

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 28, 2011

Nasser A. Assaf, Ph.D  
Manager, Product Safety & Regulatory Affairs  
Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048

Subject: Amended Reregistration Label  
Product Name: TETRAPERM® Total Release Indoor Fogger Q5  
EPA Registration Number: 73049-171  
EPA Decision Numbers: 410276, 413053

Dear Dr. Assaf:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin and Piperonyl Butoxide REDs, and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

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 non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

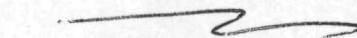
- Basic CSF, dated 26 February, 2010

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped

after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Clayton Myers at 703-347-8874 or [myers.clayton@epa.gov](mailto:myers.clayton@epa.gov).

Sincerely,



Richard J. Gebken  
Product Manager  
Insecticide Branch

Registration Division (7505P)

Enclosures:    *Label stamped "Accepted," dated September 28, 2011*  
                  *Acute Toxicity Review, dated June 22, 2010*  
                  *Product Chemistry Review, dated August 11, 2010*

# TETRAPERM®

## TOTAL RELEASE INDOOR FOGGER Q5

- *[Contains Synergized Permethrin And Tetramethrin]*
- *Economical Do-It-Yourself Pest Control*
- *Seeks Out Bugs Where They Hide*
- *Kills On Contact; Kills Hidden Bugs*
- *For Use In Apartments, Attics, Basements, Boats, Boxcars, Cabins, Campers, Garages, Homes, Household Storage Areas, Kennels, Pet Sleeping Areas, Rooms, Ship Cabins, Trucks, Washrooms And Non-Food/Feed Areas Of Closed Barns, Day Camps, Greenhouses (Non-Commercial), Horse Stables, Hospitals, Hotels, Industrial Plants, Lathhouses, Motels, Preschools, Seedhouses, Theaters And Warehouses*
- *Non-Staining; No Oily Residues*
- *Water-Based Formula*
- *Kills Exposed Or Accessible Stages Of These Insects: Ants, Booklice, Carpet Beetles, Centipedes, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Fleas (Adults And Larvae), Flies, Fruit Flies, Gnats, Grasshoppers, Hornets, Houseflies, Midges, Millipedes, Mole Crickets, Mosquitoes, Palmetto Bugs, Pillbugs, Rice Weevils, Saw-Toothed Grain Beetles, Scorpions, Silverfish, Small Flying Moths, Sowbugs, Spiders, Stable Flies, Ticks, Wasps, Waterbugs And Yellow Jackets]*

*{The entire label is printed in Spanish language [inside/outside the box][on peel out booklet] [or insert]}.*

### ACTIVE INGREDIENTS:

Tetramethrin .....	0.20%
Permethrin* .....	0.50%
Piperonyl Butoxide** .....	1.00%
OTHER INGREDIENTS: .....	98.30%
	100.00%

\*Cis/trans ratio: Max. 55% (+/-) cis and Min. 45% (+/-) trans.

\*\* (butyl carbityl)(6-propylpiperonyl) ether and related compounds.

**ACCEPTED**

**SEP 28 2011**

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

**EPA. Reg. No. 73049-171**

**PRECAUCION AL CONSUMIDOR:** Si usted no lee Ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

**EPA Reg. No. 73049-171**

**Est. No.**

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

**See Side/Back Panel For Additional Precautions**

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>
HOT LINE NUMBER	
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 product (including health concerns, medical emergencies or pesticide incidents), you may call 1-877-315-9819.	

**NET CONTENTS:**



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## PRECAUTIONARY STATEMENTS

### Hazards To Humans & Domestic Animals

#### CAUTION

Avoid contact with skin or clothing. Breathing spray mist may be harmful. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### *[Additional text required for professional use products]*

##### **[PERSONAL PROTECTIVE EQUIPMENT (PPE)]**

*Applicators and other handlers, must wear:*

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical resistant gloves made of barrier laminate, viton, neoprene rubber or nitrile rubber

*Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this 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 and after handling this product. Wash the outside of gloves before removing. Then wash thoroughly and put on clean clothing.]

### Physical or Chemical Hazards

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on this label very carefully.

