

FOR USE ONLY BY SERVICE PERSONS.
NOT FOR SALE TO OR USE BY HOMEOWNERS. NOT FOR STORAGE IN THE HOME.

ACTIVE INGREDIENT:

Percent by Weight

Bendiocarb: (2,2-dimethyl-
1,3-benzodioxol-4-ol methylcarbamate†)

76%

INERT INGREDIENTS:

24%

Total

100%

†Protected by U S Patent No. 3,736,338

EPA REGISTRATION NO. 45639-1

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que
la etiqueta le haya sido explicada ampliamente

KEEP OUT OF REACH OF CHILDREN
WARNING

HARMFUL OR FATAL IF SWALLOWED

IF SWALLOWED — DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING BACK
OF THROAT WITH FINGER. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON. GET MEDICAL ATTENTION

IF INHALED — KEEP PATIENT STRICTLY AT REST AND TRANSFER TO HOSPITAL IMMEDIATELY TO
GET MEDICAL ATTENTION

IF ON SKIN — WASH WITH SOAP AND WARM WATER

IF IN EYES — RINSE THOROUGHLY WITH CLEAN WATER.

NOTE TO PHYSICIAN: CONTAINS ANTICHOLINESTERASE CARBAMATE INSECTICIDE. IN CASES OF
OVER-EXPOSURE, ATROPINE SULFATE — 2 MG (EQUIVALENT TO 1/30 GRAIN ADULT DOSE) SHOULD
BE GIVEN AND REPEATED AS NECESSARY UNTIL FULLY ATROPINIZED.

BEST AVAILABLE COPY

ACCEPTED
WITH COMMENTS
by EPA Letter 12-62

Manufactured by



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Wilmington, DE 19805

MAR 22 1984

Product Name: Bendiocarb
EPA Reg. No.: 45639-1
Rev. Date: 12-62
45639-1

Thoroughly wash out sprayer and strainer with water and detergent before using FICAM W.

For use by Professional Applicators for residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include, but are not limited to, stores, warehouses, industrial buildings, houses, apartment buildings, mausoleums, greenhouses, laboratories, schools, nursing homes, hospitals, restaurants, hotels and food manufacturing, processing and servicing establishments and on vessels, aircraft, rail cars, buses, trucks and trailers.

FICAM W is intended for dilution with water for application with hand or power-operated sprayers. If water pH is greater than 8, add a commercial buffering agent to adjust water pH to 7 or less. The activity of FICAM W at pH 8 or greater may be reduced. Do not use strainers finer than 100 mesh size. When using hand sprayers, fill with the desired volume of water, add FICAM W, close and shake before use to insure proper suspension of the wettable powder. Shake or re-agitate sprayer before use if spraying is interrupted.

Dosage Chart: For Conventional Spray Volumes

Use the white scoop provided for measuring from the poly jar. Each level scoopful contains 0.4 oz FICAM W, which equals one packet.

1. One packet or scoop (0.4 oz) of FICAM W mixed in two gallons of water yields 0.125% ai bendiocarb.
2. One packet or scoop (0.4 oz) of FICAM W mixed in one gallon of water yields 0.25% ai bendiocarb.
3. Two packets or scoops (0.8 oz) of FICAM W mixed in one gallon of water yields 0.50% ai bendiocarb.
4. One pound of FICAM W mixed in forty gallons of water yields 0.25% ai bendiocarb.

INDOOR USE

Cockroaches (Including both non-resistant and organophosphate and organochlorine resistant strains), **Ants**, **Crickets**, **Silverfish** and **Firebrats**: Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and apply as a coarse low pressure spot or crack and crevice spray to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks and stoves, the underside of shelves, drawers and similar areas. For ants, apply to ant trails, around doors and windows and other places where ants enter premises.

Following cleanout applications or where insect infestation is low and where sites are inspected and treated at monthly intervals or less, these insects can be controlled with sprays of one packet or one scoop of FICAM W per two gallons of water (0.125% ai).

