

432-1460

03-16-2011

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

**March 16, 2011**

**Jan Brill, Manager, Registrations  
Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709**

**Subject:** Label amendment-Reducing the application rate of gel bait placements for cockroaches  
**Product Name:** MAXFORCE® FC Roach Killer  
**EPA Reg. No.:** 432-1460  
**EPA Decision No.:** 441950  
**Application Dated:** November 5, 2010

Dear Mr. Brill:

The Agency in accordance with the Federal Insecticide Fungicide and Rodenticide Act as Amended (FIFRA) has completed reviewing all of the information submitted with your application to support the amended registration of the aforementioned product and have concluded that your submission is acceptable.

The revised labeling, including your revisions submitted 14 March, 2011, in response to the Agency's first efficacy review, is acceptable. Copies of both the Agency's product performance/efficacy reviews are enclosed. A copy of the label stamped "Accepted" is enclosed for your records. If you have any questions, you may contact Clayton Myers at (703) 347-8874 or [myers.clayton@epa.gov](mailto:myers.clayton@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Richard Gebken".

Richard Gebken  
Product Manager  
Registration Division, Insecticide Branch  
(7505P)

Enclosures:  
Label Stamped "Accepted"  
Copies of Agency's Product Performance/Efficacy Reviews

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MAR 16 2011  
Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

432-1460

EPA Reg. No.

# MAXFORCE® FC Roach Killer Bait Gel F.05

FOR USE IN COMMERCIAL, INDUSTRIAL AND RESIDENTIAL AREAS

**ACTIVE INGREDIENT:**

Fipronil\*: [5-Amino-1-(2, 6-dichloro-4-trifluoromethyl) phenyl]-4-(1, R, S)-(trifluoromethyl) sulfinyl)-1H-pyrazole-3-carbonitrile].....0.05%

**OTHER INGREDIENTS:**..... 99.95%

**Total:**..... 100.00%

\*CAS NO. 120068-37-3

Contains: 1 plastic reservoir -OR- 1 pre-filled plastic dispenser

EPA Reg. No. 432-1460

EPA Est. No.

**STOP - READ THE LABEL BEFORE USE.  
KEEP OUT OF REACH OF CHILDREN.  
CAUTION**

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-800-331-2867

Product may stain textiles and clothing.

**FIRST AID**

<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-334-7577 for emergency medical treatment information.</p>	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

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

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use this product in or on electrical equipment where a possibility of shock hazard exists.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool, dry area out of reach of children.

**DISPOSAL:** If Empty: Do not reuse container. Place in trash or offer for recycling if available.

If Partly Filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

If you have questions regarding the use of this product, please call 1-800-331-2867.

**CRACKS & CREVICES CLAIMS:**

For crack and crevice cockroach control  
Use in cracks and crevices  
Use in cracks and crevices against roaches

**CONTINUOUS ACTION CLAIMS:**

Kills Roaches and Keeps on Killing  
Long lasting control

**DUAL KILL CLAIMS:**

Dual -or- Double killing action -or- formula\*  
Kills [cockroaches in 2 ways] by ingestion and contact  
Kills roaches through -or- by ingestion -or- contact  
Kills two ways\*

**GUARANTEES:**

Guaranteed to kill roaches  
Guaranteed to work (or your money back)  
Satisfaction Guaranteed

**FORMULA CLAIMS:**

Faster acting formula\*\*  
Patented [action] formula -or- ingredient

**LARGE ROACHES† ONLY CLAIMS:**

Effective on -or- kills large [American] roaches† and Palmetto bugs  
Kills and -or- controls American roaches and Palmetto Bugs  
Starts killing large roaches† in 1-2 days

**NO MESS CLAIMS:**

Easy to use [apply]; nothing to activate  
No messy residue  
No vapor, fumes or odor

**OTHER CONSUMER CLAIMS:**

Controls German roaches  
Designed -or- ideal for use in kitchens‡  
Easy to use [apply]  
Effectively kills without a trace - - no fumes or odor

