



IMPERIAL
BENDIOCARB 20%

11-2-82 195
BENDIOCARB 20%
Homeowner Wettable
Powder
Front Panel

HOMEOWNER
WETTABLE POWDER

Kills Many Pests
Indoors and Outdoors

ACTIVE INGREDIENT:	Percent by Weight
Bendiocarb: (2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate*)	20%
INERT INGREDIENTS:	80%
	Total 100%

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

- If swallowed: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by administration of syrup of ipecac or by touching finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
- If inhaled: Remove to fresh air. If necessary, keep patient at rest and transfer to hospital immediately to get medical attention.
- If in eyes: Flush with plenty of water. Get medical attention if irritation persists.
- If on skin: Wash with soap and warm water.

NOTE TO PHYSICIAN: Contains anticholinesterase carbamate insecticide. In cases of overexposure, atropine sulfate -- 2 mg. (equivalent to 1/30 grain adult dose) should be given and repeated as necessary until fully atropinized.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY INFORMATION

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 12 1983

U.S. Environmental Protection Agency
Washington, D.C. 20460
Registration Division
EPA Reg. No.

407-418

Manufactured by:

IMPERIAL, INC.

SHENANDOAH, IOWA 51601

EPA REG. No. 407-
Est. No. 407-1A-1

Net Contents _____

497-418

11-2-82
BENDIOCARB 20%
Homeowner Wettable Powder
Left Panel

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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. When spraying overhead, wear a cap with a visor.

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 near treated surfaces until spray has dried completely.

With proper spraying, Bendiocarb 20% Homeowner Wettable Powder does not result in a visible deposit. However, if unevenly applied, or sprayed to run-off, 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 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 residues on plants.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Keep pesticide in original container. Do not store near feed or food products. Do not re-use empty container. Wrap and dispose of empty container in trash collection.

Bendiocarb 20% Homeowner Wettable Powder is for residual pest control on buildings and structures and for control of ornamental plant and turf pests.

DO NOT USE THIS PRODUCT ON EDIBLE PLANTS.

DO NOT APPLY TO SURFACES WHICH COME INTO CONTACT WITH FOOD.

Bendiocarb 20% Homeowner Wettable Powder is intended for dilution with water for application with hand-held, hose-end or power sprayers.

Do not use strainers finer than 100 mesh size.

When using hand sprayers, fill with the desired volume of water, add Bendiocarb 20% Homeowner Wettable Powder, close and shake before use to insure proper suspension of the wettable powder. Shake or re-agitate sprayer before use if spraying is interrupted.

When using hose-end sprayers, carefully follow the manufacturer's directions for use in order to obtain the correct amount of pesticide required.

Bendiocarb 20% Homeowner Wettable Powder should be added after the water and then strongly shaken to insure good suspension.

CONVERSION TABLE

Ounces of Product	.4	.6	.8	1.0	1.25	1.50	2.0	4.0	8.0
Level Tablespoonsful	1½	2	3	3½	4½	5½	7	14	28

INDOOR USE

Mix 2 oz. of Bendiocarb 20% Homeowner Wettable Powder per gallon and apply as a coarse low pressure spray.

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BENDIOCARB 20%
Homeowner Wettable Powder
Left Panel(cont.)

Cockroaches: Apply as a spot or crack and crevice spray to areas where the pests hide, such as baseboards, around water pipes and doors and window frames. For heavy infestations, mix 3 oz. of Bendiocarb 20% Homeowner Wettable Powder in one gallon of water and apply as a coarse low pressure spray.

Spiders, Sowbugs, Pillbugs, Silverfish, Firebrats, Ground Beetles, Earwigs, Millipedes, Centipedes and Scorpions: Apply around doors, window frames and other places where these pests may enter premises. Spray baseboards, storage areas and other locations where these pests are found.

Ants: Apply to ant trails, around doors and window frames and other areas where ants enter premises. For carpenter ants, also apply to any nest or infested wood if possible.

