

SPECIMEN

FINAL

Microcare® 3% CS

Controlled Release Insecticide

KILLS ACCESSIBLE STAGES OF: Angoumois Grain Moths, Ants (excluding Harvester Ants), Asian Lady Beetles, Bees, Boxelder Bugs, Cadelles, Carpet Beetles, Carpenter Ants, Carpenter Bees, Centipedes, Cigarette Beetles, Clover Mites, Cockroaches, Confused Flour Beetles, Crickets, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Firebrats, Fleas, Flies, Fungus Gnats, Fungus Gnat Larvae, Gnats, Grain Mites, Indianmeal Moths, Mealworms, Mealybugs, Mediterranean Flour Moths, Millipedes, Mosquitoes, Moths, Red Flour Beetles, Sawtoothed Grain Beetles, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, Trogoderma, Wasps, Weevils (Granary Weevils and Rice Weevils) and Yellowjackets

FOR USE IN AND AROUND: Bakeries; Beverage Plants; Calf Hutches; Canneries; Dairies; Flour Mills; Federally Inspected Meat and Poultry Plants; Food Handling Establishments; Food Processing Plants; Food Storage Areas; Grain Elevators; Grain Mills; Granaries; Hog Operations; Homes; Horse Barns; Hospitals and Nursing Homes (except patient rooms while occupied); Hotels; Industrial Installations; Kennels; Landscapes; Loafing Sheds; Meat Packing Plants; Milk Rooms; Milking Parlors; Motels; Office Buildings; Poultry Operations, Residences; Restaurants; Schools; Stables; Supermarkets; Transportation Equipment [Airplanes (cargo areas only), Boats, Buses, Railcars, Ships, Trailers and Trucks]; Warehouses and Zoos

ACTIVE INGREDIENTS:

Pyrethrins*, a botanical insecticide	3.0%
Piperonyl Butoxide**	15.0%

OTHER INGREDIENTS: 82.0%

TOTAL: 100.0%

* 1 gallon contains 0.25 lbs of Pyrethrins and 1.25 lbs of piperonyl butoxide

** (butylcarbityl)(6-propylpiperonyl) ether and related compounds

EPA Reg. No. 499-516

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Refer to full label for **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

NET CONTENTS:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709


We create chemistry

FIRST AID

If in eyes

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

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with plenty of soap and water after handling, and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators, mixers and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

User Safety Requirements

Follow 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.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. **DO NOT** reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

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 foraging in the treatment area.

To protect the environment, **DO NOT** allow pesticide to enter or runoff into storm drains, drainage ditches, gutters 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.

Physical or Chemical Hazards

DO NOT spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc.

DO NOT spray directly into any electronic equipment, such as radios, televisions, computers, telephones, etc.

Directions For Use

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

Use Restrictions

- Apply this product only as specified on this label.
- **DO NOT** apply this product directly to domestic (companion animals) such as dogs, puppies, cats or kittens.
- Except when applying to livestock, **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to livestock, only protected applicators may be in treated area during application.
- Except when applying to livestock, **DO NOT** enter or allow others to enter treated area until sprays have dried.
- **DO NOT** apply more than 1 time per day.
- Remove pets, birds and cover fish aquariums before spraying.
- Remove or cover exposed food and drinking water, in the treatment area, before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces in the treatment area, or wash them before use.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies or aquatic habitat can occur. **DO NOT** allow the product to enter any drain during or after application.