For indoor and outdoor (adjacent to home -or- structure) use§  
[cockroach control]  
Kills roaches where you can't find them  
Kills roaches you don't see  
Kills roaches you see and [even] those you don't for complete protection  
Works inside and outside (adjacent to home -or- structure)  
Kills -or- destroys the egg machine

**OTHER FORMULA CLAIMS:**

Quick kill formula  
Fast action formula  
Special Patented (action) formula -or- ingredient

**PROPHYLACTIC CLAIMS:**

Use outdoors§ to prevent large roaches† from coming indoors

**SPEED OF KILL CLAIMS:**

Fast acting ingredient  
Fast acting -or- action ingredient -or- formula  
Gain control of your large roach† problem 2 times faster than before\*\*  
Gain control of your small roach problem 4 times faster than before\*\*  
Kills German roaches (2-10 times) faster than before\*\*  
Kills roaches faster\*\*  
Kills roaches quickly  
Kills quickly and keeps on killing  
Now works even faster or better on large roaches† than previous Maxforce gel formulations  
Now works in [1-2] days on large roaches†  
Overnight results -or- action -or- kill  
Roach control in 2 days (German)  
Roach control in 8 days (American)  
See results sooner\*\*  
See visible results overnight  
Starts killing within a day  
Starts killing roaches in hours -or- overnight  
Starts killing [roaches] overnight and keeps on killing  
Starts working in hours

\* ingestion -or- contact

\*\* vs. MAXFORCE Hydramethylnon product

† American, Oriental, Brown, Smokey Brown

‡ not to be used on surfaces where food is handled or prepared

§ in cracks or crevices adjacent to home -or- structure

**Provides FAST CONTROL in 2 days (German roaches).**

**Dual Action kills roaches two ways.**

Contains Fipronil, which kills roaches by ingestion and contact. During-or- After foraging roaches either eat or contact the bait, they return to the harborage and contaminate -or- kill other roaches.

**Kills roaches in their harborage.**

Inject bait into cracks and crevices or apply as a spot where roaches harbor or enter a structure.

**This product effectively controls large roaches†.**

This product contains Fipronil, a fast-acting active ingredient that kills American roaches. This product controls large [American] roach† populations in 8 days.

## DIRECTIONS FOR USE

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

Use MAXFORCE® FC ROACH KILLER BAIT GEL F.05 as a spot or crack and crevice treatment for the indoor and outdoor (adjacent to homes & structures) control of cockroaches in residential areas and the non-food/non-feed areas of institutional, warehousing and commercial establishments, including warehouses, restaurants, food processing plants, supermarkets, hospitals, nursing homes, motels, hotels, apartment buildings, bakeries, beverage plants, breweries, bottling facilities, candy plants, canneries, cereal processing and manufacturing plants, dairies and dairy product processing plants, frozen food plants, schools, laboratories, computer facilities, sewers, "aircraft," buses, boats/ships, trains, homes, houses, industrial buildings, office buildings, kennels, kitchens, manufacturing facilities, spice plants, stores, wineries and similar structures, mausoleums, meat processing and packaging plants, meat and vegetable canneries, pet shops and zoos. Non-food/non-feed areas include bedrooms, living rooms, bathrooms, closets, media rooms, garbage rooms, lavatories, entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). This product may also be used in food/feed areas of food/feed handling establishments as outlined below.

May stain textiles, fabrics and or porous surfaces.

### USE RESTRICTIONS

Do not treat food preparation surfaces. Keep gel away from foods and food contact surfaces. Do not apply bait gel to areas which have been recently sprayed with insecticide, and do not spray insecticide over gel as it may cause the bait to become repellent. USE ONLY IN AREAS NOT EASILY ACCESSIBLE TO CHILDREN AND PETS. In pet shops and zoos place bait out of reach of pets and zoo animals.

