

PM04

58185-18

8/4/99

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Dycarb™ 76 WP

Insecticide

for Use in Ornamental Greenhouses, Outdoor Nurseries, Saran and Shade Houses, and Field Nurseries on Ornamental Trees, Shrubs, Flowering and Tropical Foliage Plants

DO NOT USE ON FOOD CROPS
NOT REGISTERED FOR AGRICULTURAL USE IN CALIFORNIA

ACTIVE INGREDIENT	Bendiocarb†	76%
OTHER INGREDIENTS		24%
	TOTAL	100%

CAS #22781-23-3

AUG 4 1999
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 58185-18

KEEP OUT OF REACH OF CHILDREN
WARNING AVISO
HARMFUL OR FATAL IF SWALLOWED

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.) (See back for additional Precautionary Statements.)

FIRST AID

THIS PRODUCT IS AN N-METHYL CARBAMATE.

IF IN EYES: Flush eyes immediately with plenty of water for at least 15 minutes. **Get medical attention.**

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. **Get medical attention immediately.**

IF INHALED: Have patient lie down and keep warm. Transfer to hospital immediately for medical attention.

IF ON SKIN: Wash thoroughly with soap and water.

NOTE TO PHYSICIAN: Contains anticholinesterase carbamate insecticide. In case of overexposure, give 2 mg (equivalent to 1/30 grain, adult dose) of atropine sulfate. Repeat as necessary.

EPA Reg. No. 58185-18

EPA Est. No. 10370-TX-1

Product of U.S.A.

NET WEIGHT: 2 lb (907 kg)

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Dycarb™ is a registered trademark of Scotts-Sierra Crop Protection Company for its brand of insecticide products.



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IMPORTANT: Read the entire Directions for Use and Disclaimer of Warranties before using this product.

GENERAL INFORMATION

DYCARB 76 WP is a wettable powder containing 76% by weight active ingredient which has given effective knockdown and residual control of those insects listed.

DYCARB 76 WP does not damage paints, plastics, fabrics, or other surfaces where water alone causes no damage.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

Do not rub eyes or mouth with hands. If you feel sick in any way, **STOP WORK** and get help right away. See First Aid section.

Avoid breathing and working in spray mist or dust.

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

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/maintaining PPE. If no such instructions for washables, 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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

THIS PESTICIDE IS TOXIC TO FISH AND WILDLIFE. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Only for sale to, use, and storage by service - persons.

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.

DYCARB 76 WP is intended for dilution with water for application with hand or power-operated sprayers. Do not use strainers finer than 50 mesh size. Fill spray tank with 3/4 of desired volume of water, add appropriate amount of product and then add the remaining quantity of water. Close and agitate before use to insure proper suspension. Continuously agitate during application. Reagitate sprayer before use if spraying is interrupted. Do not allow to stand overnight. If water pH is greater than 8, add a commercial buffering agent to adjust water pH to 7 or less. The activity of DYCARB 76 WP at pH 8 or greater may be reduced.

CHEMIGATION INFORMATION

Apply this product only through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Overhead, Microjet, or Drip Irrigation Application

DYCARB 76 WP alone or in tank mixture with other pesticides which are registered for overhead, microjet, or drip application may be applied in irrigation water at rates recommended on this label.

Apply this product only through an overhead, microjet, or drip irrigation system. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety device for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Public water system means a system for the provision to the public of piped

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water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily or at least 60 days out of the year.

Operation Instructions

- 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. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional, equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 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 shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 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.
- Prepare a mixture with a minimum of 1 gallon of water to one packet of DYCARB 76 WP and inject this mixture into the system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the fungicide in suspension.
- Meter into irrigation water during the beginning of the irrigation cycle.
- With overhead or microjet systems, apply enough water to thoroughly wet the potting media.

Precaution for irrigation applications: Where distribution patterns do not overlap sufficiently, unacceptable control may result. Where distribution patterns overlap excessively, injury to desirable plants may result.

General Chemigation Information

Pesticide supply tanks are recommended for the application of this product. See label instructions for dilution use rates and timing of application. See label instructions for dilution use rates and timing of application. Agitate continuously during application.

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, and 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) and restricted-entry interval. 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 (REI) 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 over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- 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.

ORNAMENTAL GREENHOUSES, OUTDOOR NURSERIES, SARAN AND SHADE HOUSES, AND FIELD NURSERIES ON ORNAMENTAL TREES, SHRUBS, FLOWERING AND TROPICAL FOLIAGE PLANTS.

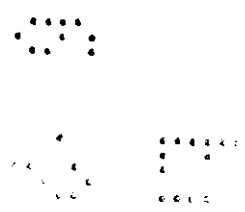
Use DYCARB 76 WP in these sites where ornamental pests are a problem. DYCARB 76 WP can be used to control specified pests on non-edible ornamental plants such as, but not limited to:

HERBACEOUS PLANTS

African Violet	Dryopteris	Peperomia
Ageratum	Epipremnum	Petunia
Aglaionema	Ferns	Philodendron
Antirrhinum	Four-o'clock	Plumeria
Asarina	Fuchsia	Polypodium
Araucaria	Gazania	Portulaca
Asparagus sprengeri	Geranium	Pothos
Asplenium	Gladiolus	Primrose
Baby's-breath	Guava	Salvia
Begonia	Hypoestes	Sansevieria
Calathea	Impatiens	Shasta Daisy
Calendula	Iris	Sinningia
Carnation	Ivy	Snapdragon
Celosia	Lily of the Valley	Spathiphyllum
Chrysanthemum	Maranta	Vanda
Cineraria	Marigold	Verbena
Cissus	Mondo Grass	Vinca
Cyrtomium	Nasturtium	Wandering Jew
Dafodil	Nephrolepis	Zinnia
Dahlia	Nicotiana	
Dianthus	Ochrosia	
Dieffenbachia	Pansy	
Dracaena	Peony	