- In hospitals and nursing homes, **DO NOT** use in patient rooms while occupied.
- In schools, **DO NOT** apply to classrooms when in use.
- **DO NOT** use in aircraft cabins.
- **DO NOT** make outdoor applications during rain.
- **DO NOT** apply directly to impervious horizontal surfaces such as sidewalks, driveways and patios except as a spot or **Crack & Crevice**[®] treatment. During application, **DO NOT** allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters.
- All outdoor applications, if permitted elsewhere on this label, must be limited to spot or **Crack & Crevice** treatments only, except for the following permitted uses, if allowed elsewhere on this label:
 1. Applications to soil or vegetation, as listed on this label, around structures;
 2. Applications to lawns, turf and other vegetation, as listed on this label;
 3. Applications to the side of a building, up to a maximum height of 3 feet above grade;
 4. Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
 5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed 1 inch in width;
 6. Applications made through the use of a coarse, low-pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutter or surface waters, in order to control occasional invaders or aggregating pests.
- **DO NOT** water the treated area to the point of runoff.
- **DO NOT** wet plants to point of runoff or drip.
- **DO NOT** wet articles to point of runoff or drip.
- **DO NOT** use treated articles until spray has dried.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- When used in grain elevators: Apply to floor and up to 15 feet up interior walls of bins and storage with a light, coarse, fan spray. Apply to bin exterior up to 3 feet from ground. Treat a 3 foot border on ground surrounding the bin. Use sufficient water to cover the treated area, **DO NOT** allow runoff to occur. **DO NOT** apply directly to grain.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store this product in its original container in a cool, dry (preferably locked) place, in an area that is inaccessible to children and animals. **DO NOT** store above 100°F for extended periods of time. Storage below 32°F may cause freezing. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site, in accordance with the label directions, or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable container. DO NOT reuse or refill this container! Empty container by using the product according to the label directions. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse containers small enough to shake

(capacity ≤ 5 gallons) 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 1/4 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.

Triple rinse containers too large to shake

(capacity > 5 gallons) as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Mixing Instructions

Shake container well. Fill spray tank half full with water. Add the appropriate amount of concentrate according to the dilution table. Add remaining water to spray tank and mix well. Agitate material while using. Use 50 mesh screen in sprayer.

Application Instructions

Apply via **Crack & Crevice**[®], direct, spot or surface application method(s). **DO NOT** apply as a space spray.

Hose-end Sprayers

Dilute, as desired, according to the dilution table or specific directions for use. Shake sprayer to disperse the product and shake occasionally during use to maintain dispersion.

Compressed Air Sprayers

For surface applications, apply as a coarse, wet spray at the rate of 1 gallon diluted product per 1,000 square feet of surface. For **Crack & Crevice** applications, inject product at the rate of 1 second per foot. In long running cracks, move injector tip at the rate of 1 second per foot.

Void/Crack & Crevice Application

To treat insects harboring in voids and in cracks and crevices, use equipment designed for void applications. Follow the manufacturer's recommendations for proper equipment setup and operating pressures. Place the tip of the applicator at or into the crack, crevice or void to be treated. Apply product in short bursts while keeping the tip in position. Allow the air stream to push insecticide deep into voids. Apply in such a manner to limit dripping and runoff on structural surfaces and plants.

Dilution Rates		
	Amount of Concentrate (fl ozs)	Amount of Water (gallon)
Clean Out	4 to 5	1
Maintenance	2 to 3	1
Outdoor Use	1 to 2	1

Indoor Use

Dilution Rates	
Amount of Concentrate (fl ozs)	% Pyrethrins/Gallon Finished Spray
5	0.10
4	0.08
3	0.06
2	0.04
1	0.02

Listed Crawling Insects and Spiders

Apply as a **Crack & Crevice** or spot treatment to hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and manholes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible.

Peridomestic Cockroaches

Apply at the 0.10% rate, as a **Crack & Crevice** or spot treatment to hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and manholes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible.

Ants (excluding Harvester Ants)

Treat trails, nests and points of entry around doors, bookcases and storage areas. Apply directly on insects in these locations where possible.

Carpenter Ants

Locate source of infestation. Inject 5 to 10 seconds of product into insect tunnels and cavities.