Highly Flammable Ingredient  
Ingrediente Altamente Inflamable



### DIRECTIONS FOR USE

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

#### Use Restrictions

- Do not remain in treated area. Exit area immediately and do not re-enter or allow adults, children, or pets to enter until vapors, and/or mist have dispersed and the treated area has been thoroughly ventilated.
- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.
- Wait two (2) hours after application, then open windows, vents and doors for two (2) hours. There should be no remaining trace of pesticide fog or aerosol. If an odor is still detected, continue ventilating until no remaining trace or odor of pesticide remains.
- In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use.
- Remove or cover exposed food and drinking water before application.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- Do not use in greenhouses where plants are grown for food.

**[ Alternate "Use Restrictions" for - Professional Use Labeling:]**

- [Do not remain in treated area. Exit area immediately and do not re-enter or allow adults, children, or pets to enter until vapors, and/or mist have dispersed and the treated area has been thoroughly ventilated.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Wait two (2) hours after application, then open windows, vents and doors for two (2) hours. There should be no remaining trace of pesticide fog or aerosol. If an odor is still detected, continue ventilating until no remaining trace or odor of pesticide remains.
- Do not apply when food is present.
- Do not use in food areas of food handling establishments, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served, such as dining forms, but excluding areas where foods may be prepared or held.
- May be applied in non-food/feed areas. Non-food/feed establishment areas are areas such as garbage rooms, lavatories, entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after canning or bottling).
- Do not use in aircraft cabins.
- Do not use in greenhouses where plants are grown for food.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- Remove poultry before treating poultry houses.
- When used in dairy barns or facilities: Close milk bulk tanks lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before applications. Wash teats of animals before milking.]

[One 2 ounce aerosol can treats up to 2,000 cubic feet of unobstructed area (a room 10= x 25= with an 8 foot ceiling). ]

[To calculate cubic feet, multiply height x width x length.]

*{Size of container, cubic feet and room size may be adjusted as long as the use rate remains 1 ounce per 1,000 cubic feet of space.}*

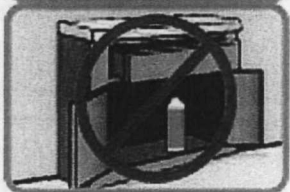
[For **Fleas** and **Ticks**, use one [2 ounce can for every 2,000 cubic feet of room space] [Also treat your yard with a product registered for yard application.]

**Does not control bed bugs.**

**HOW TO USE:**



{graphic size  
2.25 cm x 3.5  
cm minimum}



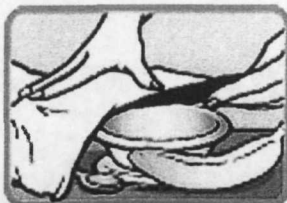
{graphic size  
2.25 cm x 3.5  
cm minimum}

**To use this product correctly:**

DO NOT use multiple canisters in a room.

DO NOT use in small, enclosed spaces such as closets, cabinets or under counters or tables. Use of a fogger in an enclosed space may cause the product to explode, resulting in injury to people or damage to property. Do not use in a room 5 ft. x 5 ft. or smaller; instead, allow fog to enter from other rooms.





{graphic size  
2.25 cm x 3.5  
cm minimum}

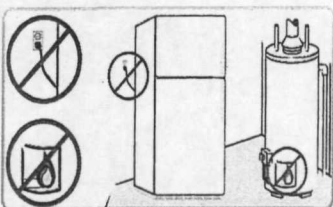


{graphic size  
2.25 cm x 3.5  
cm minimum}

#### [Step 1:] BEFORE YOU FOG:

REMOVE or cover exposed foods, dishes, utensils, food processing equipment and surfaces. OPEN cabinets, cupboards, trunks, drawers, closets and doors in area to be treated to allow maximum kill in all areas where insects can hide and breed. Cover waxed wood floors, waxed furniture and other plastic surfaces near the fogger (newspaper may be used). CLOSE outside doors and windows to maximize killing power of fog. Cover or remove plants. SHUT OFF fans and air conditioners.

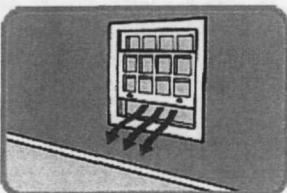
Turn off ALL ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on (i.e., refrigerators, thermostats, etc). Call your gas utility or management company if you need assistance.



{graphic size  
2.25 cm x 4 cm  
minimum}

#### [Step 2:] TO START FOGGING:

SHAKE WELL JUST BEFORE USING. Do not place on water stainable surface. Place a chair or table in the center of area to be fogged approximately 2 ft above the floor. Cover with several layers of newspaper or paper towels. Tilt can opening AWAY from face and depress tab firmly with thumb until it clicks in locked position. Set fogger on newspaper. **Vacate the treated house, individual apartment unit, or other structure immediately. Do not re-enter for 2 hours.** [Fill out and place hang-tag on the door to the treated area to alert family and others with access to the treated area not to enter for 2 hours.]