Fleas and Brown Dog Ticks: Thoroughly apply spray to infested areas, such as pet beds, and resting quarters, adjacent 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 sq. ft., an area 8' x 10') to rugs and furniture. Old bedding of pet areas should be removed and replaced with clean fresh bedding after treatment of pet areas. Additionally, insure that pets are treated for flea control with an EPA approved product registered for such use. Do not treat pets or their bedding with Bendiocarb. **DO NOT PERMIT CHILDREN OR PETS NEAR TREATED SURFACES UNTIL SPRAY HAS DRIED COMPLETELY.**

Wasps: It is best to treat wasp nests at night when insects are less active and have returned to the nest. Do not wear loose-fitting clothing --take necessary precautions to avoid stings. For best results, carefully spray nest and check one or two days after treatment to insure complete kill, and retreat if necessary if possible, remove and destroy nest to prevent hatching of new insects. For ground nests, carefully spray entrance and surrounding areas. Retreat in one or two days if wasp activity is still present.

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BENDIOCARB 20%
Homeowner Wettable Powder
Right Panel

OUTDOOR USE

White Grubs: In localized areas of grub infestation, Bendiocarb 20% Homeowner Wettable Powder may be applied by watering can. Add 8 oz. of product to 1-2 gallons of water, thoroughly agitate and then apply over 1000 sq. ft. of turf. Follow the chemical treatment with thorough irrigation (1/2 - 3/4 inch of water.)

Chinch Bugs, Sod Webworms and Leafhoppers: Apply 2-4 oz. of product in sufficient water to cover 1000 sq. ft. of turf.

Perimeter Treatment: To help prevent infestation of buildings by ants, brown dog ticks, centipedes, cockroaches, crickets, earwigs, firebrats, fleas, ground beetles, millipedes, pillbugs, scorpions, silverfish, sowbugs, spiders, and wasps: Mix 2 oz. of product per gallon of water and apply as a residual spray or with a paintbrush to places where pests congregat~~e~~ or can gain entry. Treat the building foundation to a height of 2-3 feet.

Fire Ants: Mix 0.4 oz. or 3 level tablespoons of Bendiocarb 20% Homeowner Wettable Powder in two gallons of water. 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. For best results apply in cool weather, 65°-80° F. or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

ORNAMENTAL PESTS

Use Bendiocarb 20% Homeowner Wettable Powder to control specified pests on non-edible flowers, shrubs and trees.

Important: Bendiocarb 20% Homeowner Wettable Powder has demonstrated excellent plant safety, however, all species and varieties have not been tested. When testing large numbers of plants of a single variety, treat a few plants and observe prior to full-scale application.

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

DOSAGES AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS

PEST	Amount of Product Per Gallon
Japanese beetle, Eastern tent caterpillar, Bagworm, Fall webworm, Thrips, Lacebugs, Spring cankerworm, Mealybugs, Hemispherical scale, Florida wax scale, Soft brown scale, Tea scale, Euonymus scale, Elm leaf beetle, Willow leaf beetle (larvae), Poplar tentmaker Yellow-necked caterpillar, Azalea caterpillar, Chrysanthemum aphid, Green apple aphid, Spirea aphid	0.4 oz.
Mimosa webworm, Obscure root weevil, (adults), Greenhouse whitefly, Citrus blackfly (larvae), Black vine weevil, Pine spittlebug	0.8 oz.

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11-2-82
BENDIOCARB 20%
Homeowner Wettable Powder
Right Panel (cont.)

Gypsy Moth:

Egg Mass Treatment - Mix 1.5 oz. of Bendiocarb 20% Homeowner Wettable Powder per 10 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 1.25 oz. of Bendiocarb 20% Homeowner Wettable Powder per 10 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 large larvae (1-2 1/2") are mobile and seeking resting places and a foliage spray is impractical, mix 1 lb. (25% a.i.) of Bendiocarb 20% Homeowner Wettable Powder per 10 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.

