



PYRIPROXYFEN	GROUP	7C	INSECTICIDE
CLOTHIANIDIN	GROUP	4A	INSECTICIDE

Specimen Label

ACTIVE INGREDIENTS:

Clothianidin	3.20%
Pyriproxyfen	3.90%
OTHER INGREDIENTS	92.90%
	100.00%

This product contains 0.269 lbs. Clothianidin per gallon and 0.328 lbs. Pyriproxyfen per gallon.

KEEP OUT OF REACH OF CHILDREN

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

See inside for Precautionary statements.

KILLS:

Ants (including Red Imported Fire Ants, Harvester, Pharaoh and Carpenter Ants)	Chinch Bugs	Japanese Beetles	Pillbugs
Aphids	Crane Flies	June Beetles	Scales
Asian Lady Beetles	Crickets	Kudzu Bugs	Silverfish
Boxelder Bugs	Earwigs	Millipedes	Sowbugs
Brown Marmorated Stink Bugs	Fleas	Mole Crickets	Springtails
Centipedes	German Cockroaches	Mosquitoes	
	House Flies	Oriental Beetles	

CONTROLS:

Ants (including Red Imported Fire Ants, Harvester, Pharaoh and Carpenter Ants)	Crane Flies	Mole Crickets
Aphids	Crickets	Oriental Beetles
Asian Lady Beetles	Earwigs	Pillbugs
Boxelder Bugs	Japanese Beetles	Scales
Brown Marmorated Stink Bugs	June Beetles	Silverfish
Chinch Bugs	Kudzu Bugs	Sowbugs
	Millipedes	Springtails

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read and follow ALL label directions when using this product.

PESTICIDE RESISTANCE MANAGEMENT

For resistance-management, Sumari® Insecticide contains both a Group 4 and 7 insecticides. Any insect population may contain individuals naturally resistant to Sumari Insecticide and other Group 4 and 7 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly at the same use sites. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, consider:

- Rotate the use of Sumari Insecticide or other group 4 and 7 insecticides.
- Avoiding the consecutive use of Sumari Insecticide or other Group 4 and 7 insecticides that have a similar target site of action, on the same insect species.
- Basing insecticide use on a comprehensive IPM program.
- Monitor after application for unexpected target pest survival or unexpected adult emergence. If the levels suggest the presence of resistance, consult with your local university specialist.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping, and which considers cultural, biological and other chemical control practices.
- Contact your local extension specialist, and/or manufacturer for insecticide resistance management and or IPM recommendations for the specific site and resistance pest problem.

USE RESTRICTIONS:

- **NOT REGISTERED FOR SALE, DISTRIBUTION OR USE IN THE STATE OF NEW YORK.**
- **OUTDOOR USES IN THE STATE OF CALIFORNIA ARE STRICTLY LIMITED TO PREMISE/ PERIMETER APPLICATIONS TO BUILDINGS OR STRUCTURES.**
- This product does not provide quick knockdown or quick kill of wasps, hornets or yellowjackets. Do not apply to wasp, hornet or yellowjacket nests or areas where they rest, congregate or harbor.
- Do not apply to humans, animals, clothing or human bedding.
- Do not apply within aircraft cabins.
- Do not use in outdoor residential misting systems.
- Do not apply to household pets. Cover fish tanks prior to application near tanks.
- When applying in residential or commercial structures, do not allow spray to contact food or food-containing surfaces, feed or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated with this product.
- Do not allow application to drip or runoff from surfaces. Do not water the treated area to the point of runoff.
- Do not apply this product in poultry houses with a mechanically-pressurized handgun.
- Not for use on plants being grown for sale or other commercial use. Not for use in nurseries, sod farms and golf courses.
- Keep all people and pets out of areas (indoors and outdoors) being treated and restrict access to these areas until all surfaces are dry.

- For outdoor applications: Do not apply more than 0.4 lbs. Clothianidin per acre per year or 1.49 gallons of Sumari Insecticide per acre per year or more than 4.35 fl. oz. of Sumari Insecticide per 1,000 sq. ft. per year.
- In the home all food-processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Food contact surfaces should be thoroughly washed with an effective cleaning compound and rinsed with potable water after use of the product.
- Do not apply this product by any application method to linden, basswood or other *Tilia* species.

SPRAY DRIFT ADVISORIES: Take precautions to minimize spray drift.

USE AREAS:

For use, indoors and outdoors, in the following areas: backyards*, lawns*, trees*, ornamental landscaping*, recreational areas*, parks* and athletic fields*. Also for use in and around homes, schools, warehouses, office buildings, apartment buildings, theaters, hotels, resorts, industrial buildings, motels, camp sites/campgrounds, aircraft cargo areas, kennels, livestock and poultry housing, horse stables, feed lots, zoos, food processing plants, food service establishments, restaurants, outdoor dining areas, supermarkets and grocery stores, transportation equipment, truck trailers, railroad cars and food manufacturing and warehousing establishments. Use only in areas described. For best results, follow directions for specific use areas.

