

73049-414

03/05/2009

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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

March 5, 2009

Mr. Nasser Assaf, Ph.D.,  
Regulatory Manager, ESD  
Valent BioSciences Corporation  
870 Technology Way  
Libertyville, IL 60048-5350

**Subject: Amended Labeling, Addition of Selected Pests & Updates per PR Notice 2007-4  
Pyrenone® 30-3 Insecticide, EPA Reg. No. 73049-414  
Your Submission Dated October 8, 2008**

Dear Mr. Assaf:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following provision(s):

Optional Marketing Statements section comment(s):

1. Delete the optional marketing statements and other words marked with "~~strikethrough~~," since these statements detract from the Directions for Use.
2. In the 9<sup>th</sup> optional marketing statement, insert the word "Listed" immediately preceding the word "Insects."
3. In the 11<sup>th</sup> optional marketing statement, insert the word "Listed" immediately preceding the word "Crawling."
4. In the 21<sup>st</sup> optional marketing statement, you must specify which type(s) of encephalitis is(are) to be included on this label, since all types of encephalitis do not occur within the continental United States and/or its territories. In addition, delete Yellow Fever and Malaria, since these insect-borne diseases do not occur within the continental United States and/or its territories.
5. In the 22<sup>nd</sup> optional marketing statement, replace the word "Pyrethrum" with the word "Pyrethrins."

Efficacy Review comment(s):

6. The submitted product performance (efficacy) data demonstrate the intrinsic toxicity of the chemical; however, they do not support the claims for the public health pests on the proposed label for the following reasons:
  - a. The Directions for Use imply residual control. The submitted data only demonstrate "arthropod kill."
  - b. The Directions for Use for some of these pests state to spray into hiding places such as cracks and crevices, along floorboards, into voids/channels in wood, pet bedding, etc.; however, the design of this study was a direct spray to the arthropod.

Efficacy Review comment(s), continued:

- c. It cannot be determined from the design of this study if the dose rates and amounts of product applied reflect the product application rates. The study design involved 1 to 6 pump sprays directly to the arthropod. There was no explanation in the report as to how it was determined whether to administer one pump, two pumps, three pumps, or six pumps. For example, on page 12 of the report it says "It was decided by the sponsor to increase the dose rate to 0.05% w/w pyrethrins applied at 6 grams per replicate to more accurately reflect typical crawling insect killer ready-to-use and consumer application rates." Why was 6 grams chosen over 1 gram, and how does this translate to the Directions for Use on the label?
- d. It is unclear as to how this rate translates to certain label directions for fly, wasp, mosquito and hornet control, e.g., apply 4.3 ounces/gallon applied at 750 ft<sup>2</sup> of surface, 1 ounce per 1,000 ft<sup>3</sup> of space, etc.
- e. In these tests, the arthropods were directly sprayed, but not to the point of run-off. It is unclear what is meant by run-off, since the product was applied to an enclosed container. What would it be running off from?
- f. The arthropods were sprayed either from a distance of 4 to 6 inches or from a distance of 6 to 8 inches. There is no explanation in the report as to how it was determined when to spray the arthropod from the closer distance or further distance.
- g. Control mortality was too high for some of the arthropods tested such as pavement ant, Culex, stable flies, house fly, fire ant and black fly.
- h. There is confusion regarding reporting of mortality observations. In the raw data reports, the heading is "% Mortality." On page 12 of the report, it says "...extended data collection through 24-hours was conducted to evaluate "recovery" of test arthropods..." Were the mortality observations actually observations of knockdown, with mortality observations at 24 hours?
- i. Too few arthropods were tested for the Brown recluse, Black widow and Hobo spiders, scorpions and centipedes (5 each).
- j. For termites and carpenter ants, field data are required to support Directions for Use in voids/channels in damaged wood. In addition, the wording "For active infestations..." makes no sense since the sentence above says "to kill termites and carpenter ants..."
- k. For wasp and yellow jackets, the Directions for Use imply application to the nest (e.g., breeding places). Field data (product application to nests at proposed application rate of 1 fluid ounce in 1 gallon water) are required.
- l. For bedbugs, the data were not included in the report and the raw data report could not be located. Bed bugs are listed on page 15 of the report; however, they are not listed in the table on page 105 of the report.
- m. For fire ants, there are no Directions for Use on the label. The only permitted claim would be "foraging fire ants."
- n. For pharaoh ants, there are no Directions for Use on the label. The only permitted claim would be "foraging pharaoh fire ants."

