

KNOX OUT 2 EM
KNOX OUT 2 EM
KNOX OUT 2 EM

BEST

Floable Microcapsulated Insecticide
EPA Registration No. 4581-335*

**GENERAL INFORMATION
AND
DIRECTIONS FOR USE**

GENERAL INFORMATION

KNOX OUT 2 FM is a **low**able microencapsulated formulation containing 2 pounds of **chlorpyrifos** per gallon. Due to its controlled-release nature, the product gives **excellent** residual kill of the pests listed on the following pages; however, effective knockdown may take up to 24 hours after application.

KNOX OUT 2 FM is to be used for residual pest control in and around buildings including, but not limited to, homes, apartments, stores, hospitals, nursing homes, manufacturing plants, warehouses, schools, restaurants, hotels, motels, and food processing plants.

2

KNOX OUT 2 FM can be sprayed on any surface which will not be damaged or stained by water. Under conditions of proper application, KNOX OUT 2 FM will not leave a visible deposit. However, if unevenly applied or sprayed to run-off, a visible deposit may occur on some dark surfaces and may be wiped off with a cloth or damp sponge.

DIRECTIONS FOR USE
GENERAL CLASSIFICATION

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

3

BEST DOCUMENT AVAILABLE

Thoroughly wash out spray equipment before using KNOX OUT 2 FM. Shake concentrate well before diluting. When diluting, first add approximately half of the water to the spray tank, then add the required quantity of KNOX OUT 2 FM, and finally add the rest of the water. Occasionally agitate sprayer during use to assure even coverage. Shake or re-agitate sprayer before use if application is interrupted.

Do not use this formulation with oil.
 IF SPRAY SCREENS ARE USED, THEY SHOULD BE 80 MESH OR LARGER.

Dilute KNOX OUT 2 FM with water to make a 0.5% or 1.0% spray as indicated below:

| Amount of Finished Spray | Amount* of KNOX OUT 2 FM to Use for: | |
|--------------------------|--------------------------------------|------------------------------|
| | 0.5% Spray** | 1.0% Spray** |
| 1 Pint | 0.3 fl. oz. | 0.6 fl. oz. |
| 2 Pints | 0.6 fl. oz. | 1.2 fl. oz. |
| 4 Pints | 1.2 fl. oz. | 2.5 fl. oz. |
| 1 Gallon | 2.5 fl. oz. | 5.0 fl. oz. |
| 2 Gallons | 5.0 fl. oz. | 10.0 fl. oz. |
| 3 Gallons | 7.5 fl. oz. | 15.0 fl. oz. |
| 10 Gallons | 25.0 fl. oz. (1.6 pints) | 50.0 fl. oz. (1.6 quarts) |

*1 Tablespoon = 0.5 fl. oz.
 **Active ingredient basis

Cockroaches and Silverfish—Make spot applications of KNOX OUT 2 FM as a 1 0% coarse spray or by paint brush to baseboards, drawers, shelves, around water pipes, storage closets, behind and under cabinets, refrigerators, sinks, and similar areas where these insects hide. Repeat treatments of KNOX OUT 2 FM should be made as needed, but generally will not be necessary more than once every 60 days.

Ants—Make spot applications of 0.5% to 1 0% KNOX OUT 2 FM as a spray to baseboards, window frames, cracks and crevices, and other hiding or habitation areas. Apply to trails around doors and windows, and other areas where these pests may crawl or enter the premises. Repeat application as necessary.

Crickets—Make spot applications of 0.5% to 1 0% KNOX OUT 2 FM as a spray to baseboards, behind and under cabinets and appliances, and other hiding spots. Areas around doors and water pipes should be treated to help prevent crickets from entering the premises. Repeat application as necessary.

Flies—Make spot applications of 1 0% KNOX OUT 2 FM as a spray to window frames, screens, and similar areas where these pests may congregate. Repeat applications as necessary.

Fleas—Thoroughly apply a 1 0% KNOX OUT 2 FM spray to pet beds and resting quarters, adjacent cracks and crevices, baseboards, carpets and floor coverings, between and under cushions of

upholstered furniture, and other areas where these pests may be present. Entire carpets may be treated. Applications to most surfaces should be as tight as possible, approximately 2 quarts finished spray per 800 square feet. If necessary to use a high-volume spray, approximately 3 to 4 quarts per 800 square feet on long, dense, rag carpets. Old bedding, mats should be replaced with clean, fresh bedding after treatment. Animals should not be sprayed with this product.