{graphic size  
2.25 cm x 3.5  
cm minimum}

#### [Step 3:] AIRING OUT:

Before reoccupying the area, open all doors and windows and allow treated area to air for two (2) hours.

Repeat spraying in two weeks if necessary.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Do not store near heat or open flame. Store in cool dry area away from children.

**Pesticide Disposal and Container Handling:** Do Not Puncture or Incinerate! **If empty:** Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency for disposal instructions.

### 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.

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 Valent BioSciences Corporation. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALENT BIOSCIENCES CORPORATION 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 Valent BioSciences Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties

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contained herein. To the extent consistent with applicable law, Valent BioSciences Corporation 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 VALENT BIOSCIENCES CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

[Or alternate text

Note [Notice]: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, seller shall have no liability for consequential damages.]

OR

[Guaranteed to work or your money back]

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TetraPerm is a registered trademark of Valent BioSciences Corporation.

**Valent BioSciences Corporation**  
**Environmental Science Division**  
870 Technology Way  
Libertyville, IL 60048

### {TEXT ON DOOR KNOB HAND TAG}

[Attention:] [Notice:] Fogger In Use

[Area has been treated with [TETRAPERM® TOTAL RELEASE INDOOR FOGGER Q5] Fogger.]

Note to User: Fill out and place hang-tag on the door to the treated area to alert family and others with access to the treated area not to enter for 2 hours.

[Do not enter [re-enter] treated [house] [apartment] [premises] until \_\_\_\_\_ AM/PM on \_\_\_\_\_ date]

[Do not return to [enter] treated premises for 2 hours [until 2 hours have expired \_\_\_\_\_ AM/PM \_\_\_\_\_ [day]]

[Air out the room] [Wait 2 hours after application, then open windows, vents and doors if an odor is still detectable.]

Area may begin airing out at: \_\_\_\_\_ on \_\_\_\_\_  
(time-2 hours after activation) (date)

Area may be re-entered after airing out time: \_\_\_\_\_ on \_\_\_\_\_  
(2 hours minimum)

[cut here [scissors illustration] and hang on your door]



**{Text on Can}****TETRAPERM® TOTAL RELEASE INDOOR FOGGER Q5****ACTIVE INGREDIENTS:**

Tetramethrin .....	0.20%
Permethrin* .....	0.50%
Piperonyl Butoxide** .....	1.00%
<b>OTHER INGREDIENTS:</b> .....	98.30%
	100.00%

\*Cis/trans ratio: Max. 55% (+/-) cis and Min. 45% (+/-) trans.

\*\* (butyl carbityl)(6-propylpiperonyl) ether and related compounds.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See back panel [insert inside cap] [insert inside box] [hang tag] [outside/inside box [carton] [peel out booklet] for complete directions for use, precautionary statements and first aid

[Available in English and Spanish]

[The entire label is [available] printed in Spanish [language] [inside the box] [on insert [found] [located] [inside cap] [inside box] [on hang tag] [on peel out booklet]

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Do not store near heat or open flame. Store in cool dry area away from children.

**Pesticide Disposal and Container Handling:** Do Not Puncture or Incinerate! **If empty:** Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency for disposal instructions.

**PRECAUTIONARY STATEMENTS  
Hazards To Humans & Domestic Animals****CAUTION**

Avoid contact with skin or clothing. Breathing spray mist may be harmful. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**FIRST AID****If on Skin or  
Clothing:**

- 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.

**HOT LINE NUMBER**

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 product (including health concerns, medical emergencies or pesticide incidents), you may call 1-877-315-9819.

**Physical or Chemical Hazards**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on this label carefully.

Highly Flammable Ingredient  
Ingrediente Altamente Inflamable





Valent BioSciences Corporation  
Environmental Science Division  
870 Technology Way  
Libertyville, IL 60048

EPA Reg. No: 73049-171  
EPA Est. No:

**NET CONTENTS:**

[Questions? Comments? See code on the bottom of can then call (xxx) xxx-xxxx or E-mail xxx@xxx.com]

*{Additional information from the stamped accepted label may be provided on the can as space allows.}*

[ ] denote alternate text in addition to any subset of the directions for use