Efficacy Review comment(s), continued:

- o. Claims for mosquitoes that may carry "yellow fever" or "malaria" are objectionable.
- 7. The only claims that are permitted with laboratory tests are "kill claims." Pesticide product labels cannot bear both "kills" and "controls" claims, since they are both contradictory and confusing to the consumer. The consumer does not know the difference between "controls" bed bugs and "kills bedbugs."
- 8. For arthropod "kill" products, EPA requires the following label language: "Will only kill pest present at the time of application. Pest must be directly contacted with the product in order to be effective. Contact as many pests as possible."

Ingredient Statement section comment(s):

- 9. Revise the listing for "Piperonyl Butoxide\*" to read: "Piperonyl Butoxide, Technical\*"

Directions for Use, **INDOORS AS A SURFACE SPRAY** subsection comment(s):

- 10. Replace all 3 instances of the word "CONTROL" with the word "KILL."

Directions for Use, **INDOORS AS A SPACE SPRAY** subsection comment(s):

- 11. Replace the beginning of the 4<sup>th</sup> sentence with: "For rapid control of exposed stages of Adult House Flies,..."

Directions for Use, **OUTDOORS** subsection comment(s):

- 12. Revise the statement "**TO KILL Wasps and Yellow Jackets:**" to read: "**TO KILL Adult Wasps and Yellow Jackets:**"
- 13. Revise the statement "**TO KILL Termites and Carpenter Ants:**" to read: "**TO KILL Exposed Termites and Carpenter Ants:**"
- 14. Revise the statement "ON HORSES, DAIRY AND BEEF CATTLE: To control *Horn Flies*,..." to read: "ON HORSES, DAIRY AND BEEF CATTLE: To kill *Horn Flies*,..."
- 15. Revise the statement "TO CONTROL *Stable Flies*,..." to read: "TO KILL *Stable Flies*,..."
- 16. Revise the statement "FOR USE IN OVERHEAD AUTOMATIC INSECT CONTROL SYSTEMS to control *Houseflies*,..." to read: "FOR USE IN OVERHEAD AUTOMATIC INSECT CONTROL SYSTEMS to kill exposed stages of *Houseflies*,..."

Storage and Disposal Statement section comment(s):

- 17. To facilitate inclusion of language from PR Notice 2007-4, in the section entitled "**CONTAINERS LARGER THAN ONE GALLON:**," you must replace the subsection "**Container Disposal:**" with: "**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Triple rinse, or equivalent, promptly after emptying. Triple rinse as follows: 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 1/4 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State or local authorities."

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Storage and Disposal Statement section comment(s), continued:

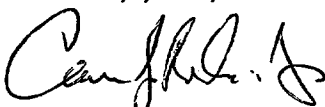

18. In the section entitled "CONTAINERS ONE GALLON AND SMALLER," you must: revise the subsection title "**Storage:**" to read "**Pesticide Storage:**" and replace the "**Disposal:**" subsection with: "**Container Disposal: If empty:** Nonrefillable container. Do not reuse or refill this container. Offer 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."

Valent BioSciences Corporation should note that a notice of availability of EPA's RED for products containing pyrethrins was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42387-42389). In addition, EPA's RED for products containing piperonyl butoxide was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42385-42386). As a result, additional data and/or labeling changes may be required for products containing pyrethrins and/or piperonyl butoxide.

