



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 16, 2016

Mr. Steven K. Ditto
U.S. Regulatory Affairs Manager
McLaughlin Gormley King Company
D/B/A MGK
8810 Tenth Avenue North
Minneapolis, MN 55427

Subject: Label Amendment – Addition of claims – Zika
Product Name: MGK Formula 2980
EPA Registration Number: 1021-2609
Application Date: 26-Feb-2016
Decision Number: 514691

Dear Mr. Ditto:

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, please contact Dee Colby by phone at 703-347-8657, or via email at Colby.deanna@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. S.', with a long horizontal stroke extending to the right.

Jennifer Urbanski Saunders, Product Manager 4
Invertebrate & Vertebrate Branch 1 (IVB1)
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

MGK[®] Formula 2980

[ABN: Troika[®] Misting Concentrate]

[ABN: Troika[®] Barn Misting Concentrate]

[General Claims:]

- Designed for Misting Professionals
- For use in Automatic Spraying Systems
- Specially designed for misting systems
- Labeled for use in Automatic Misting Systems
- Engineered for use in Misting Systems
- For use in and around Horse Barns
- For use in and around Zoo Animal Quarters
- For use in and around Dog Kennels
- Easy to use
- Labeled for use in handheld applicators
- Ideal for use before outdoor events
- Aids in reducing annoyance from Mosquitoes and other listed flying insects
- Stable in solution
- Formulated for stability in misting systems
- Will not harm most common ornamental plants
- Remains stable in solution
- No agitation needed after mixing
- For use in and around Livestock and Poultry Barns
- Spray when animals are present

[Efficacy Claims:]

- Kills Mosquitoes
- Kills Mosquitoes that may transmit Chikungunya virus
- Kills mosquitoes that may transmit West Nile virus

- Kill mosquitoes that may transmit Zika virus.
- Kills Aedes mosquitoes.
- Kills mosquitoes, including the Aedes mosquito that may carry and transmit Zika virus.
- Kills Horse Flies
- Kills Deer Flies
- Kills Horn Flies and Face Flies
- Kills Stable Flies
- Kills midges and gnats
- Quick Kill of Mosquitoes
- Effectively kills: House flies, Stable flies, Fruit flies, Black flies, Horn flies, Mosquitoes, Gnats, Non-biting Midges, Face flies, Horse flies, Deer Flies
- Provides Knockdown and Kill of listed insects
- Ideal for hard to kill Flies such as Stable flies, Black flies, Horn flies, Face Flies, Horse flies and Deer flies
- Kills Mosquitoes, Gnats and Flies
- Quick Knockdown and Effective Kill of Mosquitoes
- Knockdown and Kill of listed insects
- Knockdown and Kill of listed flying insects
- Polymeric surfactant System—a formulation that allows convenient and stable dilution with water.
- Provides Quick Knockdown and Kill of Mosquitoes
- Fast Acting against mosquitoes
- Quick Knockdown of Mosquitoes

ACTIVE INGREDIENTS:

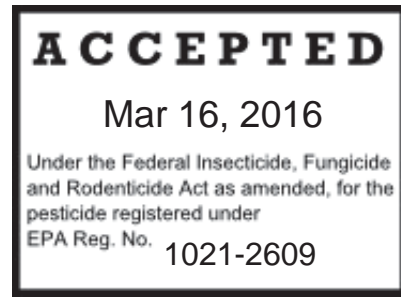
Pyrethrins, a botanical insecticide.....	2.75%
*Piperonyl Butoxide	27.50%
**Permethrin.....	6.25%

OTHER INGREDIENTS:.....	63.50%
TOTAL:.....	100.00%

*(butylcarbityl)(6-propylpiperonyl) ether and related compounds

**cis/trans ratio: Max. 65% (+/-) trans and min. 35% (+/-) cis

Troika[®], MGK[®] - Registered trademarks of McLaughlin Gormley King Company



KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUCIÓN

PRECAUCIÓN AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta haya sido explicado ampliamente. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">▪ Call a poison control center or doctor immediately for treatment advice.▪ Have person sip a glass of water if able to swallow.▪ Do not induce vomiting unless told to do so by the poison control center or doctor.▪ Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">▪ Take off contaminated clothing.▪ Rinse skin immediately with plenty of water for 15-20 minutes.▪ Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call 1-888-740-8712.	

