.e., cars, houses, trailers, boats, etc.) should be immediately removed by washing to prevent discoloration. Avoid applications to surfaces where visible spray residues are objectionable.

RESISTANT SPECIES NOTICE: All references to Armyworm on the crops listed below refer to the species. *Pseudaletia unlpuncta*, 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 beetle, Diamondback moth, Fall armyworm and Southern green stink bug to carbaryl. If local experience indicated inadequate control, use an alternative pesticide.

MIXING, LOADING AND HANDLING INSTRUCTIONS TO ASSURE A UNIFORM SUSPENSION, AGITATE, STIR OR RECIR.

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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 ½ to ½ the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of this product and then the remaining volume of water. Include rinse water from container. Prepare only as much spray mixture as can be applied on the day of mixing. MAINTAIN CONTINUOUS AGITATION DURING MIXING AND APPLICATION TO ASSURE A UNIFORM SUSPENSION. DO NOT STORE SPRAY MIXTURE FOR PROLONGED PERIODS OR DEGRADATION OF CARBARYL MAY OCCUR. Local water conditions may also accelerate the degradation of spray mixtures containing carbaryl. See "Compatibility Statement" below.

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 mixture with strong bases, such as Bordeaux, lime-sulfur and casein-lime spreaders, will result in chemical degradation of the insecticide. Do not use this product in water with pH values above 6.0 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 ½ 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 for 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 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 insure 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 shutdown. 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 nonuniform 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 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 Pop Corn, Grain Sorghum, Rice, Sweet Corn, Wheat and Proso Millet); Cotton, Cucurbit Vegetables, Flax, Forage Crops (Alfalfa, Bird's-foot Trefoil, Clovers, Pasture and Grasses Grown for Seed, Rangeland), Fruiting Vegetables, Leafy Vegetables, Legume Vegetables, Noncropland (Conservation Reserve Program-Ditchbanks, Hedgerows, Rights-of-Way, Roadsides, Wasteland), Peanuts, Root and Tuber Crops (except Sugar Beets and Sweet Potatoes), Small Fruits and Berries, Sunflower, 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, Turtgrass, Control of Specific Pests Across Multiple Sites (Adult Mosquito Control, Grasshoppers, Imported fire ants, Ticks which Vector Lyme Disease), Nuisance Pest Control and Poultry Pest Control.

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

Repeat applications as necessary up to a total of 3 times prior to harvest or a total of 5 times per crop but not more often than once every 3 days.

Pest	Quarts of This Product Per Acre
Apache cicada, Asparagus beetle, Cutworms	1 to 2
SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
Apache cicada, Asparagus beetle, Cutworms	2 to 4
SPECIFIC DIRECTIONS: Apply to ferns or brush growth following harvest of spears. Repeat applications as necessary but not more often than every 7 days. Do not make more than a total of 5 applications per year to spears and ferns combined.	
	Apache cicada, Asparagus beetle, Cutworms SPECIFIC DIRECTIONS: For C this product is most effective ag which feed on the upper portion Apache cicada, Asparagus beetle, Cutworms SPECIFIC DIRECTIONS: Apply growth following harvest of spe Repeat applications as necess often than every 7 days. Do not total of 5 applications 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.

Сгор	Pest	Quarts of This Product Per Acre
Broccoli, Brussels Sprouts, Cauliflower, Cabbage, Chinese Cabbage, Collards, Kale, Kohlrabi, Mustard Greens	Flea beetles, Harlequin bug, Leafhoppers	⊭ to 1
	Armyworm, Aster leafhopper, Corn earworm, Diamondback moth, Fall armyworm, Imported cabbageworm, Lygus bugs, Spittle bugs, Stink bugs, Tarnished plant bug	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 toal of 6 quarts per acre per group.

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.

Pest	Quarts of This Product Per Acre
Armyworm, Chinch bugs, Corn earworm, Corn rootworm adults, Fall armyworm, Flea beetles, Japanese beetle, Sap beetles, Southwestern corn borer, Leafhoppers	1 to 2
SPECIFIC DIRECTIONS: For op control, use ground equipment to gallons of water per acre and dir stalk to provide thorough coverage	ect spray toward
European com borer	1% to 2
SPECIFIC DIRECTIONS: For op com barer control, do not apply i gallons of water by ground.	
Cutworms, Western bean cutworm	2
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 gallons by ground or 5 gallons 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 cutworm, treat when infestation averages 15% and at 90 to 100% tassel emer- gence. Treatment after 100% silk emergence will reduce effectiveness.	
	Armyworm, Chinch bugs, Corn earworm, Corn rootworm adults, Fall armyworm, Flea beetles, Japanese beetle, Sap beetles, Southwestem corn borer, Leafhoppers SPECIFIC DIRECTIONS: For op control, use ground equipment to gallons of water per acre and dir stalk to provide thorough coverag European com borer SPECIFIC DIRECTIONS: For op com borer control, do not apply gallons of water by ground. Cutworms, Western bean cutworm SPECIFIC DIRECTIONS: For op control, apply in a 12-inch band of using sufficient volume of water to coverage. For broadcast applicat 20 gallons by ground or 5 gallons For Cutworm control, this product against species which feed on th of the plant. For Western bean cutworm, treat averages 15% and at 90 to 100%

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.

Сгор	Pest	Quarts of This Product Per Acre
Grain Sorghum	Armyworm, Chinch bugs, Corn earworm, Fall armyworm, Stink bugs, Webworms	1 to 2
	SPECIFIC DIRECTIONS: For opl control, use high gallonage groun the base of the plants.	
	Southwestern corn borer	1%
	Cutworms	2
	SPECIFIC DIRECTIONS: For Cu this product is most effective aga feed on the upper portions of the	inst species which
harvest for grain o	ND PRECAUTIONS: Do not apply w r fodder or within 14 days of harvest o not apply more than a total of 6 qu	or grazing of

RICE

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

Crop	Pest	Quarts of This Product Per Acre
	Armyworm, Chinch bugs, Fall armyworm, Leafhoppers, Stink bugs	1 to 1 %
	Tadpole shrimp	112
	SPECIFIC DIRECTIONS: CA On Tadpole shrimp control, apply to 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 quarts per acre per crop. May kill shrimp, crabs and crayfish. Do not apply propanil herbicides within 15 days before or after application of this product or plant injury may result.

