



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

April 30, 2018

Rebecca M. Horton
JESMOND HOLDING AG
c/o Registrations by Design, Inc.
P.O. Box 1019
Salem, VA 24153

Subject: PRIA Label Amendment – Addition of public health pests and related claims
Product Name: BIO KILL BRAND MICRO-FAST RTU
EPA Registration Number: 64321-15
Application Date: 15-Jan-2018
Decision Number: 537510

Dear Ms. Horton:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, you may contact Dr. Breeden-Alemi at 703-347-0511 or via email at Breedden-Alemi.Julie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kable Bo Davis', enclosed within a large, hand-drawn oval.

Kable Bo Davis, Product Manager 3
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

- { } Text in braces appears as notes to the reviewer
 [] Text in brackets is optional
 () Text in parentheses included on label

BIO KILL® BRAND MICRO-FAST RTU

{When labeled/distributed to kill head lice, the following to be featured on front label panel} NOT FOR USE ON HUMANS OR ANIMALS

{Optional Marketing Statement(s)}

[Use in, on and around buildings and structures for the control of listed pest.]
 [For Indoor and Outdoor Use]
 [Use in and around residential buildings, on ornamental trees and shrubs, and recreational areas.]
 [Use as a perimeter treatment around the home to kill [protect against] listed insects [pests].]
 [Kills ants (excluding carpenter, harvester, and pharaoh ants) fire ants, and other listed pests.]
 [Kills By Contact – Keeps On Killing house flies, mosquitoes and cockroaches indoors up to 8 weeks!]**]
 [[Fast] [Knockdown and killing effect of {at least one or all of the following pests to be featured with this claim} head lice*, dust mites, house flies, German cockroaches, mosquitoes and fleas] by direct spray!]
 [Kills By Contact] [– reveals a residual killing efficacy** indoors for up to 8 weeks [2 months] [56 days] after treatment for house flies, mosquitoes and cockroaches.]
 [Kills ants (excluding carpenter, harvester and pharaoh ants), fire ants, clothes moths, cockroaches** (American and German), dust mites, houseflies**, mosquitoes**, silverfish, spiders** (excluding black widow spiders) [including brown recluse and funnel-web spiders].]
 [Kills ants (excluding carpenter, harvester and pharaoh ants), fire ants, clothes moths, cockroaches (American and German), dust mites, fleas, head lice*, houseflies, mosquitoes, silverfish, spiders excluding black widow, hobo and sac spiders), and other listed insects.]
 [Apply as a direct contact spray to kill spiders (excluding black widow, hobo and sac spiders), house flies, mosquitoes, cockroaches, fleas, fire ants, head lice* and ticks]
 [Kills [Controls] house flies, mosquitoes and cockroaches indoors on non-porous surfaces for up to 12 weeks]
 [Kills [Controls] fire ants indoors on non-porous surfaces for up to 8 weeks]
 [[Very] Fast knockdown and killing of head lice*]

[32 fl. oz. covers [treats] 200 sq. ft.]
 [24 fl. oz. covers [treats] 150 sq. ft.]

*not for use on humans
 ** on non-porous surfaces

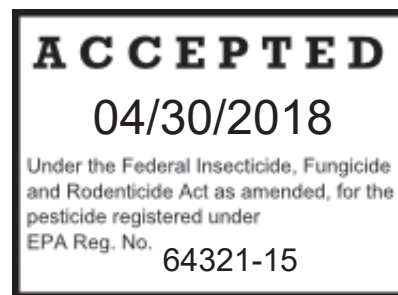
Active Ingredients:

d-Phenothrin (CAS #26002-80-2).....0.10%
 Prallethrin (CAS #23031-36-9).....0.01%

Other Ingredients: 99.89%

Total: 100.00%

(Contains 0.008 lb. d-Phenothrin and 0.0008 lb. Prallethrin per gallon)



KEEP OUT OF REACH OF CHILDREN
CAUTION

See [back] [side] panel[s] for additional Precautionary Statements

Net Contents _____

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

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 foraging the treatment area.

