

432-772 6.11.2008 1/9
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUN 11 2008

Mr. Jan Brill
Registration Manager
Bayer Environmental Science
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Mr. Brill,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated May 13, 2008, for the product K-Othrine Dust Insecticide (EPA Registration Number 432-772). The Registration Division (RD) has conducted its review of this request for its applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060

 EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other:	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 432-772	2. EPA Product Manager George LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) K-Othrine Dust Insecticide	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 2 T.W. Alexander Dr. Raleigh, NC 27709 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(1), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

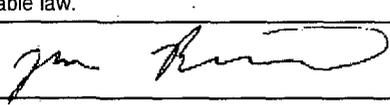
Notification of label change per PR Notice 2007-4

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
* Certification must be submitted			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 1 oz. through 10 lbs.	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)			
Name Jan Brill	Title Manager, Registrations	Telephone No. (Include Area Code) 919/549-2421	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Registrations		
4. Typed Name Jan Brill	5. Date 13 May 2008		

K-Othrine Dust Insecticide

- ❖ PROVIDES QUICK CONTROL OF ANTS, BEES, COCKROACHES, FLEAS, SILVERFISH, TICKS, AND NUMEROUS STORED PRODUCT PESTS.
- ❖ KILLS CRAWLING INSECTS UP TO 8 MONTHS WHEN LEFT UNDISTURBED.
- ❖ FOR USE INDOORS AND OUTDOORS.
- ❖ DOES NOT CLUMP OR ABSORB MOISTURE.
- ❖ NON-STAINING AND ODORLESS.

ACTIVE INGREDIENT:	
Deltamethrin.....	0.05%
OTHER	
INGREDIENTS.....	99.95%
TOTAL.....	100.0%
EPA Reg. No. 432-772	EPA Estab. No. 432-TX-1

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.
 (TO THE USER: IF you cannot read English, do not use this product until the label has been fully explained to you.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF ON SKIN:	Wash with plenty of soap and water. Get medical attention if irritation persists.

In case of medical emergencies or health and safety inquiries or in case of fire, leaking or damage containers, call 1-800-334-7577.

For product information Call Toll-Free: 1-800-331-2867

See Side Panel For Additional Precautionary Statements

NET CONTENTS: 1 and 5 pound



- *stores and institutions
- *supermarkets
- *telecommunication conduits
- *theaters
- *trucks and trailers
- *utility vaults and conduits
- *vessels
- *warehouses
- *zoos

K-Othrine Dust Insecticide is intended for applications with hand or power duster (Actisol® DPA or similar equipment), with a paint brush or by other suitable means, to hiding and runway areas and other places where insects are found. In living areas, make applications in such a manner as to avoid depositions on exposed surfaces or introducing the material into the air. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. To apply insecticide directly into cracks and crevices, use a bulbous duster or other suitable equipment. Apply lightly and uniformly to infested area. Pay particular attention to cracks and crevices; service ducts; false floors and ceilings; wall voids; around electrical and telephone fittings and equipment; around water and sewer pipes; under and behind cabinets, refrigerators and sinks; around windows and door frames; along baseboards; in attics and crawl spaces. The amount to be applied will vary with the site but should usually be in the range of 2-3 grams of K-Othrine Dust Insecticide per square yard (or 0.5 lbs per 1000 square feet).

INDOOR USE
FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS

K-Othrine Dust Insecticide applications are permitted in both food/feed and non-food areas of food/feed handling establishments as a general surface, spot, or crack and crevice treatment. Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

Non-Food/Non-Feed Areas: Examples of non-food/non-feed areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling).

General Surface Application: Do not apply as a general surface application in the food/feed handling areas of the facility, when the facility is in operation or foods are exposed. Do not apply directly to food products. Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias and similar facilities, wash all equipment, benches, shelving and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot, Crack and Crevice Application: Spot and/or Crevice applications may be made while the facility is in operation provided exposed food is covered or removed from area being treated prior to application. Do not apply directly to food or food handling surfaces.

K-Othrine Dust Insecticide may also be applied as a void treatment using suitable equipment, as mentioned above, including Actisol® DPA equipment. Be sure to thoroughly treat service ducts, false floors and ceilings, wall voids, attics and crawl spaces. The amount of dust to be applied will vary with the site but should usually be in the range of 2-3 grams per square yard (or 0.5 lbs per 1000 square feet). Dust applications should be made in a manner to avoid deposits in exposed surfaces introducing the material in the air.

ANTS, BOXELDER BUGS, COCKROACHES (INCLUDING BOTH RESISTANT AND NON-RESISTANT STRAINS), CRICKETS, FLEAS, FIREBRATS AND SILVERFISH: Apply K-Othrine Dust Insecticide thoroughly to all areas where these pests crawl and hide, especially in those areas described above. For ants, apply to ant trails, around doors and windows and other places where ants enter premises.