SWEET CORN

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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 retreatment interval (3 days) may not provide adequate levels of protection under conditions of rapid growth or severe pest pressure. The use of an alternative product should be considered in conjunction with this product.

Crop	Pest	Quarts of This Product Per Acre
Sweet Corn	Armyworm, Chinch bugs, Corn earworm, Corn rootworm aduits, Fall armyworm, Flea beetles, Japanese beetle, Sap beetles, Southwestern corn borer, Leafhoppers	1 to 2
	SPECIFIC DIRECTIONS: For op control, use ground equipment to gallons of water per acre and dir stalk to provide thorough coverage	ect spray toward
	European corn borer	1 15 to 2
	SPECIFIC DIRECTIONS: For opi com borer control, do not apply i gallons of water by ground.	
	Cutworms, Western bean cutworm	2
	SPECIFIC DIRECTIONS: For op control, apply in a 12-inch band, using sufficient volume of water 1 coverage. For broadcast application, use at by ground or 5 gallons by air per For cutworm control, this product against species which feed on th of the plant. For Western bean cutworm, treat average 15% and at 90 to 100% emergence. Treatment after 100 will reduct effectiveness.	over the row, to obtain thorough acre. t is most effective e upper portions t when infestation tassel

apply more than a total of 16 quarts per acre 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	Quarts of This Product Per Acre
Wheat, Proso Millet	Flea beetles	<u>%</u> to 1
USE IN CA	Cereal leaf beetle	1
(Continued)	SPECIFIC DIRECTIONS: Application is effective against eggs, larvae and adults of the Cereal le bestle.	

Сгор	Pest	Quarts of This Product Per Acre
(Continued) Wheat, Proso Millet	Armyworm, Fall armyworm	1 to 11/2
DO NOT USE IN CA	SPECIFIC DIRECTIONS: Appli worm control should be made a are actively feeding on the upp temperatures are not expected F. If applied by air to hush grow spray volume of 5 gallons per a coverage.	when Armyworms er foliage and night to drop below 55° th, use a minimum
harvest for grain or s	D PRECAUTIONS: Do not apph traw or within 7 days of harvest ian a totat of 3 quarts per acre p	or grazing of forage

CUCURBIT VEGETABLES

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

Стор	Pest	Quarts of This Product Per Acre
Cucumbers, Melons, Pumpkins, Squash	Melonworm, Pickleworm	⅓l01
	Cucumber beetles, Flea beetles, Leafhoppers, Squash bugs	1
	SPECIFIC DIRECTIONS: For optimum control of Squash bugs, apply sufficient spray volume for thorough coverage and time sprays for early morning or late afternoon.	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 3 days of harvest. Do not apply more than a total of 6 quarts 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	Quarts of This Product Per Acre
Flax	Armyworm	1 to 11/2

RESTRICTIONS AND PRECAUTIONS: Do not apply within 42 days of harvest for seed or straw. Do not apply more than a total of 3 quarts per acre per crop.

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FORAGE CROPS

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

Сгор	Pest	Quarts of This Product Per Acre	
Alfalfa, Birdsfoot Trefoil, Clovers	Blister beetles, Mexican bean beetles	½ to 1	
	Alfalfa caterpillar, Bean leaf beetle, Cucumber beetles, Green cloverworm, Japanese beetle, Leafhoppers, Potato leafhopper, Three cornered alfalfa hopper, Thrips, Velvetbean caterpillar	1	
	Alfalfa blotch leafminer, Armyworm, Cloverhead weevil, Corn earworm, Cutworms, Egyptian alfalfa weevil larvae, Essex skipper, European alfalfa beetle, Fall armyworm, Lygus bugs, Stink bugs, Webworms, Yellow striped armyworm	1 to 1½	
	SPECIFIC DIRECTIONS: For Cu this product is most effective aga feed on the upper portions of the	ainst species which	
	Alfalfa weevil larvae (West of the Rocky Mountains)	1 to 1½	
	SPECIFIC DIRECTIONS: For Att if pretreatment damage is extens and treat the stubble. This produ against adult alfalf weevils.	sive, cut alfalfa	
	Alfalfa weevil larvae (East of the Rocky Mountains)	1½	
	SPECIFIC DIRECTIONS: For Alf if pretreatment damage is extens and treat the stubble. This produ against adult alfalf weevils.	sive, cut alfalfa	
plant response preca not apply within 7 da	D PRECAUTIONS: Observe Bee autions. Do not apply more than or bys of harvest or grazing. Do not e Carbaryl may cause a temporary	ce per cutting. Do xceed 1 ½ quarts	

PASTURE AND GRASSES GROWN FOR SEED

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

Сгор	Pest	Quarts of This Product Per Acre
Pasture and Grasses Grown for Seed	Armyworm, Chinch bugs, Essex skipper, Fall armyworm, Striped grass looper, Thrips, Range caterpillar, Range crane fly, Ticks	1 to 1½
	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 over-application.	

RANGELAND

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

Сгор	Pest	Quarts of This Product Per Acre
Rangeland	Black grass bug, Grasshop- pers, Mormon cricket, Range caterpillar, Range crane fly	% to 1
	Ticks	1

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

When disease transmission is suspected, monitor fields following application and retreat if reinfestation occurs, but not more often than once every 7 days.

Сгор	Pest	Quarts of This Product Per Acre
Eggplant, Peppers, Tomatoes	Colorado potato beetle, European com borer, Fall armyworm, Lace bugs, Stink bugs (suppression), Tarnished plant bug, Thrips (suppression), Tomato fruitworm, Tomato hornworm, Tomato pinworm	1 to 2
	SPECIFIC DIRECTIONS: Thorou essential to effectively suppress	
	Flea beetles, Leahoppers	1/2 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 quarts per crop.