FOOD HANDLING ESTABLISHMENTS

Apply Sumari Insecticide as a spot and/or crack and crevice treatment in both food and non-food areas of food handling establishments where food and food products are held, processed, prepared and served. It also includes areas where food items are: received, prepared, packaged, and stored, as well as enclosed food processing systems (mills, dairies, etc.). Prior to application, remove or cover all food items in area to be treated. Do not apply directly to food or food-handling surfaces. This product should not stain or cause damage to painted or varnished surfaces, plastics, fabrics, or other surfaces where water applied alone causes no damage. Treat a small area and allow it to dry to determine whether staining will occur.

APPLICATION METHODS:

Direct application	Spot, crack and crevice treatment
Outdoor broadcast spray treatment*	Structural perimeter treatment
Foliar spray treatment*	Surface spray treatment

APPLICATION EQUIPMENT:

Including:	Backpack sprayers	Mist sprayers	Power sprayers
Backpack mist blowers	Handheld sprayers	Mechanical sprayers	

* NOT REGISTERED FOR THIS USE IN CALIFORNIA

MIXING INSTRUCTIONS:

Sumari Insecticide should be diluted with water only and applied with hand-pressurized or power-operated equipment. Do not mix this product with oil. Clean equipment before and after use. Agitate the container of Sumari Insecticide before diluting by inverting it several times. For dilution, add approximately half the required water to the tank and then add the appropriate amount of Sumari Insecticide. Agitate and slowly add the remaining water. Agitate the mixture thoroughly before using and occasionally during use to ensure dispersion. Avoid excessive application.

Active Ingredient	Final % Concentration of Active Ingredient (1 fl. oz. per gallon)	Final % Concentration of Active Ingredient (2 fl. oz. per gallon)
Clothianidin	0.025%	0.05%
Pyriproxyfen	0.030%	0.06%
Total % Concentration of all Active Ingredients	0.055%	0.11%

INDOOR USE TO KILL LISTED INSECT PESTS:

Application Site	Pest	Dilution Rate In Water	Application Method(s)
Residential homes, business, office complexes, commercial food handling establishments, institutional and industrial buildings, multi-family residential complexes, Hospital, nursing homes, airports, and schools,	Ants (including Red Imported Fire Ants, Harvester, Pharaoh and Carpenter Ants), Asian Lady Beetles, Kudzu Bugs, Brown Marmorated Stink Bugs, Centipedes, Springtails, Crickets, Mole Crickets, Earwigs, Fleas, House Flies, Millipedes, Pillbugs, Silverfish, Sowbugs, Chinch Bugs, Aphids, Crane Flies, June Beetles, Japanese Beetles, Oriental Beetles, Boxelder Bugs, and Scales.	1 fl. oz. per gallon or 1 fl. oz. in sufficient water to cover 1,000 sq. ft.	Spot treatment Crack and crevice
	German Cockroaches, Mosquitoes	2 fl. oz. per gallon or 2 fl. oz. in sufficient water to cover 1,000 sq. ft.	Spot treatment Crack and crevice
	Wasps, Hornets and Yellowjackets	2 fl. oz. per gallon or 2 fl. oz. in sufficient water to cover 1,000 sq. ft.	Direct application

For small volume indoor applications, see mixing chart below.

Apply as spot or crack and crevice. Low rate is equivalent to 1 fl. oz. per gallon. High rate is equivalent to 2 fl. oz. per gallon.

Volume	Low rate	High rate
Pint (16 fl. oz.)	1/8 fl. oz.	1/4 fl. oz.
Quart (32 fl. oz.)	1/4 fl. oz.	1/2 fl. oz.
Half Gallon (64 fl. oz.)	1/2 fl. oz.	1 fl. oz.
¾ Gallon (96 fl. oz.)	3/4 fl. oz.	1.5 fl. oz.

SPECIFIC USE DIRECTIONS:

Listed Crawling Insects/Pests:

Including: German Cockroaches, Centipedes, Crickets, Millipedes, Earwigs, Silverfish. Make spot and/or crack and crevice applications into harborage areas, cracks and crevices, entry points, under refrigerators, vending machines, around pipe and along baseboards. When applying to German roaches and centipedes, directly spray the pests.

Ants:

Make spot, crack and crevice and/or voids applications where ants may be foraging and/or nesting, including, around doors window frames, under sinks, around pipes, attic venting and other areas where ants may find access or nest.

Fleas:

Apply to infested areas, including rugs, floors, carpets, upholstered furniture, pet beds and resting areas, directly contacting fleas while spraying.

House Flies:

Directly spray house flies.

Wasps, Hornets and Yellowjackets:

Directly spray wasps, hornets and yellowjackets. Do not apply to nests or other areas where wasps, hornets or yellowjackets rest, congregate or harbor.