Manufactured by

8810 Tenth Avenue North
Minneapolis, MN 55427

EPA Reg. No. 1021-2609

EPA Est. No. 1021-MN-2

Net Contents: _____

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- long-sleeved shirt,
- long pants,
- shoes and socks,
- chemical-resistant gloves.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic organisms, including fish and invertebrates. 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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. This product has the potential to contaminate water through runoff, and has the potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

This product is highly toxic to bees and other pollinating insects 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 or other pollinating insects are foraging in the treatment area.

To kill the following Insects:

Clover Mites
Crane Flies
Crickets
Darkling Beetles
Earwigs
Face Flies
Fannia Flies

Fruit Flies
Fungus Grain Moths
Gnats
Horn Flies
House Flies
Mosquitoes
Moths

Non-biting Midges
Phorid Flies
Spiders (excluding Black Widow and Brown Recluse)
Stable Flies

DIRECTIONS FOR USE

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

USE RESTRICTIONS:

Apply this product only as specified on this label.

Entry Restrictions:

- For surface spray use, do not enter or allow others to enter until sprays have dried.
- For space spray use, except when applying the product with an outdoor residential misting system, do not enter or allow others to enter until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.

Application Restrictions:

- Do not apply using a high-pressure hand wand, handheld fogger or fog/mist generator in indoor spaces.
- Do not apply when food, feed, and/or water is present.
- Do not apply directly to animals.
- This product is not for use as a wide-area mosquito adulticide.
- Except when applying the product with an outdoor residential misting system, do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application.
- When applying as a space spray indoors, do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- When using outdoors, do not make applications during rain.
- Do not wet plants to the point of runoff or drip.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them before use.

- Do not water the treated area to the point of runoff.
- Not for broadcast use on indoor residential surfaces.
- Not for use in metered release systems.
- Application is prohibited directly into sewers or drains or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur.
- Do not allow product to enter any drain during or after application.
- Remove pets, birds, and cover fish aquariums before spraying.

For Residential outdoor surface and space sprays:

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.
2. Applications to lawns, turf, and other vegetation, as listed on this label.
3. Applications to the side of a building, up to a maximum height of 3 feet above grade.
4. Application to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, 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 as listed on this label.

Dilution/Use Rate ([Indoor Space] [and] [or] [Outdoor Sprays]):

Dilute before using. Add 1 part to 100 parts of clean water or 1.3 fl. oz. of product per gallon of water. Mix thoroughly prior to application.

INDOOR SPACE SPRAYS:

Where to Use: Use as an indoor space spray in animal areas and quarters, dairy and livestock barns, dog kennels, horse stables and barns, poultry houses, research animal quarters, swine houses and zoo animal quarters, to kill listed insects.

DIRECTIONS FOR USE IN COMMERCIAL ANIMAL PREMISE AUTOMATIC MISTING SYSTEMS:

Apply as a space spray using an automatic spray system. Refer to the system user manual for specific instructions. Adjust spray nozzles to deliver a fine mist or fog to entire treatment area.

When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed.

When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.

Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.

Direct nozzles to spray towards the target area and away from areas where people are typically present.

Do not use in an evaporative cooling system.

Do not use in misters located within 3 feet of air vents, air conditioner units or windows.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds ____parts (product name) to ____parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.000476 lbs. Pyrethrins, 0.008 lbs. Piperonyl Butoxide per 1000 cu. ft. per day and 0.00036 lbs. of Permethrin per 1000 cu. ft. per day. This is equivalent to 8 fl. oz. of diluted product per 1000 cu. ft. per day.