Сгор	Pest	Quarts of This Product Per Acre
Eggplant, Peppers, Tomatoes	Colorado potato beetle, European com borer, Fall armyworm, Lace bugs, Stink bugs (suppression), Tamished plant bug, Thrips (suppression), Tomato fruitworm, Tomato hornworm, Tomato pinworm	1 to 2
	SPECIFIC DIRECTIONS: Thorou essential to effectively suppress	
	Flea beetles, Leahoppers	% 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.	
	PRECAUTIONS: Do not apply of more than a total of 8 quarts per	

LEAFY VEGETABLES

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

Сгор	Pest	Quarts of This Product Per Acre
Celery, Dandelion, Endive, Lettuce (head and leaf), Parsley, Spinach, Swiss Chard	Flea beetles, Harlequin bug, Leafhoppers	½ to 1
	Armyworm, Aster leafhopper, Corn earworm, Fail armyworm, Imported cabbageworm, Lygus bugs, Spittlebugs, Stink bugs, Tarriished plant bug	1 to 2

harvest. Do not apply more than a total of 6 quarts per acre per crop.

LEGUME VEGETABLES

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

Сгор	Pest	Quarts of This Product Per Acre
Cowpeas, Fresh and Dried Beans (<i>Phaseolus</i> species including snap, navy and kidney), Fresh	Bean leaf beetle, Blister beetle, Cucumber beetles, Grape colapsis, Green cloverworm, Japanese beetle, Mexican bean beetle, Velvetbean caterpillar	½ to 1
and Dried Peas (Pisum species),	Com earworm	% to1%
Peas, Southern Peas, Soybeans DO NOT USE ON LENTILS IN CA	Alfalfa caterpillar, Colorado potato beetle, Flea beetles, Leafhoppers, Three cornered alfalfa hopper, Thrips, Western bean cutworm	1
	Armyworm, Cutworms, Euro- pean com borer, Fall army- worm, Stink bugs, Tarnished plant bug, Webworms	1 to 1½
	SPECIFIC DIRECTIONS: For Cu this product is most effective aga feed on the upper portions of the Use lower rates for light to mode and smaller instars and to provid survival of beneficial insects and higher rates for heavy population instars.	inst species which plant rate populations e maximum spiders. Use the
	Alfalfa looper (suppression), Cowpea curculio (suppression), Painted lady (Thistle cater- pillar), Pea leaf weevil, Pea weevil, Saltmarsh caterpillar, Woolybean caterpillar, Yelkow- striped armyworm	15
	CA ONLY Corn earworm (suppression), Limabean podborer (suppression), Lygus bugs (suppression), Stink bugs (suppression)	1%

RESTRICTIONS AND PRECAUTIONS: Do not apply within 14 days of grazing or harvest for forage or within 3 days of harvest of fresh beans or peas or within 21 days of harvest of dried beans or peas, seed or hay. Do not apply more than a total of 6 quarts 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.

NONCROPLAND

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

Carefully mark swaths to avoid over-application.

Pest	This Product Per Acre
Black grass bug	% to %
Morman cricket, Range caterpillar, Range crane fly	% to 1
Ticks	1 to 1%
	Black grass bug Morman cricket, Range caterpillar, Range crane fly

PEANUTS

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

Сгор	Pest	Quarts of This Product Per Acra
Peanuts	Blister beetles, Mexican bean beetle	½ to 1
(Continued)		

(Continued) PEANUTS

Сгор	Pest	Quarts of This Product Per Acre
Peanuts	Alfalfa caterpillar, Bean leaf beetle, Cucumber beetle, Green cloverworm, Japanese beetle, Leafhoppers, Rednecked peanutworm, Three cornered alfalfa hopper, Thrips, Velvetbean caterpillar	1
	SPECIFIC DIRECTIONS: For opt Thrips, use directed or banded sp cone spray nozzles. Ensure adec the underside of leaves.	prays with hollow
	Armyworm, Corn earworm, Fali armyworm, Stink bugs, Webworms	1 to 1½
	Whitefringed beetle adults, Cutworms	2
	SPECIFIC DIRECTIONS: For Cut this product is most effective aga feed on the upper portions of the	inst species which

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.

Сгор	Pest	Quarts of This Product Per Acre
Carrots, Garden Beets, Horseradish, Parsnips, Potatoes, Radishes, Ruta- bagas, Salsify	Fiea beetles, Leafhoppers	% to 1
	Armyworm, Aster leafhopper, Colorado potato beetle, Corn earworm, Cutworms, European com borer, Fall armyworm, Lace bugs, Lygus bugs, Spittlebugs, Stink bugs, Tarmished plant bug	1 to 2
	SPECIFIC DIRECTIONS: For Cu this product is most effective aga feed on the upper portions of the	inst species which

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

SUGAR BEETS

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

Сгор	Pest	Quarts of This Product Per Acre
Sugar Beets	Armyworm, Beet leaf beetle, Fail armyworm, flea beetles, Leafhoppers, Webworms	1 to 1½
	Cutworms	1 to 2
	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	

SWEET POTATOES

Стор	Pest	Quarts of This Product Per Acre
Sweet Potatoes	Corn earworm, Cucumber beetles, Flea beetles, Sweet potato hornworm, Sweet potato weevil, Tortoise beetle, White- fringed beetle	1 to 2
	SPECIFIC DIRECTIONS: Pre-pla of Sweet potato weevil: Just prio sweet potato cuttings in a susper gallons of this product is 2.6 fluic gallon of water). For foliar sprays, repeat applicat up to a total of 8 times, but not r once every 7 days.	r to planting, dip nsion containing 2 d ounces per ions as necessary
	Yellowstriped armyworm	2
DESTRICTIONS A	ND PRECAUTIONS. Do not apply	within 7 down of

RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. Do not apply more than a total of 8 quarts per acre per crop with in-season sprays. Do not apply more than a total of 1% quarts per acre as a pre-plant dip treatment.