Copies of your label stamped "Accepted with Comments" as well as the efficacy review completed for this product are enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,

  
For 

Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7505P)

**Enclosures:**    *Copy of label stamped "Accepted with Comments"*  
                      *Copy of Efficacy Review, dated February 26, 2009*

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## Pyrenone® 30-3 Insecticide

- *[An Insecticide Spray Concentrate*
- *For Use In Food Processing And Storage, Hospitals, Hotels, Motels, Restaurants, Other Institutions And In Residences*
- *Also For Use In Automatic Insect Control Systems*
- ~~*Provides Rapid Kill Of Insects Without Leaving Objectionable Residues*~~
- ~~*Food Additive Tolerances Have Been Established For The Insecticide Components In This Product. When This Product Is Used As Directed, Allowable Tolerance Levels Will Not Be Exceeded*~~
- *Kills Gypsy Moth Caterpillars And Japanese Beetles*
- *Contains Pyrethrins, A Botanical Insecticide*
- *Contains Pyrethrins Combined With Piperonyl Butoxide To Give Rapid (Flush-Out And) Knockdown*
- *Pyrethrins Rapidly (~~Expels~~) (Flushes Out) And Knocks Down Bugs (Roaches) (Insects) From Cracks & Crevices (Their Hiding Places)*
- *Pyrethrins Insecticide Is Made From Chrysanthemum Flowers*
- ~~*Specially Formulated (Designed) To (Provide Fast And Effective) Kill Of Crawling And Flying Insects (Pests)*~~
- *Fast Knockdown Formula*
- *Kills Fleas-Roaches-Ants-Spiders-Ticks*
- *Kills Ticks (Including Lone Star Ticks, Deer Ticks, Black Legged Ticks)*
- *Kills Ticks (Including Ticks Which May Carry Lyme Disease)*
- *Kills On Contact*
- *Kills Fast*
- ~~*Kills Hidden Bugs*~~
- *Kills Cockroaches [(Including American cockroach, Oriental cockroach, and German cockroach)], fleas, scorpions, termites, ticks, bedbugs, Spiders (Including black widow, brown (recluse or violin), hobo and funnel web), Ants (Including Pharaoh, carpenter, fire ant), Flies, Mosquitoes, Wasps and Yellow Jackets.*
- *Kills bedbugs*
- *Kills Mosquitoes that may carry West Nile Virus, Encephalitis, yellow fever and malaria*
- *Contains Valent BioSciences Butacide® Brand Of Piperonyl Butoxide And Pyrenone® Brand Of Pyrethrum]*

### ACTIVE INGREDIENTS:

Pyrethrins .....	3.0%
Piperonyl Butoxide* .....	30.0%
OTHER INGREDIENTS** .....	67.0%
	100.0%

\*Equivalent to min. 24.0% (butylcarbityl)(6-propylpiperonyl) ether and 6.0% related compounds.

\*\*Contains petroleum distillates.

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado 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.: 73049-414

EPA Est. No.:

### KEEP OUT OF REACH OF CHILDREN WARNING

See Side Panel for Additional Precautions and First Aid

### NET CONTENTS:

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
*March 5, 2009*  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:  
73049-414

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FIRST AID	
<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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<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 Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further 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. In case of medical emergencies or health and safety inquiries, or in case of fire, leaking or damaged containers, information may be obtained by calling 1-877-315-9819.	
NOTE TO PHYSICIAN	
Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

### PRECAUTIONARY STATEMENTS

#### Hazards To Humans & Domestic Animals

#### WARNING

Concentrate causes substantial but temporary eye injury. Do not get in eyes or on clothing. When handling concentrate, wear goggles or face shield. Harmful if swallowed. Do not breathe spray mist. Wear a NIOSH approved respirator with any R, P or HE filter to give adequate protection against this material. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### Environmental Hazards

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

#### Physical or Chemical Hazards

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

Remove pets and cover fish aquaria before application. Prevent re-entry of dogs and cats into treated areas until spray deposits have dried.