FOR ANIMAL QUARTER USE:

USE SITE	PEST	APPLICATION	RESTRICTIONS
STABLE OR HORSE BARN	Stable Flies, Horse Flies, Deer Flies, Horn Flies, House Flies, Fruit Flies, Black Flies, Face Flies, Non-biting Midges, Mosquitoes and Gnats.	Apply as a space spray in conventional ULV cold aerosol generator or fogger adjusted to deliver aerosol size droplets. Whenever possible, perform space spray application in the late evening when insects are at rest. Apply undiluted at the rate of 0.20 fluid ounces (6 ml) per 1,000 cubic feet (0.20 ml to ml/m ³) of space above the animals. This concentrate may also be diluted with water at the rate of one (1) part concentrate to 10 parts water and applied at the rate of 1-1.8 fluid ounces of diluted product per 1,000 cubic feet (1.04 ml to 1.88 ml/m ³) of space above the animals. Direct spray toward the upper portions of the enclosure, above the animals, filling the room with mist or fog. Animals may be present during application.	Do not apply more than 1 time per day. Do not apply directly to animals. Repeat application every 1 to 2 weeks or as necessary.
DAIRY AND BEEF BARN, POULTRY HOUSES, SWINE HOUSING	Clover Mites, Crickets, Earwigs, Face Flies, Flies, Horse Flies, Deer Flies, Horn Flies, Mosquitoes, Small Flying Moths, Spiders (excluding Black Widow and Brown Recluse), Stable Flies, Fannia Flies and Darkling Beetles.	Apply as a space spray in conventional ULV cold aerosol generator or fogger adjusted to deliver aerosol size droplets. Whenever possible, perform space spray application in the late evening when insects are at rest. Apply undiluted at the rate of 0.20 fluid ounces (6 ml) per 1,000 cubic feet (0.20 ml/m ³) of space above the animals. This concentrate may also be diluted with water at the rate of one (1) part concentrate to 10 parts water and applied at the rate of 1-1.88 fluid ounces of diluted product per 1,000 cubic feet (1.04 ml to 1.88 ml/m ³) of space above the animals. Direct spray toward the upper portions of the enclosure, above the animals, filling the room with mist or fog. Animals may be present during application.	Do not treat manure or litter. Do not apply directly to livestock or poultry. Do not apply more than 1 time per day. Remove or cover milking utensils before application. Wash teats of animals before milking. When used in dairy barns or facilities: close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Repeat application every 1 to 2 weeks or as necessary.

OUTDOOR SPRAYS:

Where to Use: Use as an outdoor area spray for temporary reduction of listed insects on and around homes, patios, tennis courts, pool areas, beach houses and lawn areas.

Directions for Use with Handheld Sprayers:

When used in handheld sprayers, add 1.3 fl. oz. of product per gallon of water. Apply at the rate of 1 gallon of diluted product per 1,000 square feet of area. Use only equipment that produces coarse, non-ULV sprays for residual treatment of vegetation or other surfaces.

Directions for Use in Outdoor Residential Misting Systems:

NOTE: Not registered for use in Residential Automatic Mosquito Misting Systems in the State of New York.

Apply as an area spray using an automatic spray system. Adjust nozzles to deliver a fine mist to the entire treatment area.

When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.

If the system works on an automatic timer, set the timing for application when people, pets and food are unlikely to be present.

If the system works when a person operates a remote activation device, then application of this pesticide when people, pets and food are present is prohibited.

Do not use in an evaporative cooling system.

Direct nozzles to spray towards the target area and away from swimming pools, water bodies or eating and cooking areas.

Do not set nozzles to direct mist near outside air conditioning systems or other home air intakes.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds ____parts (product name) to ____ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement:

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.00011 lbs. Pyrethrins, 0.00058 lbs. Piperonyl Butoxide and 0.00055 lbs. of Permethrin per 1000 cu. ft. per day. This represents 3.6 fl. oz. of diluted product per 1000 cu. ft. per day.

OUTDOOR RESIDENTIAL MISTING SYSTEM DILUTION TABLE:

When filling the tank, partially fill the system reservoir tank with water, add concentrate to tank then add water to obtain desired dilution.

System Tank size (in gallons)	Fluid ounces of concentrate for system tank sizes mixed with water will achieve the following percent concentrations of 0.025% pyrethrin 0.250% piperonyl butoxide 0.057% permethrin
30	35 fl. oz.
55	64 fl. oz.
125	146 fl. oz.
250	292 fl. oz.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

PESTICIDE DISPOSAL:

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry.)

CONTAINER HANDLING AND DISPOSAL:

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Triple Rinse as follows [for containers of 5 gallons (18.9 L) or less]: 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 ¼ 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. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Triple Rinse as follows [for containers greater than 5 gallons (18.9L)]:

Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

[Or for Refillable Containers]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.