### GENERAL DIRECTIONS

Application rate for all uses: Application rate varies according to the level of infestation and species to be controlled. Apply gel as round spots or thin beads into cracks and crevices or as a spot treatment. Place bait close to cockroach harborages, foraging and feeding areas such as corners and cracks and crevices. Numerous smaller bait placements provide faster control than fewer larger placements. In cases of severe infestation and areas with excessive clutter or alternative food sources that cannot be eliminated, use the higher rate of application.

#### German cockroaches, Brown Banded Cockroaches and stored product pests:

For use in maintenance programs where regular [monthly, quarterly] applications are made for continuous control of cockroach populations, use 0.75 grams of bait per square yard. This rate will not provide fast control of existing infestations.

For light to moderate infestations (or for retreatments), use up to 1.5 grams of bait per square yard.

To clean out severe or heavy infestations, use up to 3.0 grams of bait per square yard.

Large cockroaches such as American, Smokey-Brown or Oriental: 1 to 2 grams of bait per square yard."

#### Bait Quantity Reference Table

Approximate weight per spot diameter	Approximate weight per bead length
0.1 gm = 1/4 inch diameter spot	1/3 gram = 1.5 inch bead
1.0 gm = Dime size spot	2/3 gram = 3.0 inch bead
1.5 gm = Quarter size spot	1 1/3 gram = 6 inch bead

Place bait under baseboards, sinks, countertops, seats, around water pipes, water heaters, dishwasher equipment, in crack and crevices as well as voids where insects harbor.

**PANTRY PESTS:** To control exposed, adult stages of beetles: cadelle, cigarette beetle, confused flour beetle, dermestid, drugstore beetle, flat grain beetle, granary weevil, lesser grain borer, lesser mealworm, mealworm, merchant grain beetle, red flour beetle, rice weevil, rusty grain beetle, saw-toothed grain beetle, spider beetle, or warehouse beetle. After removing infested foodstuffs and cleaning up spilled foodstuffs and dust, applications of this product will kill adult stages of beetles remaining in area. Apply in voids, cracks and crevices, behind and under cupboards, and other difficult to reach areas where insects may hide. Application rate is dependent on level of infestation.

**Applications in Food/Feed Handling Establishments:** Application within food/feed areas of food/feed handling establishments is limited to crack and crevice treatment only. If gel contacts an exposed surface where food is handled, remove gel and wash exposed surface with an effective cleaning compound followed by a potable water rinse prior to use. Apply with Maxforce Bait Injector directly into cracks and crevices. Place applicator tip 1/2 inch into cracks, crevices, holes and other small openings where roaches may be a problem. Apply small amounts of gel.

#### Use Restrictions in Food/Feed Handling Establishments:

Do not apply bait to areas where food/feed, utensils or processing surfaces may become contaminated. Do not apply bait to areas that are routinely washed such as cracks and crevices in tops of tables, food/feed preparation and prepared food holding surfaces as bait may be removed by washing. Do not apply bait to surfaces where the temperature exceeds 130°F as bait may run. Examples include, but are

not limited to, portions of stoves, ovens, grills, fume hoods, heat lamps, coffee urns, steam tables, toasters, fryers, dishwashers and hot water pipes. Care should be taken to avoid depositing gel onto exposed surfaces. If gel contacts an exposed surface, remove gel and wash exposed surface.

Food/feed areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas are also considered a food/feed area when food is exposed and facility is in operation. Apply bait in small amounts between different elements of construction, between equipment and floors, openings leading into voids and hollow spaces in floors, walls, ceilings, equipment legs and bases, around plumbing pipes, doors and windows, behind and under refrigerators, cabinets, sinks, closets, stoves and other equipment where cockroaches hide. During follow-up visits inspect bait placements and reapply when necessary.

**Application of this product in food/feed areas of food/feed handling establishments other than as a crack and crevice treatment is not permitted.**

Gel placements should be at or near harborage or aggregation areas, such as corners or cracks and crevices. Numerous smaller placements will provide faster control than fewer larger spots, especially for German cockroach control.