TERMITES, CARPENTER ANTS AND CARPENTER BEES: Apply to voids or channels in damaged wooden members of a structure; to cracks, spaces or bearing joints between wooden members of a structure; or between such members and the foundation; and in locations vulnerable to termite attack. Drilling may be necessary prior to applying K-Othrine Dust Insecticide in these locations, but it must be recognized that such drilling and treating of timber in a particular location may not result in complete coverage of infested and vulnerable voids or galleries. Drilling directly overhead with subsequent application of K-Othrine Dust Insecticide should be avoided. K-Othrine Dust Insecticide can be applied in attics and crawl spaces to prevent entry of drywood and formosan termites at a rate of 0.5 lb per 1000 square feet of floor area. In these treatments, all vents and blowers should be closed. Inspect at 6 months and one year to insure that colony has been killed. Retreat if necessary. For subterranean termites the purpose of such applications of K-Othrine Dust Insecticide is to kill workers or winged forms which may be present in the treated channels at the time of treatment. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but merely a supplement. For active termite infestations get a professional termite inspection. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but merely a supplement. This supplemental treatment can be particularly supportive of new construction.

CENTIPEDES, GROUND BEETLES, MILLIPEDES, SCORPIONS, SPIDERS AND SOWBUGS: Apply K-Othrine Dust Insecticide along and behind baseboards, to window and door frames, corners, pipes, storage locations, attics, crawl spaces, and other areas which these pests may enter or crawl.

WASPS AND BEES: It is generally advisable to treat wasp and bee nests in the evening when insects are less active and have returned to the nest. Wear protective clothing if deemed necessary to avoid stings. Using hand or power duster (Actisol® or similar equipment) or other suitable means, with extension tubes if necessary, thoroughly dust nest, entrance and surrounding areas where insects alight. Nests in wall voids can be located by listening with your ear against the wall. Drill a hole in the area, blow dust in and reseal. For ground wasps, dust entrance and surrounding areas. For best results check nests carefully one or two days after treatment

to ensure complete kill, then remove and destroy nest to prevent emergence of newly-hatched insects. If removal is not feasible, retreat the nest, if necessary. Do not use this product to treat overhead nests.

WEBBING CLOTHES MOTHS: Use K-Othrine Dust Insecticide as a crack and crevice treatment in closets and other storage areas where these pests are found. This is an adjunct treatment and will not control moth larvae already on the clothes. DO NOT apply this product directly to clothing.

CARPET BEETLES (BLACK, FURNITURE, COMMON AND VARIED): Dust where these insects are found, for example: on and under edges of floor coverings, around baseboards, under rugs and furniture, and in closets. In residential areas do not apply as a broadcast application to floors or floor coverings.

BEDBUGS: Apply K-Othrine Dust Insecticide thoroughly to all areas where these pests are typically found including: folds and tufts of mattresses, coils of springs, cracks and hollow posts of bedframes, upholstery of chairs and sofas, picture frame moldings and all cracks and crevices in the room should be treated. Allow powder to remain in contact with folds and tufts of mattresses, chair and sofa upholstery for 4-6 hours, then thoroughly vacuum these treated areas, dispose of vacuum bag and place clean linens on bed. Also vacuum treated areas that will come into direct contact with humans and pets.

STORED PANTRY & PRODUCT PESTS: To aid in the control of the exposed stages of:

cadelles	merchant grain beetles
cheese mites	red flour beetles
cigarette beetles	rice weevils
confused flour beetles	rusty grain beetles
dark meal worms	saw-toothed grain beetles
dermestid	spider beetles
drugstore beetles	tobacco moths
grain mites	yellow meal worms
granary weevils	warehouse moths
lesser grain borers	indian meal
lesser mealworm	mediterranean flour

FOOD PROCESSING PESTS

(Same crawling & flying pests as in pantry & stored product pests INDOOR) and Fruit flies, Phorid flies and Sciariid flies.

Clean up waste materials, dust, dirt and other debris. Thoroughly treat floors, walls and other surfaces in storage and handling areas. Apply dust in cracks and crevices, behind and under cupboards, and other difficult to reach areas where insects may hide. DO NOT apply directly on food/feed, utensils or on areas where food/feed is stored.

ORNAMENTAL PLANT PESTS

For the control of:

aphids	Leafrollers
beet armyworms	orange tortrix
blister beetles	periodical cicada
boxelder bugs	plant bugs
certain leafminers (Boxwood, Holly, Oak, Spruce Needle)	rose chafer
elm leaf beetle	rose midges
flea beetles	rose slugs
Japanese beetle	tent caterpillars
leafhoppers	Thrips
	Weevils

SHRUBS AND ORNAMENTALS: Apply when insects or their damage first appear and repeat at weekly intervals or as necessary. Apply 8 ounces per 1000 square feet; or thoroughly apply to place a thin layer of dust on both upper and lower sides of leaves, stems and flowers.

ROSES, PETUNIAS, CHRYSANTHEMUMS, GERANIUMS, CARNATIONS AND OTHER RELATED FLOWERS: To control many leaf and flower chewing insects, apply as soon as the insect appears and repeat at 7 day intervals or as long as insects continue to appear. Apply a thin layer of dust on both upper and lower sides of leaves, stems and flowers.