Bed Bugs

Thoroughly inspect area of suspected bed bug infestation, and note potential harborage sites or actual infestations. Prior to treatment, please ensure that infested bedding (pillows and linens), clothing and other items or obstacles have been removed from the area that may prevent thorough inspection or treatment. Apply to mattresses as a spot treatment to mattress seams, edges and tufts of bed only. **DO NOT** use directly on pillows, bed linens or clothes. **DO NOT** saturate the mattress; and **DO NOT** treat entire surface area of mattress. Allow mattress to dry thoroughly before replacing pillows and/or bed linens.

Bed bugs may also harbor in areas of the room away from the bed. Apply as a **Crack & Crevice** or spot application where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty drawers and clothes closets, night stands and other furniture in the room, carpet edges, high and low wall moldings (such as floor molding or window casings), wall voids, behind wall hangings and mirrors, wallpaper edges and popcorn ceilings. Remove all clothes and other articles from dressers or closets before

application. Take bed apart. Treat joints and channels if hollow, such as square or round tubing, and see that interior framework is treated. Apply as a surface application to carpeting, drapes and flooring. Allow all treated areas to dry thoroughly before use.

Carpet Beetles

Apply on and under edge of floor coverings, under carpets and furniture and in closets or other locations where these insects are found. Entire carpets may be treated.

Ticks

Direct product toward pet beds and resting areas. Treat adjacent cracks and crevices such as behind baseboards and edges of carpet and floor coverings. Treat higher cracks such as upper door jams and window framing, behind pictures and other areas where females may crawl to lay eggs. Allow spray to thoroughly dry before allowing pets to return.

DO NOT treat companion animals, such as dogs, cats, puppies or kittens, with this product.

Stored Product Pests

Apply as a **Crack & Crevice**[®] or spot treatment to localized areas including shelves, cupboards, walls and floors where food products suspected of being infested are stored. Remove or cover food, in the treatment area, before application. This treatment is supplemental to good housekeeping, since it will have no effect on insects inside packaging. Dispose all infested foodstuffs.

Foam Application

This product can be converted to a foam and the foam used to treat structural voids to kill insect and arthropod pests in walls, under slabs or in other void areas. Mix 1 part end-use dilution with 25 parts foaming agent. This will provide adequate coverage and expansion without significant wetting to interior wall surfaces. Verify, before treatment, that the foaming agent is compatible with this product.

Food Handling Establishments

Crack & Crevice, spot or direct spray treatments are permitted within food/feed areas of food handling and processing facilities when facility is not in operation.

DO NOT apply this product as a space spray treatment within food handling and processing facilities.

Food handling establishments are places other than private residences in which food is held, processed, prepared or served.

Food Areas

Include areas for receiving, serving, storing (dry, cold, frozen, raw), packing (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

Non-food Areas

Include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker

rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after canning or bottling).

Apply according to specific directions for pest(s) to be treated under the **Indoor Use** section.

Outdoor Use

DO NOT apply this product through any type of irrigation system or sprinkler systems, cold ULV foggers, thermal foggers or handheld, aerosol mister/foggers. Apply only as a surface application by backpack, hose-end sprayer, hydraulic sprayer or compressed air sprayer.

Listed Flying Insects

Treat outside surfaces of screens, doors, window frames or wherever insects may enter indoors. Also treat surfaces around light fixtures on porches, in garages and other places insects alight or congregate.

Mosquitoes, Flies and Gnats

Apply as a wet spray to open areas near homes, buildings and in campgrounds. Treat shrubbery, vegetation and other areas where these pests may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Treatment of vegetation in water from land is also permitted by allowing wind to move product into vegetation, but application of this product directly to any body of water is prohibited.

Listed Crawling Insects and Spiders

For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, treat infested areas. For ants, wet hills and runways. Repeat applications as infestation warrants and as reinfestations occur. For ants and spiders, apply product to cracks and crevices where insects may enter premises or harbor. Areas to be treated include weep holes, under siding, wall voids, soffits, eaves around attic vents, cracks and crevices, openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted.

Peridomestic Cockroaches

Apply at the 0.10% rate, as a **Crack & Crevice** or spot treatment to hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and manholes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible.