Adult Mosquito Control: Residual indoor spray to reduce annoyance from mosquitoes. Mix 4 packets or 4 scoops of FICAM W per gallon of water (1.0% ai) and spray around doors, windows and screens and other places where mosquitoes may enter the premises. Mosquitoes

galleries. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

The purpose of such applications of FICAM W is to kill workers or winged reproductive forms which may be present in the treated channels and spaces at the time of treatment and to impart a temporary resistance at these places to termite attack which may aid, in some part, in the prevention of immediate reinfestation by termites. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but merely a supplement, particularly where use of other insecticides may pose an odor problem.

Do not apply solution until location of heat or air conditioning ducts, vents, water and sewer lines and electrical conduits are known and identified. Extreme caution must be taken to avoid contamination of these structural elements and airways.

FICAM W at 0.25% ai has consistently provided control of all of the above insects for 30 and often for 60 days.

Brown Dog Ticks and Fleas in Buildings: Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and thoroughly apply spray to infested areas such as pet beds and resting quarters, nearby cracks and crevices, rugs and floor coverings, and under their edges, between and under cushions of upholstered furniture and other areas where these pests may be present. Entire rugs may be treated. Apply the spray evenly (approx. 1 gal/800 ft.²) to rugs and furniture. Old bedding of pets should be removed and replaced with clean fresh bedding after treatment of pet areas. Additionally, insure that pets are treated with an EPA approved product registered for such use. Do not treat pets or their bedding with this product. Do not permit children or pets near treated surfaces until spray has dried completely.

Japanese Beetles — Aircraft: Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai). Apply to areas where beetles may enter or be found such as carpets, under seats, storage areas, closets, around doors, behind and under galley equipment, in cargo holds and wheel wells.

Spiders (Including Black Widow Spiders): Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and apply to infested baseboards, window and door frames, corners, pipes, storage localities, attics and under eaves. Make spot applications to other areas over which these pests may crawl.

Wasps and Bees: Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and thoroughly spray nest and entrance and surrounding areas where insects alight. It is generally advisable to spray the nests in the evening when the insects are less active and have returned to the nest. For best results, check nest carefully one or two days after spraying to insure complete kill, then remove and destroy nest to prevent emergence of newly hatched insects.

Sowbugs, Pillbugs, Ground Beetles, Earwigs, Millipedes, Centipedes and Scorpions: Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and apply around doors and windows, and other places where these pests may enter premises. Spray baseboards, storage areas and other locations where these pests are found.

Pantry Pests - Grain Beetles (Rusty, Merchant and Saw-toothed), Flour Beetles (Red and Confused), Drugstore Beetles, Rice Weevils, Lesser Grain Borers, Spider Beetles and Tobacco Moths: Treat exposed stages. Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai). Remove all foodstuffs, shelving paper and utensils from area to be treated. Apply FICAM W to cupboards and shelves and allow to dry. Cover with shelving paper prior to replacement of food and utensils. Infested foodstuffs should be destroyed.

Carpet Beetles (Black, Furniture and Varied): Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai). Apply as spot applications on and under edges of floor coverings, under rugs and furniture, and in closets or other localities where these insects are found. Entire rugs may be treated.

Note: Where it is desired to obtain a longer period of control of all of the above pests in areas where access is difficult or where deposits will not be quickly removed by cleaning, apply FICAM W at a rate of two packets or two scoops per gallon of water (0.50% ai). This rate may also be used to quickly reduce heavy infestations of cockroaches.

Webbing Clothes Moths: Mix two packets or two scoops of FICAM W per gallon of water (0.50% ai) and apply spray as spot application in closets and other storage areas where webbing clothes moths are found. This treatment is an adjunct treatment and will not control moth larvae already on the clothes. Do not apply FICAM W to clothing.

To prevent recurrence of pest infestations, repeat applications as required.

Interior Plants: Refer to the ornamental pests recommendations in the Outdoor Use section.

Food Handling Establishments — Places other than private residences in which food is held, processed, prepared or served.

Food Areas — Application limited to spot or crack and crevice treatments only. For spot treatments, no individual spot will exceed two (2) square feet.

Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas when food is exposed and facility is in operation are also considered a food area.

Prepare a spray solution as directed above and apply in small amounts directly into cracks and crevices using equipment capable of delivering a pinstream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where cockroaches, ants, silverfish, firebrats, spiders and crickets hide. Spot treatment using coarse spray may also be made to areas where any of the above pests hide or inhabit such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas.

Make applications using low pressure to avoid possible atomization or splashing of the spray. Avoid contamination of food or food processing surfaces.

Non-Food Areas — FICAM W may be used as a crack and crevice treatment or as a spot application in non-food areas. All areas where insects hide or through which insects may enter should be treated.

This product is authorized for use in non-food areas of Federally Inspected Meat and Poultry Plants.

OUTDOOR USE

Perimeter Treatment — Residual spray for control of ants, bees, brown dog ticks, centipedes, cockroaches, crickets, earwigs, firebrats, fleas, ground beetles, millipedes, pillbugs, scorpions, silverfish, sowbugs, spiders (including Black Widow Spiders), and wasps. Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and apply as a residual spray or with a paint brush to surfaces of buildings, porches, screens, window frames, eaves, patios, garages and other areas where these pests congregate.

To help prevent infestations of buildings by the above pests, treat a band of soil and vegetation 6 to 10 feet wide around and adjacent to the

building. Also, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Mix one packet or one scoop of FICAM W per gallon of water (0.25% ai) and apply as a coarse spray to thoroughly and uniformly wet the band area.

Yard Treatment — For the control of nuisance pest populations of ants, crickets, spiders, ground beetles, sowbugs and pillbugs, mix one packet or one scoop of FICAM W in FIVE gallons of water (0.25% ai) and apply as a coarse spray to thoroughly wet the treated areas.

Ornamental Pests: Use FICAM W to control specified pests on non-edible ornamentals such as: Ageratum, Asarum, Azalea, Baby's-breath, Begonia, Boxweed, Calendula, Cedar, Celosia, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Euonymus, Ferns, Ficus, Flowering almonds, Flowering crab apples, Four-o'clock, Fuchsia, Gazania, Geranium, Holly, Hydrangea, Hypoestes, Impatiens, Iris, Ivy, Japanese yew, Juniper, Kalendra, Lilac, Lily of the Valley, Marigold, Mimosa, Nasturtium, Nicotiana, Oleander, Pachysandra, Pansy, Petunia, Pine, Portulaca, Pyracantha, Rhododendron, Rose, Salvia, Schefflera, Shasta daisy, Snapdragon, Spirea, Taxus, Verbena, Vinca and Zinnia.

This product is highly toxic to bees exposed to direct treatment or to residues on plants.

Do not use on Cardoon, since plant injury may occur.

IMPORTANT: FICAM W has demonstrated excellent plant safety, however, all species and varieties have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe prior to full-scale application.

Apply FICAM W to point of run-off using recommended rates indicated below:

GYPSY MOTH

Egg Mass Treatment — Mix 4 oz. of FICAM W per 100 gallons of water and apply to egg masses until saturation. Applications can be made up to 3 weeks before gypsy moth hatch.

Larvae Treatment:

Residual Foliar and Contact Spray: Mix 3 oz. of FICAM W per 100 gallons of water and apply to the whole tree (wood and leaves). This will control all larvae stages. If required for optimum control in heavily infested areas, applications can be made every two weeks.

Supplementary Residual Trunk Spray: When age larvae (1-2½", 4-6 instars) are mobile and seeking resting places and a foliage spray is impractical, mix 2.5 lbs. (0.25% a.i.) of FICAM W per 100 gallons of water and apply to tree trunks until fully saturated, making sure to treat cracks and crevices. A harborage (burlap or tape bands) is recommended to keep the larvae on the treated surface. If required for optimum control in heavily infested areas, applications can be made every two weeks.