SMALL FRUITS AND BERRIES

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

Crop	Pest	Quarts of This Product Per Acre	
Blueberries, Caneberries, Cranberries, Grapes, Strawberries	European fruit lecanium, European raspberry aphid, Flea beetles, Grape leaffolder, Grape leaffolder, Japanese beetle, Leafhoppers, Leaffollers, Meadow spittlebug, Omnivorous leaftier, Rose chafer, Snowy tree cricket, Strawberry bud weevil, Strawberry clipper, Strawberry fruitworm, Strawberry leafroller, Strawberry weevil, Western grapeleaf skeletonizer, Western yellowstriped armyworm		
	SPECIFIC DIRECTIONS: In grap leaffolder control, apply before the larvae emerge from rolls.		
	Blueberry maggot, Cherry fruitworm, Cranberry fireworm, Cranberry fruitworms, Cranberry twig girdler, Elm spanworm, Gypsy moth, Spaganothus worm, Tarnished plant bug	1½ to 2	
	Eight-spotted forester, Cutworms, Grape berry moth, June beetle, Omnivorous leafroller, Orange tortrix, Raspberry fruitworm, Raspberry sawfly, Redbanded leafroller, Saltmarsh caterpillar	2	
	SPECIFIC DIRECTIONS: For Cu this product is most effective aga feed on the upper portions of the	inst species which	

RESTRICTIONS AND PRECAUTIONS: Do not apply within 7 days of harvest. Do not apply more than a total of 10 quarts 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.

SUNFLOWERS

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

Сгор	Pest	Quarts of This Product Per Acre
Sunflowers (Do not use in CA)	Stem weevil, Sunflower beetle	1 to 1½
	Armyworm, Cutworms, Fail armyworm, Sunflower moth	1½
	SPECIFIC DIRECTIONS: For Cutworm control, this product is most effective against species which feed on the upper portions of the plant.	
	D PRECAUTIONS: Do not apply	

grazing or harvest for forage or within 60 days of harvest for seed. Do not apply more than a total of 3 quarts 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	Quarts of This Product Per Acre
Tobacco	Budworms, Fall armyworm, Hornworms, Japanese beetle, June beetle, Suckfly, Tobacco flea beetle	1 to 2
RESTRICTIONS	AND PRECAUTIONS: Tobacco may	be harvested or

the day of treatment. Do not apply more than a total of 8 quarts 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.

it	Quarts of This Product Per Acre	
r, California s cutworm, r, Orange ussock moth	2 to 3	
	at applications as as, but not more	
Eriophyid , Scale ale, Brown soft red scale itrus snow le [except in	3 to 5	
e present.	ale control, apply es, including Citrus ations are low.	
duit), Citrus Its), Fuller Ieaf notcher	5 to 7½	
ia red scale,	5 to 16	
season for Cali	ot make more than lifornia red scale. nt.	
r M		

OLIVES

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

Стор	Pest	Quarts of This Product Per Acre
Olives	Scale insects (Olive scale, Black scale)	5 to 7%

POME FRUITS

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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.

Стор	Pest	Quarts of This Product Per Acre
Apples, Crab- apples, Pears, Loquats, Orientat Pears	White apple leafhopper	% to 1%
	Apple aphid, Codling moth	1 to 3
	Apple aphid, Apple maggot, Apple mealybug, Apple rust mite, Bagworms, California pearslug (Pear sawfly) Euro- pean apple sawfly, Eyespotted bud moth, Fruittree leafroller, Gypsy moth, Japanese beetle, Lesser appleworm, Lygus bugs, Orange tortrix, Pearleaf bilster mite, Pear psylia, Pear rust mite, Periodical cicada, Plum curculio, Redbanded leafroller, Rosy apply aphid, Scale in- sects (Forbes scale, Lecanium scale, San Jose scale), Tar- nished plant bug, Tentiform leafminers, Woolly apple aphid, Yellowheaded fireworm	1 % to 3
	SPECIFIC DIRECTIONS: On ap during the period from full bloom full bloom unless fruit thinning is pest control during this period al fruit removal. For Psylla control, hatch or young nymphs are pret control, apply when crawlers are	i until 30 days after desired. Use for lso may result in apply when eggs sent. For Scale
Apples Only, for		1 to 3
Fruit Thinning	SPECIFIC DIRECTIONS: For ea varieties: Apply % to % qt. per 10 mixture. For difficult to thin varie qt. per 100 gals. of spray mixtur 10 and 25 days after full bloom. tree age, variety, nutrition, previ bloom and degree of set favor e thinning with this product. Exerc avoid possible yield reduction. R depending on variety and local Consult with your County Exten: other experts for advice on the product.	00 gal. of spray ties: apply % to 1 e. Apply between Factors such as ous crop, pruning, excessive fruit ise caution to tates may vary orchard conditions. sion Service or
apply to quince. Do to the 20 mm fruit s fruit thinning and/or	ND PRECAUTIONS: Observe Bee not use on pears between the tigh ize. Use during this period may rea deformed fruit. Do not apply within than a brit of 15 guide cer actions	it flower cluster up sult in undesirable 13 days of harvest.

Do not apply more than a total of 15 quarts per acre per crop. Do not make more than a total of 8 applications per crop.

STONE FRUITS

production season.

Repeat applications as necessary up to a total of 3 times per crop but not more often than once every 7 days. An additional application at the dormant or delayed dormant timing may be made.

-	Pest	This Product Per Acre	
Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	Apple pandemis, Black cherry aphid, Cherry fruitworm, Cherry maggot (Cherry fruit fly), Coding moth, Cucumber beetles, Eastern tent caterpillar, Eyespotted bud moth, Euro- pean earwig, Fruittree leafroller, Green fruitworm, Gypsy moth, Japanese beetle, June beetle, Lesser peachtree borer, Mealy plum aphid, Orange tortrix, Oriental fruit moth, Peach twig borer, Periodical cicada, Plum curculio, Prune leafhopper, Redbanded leafroller, Rose chafer, Scale Insects (Brown soft scale, Forbes scale, Lecanium scale, Olive scale, Oystershelf scale, San Jose scale), Tarnished plant bug, Tussock moth, Variegated leafroller	2 to 3	
	SPECIFIC DIRECTIONS: Observ Repeat applications as necessar times per crop, but not more offe 7 days. An additional application delayed dormant timing may be r mum scale control, apply when c present. For Lesser peachtree bo have been found by thoroughly s tree trunks at weekly intervals du	iny up to a total of 3 ten than once every in at the dormant or made. For opti- crawlers are borer, best results spraying limbs and	
	CA ONLY: Black cherry aphid, Cherry fruitworm, Cherry maggot (Cherry fruit fly), Codling moth, Cucumber beetles, Eyespotted bud moth, European earwig, Fruittree leafroller, Green fruitworm, Mealy plum aphid, Orange tortrix, Oriental fruit moth, Peach twig borer, Scale insects (Brown soft scale, Forbes scale, Lecanium scale, Olive scale, Oystershell scale, San Jose scale), Tarnished plant bug, Tussock moth	3 to 4	
	SPECIFIC DIRECTIONS: Observ Repeat applications as necessar times per crop but not more ofter 14 days. An additional applicatio or delayed dormant timing may b optimum scale control, apply who present.	ry up to a total of 3 in than once every on at the domant be made. For	
	Peach twig borer, Scale insects (Brown soft scale, Forbes scale, Lecanium scale, Olive scale, Oystershelt scale, San Jose scale)	4 to 5	
	SPECIFIC DIRECTIONS: For do dormant timing, apply in combina recommended dormant oil. Refer product label for additional use of restrictions	ation with a r to the dormant o	