→ For use in and around ~~(but not limited to)~~ Animal areas & quarters, animal shelters, animal control centers, apartments, arcades, attics, auditoriums, bakeries, beverage plants, bars, basements, bathrooms, boats, bottling plants, breweries, brewery warehouses, buildings, buses, cabins, cabinets, cafeterias, campers, canneries, churches, city missions, circus tents, closets, club houses, commercial buildings, communication centers, condominiums, concession stands, court houses, crawl spaces, crematoriums, day care centers, delicatessens, department stores, diners, dog houses, drug stores, dumpsters, dwellings, egg processing plants, factories, freight containers, fruit packing sheds, funeral parlors, garbage bins, garbage cans, garbage compactors, garbage trucks, gas stations, grain elevators, grain harvesting & handling equipment, garages, grain mills, granaries, grocery stores, homes, horse stables & barns, horse trailers, hospices, hospitals, hotels, indoor eating establishments,

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industrial installations, institutional dining areas, institutions, jails, kennels, laboratories, Laundromats, lavatories, libraries, liquor stores, locker rooms, marinas, mausoleums, meat packing plants, mess halls, mini-storages, mobile canteens, mobile homes, morgues, mortuaries, motels, movie theaters, museums, nursing homes, office building, other public buildings, parking garages, pool halls, prisons, private residences, public storage, railroad cars, recreational vehicles, research animal quarters, restaurants, retail stores, rice mills, schools, ships, ship holds, smoke shops, sports stadiums, stables, storage bins (areas), stored food in multi-walled paper or cloth bags, stores, supermarkets, taverns, textile mills & warehouses, theaters, tobacco factories, tobacco warehouses, tool sheds, trains, transportation equipment, trucks, truck trailers, tunnels, utilities, utility rooms, false ceilings vending machines, veterinary hospitals, wall & equipment voids, warehouses, washrooms, wholesale stores, wine cellars, wineries and zoos.

To prepare dilutions, agitate or stir the concentrate well. Add the required amount of concentrate to water and blend thoroughly. This will produce a stable micro-emulsion.

For maximum effectiveness, a combination of localized surface application and space treatment is recommended.

### INDOORS

AS A SURFACE SPRAY: For initial clean-up of severe insect infestation, dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). This dilution may not be used in edible product areas of federally inspected meat and poultry plants. In these plants and for normal infestations, dilute 1 part concentrate in 29 parts water (4.3 ounces per gallon).

- ➔ TO ~~CONTROL~~ *Cockroaches, Ants, Silverfish, Spiders, Crickets, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust Red Flour Beetles, Saw-Toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Caddisflies*: Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.
- ➔ TO ~~CONTROL~~ *Carpet Beetles*: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving.
- ➔ TO ~~CONTROL~~ *Fleas and Brown Dog Ticks*: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and localized areas of floor and floor coverings. Place fresh bedding in animal quarters following treatment. Do not apply this product directly to pets. For best results, also treat dogs and cats with a flea and tick product labeled for use on dogs and cats.

TO KILL *Bedbugs*: Dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). Remove linens and wash before reuse. Lightly spray mattresses, especially tufts, folds and edges. Apply to the interior of the frame. Allow to dry before remaking bed.

AS A SPACE SPRAY: Dilute at a rate of 1 part concentrate to 59 parts water (2 fluid ounces per gallon). Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. For rapid control of *Adult House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Angoumois Grain Moths, Mediterranean Flour Moths, Indianmeal Moths* and *Tobacco Moths*, direct the spray at an upward angle distributing uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Ventilate and sweep up dead insects before reoccupying. For rapid kill of exposed or accessible stages of other insects named on this label, dilute 1 part concentrate in 5-29 parts water (4 to 25 ounces per gallon). Apply using conventional, mechanical or compressed air equipment (non-thermal), following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 ounces per 1000 cubic feet of space. When used in meat and poultry processing plants, a dilution of no less than 1 to 5 is acceptable and it must be dispersed from equipment adjusted to deliver an aerosol spray (no droplets over 5 microns in diameter and 80% less than 30 microns).