DIRECTIONS FOR USE

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

SHAKE WELL BEFORE USING.

32 fl. oz. covers approximately 200 sq. ft. of treatment area.

[{optional – based on packaging size;} 24 fl. oz. covers approximately 150 sq. ft. of treatment area.]

INDOOR USE

RESTRICTIONS: Do not enter or allow others to enter the treated area until the sprays have dried. Do not allow people or pets to enter treated area until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated. Wait two (2) hours after application, then open windows, vents and doors for two (2) hours. If an odor is still detected, additional ventilation is required. Remove pets, birds and cover fish aquariums before spraying. In the home, cover all food processing surfaces and utensils during treatment or thoroughly wash utensils before use. Cover exposed food and remove utensils in serving areas. Application is prohibited directly to sewers or drains, or to any area like a gutter when drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

32 fl. oz. covers approximately 200 sq. ft. of treatment area.

[{optional – based on packaging size;} 24 fl. oz. covers approximately 150 sq. ft. of treatment area.]

KILLS FLYING INSECTS including Asian lady beetles, fruitflies, non-biting (fungus) gnats, and small flying moths. Close all doors and windows. Holding spray nozzle about 3 feet from interior walls, fabrics or furniture, spray Bio Kill® brand Micro-Fast RTU into the air with a

sweeping motion until the room is thoroughly misted. Vacate room, close door and keep closed for 2 hours. Ventilate room prior to re-entry.

For residual control, apply as a direct spray to screens, areas around doors and windows and other non-porous surfaces where the above listed pests gain entrance to the house.

For houseflies, mosquitoes and Asian lady beetles apply as a direct spray to visible insects.

KILLS CRAWLING INSECTS including ants (excluding carpenter, harvester, and pharaoh ants), fire ants, carpet beetles, clothes moths, cockroaches (American & German), crickets, dust mites, firebrats, fleas, head lice*, pillbugs, silverfish, sowbugs, and spiders (excluding black widow, hobo and sac spiders) and ticks.

*not for use on humans

Apply as a direct contact spray to kill fleas, head lice*, spiders (excluding black widow, hobo and sac spiders) and ticks, hitting as many insects as possible, and to insect (excluding fire ants) hiding places such as baseboards and floor boards; undersides of carpets; under and behind cabinets, bookcases, shelves and other storage areas; refrigerators, stoves, and in moist areas around sinks, and pipes. When applying near stoves or water heaters, turn off pilot light prior to spraying.

For Ants (excluding carpenter, fire, harvester, and pharaoh ants), spray visible ant trails and hills around doors and openings where listed ants crawl.

For indoor applications, **Bio Kill® brand Micro-Fast RTU** can be applied at [4 weeks] [30-day][1 month] intervals if necessary. Applied as directed, BioKill Micro-Fast RTU provides **8 weeks** indoor control of fire ants and 12 weeks indoor control of cockroaches when applied to non-porous surfaces.

Applied as directed, to non-porous surfaces. **Bio Kill® brand Micro-Fast RTU** provides 8 weeks residual indoor control of *ants (excluding carpenter, harvester, and pharaoh ants), fire ants, cockroaches (American & German), moths, and silverfish.).*

Also kills *boxelder bugs, carpet beetles, cigarette beetles, clover mites, confused flour beetles, crickets, earwigs, firebrats, fleas, head lice*, lesser grain borers, millipedes, red flour beetles, rice weevils, saw-toothed grain beetles, sowbugs, litter beetles (adults/immature stages such as Darkling, Hide, and Carrion), pillbugs, spiders (excluding black widow, hobo and sac spiders), spider mites (Two-spotted, Spruce), and ticks*

For Surface or Spot Applications: Hold sprayer nozzle approximately 12 inches from surface to be treated. Apply directly to insects when possible.

For Crack & Crevice Applications: Adjust sprayer nozzle to deliver a pin stream; place nozzle tip into cracks, crevices, holes and other small openings.