TREE NUT CROPS

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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.

condition, size and	density, and other factors.	
Сгор	Pest	Quarts of This Product Per Acre
Pistachios	Brown soft scale, Lecanium scale, Navel orangeworm	3 to 5
	SPECIFIC DIRECTIONS: Repeat necessary up to a total of 4 time: (including any applications at the delayed dormant timing), but not once every 7 days. For scale con crawlers are present.	s per crop dormant or more often than
	Scale insects	4 to 5
	SPECIFIC DIRECTIONS: For do dormant timing, apply in combina mended dormant oil. Refer to the product label for additional use d restrictions.	ation with a recom- a dormant oil
harvest. Do not apply	PRECAUTIONS: Do not apply more than a total of 15 quarts per ion at the dormant or delayed dor	r acre per crop,
Aimonds, Chestnuts, Filberts, Pecans, Walnuts	Black margined aphid, Calico scale, Codling moth, European fruit lecanium, Fall webworm, Filbert aphid, Filbert leafroller, Filbertworm, Frosted scale, Fruittree leafroller, Hickory shuckworm, Lesser webworm, Navel orangeworm, Peach twig borer, Pecan leaf phylloxera, Pecan stem phylloxera, Pecan nut casebearer, Pecan spittlebug, Pecan weevil, San Jose scale, Twig girdler, Walnut caterpillar	2 to 5
	SPECIFIC DIRECTIONS: Observer Repeat applications as necessar times per crop (including any applications as necessar) times per crop (including any applications as necessar) dormant or delayed dormant time often than once every 7 days. U pests attacking leaves. Use high attacking fruit and for higher infer control, apply when crawlers are Peach twig borer, best results wittions have been found by makin."popcorn" or petal fall stages who begins to hatch. For Navel orang and walnuts, best results have been found by timing early and midseason appl pond with moth flight peaks. For best results have been found by tions when eggs are hatching, recation in first appearance of mot 4 weeks later. For Codling moth results have been found by makin when average cross-sectional di oping nuts are ½ to ¾ inches and middle or late June as needed. Chestnut weevil, European earwig	y up to a total of 4 plications at the ing), but not more se lower rates for er rates for pests stations. For scale present. For th foliar applica- g applications in en the May brood geworm in almonds een found by ications to corres- Filbert leafroller, making applica- speating appli- hs and again 3 to in walnuts, best ing applications ameters of devel- 1 again during 4 to 5
	SPECIFIC DIRECTIONS: For Ct best results have been found wi weekly intervals beginning in late plication should be made prior to European earwig, thorough cove branches, and nuts is needed for	th 4 applications at a July. The last ap- o shuck split. For arage of trunks,
Almonds Only	Peach twig borer, Scale insects	4 to 5
	SPECIFIC DIRECTIONS: For do dormant timing, apply in combine mended dormant oil. Refer to the product label for additional use of restrictions.	ation with recom-
harvest. Do not apply	D PRECAUTIONS: Do not apply w more than a total of 15 quarts pr tions at the dormant or delayed d	er acre per crop,

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FORESTED AREAS AND RANGELAND TREES

