



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD **2014-2016** LIC. NO.

9131.200

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



Durashield® CS

Controlled Release Insecticide

FOR USE IN AND AROUND: Non-Food Areas of Manufacturing and Industrial Plants; Cargo Holds of Ships; Railroad Boxcars; Hog Barns; Empty Chicken Houses; Dairy Areas; Milkrooms; Calf Hutches and Calving Pens and Parlors

KILLS: Angoumois Grain Moths, Aphids, Ants (except Carpenter, Fire, Harvester and Pharaoh), Bees, Beetles, Boxelder Bugs, Caddises, Carpet Beetles, Cigarette Beetles, Clover Mites, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indianmeal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Red Flour Beetles, Sawtoothed Grain Beetles, Scale, Scorpions, Silverfish, Sowbugs, Spiders (except Black Widow and Brown Recluse), Stink Bugs, Trogoderma and Weevils (Granary Weevils and Rice Weevils)

ACTIVE INGREDIENT:

Chlorpyrifos 20.0%

OTHER INGREDIENTS: 80.0%

TOTAL: 100.0%

EPA Reg. No. 499-419

EPA Est. No. 7969-MO-1

KEEP OUT OF REACH OF CHILDREN CAUTION

See back panel/inside booklet for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.

NET CONTENTS: 3.75 qt (120 fl oz)

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

NVA 2013-05-426-0341 81047097 30472315



FIRST AID

This product contains an organophosphate that inhibits cholinesterase.

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 min.
- 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 1-800-832-HELP for emergency medical treatment information.

NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues 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 spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. **DO NOT** spray directly into any electronic equipment.

81040304

30472315

NVA 2013-05-426-0341

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only, preferably in a locked storage area. **DO NOT** store in a manner where cross contamination with other pesticides, fertilizer, food or feed could occur. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed 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.

CONTAINER DISPOSAL: 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 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. Place empty, triple rinsed container in trash or offer for recycling if available.

If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!



Based on: NVA 2013-04-426-0196

Supersedes: 100608-41

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 **BASF**
The Chemical Company

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This product is highly toxic to bees exposed to direct treatment or residues 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 spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. **DO NOT** spray directly into any electronic equipment.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- **DO NOT** apply to humans, their clothing or bedding.
- Cover fish tanks prior to application.
- **DO NOT** contaminate food, feedstuffs, or water supply. **DO NOT** contaminate food preparation surfaces, kitchen utensils, dishes or feed storage containers. Cover all food contact surfaces and cooking utensils during treatment or thoroughly wash with an effective cleaning compound followed by a potable water rinse.

INFORMATION

This product is a flowable microencapsulated concentrate containing chlorpyrifos. It may be sprayed on any surface which will not be damaged or stained by water. Heavy applications may leave a visible deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

Mixing Instructions: Thoroughly clean spray equipment before using this product. Shake concentrate well before diluting. Apply at the rate of 2 to 5 fl oz of concentrate per 1,000 ft², using an adequate amount of water to ensure good coverage. Flies require a higher application rate. See the "Flies" section below for specific directions. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of this product. Add the rest of the water and agitate the sprayer thoroughly. Agitate sprayer occasionally during use to ensure even coverage. Shake or reagit sprayer if spraying is interrupted or if dilution is left in sprayer overnight. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank. If spray screens are used, they should be 50 mesh or larger. In situations where conventional application methods have not or are not likely to provide adequate coverage, foam generating equipment or similar machines can be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits.

COMMERCIAL INDOOR TREATMENTS

FOR USE IN: Non-Food Areas of Manufacturing, Industrial Plants; Warehouses; Ship Holds; Railroad Boxcars. Apply at the rate of 2 to 5 fl oz of concentrate per 1,000 ft², using an adequate amount of water to ensure good coverage. **DO NOT** use in food areas of food processing plants.

SAMPLE SPRAY DILUTION CHART: Examples of possible dilutions using this product with water are given below.

Sample Amount of Finished Spray	0.25% Spray	0.5% Spray
1 gal	1.5 fl oz	3 fl oz
3 gal	4.5 fl oz	9 fl oz
5 gal	7.5 fl oz	15 fl oz
10 gal	15.0 fl oz	30 fl oz

A higher rate should be used for clean-outs or for high insect infestations.

Use as a Crack & Crevice product where insects may be hiding, living and breeding and/or for selected spot treatment.

CRICKETS, DERMESTID BEETLES, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS AND SPIDERS (except Black Widow and Brown Recluse): Make spot treatment and/or Crack & Crevice injections into areas where insects are normally found (i.e. cracks and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators). Repeat as necessary.