**For outdoor use** (adjacent to home -or- structure): Place bait in areas adjacent to structures where [large] roaches may nest or breed. Apply bait to potential points of insect entry, such as eaves, sills, and expansion joints. Apply bait in protected areas whenever possible. Environmental stresses such as direct sunlight and water will reduce the residual effectiveness.

Priority treatment areas may be identified by visual inspection of such areas listed above or aided by trapping techniques or spot flushing.

**Refillable stations:** MAXFORCE FC ROACH KILLER BAIT GEL F.05 may be placed into refillable bait stations designed for interior or exterior use; when placing bait in stations do not exceed 1 gm (1/5 teaspoon) and do not exceed the capacity of the stations. Close the station securely after application. During follow up visits inspect placements and reapply as needed.

**Directions for loading reservoirs and operation:**

1. With the [teeth of] -or- [arrow on] the drive rod facing up, pull the drive rod all the way back. If the drive rod is initially hard to move, simply un-screw (turn counter-clockwise) the black portion of the applicator that holds the gel reservoir until the drive rod moves easily.
2. Attach a pre-filled reservoir of gel with a twist-locking motion. Remove the outlet cap and attach a dispensing tip. Break-tip Reservoir: Prior to use, break the snip-tip closed end of the gel reservoir at the scored line. After use, the reservoir may be resealed with the enclosed black outlet cap. The black outlet cap is reusable.
3. Turn the knob of the drive rod so that the teeth are facing down and move it slightly forward so that the trigger mechanism will engage. Squeeze the trigger until the drive plunger seats against the piston in the gel reservoir. Gently squeeze the trigger until the gel flows out.
4. If gel continues to flow after the trigger is released, simply un-screw the portion of the bait applicator that holds the reservoir to a point where gel does not continue to flow after the trigger is released.

**Directions for changing reservoirs:** With the arrow on the drive rod pointing up, pull the drive rod out as far as it will go. Remove the empty reservoir and follow instructions in the Storage and Disposal box. Reservoirs that still contain gel can be sealed with the end cap and outlet cap for future use. To attach a new reservoir follow the above directions.

-or-

**For syringe**

**To apply gel:** Remove the cap on the nozzle, touch the tip to cracks and crevices or apply as a spot, and depress the plunger. The bait will adhere to non-greasy or non-dusty surfaces and will remain pliable and palatable to cockroaches as long as it is visibly present. Reapply when bait is no longer visibly present, according to the remaining level of infestation, which is generally at a lower rate (see Application Rate Table) than the initial treatment. A visual inspection of bait placement is recommended at one month after the initial treatment. Reapplication should occur if the bait is visibly depleted.

Pest population reduction will be apparent within 1 day for German roaches and 3-4 days for American roaches.

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**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Bayer CropScience LP disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

**NET CONTENTS:**

**PRODUCED FOR**



**Bayer Environmental Science**

A Division of Bayer CropScience LP  
P.O. Box 12014, 2 T. W. Alexander Drive  
Research Triangle Park, North Carolina 27709

MAXFORCE FC ROACH KILLER BAIT GEL F.05 (PENDING) 09/16/10, Resubmitted 03/14/11

**UNIT LABEL FOR Maxforce® FC Roach Killer Bait Gel F.05**

**Maxforce® FC Roach Killer Bait Gel F.05**

Note: Do not remove this label. Use only in areas not easily accessible to children and pets.

ACTIVE INGREDIENT: Fipronil†.....0.05%

OTHER INGREDIENTS:.....99.95%

†CAS NO.120068-37-3

**KEEP OUT OF REACH OF CHILDREN AND PETS**

**CAUTION:**

Keep gel away from foods and food contact surfaces. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

**CONTAINER DISPOSAL:** If empty: Do not reuse container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. If you have questions regarding the use of this product, call toll free 1-800-331-2867.

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May stain textiles, fabrics and/or porous surfaces.

**SEE OUTER CARTON FOR COMPLETE DIRECTIONS AND PRECAUTIONS**