DOSAGES AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS

PEST	AMOUNT OF FICAM W ¹ per 100 gallons of water
Chrysanthemum aphid, Eastern tent caterpillar, Green apple aphid, Hemiphanthid scale, Florida wax scale	3 oz.
Brown soft scale, Spruce aphid, Tea scale, Citrus mealybug, Hawthorn lacebug, Fall webworm, Euonymus scale	6 oz.
Japanese beetle, Thrips, Azalea lacebug, Azalea caterpillar, Texas mealybug (adults), Elm leaf beetle, Willow leaf beetle (larvae), Poplar tent maker, Yellow-necked caterpillar, Spring cankerworm, Begonia, Sycamore lacebug, Oleander caterpillar, Oleander aphid	11 oz.
Mimosa webworm, Obecure root weevil (adults)	1 lb.
Greenhouse whitefly, Citrus blackfly (larvae), Black vine weevil, Pine spittlebug, Azalea caterpillar, Bronze birch borer ²	1 lb. 5 oz.
Nantucket pine tip moth ³	2 lbs.
Palea pine weevil, Northern pine weevil, Azalea leafminer	2 lbs. 10 oz.

¹When measuring small amounts of product, use the 1 oz. scoop provided.

²Bronze Birch Borer. Use 3 sprays, spaced two weeks apart.

³Spray at the time of moth flight for each generation. Consult local Cooperative Extension authorities regarding time of moth flights in your area.

Ornamental Turf Pests: Apply FICAM W as a coarse, low-pressure spray in sufficient water to obtain complete and uniform coverage of pest-infested areas, according to the directions in the table below:

PEST	DOSAGE	APPLICATION PROCEDURE
White grubs of: Japanese beetle Black turf grass Ateneus European chafar Northern masked chafar Green June beetle Annual white grub Mole Crickets	1-2 oz. per 1000 sq. ft.	Apply when pests become evident. Control of grubs is best when they are still small; therefore, late summer treatments are preferable to spring. Apply in adequate water to assure coverage then irrigate thoroughly with $\frac{1}{2}$ - $\frac{3}{4}$ inch of water.
Chinch bugs Sod webworm Leafhoppers	0.5-1 oz. per 1000 sq. ft.	Apply when pests are evident. Use adequate quantity of water to thoroughly moisten grass and thatch.

Fire Ants: Mix FICAM W as recommended in the table below. Two gallons of mixture are recommended for mounds 8 inches or larger in diameter. Less mixture can be used on smaller mounds, however, thorough penetration of insect galleries must be achieved. Apply a small amount of material around the perimeter of the mound. Apply the remaining volume directly on the mound so as to penetrate insect galleries. A second treatment may be necessary if complete control is not obtained.

Do not disturb the mound prior to application. If possible, make applications after a recent rainfall. Applications may not be as effective during hot, dry periods. If possible, treat all colonies in the vicinity. Also, treat colonies which have not yet constructed a mound.

Dosage Table

AMOUNT OF FICAM W	AMOUNT OF WATER
2-3 teaspoons 1 pkg. or 1 scoop (0.4 oz.)	2 gallons 8 gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING USE PRECAUTIONS

Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with eyes, skin and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water, and eyes with clean water.

Avoid breathing and working in spray mist or dust.

Wash hands and exposed skin before eating, drinking or smoking and after spraying or handling. Wash all contaminated clothing thoroughly before re-use.

Do not apply to humans, their clothing or bedding.

Do not permit children or pets to contact treated surfaces until spray has dried completely.

With proper spraying, FICAM W does not result in a visible deposit. However, if unevenly applied, or sprayed to runoff, a visible deposit may occur on some dark surfaces.

Do not spray where electrical short circuits might result.

Do not use on or contaminate fruit, vegetables or other feed or food crops.

Do not store near feed or food products and do not contaminate these or food preparation surfaces, dishes, kitchen utensils and food containers with either concentrate or spray.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. Keep out of lawn and garden fish pools. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or to residues on plants.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state or local procedures.

CONTAINER DISPOSAL: Packet — After insuring that both used packets and outer containers are empty, crush and dispose of in trash container.

Poly Jar — Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of BFC Chemicals, Inc. is authorized to make any warranties beyond those contained herein or modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL BFC CHEMICALS, INC. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.

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