Ants (excluding carpenter, fire, harvester, and pharaoh ants): Apply as a crack and crevice or spot treatment to ant trails around doors and windows where listed ants may be found.

Locate and treat nests. Where listed ants are trailing inside, apply as a residual treatment to active areas such as baseboards, corners, around pipes, in and behind cabinets, behind and under refrigerators, sinks, furnaces and stoves, cracks and crevices.

Cockroaches (American & German), Silverfish, Spiders (excluding black widow, hobo and sac spiders): **Apply as a crack and crevice or spot treatment using** a coarse, low pressure spray to baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics, and eaves, cabinets, behind and under refrigerators, sinks, furnaces and stoves, the underside of shelves and drawers, contacting as many pests as possible. Pay particular attention to cracks and crevices.

Crickets, Earwigs and Firebrats: **Apply as a crack and crevice or spot treatment using** a coarse, low pressure spray to baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics, and eaves, cabinets, behind and under refrigerators, sinks, furnaces and stoves, the underside of shelves, and drawers. Pay particular attention to cracks and crevices; also see **Outdoor Surfaces Use**.

Pantry Pests (Carpet Beetle, Cigarette beetle, Confused flour beetle, Lesser grain borer, Red flour beetle, Rice weevil, and Saw-toothed grain beetle): **Apply as a crack and crevice or spot treatment** to cupboards, shelving, and storage areas. Remove all utensils, uncovered foodstuffs (or any having original package opened), and shelf paper before making application. Allow treated surfaces to dry and cover shelves with clean paper before replacing utensils, foodstuff, or other items. Any foodstuff accidentally contaminated with treatment solution should be destroyed.

Boxelder Bugs, Millipedes, Pillbugs, and Sowbugs: **Apply as a spot or crack and crevice spray** around doors and windows where these pests may be found or where they may enter premises. Treat baseboards and storage areas. Apply outdoor barrier treatments to prevent infestation as described below; also see **Outdoor Surfaces Use**.

Head Lice: NOT FOR USE ON HUMANS. To kill *head lice*, – Apply as a direct spray, contacting as many head lice as possible. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated articles to dry thoroughly before use. .

House Flies, Mosquitoes: **Apply as a residual surface spray** directly to non-porous surfaces including walls, ceilings, window screens, and resting areas. May be used inside residential buildings, as well as in garages and storage sheds.

Pet Kennels & Bedding

Fleas & Ticks: NOT FOR USE ON PETS. Apply as a direct spray, contacting as many fleas and ticks as possible. Make interior and exterior perimeter applications in and around the pet housing structures. Normal cleaning of the structure must also be done along with applications of **Bio Kill® brand Micro-Fast RTU** to effectively kill fleas, ticks and other crawling and flying insect pests listed on this label.

Bio Kill® brand Micro-Fast RTU may be used in unoccupied areas of pet housing structures. Apply to floors, vertical, and overhead surfaces where crawling or flying insect pests are or may be present. Pay attention to areas where insect pests hide or congregate. [Exterior applications to

south facing walls and foundation perimeters can help prevent interior infestations of [Asian lady beetles] [, boxelder bugs] [, millipedes] [, sowbugs] [, pillbugs] [, earwigs] [firebrats] [, and silverfish].]

OUTDOOR USE

RESTRICTIONS: Application is prohibited directly to sewers or drains, or to any area like a gutter when drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application. Do not water the treated area to the point of run off. Do not make applications during rain.

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label: 1) applications to soil or vegetation, as listed on this label, around structures; applications to lawns, turf, and other vegetation, as listed on this label; applications to the side of a building, up to a maximum height of 3 feet above grade; applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhand, awning, or other structure; 5) applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width; 6) applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.

{Optional – when labeled/distributed for residential use:}

[All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: 1) treatment to soil or vegetation around structures; 2) applications to lawns, turf, and other vegetation; 3) applications to building foundations, up to a maximum height of 3 feet. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.]

[32 fl. oz. covers approximately 200 sq. ft. of treatment area.]

[24 fl. oz. covers approximately 150 sq. ft. of treatment area.]