OUTDOOR USE:

OUTDOOR APPLICATIONS IN THE STATE OF CALIFORNIA ARE LIMITED TO PREMISE AND PERIMETER TREATMENTS TO THE OUTSIDE SURFACES OF BUILDINGS OR STRUCTURE.

Application Site	Pest	Dilution Rate In Water	Application Method(s)
Turfgrasses* and perimeters around residential home lawns*, business, office complexes, commercial, institutional, industrial, multi-family residential complexes, airports, cemeteries*, parks*, playgrounds*, athletic fields*.	Ants (including Red Imported Fire Ants, Harvester, Pharaoh and Carpenter Ants), Asian Lady Beetles, Kudzu Bugs, Brown Marmorated Stink Bugs, Springtails, Crickets, Mole Crickets, Earwigs, Millipedes, Pillbugs, Silverfish, Sowbugs, Chinch Bugs, Aphids, Cutworms, Crane Flies, June Beetles, Japanese Beetles, Oriental Beetle, Boxelder Bugs, and Scales.	Light infestations: 1 fl. oz. per gallon or 1 fl. oz. in sufficient water to cover 1,000 sq. ft.	Broadcast spray treatment*, Foliar spray treatment*, Spot treatment
		Heavy infestations: 2 fl. oz. per gallon or 2 fl. oz. in sufficient water to cover 1,000 sq. ft.	Take precautions to minimize spray drift.
Exterior Structural and Surrounding Areas	Ants (including Red Imported Fire Ants, Harvester, Pharaoh and Carpenter Ants), Asian Lady Beetles, Kudzu Bugs, Brown Marmorated Stink Bugs, Springtails, Crickets, Mole Crickets, Earwigs, Millipedes, Pillbugs, Silverfish, Sowbugs, Chinch Bugs, Aphids, Cutworms, Crane Flies, June Beetles, Japanese Beetles, Oriental Beetle, Boxelder Bugs, and Scales.	Light infestations: 1 fl. oz. per gallon or 1 fl. oz. in sufficient water to cover 1,000 sq. ft.	Spot treatment Treat pests directly where they harbor, rest, trail or hide. Treat structural voids around entryways including doors and windows, utility entry points, behind siding, weep holes, eaves, around lights and garbage cans.
		Heavy infestations: 2 fl. oz. per gallon or 2 fl. oz. in sufficient water to cover 1,000 sq. ft.	
	Wasps, Hornets and Yellowjackets Do not apply to nests or other areas where wasps, hornets or yellowjackets rest, congregate or harbor.	2 fl. oz. per gallon or 2 fl. oz. in sufficient water to cover 1,000 sq. ft.	Direct spray application

SPECIFIC USE DIRECTIONS:

Ants:

Make broadcast*, spot and/or crack and crevice applications to any foraging trails, where ants are present. Make spot and/or crack and crevice applications to all exterior entry points around the structure. Curative and preventative broadcast applications can be made to yards*, lawns*, fields*, parks*, cemeteries*, and landscaping*.

For up to 90 day residual control, apply at these rates per gallon or in sufficient water to cover 1,000 sq. ft.:

Surface/Location	Fire Ants	Pharaoh Ants	Carpenter Ants
Porous surface: outdoors	2 fl. oz.	2 fl. oz.	2 fl. oz.
Porous surface: indoors	1 fl. oz.	1 fl. oz.	2 fl. oz.
Non porous surface: outdoors	2 fl. oz.	1 fl. oz.	2 fl. oz.
Non porous surface: indoors	1 fl. oz.	1 fl. oz.	2 fl. oz.

Fleas:

Directly spray fleas in lawns*, yards*, porches, patios or other areas fleas are present. Directly spray fleas in shaded areas where pets or feral animals frequent. Apply directly to fleas located in pet entry areas including steps and stoops and other areas where pets rest or sit for extended periods of time.

House Flies:

Directly spray house flies where observed on surfaces of screens, doors, window frames, and porches, in garages, on foliage* or wherever flies enter or congregate around or on the building. Directly spray house flies located inside and outside of trash cans, dumpsters and other areas where garbage is kept.

* NOT REGISTERED FOR THIS USE IN CALIFORNIA

PRECAUTIONARY STATEMENTS

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear long-sleeved shirt, long pants, socks and shoes.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutter or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur.


This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging in the treatment area.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

PROTECTION OF POLLINATORS



APPLICATION RESTRICTIONS EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.

Look for the bee hazard icon  in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

This product can kill bees and other insect pollinators

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- o Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- o Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When using this product, take steps to:

- o Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- o Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at:

<http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: www.aapco.org. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product around electrical equipment due to the possibility of shock hazard.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:

Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is away from water, other pesticides, fertilizers, veterinary supplies, food or feed in a place that is inaccessible to children and animals.

PESTICIDE DISPOSAL:

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

CONTAINER HANDLING:

Non-refillable container. Do not reuse or refill this container.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

SUMARI
insecticide

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MGK

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