



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 30, 2016

Veronica Semetis Lawless  
Regulatory Affairs Specialist  
Wellmark International  
1501 E. Woodfield Road  
Suite 200W  
Schaumburg, IL 60173

Subject: Label Amendment – Correction for ingredient statement  
Product Name: ZOECON RF-322 OVICIDAL PUMP SPRAY  
EPA Registration Number: 2724-404  
Application Date: 02/08/2016  
Decision Number: 513735

Dear Ms. Lawless:

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 Elizabeth Fertich at 703-347-8560 or via email at [fertich.elizabeth@epa.gov](mailto:fertich.elizabeth@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Urbanski Saunders', with a stylized flourish at the end.

Jennifer Urbanski Saunders, Ph.D.  
Product Manager 4  
Invertebrate and Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

[ ] Indicate optional statement

## ZOECON® RF-322 OVICIDAL PUMP SPRAY

**Alternate Brand Name: ZODIAC® PreStrike™ Mosquito Repellent for Dogs**

**EFFECTIVE**

For dogs, puppies, cats, kittens, horses, ponies

[Also] Kills and Repels: [Ticks], [fleas], [lice], [flies], [mosquitoes] and [gnats]

Kills fleas before they mature into adults

Kills flea eggs

Effectively breaks the flea life cycle

Controls [Kills] [and repels] Lyme disease-carrying ticks [including *Ixodes scapularis*][including those that carry Lyme disease]

Reduces bot infestation by killing botfly eggs

Prevents botfly eggs from hatching

An effective spray mist that kills adult fleas, plus prevents eggs from developing into biting adults

No need to pump, spray in any position, even upside down

Contains PRECOR® Insect Growth Regulator, plus pyrethrins, an adulticide

Prevents [Stops] flea eggs from becoming full grown for 63 days [9 weeks][2 months][with PRECOR®[vIGRen®] Insect Growth Regulator]

One treatment works for 63 [9 weeks][2 months] days [against flea eggs][to keep flea eggs from hatching]

Keeps working to keep flea eggs from hatching for 63 days [9 weeks][2 months] with PRECOR [vIGRen] Insect Growth Regulator

[RF 9606] cosmetic-grade solvent formulation]

[Rapid action][quick acting]

[fast acting] formula kills and repels fleas and ticks [including those that carry Lyme disease]

Quickly kills [repels] [expels] adult fleas plus kills their hatching eggs for up to 63 days [9 weeks][2 months] on your dog [puppy, cat, kitten, horse, pony]

Strong flea repellent action that you can see

One [single] treatment works for 63 days [9 weeks][2 months] to keep flea eggs from hatching

Provides 63 days [9 weeks][2 months] protection against fleas

Stops flea egg development, preventing further infestations for up to 63 days [9 weeks][2 months]

[63 days][9 weeks][2 months] protection

Protects for [63 days][9 weeks][2 months]

Satisfaction 100% guaranteed

Rapidly rids your animal of pesky biting fleas and ticks for up to 63 days [9 weeks][2 months]

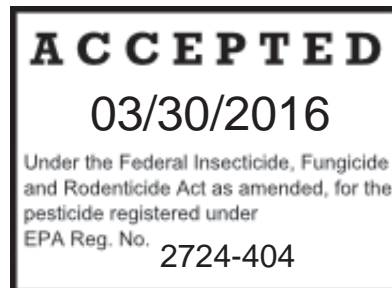
Kills fleas and ticks for up to 63 days [9 weeks][2 months] reducing itching and scratching

Pleasant [name of scent] scent

Egg stop formula

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**ACTIVE INGREDIENTS:**

(S)-Methoprene (CAS #65733-16-6) .....	0.27%
Pyrethrins (CAS #8003-34-7) .....	0.20%
Piperonyl butoxide (CAS #51-03-6) .....	0.46%
N-octyl bicycloheptene dicarboximide (CAS #113-48-4) .....	0.62%
<b>OTHER INGREDIENTS</b> .....	<u>98.45%</u>
<b>TOTAL</b> .....	100.00%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Back Panel For Additional Precautionary Statements

Net Contents: 1 pt [1 gallon]  
Lot Number:

**READ ENTIRE LABEL BEFORE EACH USE  
USE ONLY ON [DOGS, CATS, PUPPIES, KITTENS][HORSES, PONIES]  
HOW ZOECON RF-322 WORKS:**

RF-322 controls ticks, lice, mosquitoes, gnats, fleas, house flies, stable flies, horn flies, face flies, flea larvae and horse bots. Botfly eggs and flea eggs sprayed with RF-322 will not hatch into adults.

Zoecon RF-322 combines the adult flea killing power of pyrethrins with the long-lasting egg-killing power of PRECOR® [vIGRen®] Insect Growth Regulator. This highly effective combination of ingredients provides quick relief from biting fleas and continuous killing of flea eggs laid on the animal, breaking the flea life cycle. The elimination of both adult fleas and flea eggs is important because adult fleas live on your pet, causing discomfort and skin irritation, while the vast number of eggs that they lay fall off and develop in your house. [If fleas are already developing in your house then {premise product} and {yard product} should also be used.] Effective flea control requires treatment of your pets, house, and yard.