Structural Perimeter Treatment

To reduce infestations of buildings, treat a band of soil 6 to 10 feet wide around and adjacent to the building. Also treat the building foundation to a maximum height of 3 feet above grade. Applications around potential pest entry points where pests are active and may find entrance into buildings are limited to a surface band not to exceed 1 inch in width. Treat the underside of eaves, soffits, doors, windows, under siding and eaves of structures. This product may be applied in compressed air, backpack or low-pressure power spray equipment at the rate of 1 to 4 fluid ounces of concentrate per 1,000 square feet (see chart below). Apply in sufficient water to adequately cover the

area being treated. Apply in such a manner to limit dripping and runoff, and **DO NOT** allow this product to enter or runoff into storm drains, drainage ditches, gutters or surface waters.

Suggested Mixing Rates

Application Rate per 1,000 square feet (Amount of Concentrate in fl ozs)	Tank Sizes in Gallons (Amount of Concentrate in fl ozs)			
	1	3	15	50
1	1	3	5	10
2	2	6	10	20
3	3	9	15	30
4	4	12	20	40

Mosquitoes, Flies and Gnats

For pests in open areas near homes, buildings and in campgrounds, apply as a surface spray to shrubbery and vegetation, and other areas where these pests may rest. Structural surfaces, shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Treatment of vegetation in water from land is also permitted by allowing wind to move product into vegetation, but application of this product directly to any body of water is prohibited.

Outdoor Residential Misting Systems[†]

Dilute 0.5 to 1 gallon of concentrate in 54 gallons of water.

Use Restrictions

- When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed.
- If the system works on an automatic timer, set the timing for application when people, pets and food are unlikely to be present.
- If the system works when a person operates a remote activation device, then application of this pesticide when people, pets and food are present is prohibited.
- **DO NOT** use in an evaporative cooling system.
- Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas.
- **DO NOT** set nozzles to direct mist near outside air condition systems or other home air intakes.
- If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must

be phrased as follows: This container holds ___ parts [product name] to ___ parts water.

- If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.
- Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement:
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 3 fluid ounces of a 0.02% pyrethrins dilution per 1,000 cubic feet per day.

[†] **In New York State, this product may NOT be applied using residential automated misting systems.**

Use in and Around Livestock Housing

For Fast Knockdown of Listed Flying Insects

Close all windows and doors. Using a mixture of 1 to 2 fluid ounces of product per gallon of water, direct fog upward in all directions at the rate of 3 fluid ounces diluted product per 1,000 cubic feet of space. Thoroughly ventilate the area after treatment is completed.

To Kill Flies in Non Food Animal Areas Such as Dog Kennels, Hog Barns, Rabbit Hutches, Dairy Areas, Milkrooms, Calf Hutches, Calving Pens and Parlors

Treat normal fly resting areas such as ceilings, screens, upper corners of the area, around windows and doors, light fixtures and other surfaces known to attract flies. Apply as a coarse, wet spray using a mixture of 1.5 fluid ounces of product per gallon of water. Apply at a rate of 1 gallon diluted product per 1,000 square feet of surface. Initiate treatments at the beginning of the fly season and repeat weekly during periods of heavy fly activity.

To Kill Fleas

Treat animal areas such as dog kennels and runs. Apply as a coarse, wet spray using a mixture of 2 fluid ounces of product per gallon of water. Apply at a rate of 1 gallon diluted product per 1,000 square feet of surface.

For Treatment of Livestock Animals

Use 2 fluid ounces of product per gallon of water (use 4 fluid ounces for quick knock-down and longer residual control) and apply as a low-pressure spray. Lightly mist animals thoroughly, but **DO NOT** treat to runoff. **DO NOT** spray directly toward the face or eyes. Application may be repeated daily.

DO NOT treat companion animals, such as dogs, cats, puppies or kittens, with this product.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND BASF'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF. PCS915

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We create chemistry