CARPET BEETLES (DERMESTIDS): Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture and throw rugs. Use as a Crack & Crevice application in closets and other shelving where infested items are stored. **DO NOT** treat clothing with this product. Repeat application as necessary.

FOR EXPOSED ADULT AND LARVAL STAGES OF GRAIN MITES, STORED PRODUCT BEETLES, GRAIN WEEVILS AND STORED PRODUCT MOTHS: Inject into cracks and crevices and/or voids where these insects may be harboring (i.e. cracks and crevices in cabinets, pantries, wall voids and in machinery). Repeat treatment as necessary.

ANTS (except Carpenter, Fire, Harvester and Pharaoh): Inject cracks, crevices and voids where ants may be traveling and/or harboring, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.

HIBERNATING STAGES OF BOXELDER BUGS, ELM LEAF BEETLES AND CLOVER MITES: Inject cracks, crevices and/or voids where these insects may be harboring or hibernating. Infested areas may include areas such as cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Repeat application as necessary. Treat wall area around entry points on exterior where insects congregate.

WOOD DESTROYING INSECTS: Localized treatment of wood-infesting insects: Beetles and Borers: Locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, gallery and inaccessible closed voids. Drill holes 8 to 10" apart to ensure thorough coverage. Inject 5 to 10 sec/hole. **DO NOT** contact electrical wiring, plumbing, etc. when drilling. Use the 0.5% or 1.0% rate.

COMMERCIAL OUTDOOR BUILDING TREATMENTS

OUTDOOR COMMERCIAL USE: To help prevent infestations of buildings, treat a band of soil 6 to 10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2 to 3 ft and where pests are active and may find entrance. Treat other insect entry points around doors, windows, under siding and eaves of structure, under decks and on fences. This product may be applied in compressed air equipment or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.5 to 1.75 fl oz/1,000 ft². Alternate directions are to use 5.0 to 8.75 fl oz of product per 50 gal of water applied at 10 gal of dilution per 1,000 ft².

ANTS (except Carpenter, Fire, Harvester and Pharaoh), CRICKETS AND OTHER CRAWLING INSECTS: For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat applications as infestation warrants and as reinfestations occur.

FLIES: Kills flies on contact. Flies must be directly contacted by spray to be effective. Use 5 to 8 fl oz/gal/1,000 ft². Spray where flies are seen and congregate (i.e. inside and outside dumpsters and other trash holding containers, trash corrals and other trash storage areas).

BEES: As a preventative or remedial treatment to help prevent these insects from building nests or workers from congregating on structures, follow perimeter treatment directions under outdoor section of label. Pay particular attention to soffit and eave areas.

THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCKDOWN. THE BEST TIME TO TREAT IS LATE IN THE DAY. COLONY SHOULD BE DEAD IN 2 TO 3 DAYS. PROTECTIVE EQUIPMENT FOR THE APPLICATOR IS REQUIRED.

LIVESTOCK HOUSING

FOR USE: Livestock Housing and Holding Areas (such as Hog Barns, Empty Chicken Houses, Dairy Areas, Milkrooms, Calf Hutches, Calving Pens and Parlors).

DO NOT apply to lactating or food animals. **DO NOT** contaminate milk, food or drinking water. Remove all animals prior to making application to housing. **DO NOT** apply or allow insecticide to drift onto animals. **DO NOT** allow animals to enter treated areas until surfaces are dry.

DARKLING BEETLES: Treat the litter paying particular attention to the areas under the feeder line, water line and the perimeter. Use 2 to 5 fl oz/1,000 ft² in an adequate amount of water to provide good coverage.

FLIES: Kills flies on contact. Flies must be directly contacted by spray to be effective. Use 5 to 8 fl oz/gal/1,000 ft². Spray where flies are seen and congregate (i.e. inside and outside dumpsters and other trash holding containers, trash corrals and other trash storage areas).

To kill other pests and to help prevent infestations of buildings, treat a band of soil 6 to 10 ft wide around and adjacent to the building. Also treat the building foundation and sides where pests are active and may find entrance. Treat other insect entry points such as doors, windows, under siding and eaves of structure. This product may be applied in compressed air, backpack or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.5 to 1.75 fl oz/1,000 ft². Alternate directions are to use 5.0 to 8.75 fl oz of product per 50 gal of water applied at 10 gal of dilution per 1,000 ft².

STORAGE AND DISPOSAL

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

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If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

CONDITIONS OF SALE AND WARRANTY

Follow the **Directions for Use**. It is impossible to eliminate all risks inherently associated with use of this product, and therefore all such risk 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 accepts 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. PCS813

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