Food Handling Establishments—Places other than five-rental areas in which food is held, processed, prepared, packaged, or served. Applications are limited to spot and crack and crevice treatments only.

Make spot and/or crack and crevice applications of KNOX OUT 2 FM using a 1% spray in and around both food and non-food locations, treating localized areas where cockroaches, silverfish, ants, and flies have been seen or are suspected of hiding or entering. Do not use as a space spray or aerosol spray to contact food, food processing surfaces, or utensils. Make applications using low pressure.

Crack and crevice applications should be made using equipment capable of delivering a pin stream or of applying small amounts of insecticide directly into or between equipment and floors, openings leading to voids in walls, floors, and ceilings, and other locations where these pests may hide or enter.

Spot treatments should not cover areas of more than 2 square feet and not more than 20% of the floor surface should be treated.

44-11-335

LRP
12/29/82

300 | 84291
17 | 11

300 | 84213
17 | 12

300 | 25541
17 | 13

DEC 27 1982

Mr. Gerald Roseberry
Pennwalt Corporation
Agrochemicals Division
Three Parkway
Philadelphia, PA 19102

Dear Mr. Roseberry:

Subject: Conditional Registration Application
Amendments - Update Storage and Disposal Text;
Correct Formula Statement
Knox Out 2FM Insecticide
EPA Registration No. 4581-335
Your Applications Dated September 3, November 1
and November 4, 1982

The amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, (FIFRA), are acceptable. Stamped copies of the label are enclosed for your records. The corrected formula statement has been added to the product's registration file.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

RD:LARocca:DCR-39856:WANG-1682C:pjh:Raven:479-2013:12/17/82

AGCHEM DIVISION—PENNWALT CORPORATION
PHILADELPHIA, PA 19102

NET CONTENTS 1 U.S. GALLON/3.785 LITERS
EPA Registration No. 4581 335
EPA Establishment No. 4581 TX-1

FOR GENERAL INFORMATION AND DIRECTIONS FOR USE REFER TO ACCOMPANYING BROCHURE
See Other Precautionary Statements on the Back Panel
Call a physician if symptoms occur. NOTE TO PHYSICIAN: Atropine is antidotal.
If in eyes—Flush eyes thoroughly with water.
If on skin—Wash thoroughly with soap and water.
If swallowed—Induce vomiting.
STATEMENT OF PRACTICAL TREATMENT
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN
CAUTION: KEEP OUT OF REACH OF CHILDREN
U.S. Patents 3,429,827 and 3,577,515
Contains 2 pounds DIAZINON per gallon
A trademark of Ciba-Geigy Corporation

| | |
|--------|---------------------|
| 100.0% | TOTAL |
| 77.0% | INERT INGREDIENTS |
| 23.0% | ACTIVE INGREDIENTS: |

Flowable Microencapsulated Insecticide

KNOX OUT 2 EM

ACCEPTED
with COMMENTS
by EPA on 11/17/78

4581-335 **PRECAUTIONARY STATEMENTS**
HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Contact with skin can cause toxic symptoms. Avoid breathing spray mist. Do not apply to humans, their clothing or bedding. Do not allow children or pets to contact treated surfaces until spray has dried. Animals should not be sprayed with this product. Cover fish tanks prior to application. After spraying or handling, wash hands and exposed skin before eating, drinking, and smoking. Wash contaminated clothing before reuse. Keep out of reach of children. Avoid contamination of food, feedstuffs, or water supply. Do not contaminate food preparation surfaces, kitchen utensils, dishes, or food storage containers.
Do not spray where electrical short circuits might result, such as wall outlets, conduits, etc.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. 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: Triple rinse container, then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by State and local authorities.

NOTE

FOR
GENERAL
INFORMATION
&
DIRECTIONS
FOR USE
REFER
TO
ACCOMPANYING
BROCHURE



MADE IN U.S.A. 5 9100A 01 02 7 021