Apply Bendiocarb 20% Homeowner Wettable Powder to the point of run-off using the recommended rates as shown in Dosage and Directions for use on Ornamental Plants.

NOTICE

Seller's guarantee shall be limited to the terms of the label, and subject thereto the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-547)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

DATE OF RECEIPT

407-71

12/2/83

TERM OF ISSUANCE

REGISTRATION

NAME OF PESTICIDE PRODUCT

GENERIC: 204 HOMEOWNER INSECTICIDE
FORMER

NOTICE OF PESTICIDE: REGISTRATION
 REREGRISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

✓
M. J. ...
204 ...
COLUMBIA, IA 51001

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The product is conditionally registered in accordance with the provisions of the Act and the Administrator has determined that the product is safe for use in accordance with the label. The registrant is advised that the registration of this product is conditional and that the Administrator may at any time suspend or cancel the registration of this product if it is found to be unsafe for use in accordance with the label. The registrant is advised that the registration of this product is conditional and that the Administrator may at any time suspend or cancel the registration of this product if it is found to be unsafe for use in accordance with the label.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE
12/2/83

117-1116

11-2-82
BENDIOCARB 20%
Homeowner Wettable Powder
Left Panel

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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. When spraying overhead, wear a cap with a visor. 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 near treated surfaces until spray has dried completely. With proper spraying, Bendiocarb 20% Homeowner Wettable Powder does not result in a visible deposit. However, if unevenly applied, or sprayed to run-off, 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 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 residues on plants.

DIRECTIONS FOR USE

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STORAGE AND DISPOSAL

Keep pesticide in original container. Do not store near feed or food products. Do not re-use empty container. Wrap and dispose of empty container in trash collection.

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DO NOT USE THIS PRODUCT ON EDIBLE PLANTS.

DO NOT APPLY TO SURFACES WHICH COME INTO CONTACT WITH FOOD.

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Do not use strainers finer than 100 mesh size.

When using hand sprayers, fill with the desired volume of water, add Bendiocarb 20% Homeowner Wettable Powder, close and shake before use to insure proper suspension of the wettable powder. Shake or re-agitate sprayer before use if spraying is interrupted.

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Bendiocarb 20% Homeowner Wettable Powder should be added after the water and then strongly shaken to insure good suspension.

CONVERSION TABLE

One level Table Spoon	.4	.6	.8	1.0	1.25	1.50	2.0	4.0	8.0
Level Teaspoon	1/4	3/8	1/2	3/4	4/5	5/4	7	14	28

TABLE 6-271

Use Bendiocarb 20% Homeowner Wettable Powder for residual and apply as a coarse low...

6-17-82

11-2-82
BENDIOCARB 20%
Homeowner Wettable Powder
Left Panel(cont.)

Cockroaches: Apply as a spot or crack and crevice spray to areas where the pests hide, such as baseboards, around water pipes and doors and window frames. For heavy infestations, mix 3 oz. of Bendiocarb 20% Homeowner Wettable Powder in one gallon of water and apply as a coarse low pressure spray.

Spiders, Sowbugs, Pillbugs, Silverfish, Firebrats, Ground Beetles, Earwigs, Millipedes, Centipedes and Scorpions: Apply around doors, window frames and other places where these pests may enter premises. Spray baseboards, storage areas and other locations where these pests are found.

Ants: Apply to ant trails, around doors and window frames and other areas where ants enter premises. For carpenter ants, also apply to any nest or infested wood if possible.

Fleas and Brown Dog Ticks: Thoroughly apply spray to infested areas, such as pet beds, and resting quarters, adjacent 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 sq. ft., an area 8' x 10') to rugs and furniture. Old bedding of pet areas should be removed and replaced with clean fresh bedding after treatment of pet areas. Additionally, insure that pets are treated for flea control with an EPA approved product registered for such use. Do not treat pets or their bedding with Bendiocarb. DO NOT PERMIT CHILDREN OR PETS NEAR TREATED SURFACES UNTIL SPRAY HAS DRIED COMPLETELY.