Outdoor Surfaces Use

Applied as directed, **Bio Kill® brand Micro-Fast RTU** provides 8 weeks residual control of **moths, and silverfish**. Also kills **crickets, millipedes, sowbugs, pillbugs**.

Apply at 4 to 8 weeks [1 to 2 months] intervals if retreatment is necessary with a lawn and garden sprayer as a residual surface treatment to kill moths, silverfish, crickets, millipedes, sowbugs and pillbugs infesting ornamental plants next to foundations of buildings and to surfaces of buildings, porches, screens, window frames, eaves, patios, garages, and refuse dumps where these insect pests are active. Do not use on edible crops.

Apply as a direct contact spray to kill fire ants, cockroaches (American & German), houseflies, mosquitoes, spiders (excluding black widow, hobo and sac spiders), fleas and ticks.

Perimeter Treatments

Apply a continual band of insecticide contacting as many insects as possible around building foundations and around windows, doors, entrances, eaves, and vents to reduce the potential for

entry by crawling pests. Before applications, remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation. Apply the band up to 10 ft. wide around the structure and upwards along the foundation to 3 ft., and around windows, doors, and roof overhangs. Apply as a coarse spray to thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active.

OUTDOOR ORNAMENTALS

Bio Kill® brand Micro-Fast RTU may be used for applications to maintain outdoor areas where ornamentals are grown such as residential lawns and landscaped areas (including trees, shrubs, flowers, evergreens, foliage plants, and groundcovers).

IMPORTANT: Time application to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

[32 fl. oz. covers approximately 200 sq. ft. of treatment area.]

[24 fl. oz. covers approximately 150 sq. ft. of treatment area.]

Bio Kill® brand Micro-Fast RTU is for use in residential landscaped areas including trees, shrubs, flowers, evergreens, foliage plants and groundcovers. Kills *aphids, armyworms, azalea caterpillars, bagworms, black vine weevils (adults), boxelder bugs, brown softscales, budworms, California oakworms, California redscales (crawlers), cankerworms, caterpillars, crickets, cutworms, Eastern tent caterpillars, Elm leaf beetles, European sawflies, fall webworms, flea beetles, forest tent caterpillars, gypsy moth larvae, Japanese beetles (adults), June beetles, lace bugs, leaf-feeding caterpillars, leafhoppers, leafminers (adults), leaf rollers, leaf skeletonizers, mealybugs, non-biting midges, Oleander moth larvae, pillbugs, pine sawflies, pine shoot beetles, pineneedle scales (crawlers), pinetip moths, plant bugs, potato beetles, root weevils, scale insects (crawlers), spittlebugs, striped beetles, striped oakworms, thrips, tip moths, Tussock moth larvae, webworms and whiteflies.*

Apply at 4 to 8 weeks [1 to 2 months] intervals if retreatment is necessary with a lawn and garden sprayer as a residual surface treatment to kill the above listed pests. Application to ornamentals should be started prior to the establishment of high insect pest populations. Good spray coverage is necessary to provide the most effective level of control.

Scale: Thoroughly cover the plant with **Bio Kill® brand Micro-Fast RTU** spray, including trunks, stems, twigs, and foliage for control of scale insects (crawler stage).

Bagworm: Apply **Bio Kill® brand Micro-Fast RTU** when bagworm larvae begin to hatch. Spray directly on the larvae. Application is the most effective when the larvae are young.

NOTE: While phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed, certain cultivars may be sensitive to the final spray solution. It is advised to prespray a selection of ornamental plants and observe them for 7 – 10 days prior to treating large areas if local use experience is unavailable.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container, out of reach of children and pets.

Pesticide Disposal: *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.
Container Handling: *If empty* -- Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

To the extent consistent with applicable law, seller makes no warranty, expressed or implied, concerning this use of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risk of use and/or handling of this product when such use and/or handling is contrary to label instructions.

Jesmond Holdings Ag
PO Box 248, Baarerstrasse 8, CH 6300, Zug, Switzerland

{Lot No. to be added at production}