Zoecon RF-322 contains PRECOR [vIGRen] Insect Growth Regulator which effectively kills botfly eggs that have been glued to the hairs on the forelegs, shoulders, and faces of horses by adult botflies (*Gastrophilus* spp.). If left untreated, botfly larvae emerge from these eggs and are taken into the mouth of the horse. After botfly larvae are swallowed they attach to the stomach and small intestinal linings in tremendous numbers where they can remain for months before passing out in the feces. Adult botflies emerge from pupae in the soil to begin the cycle all over again. Botflies have been implicated as a cause of some stomach and intestinal conditions in horses.

**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.**

## **FOR DOGS AND CATS**

**For Fleas:** A light, even coverage of the hair coat will provide effective flea control. Do not allow spray from application or damp animal to come into contact with painted or finished surfaces, including wood floors/furniture, leather/vinyl materials, or other surfaces of concern. For best penetration [results] ruffle the coat while spraying against the natural lay of the hair. Cover animal's eyes with hand. [ICON] With a firm fast stroke, spray head, ears and chest. With cloth, rub into face around mouth, nose, and eyes. Then spray the neck, middle and hind quarters, finishing with legs and tail last. Avoid spraying rectum and genitals. Apply at the rate of 1 or 2 squeezes of the trigger sprayer [0.10 fluid ounce] per pound of body weight. For larger dogs, spray until damp, not saturated. Do not allow animals, cats in particular, to become chilled. Repeat every 2 months for continuous home flea infestation prevention. If your pet becomes reinfested with adult fleas from outside sources, [Brand Name] may be reapplied weekly.

**For Ticks:** Make sure spray thoroughly wets individual ticks.

## **FOR PUPPIES AND KITTENS**

**For Fleas:** Leaving the eyes, nose, and mouth exposed, treat puppies and kittens weighing less than 3 pounds by wrapping the animal in a towel that has been lightly sprayed with [Brand Name], for 5 to 10 minutes . Or lightly spray a brush or cotton ball and work thoroughly into the hair coat. Fleas may then be removed from the coat by picking or combing. Puppies and kittens over 3 pounds may be treated the same as dogs and cats as described above. Repeat every 2 months for continuous home flea infestation prevention. If your pet becomes reinfested with adult fleas from outside sources, [Brand Name] may be reapplied weekly. Do not allow animal to become chilled. Do Not Use On Puppies and Kittens Under 12 Weeks of Age.

## **[FOR HORSES AND PONIES**

**For Flies:** Remove excess dirt and dust by brushing coat. Apply spray directly to horse's coat giving particular attention to legs, shoulders, flanks, neck and topline. To treat face, dampen a cloth with spray and rub on face and head, being careful to avoid eyes. Repeat every 2 months for continuous fly infestation prevention. If your horse/pony becomes reinfested, [Brand Name] may be reapplied weekly. This product is not to be used on horses destined for slaughter.]

**[FOR PREVENTION OF HATCH OF HORSE BOTFLY EGGS:** Spray any infested areas directly at the first sign of visible eggs, paying particular attention to legs, shoulders, flanks, neck, and topline. Spray to the point of dampness but not to the point of run-off of the spray. For a high degree of botfly egg control, spray animals every 3-5 days during the botfly season.]

**STORAGE and DISPOSAL:** Do not contaminate water, food or feed by storage or disposal.

**Storage:** Do not store near heat or open flame. Store away from children and animals.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS -CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. May cause dermal sensitization (skin allergy).

**HAZARDS TO ANIMALS - CAUTION:** Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing, or animals on medication. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Some cats may be sensitive to products containing pyrethrins. Excessive salivation and ear and paw flicking may occur; however, these effects are temporary and not harmful. May cause dermal sensitization (skin allergy).

<b>FIRST AID</b>	
Call a poison control center or doctor immediately for treatment advice.	
If in eyes	<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 eye.</li></ul>
If on skin or clothing	<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></ul>
If swallowed	<ul style="list-style-type: none"><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
Have the product container or label with you when calling a poison control center, doctor, or veterinarian or going for treatment. You may also contact 1-800-[phone number] for emergency medical treatment information.	

[Note: First Aid statement paragraph format may be used if space is limited.]

**PHYSICAL HAZARDS:** Combustible. Do not use or store near heat or open flame.

**WARRANTY AND CONDITIONS OF SALE:** Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

Wellmark International  
Schaumburg, IL 60173

Made in USA

PreStrike™, ZODIAC®, ZOECON®, PRECOR® Insect Growth Regulator and vIGRen® Insect Growth Regulator are trademarks of Wellmark International.

For more information, [or in case of emergency (24 hrs)] call [phone number]  
In case of emergency or for product use information, call [phone number] or visit our Web site:  
[URL]