Apply in sufficient volume for adequate coverage. This will vary de

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Сгор	Pest	Quarts of This Product Per Acre
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Non-urban Forests,	Ants, Apple aphid, Armyworm, Ash whitefly, Azalea leafminer, Bag-	1
Free Plantations,		
Planted Christmas	worms, Balsam twig aphid, Birch	
rees, Parks, Rural	leafminer, Blister beetle, Boxelder	
Shelter Belts,	bug, Boxwood leafminer, Brown	
langeland Trees	tall moth, Cankerworms, Cataipa	
	sphinx, Chiggers, Cooley spruce	
	gall adelgid, Cutworms, Cypress	
	tip moth, Douglas-fir tussock moth,	
	Eastern spruce gall adeigid, Elm	
	leaf aphid, Elm leaf beetle, Elm	
	spanworm, Eriophyld mites, Euro-	
	pean pine shoot moth, Fall army-	
	worm, Flea beetle, Fuchia gall	
	mite, Fuller rose beetle, Gall	
	midges, Gall wasps, Greenstriped	
	mapleworm, Grasshoppers, Hack-	
	berry nipplegall maker, Holly bud	
	moth, Holly leafminer, June	
	beetles, Lace bugs, Leafhoppers,	
	Leafrollers, Locust borer, Maple	
	leafcutter, Mealybugs, Mimosa	
	webworm, Nantucket pine tip	
	moth, Oak leafminers, Oak moth,	
	Oak skeletonizer. Oakworm com-	
	plex, Oleander caterpillar, Olive	
	ash borer, Orange-striped cak- worm, Periodical cicada, Pine	
	looper, Pine sawfly, Pine spittle-	
	bug, Pitch pint tip moth, Spruce	
	budworm, Plant bugs, Poinsettia	
	hornworm, Psyllids, Puss cater-	
	pillar, Redhumped oakworm, Rose	
	aphid, Rose chafer, Rose slug,	
	Saddled prominent, Sawflies (ex-	
	posed), Scale insects (crawlers),	
	Sowbugs, Spiney elm caterpiliar,	
	Springtails, Spruce needleminer,	
	Sub-tropical pine tip moth, Tent	
	caterpillars, Thom bug, Thrips (ex-	
	posed), Ticks, Walnut caterpillar,	
	Webworms, Western hemlock	
	looper, Western spruce budworm,	
	Willow leaf beeties, Wooiley gall	
	aphid, Yellow poplar weevil	
	SPECIFIC DIRECTIONS: Observe	Nant reconce
	precautions. Obtain thorough cover	
	lower leaf surfaces. The addition of	
	improve residual control. To control	
	treat trunks, stems and twigs in add	
	foliage. For optimum worm control,	treat when pests.
	are small. Do not use on syrup-proc	tucing sugar
	maples where sap is harvested. Ap	dications for
	control of Maple leafcutter on sugar	maple should be
	made when larvae are in 2nd instar	
	as cases are being formed. Repeat	
	necessary up to a total of 2 times p	
		er year, out not
	more often than once every 7 days.	
	Gypsy moth	% to 1
	SPECIFIC DIRECTIONS: For Gyps	moth control
	use the higher rate for heavy infest	
	Eim bark beetle, lps engraver	2% solution
	beetles, Mountain pine beetle,	(5 fluid ounces
		(5 fluid ounces per gallon)
	beetles, Mountain pine beetle,	
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle	per gallon)
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru	per gallon) nk Treatment -
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment	per gallon) nk Treatment - it only. Repeat
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment annually as required to prevent bee	per gallon) nk Treatment - it only. Repeat the attacks. Apply
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmen annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark	per gallon) nk Treatment - it only. Repeat the attacks. Apply prior to Beetle
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmen annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bank flight or host-tree attack. Treat tree	per gallon) nk Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less	per gallon) nk Treatment - tt only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches.
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Wastern pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxim	per gallon) nk Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less	per gallon) nk Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Wastern pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxim	per gallon) ink Treatment - it only. Repeat te attacks. Apply prior to Beetle trunk from ground than 5 inches. hately 20 to 30 c of elm tree for
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surface	per gallon) ink Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. hately 20 to 30 . of elm tree for ces on trunks,
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmen annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfaa limbs and twigs. Do not make more	per gallon) Ink Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30 of elm tree for zes on trunks, than 2 applica-
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Wastern pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less. For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfact limbs and twigs. Do not make more ions per year or repeat applications	per gallon) Ink Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30 of elm tree for zes on trunks, than 2 applica-
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmen annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfaa limbs and twigs. Do not make more	per gallon) Ink Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30 of elm tree for zes on trunks, than 2 applica-
RESTRICTIONS AN	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Wastern pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less. For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfact limbs and twigs. Do not make more ions per year or repeat applications	per gallon) nk Treatment - t only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30 c of elm tree for ses on trunks, than 2 applica- more often than
	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatmer annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfau limbs and twigs. Do not make more ions per year or repeat applications once every six months. ID PRECAUTIONS: Do not make more	per gallon) ink Treatment - it only. Repeat te attacks. Apply prior to Beetle trunk from ground than 5 inches. hately 20 to 30 c of elm tree for ses on trunks, than 2 applica- more often than re than 2 appli-
ations per year. To	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxim gals. of spray mixture for each 50 ft thorough coverage of all bark surfact limbs and twigs. Do not make more ions per year or repeat applications once every six months. ID PRECAUTIONS: Do not make more greapare small volumes of spray mo	per gallon) ink Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. hately 20 to 30 . of elm tree for ces on trunks, than 2 applica- more often than re than 2 appli- ture, use ½ fi.
ations per year. To z. (approximately 2	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfact limbs and twigs. Do not make more ions per year or repeat applications once every six months. ID PRECAUTIONS: Do not make more reapare small volumes of spray mix teaspoons) of this product in an add	per gallon) ink Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. hately 20 to 30 c of elm tree for ces on trunks, than 2 applica- more often than re than 2 appli- ature, use 1/3 fl. aquate amount
ations per year. To z. (approximately 2 of water and apply i	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment annually as required to prevent bee 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfact limbs and twigs. Do not make more ions per year or repeat applications once every six months. ID PRECAUTIONS: Do not make more repare small volumes of spray mix teaspoons) of this product in an ado o 500 sq. ft. where rates of 1 quart p	per gallon) nk Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30 . of elm tree for ses on trunks, than 2 applica- more often than re than 2 appli- ture, use 1/3 fl. squate amount ser acre are indi-
ations per year. To bz. (approximately 2 of water and apply to cated. DO NOT ALL	beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle SPECIFIC DIRECTIONS: Direct Tru Effective as a preventative treatment annually as required to prevent beet 1 gal. of spray per 50 sq. ft. of bark flight or host-tree attack. Treat tree level up, until trunk diameter is less For Elm bark beetle; apply approxin gals. of spray mixture for each 50 ft thorough coverage of all bark surfact limbs and twigs. Do not make more ions per year or repeat applications once every six months. ID PRECAUTIONS: Do not make more reapare small volumes of spray mix teaspoons) of this product in an add	per gallon) nk Treatment - it only. Repeat the attacks. Apply prior to Beetle trunk from ground than 5 inches. nately 20 to 30 . of elm tree for ses on trunks, than 2 applica- more often than re than 2 appli- ture, use 1/3 fl. squate amount ser acre are indi-

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.