WOODY PLANTS

Abies*	Flowering Crabapple	Pine
Acer*	Fountaingrass	Poinsettia
Aralia	Gardenia	Pomegranate
Arbovitae*	Hemlock*	Poplar
Azalea*	Holly*	Privet
Barberry*	Hydrangea*	Prunus*
Beech	Ixora	Pseudotsuga*
Birch*	Japanese Yew	Pyracantha*
Boxwood	Juniper*	Pyrus*
Brassia	Leucothoe	Rhododendron*
Camellia*	Ligustrum*	Rose*
Cedar	Lilac	Sago Palm
Cephalotaxus*	Loquat	Schefflera
Cercis*	Mahonia*	Spirea*
Cherry	Mimosa	Sycamore
Cornus*	Mock Orange	Taxus*
Cotoneaster*	Mountain Laurel	Thuja*
Grape Myrtle	Nandina	Tsuga*
Crataegus*	Norfolk Island Pine	Viburnum
Croton	Oleander	Vitis
Euonymus*	Pachysandra	Weigela*
Fatsia*	Photinia	Yaupon
Ficus	Picea*	
Flowering Almonds	Pieris*	



DRENCH APPLICATION

Apply as a soil drench at the following rates only on plants previously indicated by an asterisk (*).

PEST	AMOUNT OF DYCARB 76 WP PER 100 GALLONS OF WATER
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Black vine weevil (larvae), white grubs of Japanese beetle	2 to 4 oz.
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(11) For control of black vine weevil and white grubs in container production. Best results are obtained against young larvae and grubs.

CONTAINER SIZE	VOLUME
6-inch	8 fl. oz.
1 gal.	1 pint
3 gal.	3 pints
5 gal.	5 pints

FOLIAR SPRAY

(12) **IMPORTANT:** DYCARB 76 WP has demonstrated excellent plant safety, however, all species and varieties of plant types have not been tested. If a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for a pest that is listed on the label, it is suggested that a trial application be performed first. Make at least 2 applications at a 5 day interval to at least 25 specimens and observe for potential injury 5 days after the last application before initiating full scale application. Do not use on Cardoon, Coleus, Espiscia, and Gloxinia since plant injury may occur.

Spray DYCARB 76 WP to point of runoff at the recommended concentrations in the table:

PEST	AMOUNT OF DYCARB 76 WP PER 100 GALLONS OF WATER
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Chrysanthemum aphid, Green apple aphid, Hemispherical scale, Florida wax scale, Eastern tent caterpillar	3 to 6 oz.
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Brown soft scale, Spirea aphid, Tea scale, Citrus mealybug, Hawthorn lacebug, Euonymus scale, fall webworm	6 to 12 oz.
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Thrips, Azalea caterpillar, Taxus mealybug (adults), Sycamore lacebug, Oleander aphid, Oleander caterpillar	11 to 20 oz.
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Azalea lacebug, Elm leaf beetle (larvae), Willow leaf beetle (larvae), Poplar tent maker, Yellowneck caterpillar, Spring cankerworm, Mimosa webworm, Obscure root weevil (adult), Greenhouse whitefly, Citrus blackfly, Japanese beetle (adult), Bagworm	12 to 20 oz.
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Azalea leafminer, Nantucket pine tip moth, Pales pine weevil, Northern pine weevil, Leafroller, Indian wax scale (crawlers), Ixora scale, Pine spittlebug, Bronze birch borer, Camellia scale, 2-spotted mite, Colliembola, Ilex leafminer	20 to 40 oz.
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Black vine weevil (adults)	20 oz.
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DYCARB 76 WP provides best control when applied to the adult stage soon after emergence. Apply 2-3 weeks after adults emerge. Thoroughly spray foliage to run-off (ground surface should be wet). Repeat application 3 weeks later.

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AMOUNT OF DYCARB 76 WP PER 100 GALLONS OF WATER

GYPSEY MOTH

Egg Mass Treatment: Apply to egg masses until saturation. Application can be made up to 3 weeks before gypsy moth hatch.	4 oz.
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Larval Treatment: Apply to the entire tree (wood and leaves). This will control all larval stages. If required for optimal control in heavily infested areas, applications can be made every two weeks.	3 oz.
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Supplementary Residual Trunk Spray: When large larvae (1-2 1/2", 4th-6th instars) are mobile and seeking resting places and a foliage spray is impractical, apply to tree trunks until fully saturated, making sure to treat cracks and crevices. A harborage (burlap or tape band) is required to keep the larvae on the treated surface. Applications can be made every two weeks if required for optimal control in heavily infested areas.	40 oz.
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FIRE ANTS

Mix DYCARB 76 WP 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 to obtain complete control.

Do not disturb the mound prior to application. If possible, make applications after 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.

AMOUNT OF DYCARB 76 WP	AMOUNT OF WATER
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2 to 3 teaspoons	2 gallons
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STORAGE AND DISPOSAL

STORAGE: Stable at normal temperatures. Store in a dry place.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or 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, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**IMPORTANT NOTICE:
DISCLAIMER AND LIMITATION OF LIABILITY**

This product has been researched to provide necessary data to support its use on ornamentals. However, tests may not have been carried out on all varieties or cultivars and under all growing conditions on all plants listed on the label. The user should always follow label directions and exercise judgment and caution when using this product on a given variety until familiar with the results under their growing conditions. **NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT.** The exclusive remedy of the user or Buyer, and the liability of The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing signed by a duly authorized representative of The Scotts Company.

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