OUTDOOR USE

PERIMETER TREATMENT: Use K-Othrine Dust Insecticide as a residual treatment for control of ants, bees, centipedes, cockroaches, crickets, firebrats, fleas, ground beetles, millipedes, scorpions, silverfish, slugs, sow bugs, spiders, ticks and wasps. Make a residual treatment around windows and doors, porches, screens, eaves, patios, garages, under stairways, in crawl spaces and other areas where pests hide. To help prevent the invasion of buildings and structures by these pests, apply thoroughly and uniformly to the foundation and crawl spaces where pests are active and may find entrance.

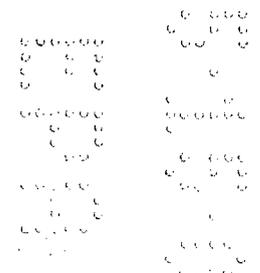
SEWER TREATMENT: Cockroach infestations in sanitary sewers may be treated with K-Othrine Dust Insecticide to provide quick knockdown and short-term population suppression. When treating sewers, one manhole per 200 linear feet should be treated. Treatments are made by removing the manhole cover and replacing with a disc of plywood bored to receive the typical flexible hose from portable or truck-mounted ventilating equipment. Apply 1-2 ounces of dust into the ventilating air to be dispersed quickly and thoroughly through the system.

TELECOMMUNICATION TREATMENT: Apply K-Othrine Dust Insecticide into telecommunication conduits, cracks and crevices, junction boxes, etc. using suitable application equipment (such as Actisol® DPA Duster, or other types of application equipment capable of applying the proper amount). The amount of K-Othrine Dust Insecticide to be applied will vary, but should usually be approximately 1 gram of dust per cubic foot of conduit. [To calculate cubic feet, use the following equation: ($\pi \times \text{radius}^2$ of the conduit x length of the conduit. NOTE: radius = one-half the diameter. Example: 500 linear feet of a 4" (12" = 1 foot; therefore, 0.33 ft) conduit = $3.14 \times (0.17 \text{ ft} \times 0.17 \text{ ft}) \times 500 \text{ ft} = 45.39$ cubic feet].

K-Othrine Dust Insecticide can be used in areas showing signs of active termite infestations, such as underground telecommunication cable conduits, electrical cable conduits, junction boxes and manholes. Apply dust through suitable application equipment (such as the Actisol® DPA Duster, that is capable of delivering particles suspended in a low pressure air system). Applications should be made from both ends of a run of open conduit in cases where breakdown in the conduit is suspected. K-Othrine Dust Insecticide can also be applied directly to the interior of the conduits after cables have been installed. Apply at the rate of 1 gram of dust per cubic foot of conduit using equipment (i.e., Actisol® DPA Duster) that is capable of delivering particles suspended in a low pressure air system.

FIRE ANTS: Apply dust with a shaker can. Thoroughly apply to adequately cover mound and around the perimeter (18" from the outer edge of the mound). A second treatment may be necessary if complete control is not obtained. **DO NOT DISTURB THE MOUND PRIOR TO APPLICATION.** If possible, treat all colonies in the vicinity. Also, treat colonies which have not yet constructed a mound.

FLEAS AND TICKS IN RODENT BURROWS: To control fleas and ticks in and around rodent burrows around homes and other buildings, apply K-Othrine Dust Insecticide with a shaker can. For prairie dogs thoroughly treat quarantine areas and holding areas as well as burrows in open fields. Thoroughly apply dust to adequately cover mound and around the perimeter (18" from the outer edge). Be sure to treat abandoned rodent burrows which are suspected of containing fleas and ticks. Treat for a minimum of 5 days for light rodent populations, 10 days when populations are dense. Apply as needed for control.



Bayer Environmental Science



Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

ATTN: George LaRocca, PM #13

Subject: K-Othrine Dust Insecticide, EPA Reg. No. 432-772
Notification of Label Change per PR Notice 2007-4

Dear Mr. LaRocca,

With this submission, Bayer Environmental Science notifies EPA of Label Changes to bring the subject product into compliance with PR Notice 2007-4, consisting of the following changes to the Container Disposal section of the Storage and Disposal Statement (verbatim from PR Notice);

- Addition of non-refillable advisory & statement to not re-use or refill container.
- Added "if available" and "if appropriate" to the recycling and reconditioning wording.

To effect this action, enclosed please find the following;

1. EPA Form 8570-1
2. 1 copy of final printed labeling for the subject product
3. 1 copy of final printed labeling with changes highlighted

Please note that the subject product bears no direction to dilute the product before use, and therefore does not require addition of the specific triple rinsing directions contained in the PR Notice.

I trust that this completes the documentation for this registration action. If you have any questions, or require further information, please contact me either by telephone at 919/549-2421 or email at jan.brill@bayercropscience.com

Sincerely,

Manager, Registration

Email; jan.brill@bayercropscience.com

May 13, 2008

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