Do not apply as a space spray while food processing is under way. Except in federally inspected meat and poultry plants, when applied as a surface spray with care and in accordance with the directions and precautions given above, food processing operations may continue. Do not apply at any time as an undiluted space spray in edible product areas of federally inspected meat and poultry plants. Cover or remove foods before treatments. Thoroughly wash all food processing surfaces before reuse. All surfaces in processing areas must be washed with an effective cleaning compound followed by a potable water rinse after spraying. In the home, cover or remove food processing surfaces or thoroughly wash before reuse. Cover or remove exposed food.

## OUTDOORS

TO KILL *Gypsy Moth Caterpillars* and *Adults, Adult Japanese Beetles* and *Eastern and Forest Tent Caterpillars* on contact: Combine 1.0 fluid ounce of concentrate per 1 gallon of water. Apply to insure thorough coverage of upper and lower leaf surfaces.

ON TREES AND SHRUBS: Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

ON ROSES AND IN FLOWER GARDENS: Treat plants and flowers as soon as insects appear. Spray plants and flowers, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

TO KILL *Wasps and Yellow Jackets*: Dilute 1.0 fluid ounce of concentrate per gallon of water. Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible.

TO KILL *Termites and Carpenter Ants*: (localized only). Dilute 1.0 fluid ounce of concentrate per gallon of water. Apply to voids or channels in damaged wood of a structure, or to cracks, crevices and spaces in and between wooden portions of a structure or between wood and the foundation, in locations vulnerable to attack such as crawl spaces. Retreat if needed but not more than once per week.

For *Termites*, the purpose of such applications is to kill workers or winged forms, which may be present in the treated areas at the time of application. Not recommended as sole protection against termites. For active infestations, get a professional inspection. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but are merely a supplement. For active termite infestation, contact a professional pest control operator in your area.

➔ ON HORSES, DAIRY AND BEEF CATTLE: To ~~control~~ *Horn Flies, Houseflies, Mosquitoes* and *Gnats*, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

➔ TO ~~CONTROL~~ *Stable Flies, Horse Flies* and *Deer Flies*, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

➔ FOR USE IN OVERHEAD AUTOMATIC INSECT CONTROL SYSTEMS to ~~control~~ *Houseflies, Horse Flies, Stable Flies, Deer Flies, Ants, Roaches, Fleas, Ticks, Gnats* and *Mosquitoes*, depending on the severity of infestation, treat with 0.1, 0.075, 0.067 or 0.05% pyrethrins by diluting with clean water as follows:

0.1%	1 part concentrate to 29 parts water.
0.075%	1 part concentrate to 39 parts water.
0.067%	1 part concentrate to 44 parts water
0.05%	1 part concentrate to 59 parts water

Mix well and set nozzles to deliver 1 ounce liquid per minute or 0.5 ounce per 30 seconds. Locate nozzles to cover a maximum of 2000 cubic feet of space. Set timer to operate 2 to 6 one-minute [4-12 30-second] cycles per 24 hour period depending on the severity of infestation.

Do not use these systems in nurseries or rooms where infants, the ill or aged persons are confined.

Do not install directly above or within 12 feet of any food handling or food dispensing area. Metering devices must be timed not to dispense while food processing is underway. Foods must be removed or covered during treatment. All food processing surfaces must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using.

Do not install within 3 feet of air ducts.

Do not use in public places while customers or workers are present. Timers must be set to dispense only during non-business hours.



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Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance.

#### STORAGE AND DISPOSAL

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

##### CONTAINERS LARGER THAN ONE GALLON

**Pesticide Storage and Spill Procedures:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

##### CONTAINERS ONE GALLON AND SMALLER:

**Storage:** Store in original container in a cool, dry area inaccessible to children and pets.

**Disposal:** Non-refillable container. *If empty:* Do not reuse or refill this container. 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.

#### 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 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.

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Pyrenone is a registered trademark of Bayer AG.

**Valent BioSciences Corporation**

**Environmental Science Division**

870 Technology Way

Libertyville, IL 60048

List No. 73049414

02-0576/R1

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