lepending on the	plant or tree size, density and si	age of growth.
Сгор	Pest	Quarts of This Product Per Acre
Trees.	Ants, Apple aphid, Armyworm, Ash	1
Ornamentals:	whitefly, Azalea leafminer, Bag-	
(Roses, Flowers,	worms, Balsam twig aphid, Birch	
Other Herbaceous	learminer, Blister beetle, Boxelder	
Plants), Woody	bug, Boxwood leafminer, Brown	
Plants, Shrubs in	tall moth, Cankerworms, Catalpa	
Commercial and	sphinx, Chiggers, Cooley spruce	
Residental Areas	gall adelgid, Cutworms, Cypress	
and in Nursery	tip moth, Douglas-fir tussock moth,	
Production Areas	Eastern spruce gall adelgid, Elm	
Production Areas	leaf aphid, Elm leaf beetle, Elm	
	spanworm, Eriophyid mites, Euro-	
	pean pine shoot moth, Fall army-	
	worm, Flea beetle, Fuchia gall	
	mite, Fuller rose beetle, Gall	
	midges, Gall wasps, Greenstriped	
	mapleworm, Grasshoppers, Hack-	
	berry nipplegall maker, Holly bud	
	moth, Holly leafminer, June beetle,	
	Lace bugs, Leafhoppers,	
	Leafrollers, Locust borer, Maple	
	leafcutter, Mealybugs, Mimosa	
	webworm, Nantucket pine tip	
	moth, Oak leafminers, Oak moth,	1
	Oak skeletonizer, Oakworm com-	
	plex, Oleander caterpillar, Olive	
	ash borer, Orange-striped oak-	
	worm, Periodical cicada, Pine	
	looper, Pine sawfly, Pine spittle-	
	bug, Pitch pint tip moth, Spruce	
	budworm, Plant bugs, Poinsettia	
	hornworm, Psyllids, Puss cater-	
	pillar, Redhumped oakworm, Rose	1
	aphid, Rose chafer, Rose slug,	
	Saddled prominent, Sawflies (ex-	
	posed), Scale insects (crawlers),	
	Sowbugs, Spiney elm caterpillar,	
	Springtails, Spruce needleminer,	
	Sub-tropical pine tip moth, Tent	
	caterpillars, Thorn bug, Thrips (ex-	
	posed), Ticks, Walnut caterpillar,	
	Webworms, Western hemlock	
	4	
	looper. Western spruce budworm,	
	Willow leaf beetle. Wooly gali	
	aphid, Yellow poplar weevil	
	SPECIFIC DIRECTIONS: Observe	plant response
	precautions. Obtain thorough cover	age of upper and
	lower leaf surfaces. The addition of	
	improve residual control. To control	
	treat trunks, stems and twigs in add	
	foliage. For optimum worm control,	
	Less Theorem Balances and a second second	
	maples where sap is harvested. Ap	
	control of Maple leafcutter on sugar	
	made when larvae are in 2nd instar	
	as cases are being formed. Repeat	
	necessary up to a total of 2 times p	er year, out not
	more often than once every 7 days.	
	Gypsy moth	¥ to 1
	SPECIFIC DIRECTIONS: For Gyps	
	use the higher rate for heavy infest	
	Eim bark beetle, ips engraver	2% solution
	beetles, Mountain pine beetle,	(5 fluid ounces
	Roundheaded pine beetle, Spruce	per gallon)
	beetle, Western pine beetle	
	SPECIFIC DIRECTIONS: Direct Tru	nk Treatment
		-
	Effective as a preventative treatment	
	annually as required to prevent bee	
	1 gal. of spray per 50 sq, ft. of bark	
	flight or host-tree attack. Treat tree	
	level up, until trunk diameter is less	
	For Elm bark beetle; apply approxim	
	galls. of spray mixture for each 50 f	t. of elm tree for
	thorough coverage of all bark surface	
	limbs and twigs. Do not make more	
	ions per year or repeat applications	
	once every six months.	
DESTRUCTIONS	· · _ · _ · _ · _ · _ · _ · _ · _	ore then 2 and
	ID PRECAUTIONS: Do not make m	
	prepare small volumes of spray mix	
(approximately 2 te	aspoons) of this product in an adequi	ste amount

TURFGRASS

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

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Сгор	Pest	Quarts of This Product Per Acre
Golf Turf, Sports Fields, Sod Farms, Domestic and Commercial Lawns, Cemeteries, Parks, Campsites, Recreational Areas	Ants, Armyworm, Centipedes, Chiggers, Cutworms, Earwigs, Essex skipper, European chafer, Fall armyworm, Fiery skipper, Grasshoppers, Green June beetle larvse, Leafhoppers, Lucerne moth, Millipedes, Mosquitoes (adults), Scarab beetle adults (May beetle, June beetle, Japanese beetle, Green June beetle), Sowbugs, Spittlebugs, Springtails, Ticks, Yellowstriped armyworm	2 to 4 (1½ to 3 fl. oz. per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: For Armyo and Fall armyworm control: do not i areas within 24 hours following inse application. For Green June Beetle Control: Make applications when gn near the soil surface. Water or irrige after treatment. Repeat applications to a total of 4 times a year, but not once every 7 days.	rrigate treated cticide Grub (larvae) ubs are feeding ute turfgrass soor as necessary up
	Chinch bugs, Sod webworm (lawn moths)	6 to 8 (4.4 to 6 fl. oz. per 1,000 sg. ft.
	SPECIFIC DIRECTIONS: For Chinc Treat entire grass area rather than i areas. Inrigation prior to treatment w penetration of insecticide into turfgra irrigate treated areas within 24 hour insecticide application. Repeat appli necessary up to 2 times per year, b than once every 7 days.	ust damaged ill aid in ass. Do not s following cations as
	Bluegrass billbug larvae, European crane fly, Fleas, White grubs (Japanese beetle, Chafer beetle and <i>Phyliophaga</i> spp. larvae), Black turfgrass atsenius beetle <i>larvae</i> , Hyperoides weevil (Bluegrass weevil larvae)	(6 fl. oz.
	SPECIFIC DIRECTIONS: For European Crane Fly Control: Treatments should be applied in early Spring, April 1 to April 15, or as recommended by Local Agricultural Extension Service agents. Water or irrigate turfgrass soon after treatment. For White Grub Control: Applications should be made when grubs are feeding near the soil surface, usually during late March through May or July through early September or as recommended by Local Agricultural Extension Service agent. Water or irrigate turfgrass soon after treatment. Repeat applications as necessary up to 2 times per year, but not more often than once every 7 days.	

CONTROL OF SPECIFIC PESTS ACROSS MULTIPLE SITES

Стор	Pest	Quarts of This Product Per Acre	
All Crops on this Label	Grasshoppers	% to 1%*	
	SPECIFIC DIRECTIONS: An acre of this product for nymi sparse vegetation. Apply 1 t mature grasshoppers or app or if extended residual contri spray volumes are appropria coverage.	nphs on small plants or to 1½ quarts per acre for oplications to dense foliage trol is desired. Be certain	
		on this label for use	

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or exceed other use restrictions.

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

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.