Wasps: It is best to treat wasp nests at night when insects are less active and have returned to the nest. Do not wear loose-fitting clothing --take necessary precautions to avoid stings. For best results, carefully spray nest and check one or two days after treatment to insure complete kill, and retreat if necessary if possible, remove and destroy nest to prevent hatching of new insects. For ground nests, carefully spray entrance and surrounding areas. Retreat in one or two days if wasp activity is still present.

11-2-82
BENDIOCARB 20%
Homeowner Wettable Powder
Right Panel

OUTDOOR USE

White Grubs: In localized areas of grub infestation, Bendiocarb 20% Homeowner Wettable Powder may be applied by watering can. Add 8 oz. of product to 1-2 gallons of water, thoroughly agitate and then apply over 1000 sq. ft. of turf. Follow the chemical treatment with thorough irrigation (1/2 - 3/4 inch of water.)

Chinch Bugs, Sod Webworms and Leafhoppers: Apply 2-4 oz. of product in sufficient water to cover 1000 sq. ft. of turf.

Perimeter Treatment: To help prevent infestation of buildings by ants, brown dog ticks, centipedes, cockroaches, crickets, earwigs, firebrats, fleas, ground beetles, millipedes, pillbugs, scorpions, silverfish, sowbugs, spiders, and wasps:
Mix 2 oz. of product per gallon of water and apply as a residual spray or with a paintbrush to places where pests congregate or can gain entry. Treat the building foundation to a height of 2-3 feet.

Fire Ants: Mix 0.4 oz. or 3 level tablespoons of Bendiocarb 20% Homeowner Wettable Powder in two gallons of water. 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. For best results apply in cool weather, 65°-80° F. or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

ORNAMENTAL PESTS

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DOSEAGES AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS

PEST	Amount of Product Per Gallon
Japanese beetle, Eastern tent caterpillar, Bagworm, Fall webworm, Thrips, Lacebugs, Spring cankerworm, Mealybugs, Hemispherical scale, Florida wax scale, Soft brown scale, Tea scale, Linyx scale, Elm leaf beetle, Willow leaf beetle (larvae), Poplar tentmaker Yellow-necked caterpillar, Azalea caterpillar, Chrysanthemum aphid, Green apple aphid, Citrus mealybug	0.4 oz.
Chinch bug, Sod webworm, Leafhopper, (adult), Greenhouse whitefly, Citrus thrips (larvae), Blueberry weevil, Tree spittlebug	0.8 oz.

11-2-82
BENDIOCARB 20%
Homeowner Wettable Powder
Right Panel (cont.)

Gypsy Moth:

Egg Mass Treatment - Mix 1.5 oz. of Bendiocarb 20% Homeowner Wettable Powder per 10 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:

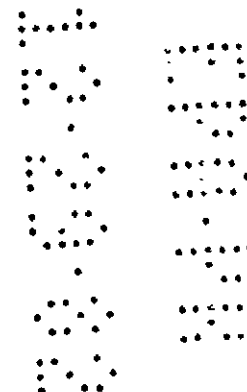
Mix 1.25 oz. of Bendiocarb 20% Homeowner Wettable Powder per 10 gallons of water and apply to the whole tree (wood and leaves). This will control all larvae stages if required for optimum control in heavily infested areas, applications can be made every two weeks.

Supplementary Residual Trunk Spray: When large larvae (1-2 1/2") are mobile and seeking resting places and a foliage spray is impractical, mix 1 lb. (25% a.i.) of Bendiocarb 20% Homeowner Wettable Powder per 10 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.

Apply Bendiocarb 20% Homeowner Wettable Powder to the point of run-off using the recommended rates as shown in Dosage and Directions for use on Ornamental Plants.

NOTICE

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE 12/2/83
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	NAME OF PESTICIDE PRODUCT	
	NAME AND ADDRESS OF REGISTRANT (Include ZIP code)	
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE 12/2/83