Сгор	Pest	Quarts of This Product Per Acre
All Crops on this Label: Pastures, Forested	Ixodes spp. (Deer tick, Bear tick, Black legged tick), Amblyomma spp. (Lone star tick)	1 to 2*
Areas, Wasteland, Rights-of-Way, Hedgerows, Ditchbanks, Roadsides, Set- Aside and Conservation Reserve Program Acreage, Trees and Ornamentals, Turfgrass	SPECIFIC DIRECTIONS: Use the higher rate for heavy tick infestations. ¹ Use higher spray volum dense ground cover or heavy leaf litter. Target applications for nymphal control in late Spring o early Summer. Control of Adult tick can be obtai with late Summer and Fall applications. Do not spot treatments. Treat entire area and perimeter areas where exposure to ticks may occur. Ticks	
RESTRICTIONS AN	D PRECAUTIONS	

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.

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

IMPORTED FIRE ANTS

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Crop/Site	Pest	Quarts of This Product Per Volume of Water
Pastures, Rangelands,	Imported fire ants	% fluid ounce per gallon
Forested Areas, Trees and Omamentals, Turfgrass, Wasteland	SPECIFIC DIRECTIONS: Drench Applications - Apply a total of 2 gallons of the diluted solution over the surface of each mound or at least 1 quart per 6 inches of mound diameter using a bucket, can or other appropriate equipment. Thoroughly wet mound and surrounding areas to a 4 ft. diameter (12 sq. ft.). Do not disturb mound prior to treatment. Pour solution from a height of about three (3) feet 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	Imported fire ants	1½ quarts per 100 gallons
Transplants*, 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).	
OF TREATED AREA HAS DRIED. DO NO To prepare small an	D PRECAUTIONS: DO NOT ALLOV AS DURING APPLICATIONS OR UN DT USE IN GREENHOUSES. Jounts, use 4 fluid ounce (approxima ct per each gallon of mix where 1 ½	TIL DRENCH

poons) of this product per each gallon of mix where 1 ½ quarts per 100

gallons 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.

Сгор	Pest	Quarts of This Product Per Acre
Pastures,	Mosquitoes (adults)	14 to 1*
Rangeland, Forested Lands, Trees and Ornamentals, Turfgrass, Wastelands	SPECIFIC DIRECTIONS: Observe Bee Caution. Treat shrubbery and areas where adult mosquitoes congregate. Treat when adult mosquitoes are acvtive in early mornings or late evenings. Repeat applications as necessary*. Use ½ to ½ quart per 100 galions in mistblowers, ½ to 1 quart per acre in low pressure ground sprayers.	
OF TREATED ARI HAVE DRIED, May	ND PRECAUTIONS: DO NOT . EAS DURING APPLICATION OF y kill shrimp and crabs. Do not u at resources. To prepare small y	R UNTIL SPRAYS

mixture, use x fl. oz. (approximately 2 teaspoons) of this product in an adequate amount of water and apply to 500 sq. ft. where rates of 1 quart per acre are indicated.

*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.

POULTRY INSECT CONTROL

Site	Pest	Quarts of This Product Per 100 Gallons of Water
Direct Spray on Chicken, Ducks,	Chicken mite, Fleas, Lice, Northern fowl mite	~
Geese, Game Birds, Pigeons, Turkeys	SPECIFIC DIRECTIONS: For use as a direct spray on birds by: (1) Misting with Electric Fog Machine - Mix ½ quart (9.6 ounces) of this product in 1 gallon of spray. Use 1½ gallons per 1,000 hens in cages, on litter or on slatted floors. Repeat in 4 weeks if necessary. (2) Spraying with knapsack of cylinder type compressed air sprayers - Mix ½ quarts (5.4 ounces) of this product in 5 gallons of spray. Use 1 gallon 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 mite and Fleas is a supplement to spraying rooms and buildings for control of these pests.	
Poultry Quarters	Bed bugs, Chicken mite, Fleas, Lice, Northern fowl mite	4 (2½ tablespoons per gallon)
	SPECIFIC DIRECTIONS: Apply 1 to 2 gallons of spray mixture with conventional power spray of knapsack equipment per 1,000 square feet of wall litter or roost surface. Force spray into cracks. Repeat as needed. Avoid spraying nests, eggs an feeding and water troughs.	
	Fowl tick	16 (10 tablespoons per gailon)
	SPECIFIC DIRECTIONS: Ventilate while spraying.	

POULTRY INSECT CONTROL

Darkling Beetle (Lesser Mealworm or Litter Beetle)

Site	Pest	Pounds of This Product
Poultry Quarters	Darkling beetle (Lesser mealworm or litter beetle)	% to 1% pounds per 1,000 sq. ft.
	SPECIFIC DIRECTIONS: Apply as a dilute spray to floor surface, walls, cracks, posts and crevices with sufficient volume of finished spray to wet all surfaces thoroughly. Optimum application timing is immediately after removing old flock from, or before placing new flock into the house when Seetles are most active. Ventilate during application. Avoid contamination of feeding and watering units.	
RESTRICTIONS A within 7 days of sl	ND PRECAUTIONS: Do not treat bird	ts or premises

NUISANCE PEST CONTROL

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For use as a perimeter treatment to prevent infestations of buildings, apply the specified dosage in a band 8 to 10 feet wide around the outside perimeter of the structure.

Pest	Rate CARBARYL 4L
Ants, Bees, Brown dog tick, Centipedes, Cockroaches, Crickets, Darkling beetle (Lesser mealworm or Litter beetle), Earwigs, Firebrats, Fleas, Millipedes, Scorpions, Silverfish, Spiders, Wasps	1% solution or 2% fluid ounces per gallon
SPECIFIC DIRECTIONS: Observe plant response preca coarse wet spray in a band 6 to 10 feet wide around the perimeter of buildings. Confine applications to areas imm to the building. Direct application to the structure should	e outside nediately adjacent

restricted to cracks, crevices and areas where insects tend to congregate. For use in and around flower beds and ornamental plantings, apply as a coarse wet spray in and around plant beds.

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 stucco, brick, cinder block, wood, fabrics and carpet. Spray deposits on painted or stained surfaces of finishes (e.g., cars, house trailers, boats, etc.) should be removed immediately by washing to prevent discoloration. Avoid application to surfaces where visible spray residues are objectionable. Staining of fabrics and carpet may be permanent.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS: 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.

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.