

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



OCT 9 2012

OFFICE CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Steven E. Rogosheske  
CHEM-TECH  
4515 Fleur Drive #303  
Des Moines, IA 50321

Subject: Amended Reregistration Label  
Product Name: AeroTech® with NyGuard® IGR Pressurized Fogging Spray  
EPA Registration Number: 47000-147  
EPA Decision Number(s): 411894 and 410169

Dear Mr. Rogosheske:

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 Pyrethrins and Piperonyl Butoxide RED(s), 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.

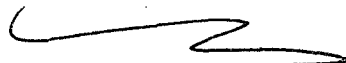
Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated [June 22, 2004]

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 Melody Banks at (703)305-5413 or via e-mail at [banks.melody@epa.gov](mailto:banks.melody@epa.gov)

Sincerely,



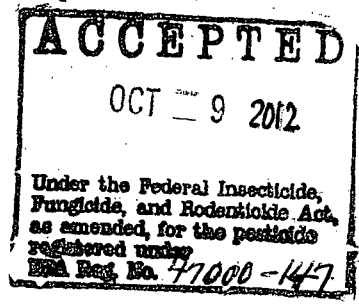
Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

**Enclosures:** *Label stamped "Accepted," October 9, 2012*  
*Acute Toxicity Review, dated (September 8, 2010)*  
*Product Chemistry Review, dated (November 14, 2011)*

# AeroTech® with NyGuard® IGR Pressurized Fogging Spray

\*Editors note: Text in brackets [ ] are optional marketing claims or wording – the final label may include some or all of the optional text.

- For use indoors as a space, area, or contact spray for listed insects in areas specified on the label.
- [Provides flushing action and quick knockdown plus residual activity for indoor use as a space, area or contact spray.]
- [Contains NyGuard® (or NYLAR®) insect growth regulator similar to the naturally occurring insect growth hormones that interfere with insect growth and development.]
- [Controls numerous pests in and around structures.]
- [Recommended for commercial and industrial use.]
- [For use in food and non-food areas of food processing plants and food service establishments.]
- [Continuous protection against stored product pests for 3 months.]
- [Effectively breaks certain listed cockroaches life cycles.]
- [Keeps working on listed cockroaches for (180 days) (26 weeks) (6 months).]
- [Works to break the life cycle of listed insects.]
- [NyGuard® (NYLAR®) is a registered trademark of McLaughlin, Gormley, King Co., Minneapolis, MN]



**ACTIVE INGREDIENTS:**

Pyrethrins .....	0.700 %
Piperonyl Butoxide* .....	5.000 %
Pyriproxyfen.....	0.267%

**OTHER INGREDIENTS\*\*:**

.....	94.033%
<b>TOTAL</b> .....	<b>100.000 %</b>

\* (butylcarbityl)(6-propylpiperonyl) ether and related compounds  
 \*\*Contains Petroleum Distillate  
 AeroTech® is a registered trademark of the Industrial Fumigant Company

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> <li>▪ Immediately call a poison control center or doctor.</li> <li>▪ Do not give any liquid to the person.</li> <li>▪ Do not induce vomiting unless told to do so by a poison control center or a doctor.</li> <li>▪ Do not give anything by mouth to an unconscious person.</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> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
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 eyes.</li> <li>▪ Call a poison control center for treatment advice.</li> </ul>
IF INHALED:	<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 by mouth-to-mouth, if possible.</li> <li>▪ Call a poison control center or doctor for further treatment advice.</li> </ul>
<p><b>NOTE TO PHYSICIAN:</b> This product contains petroleum distillate and may pose an aspiration pneumonia hazard. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call the National Pesticide Information Center at 1-888-858-7378.</p>	

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PHYSICAL OR CHEMICAL HAZARDS**

Contents under pressure. Keep away from fire, sparks and heated surfaces. Do not puncture or incinerate container. Exposures to temperatures above 130° F may cause bursting. Do not spray on plastic, painted or varnished surfaces or directly into electronic equipment such as radios, TVs, computers, etc.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

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

- Long-sleeve shirt,
- Long pants,
- Shoes and socks.

In addition to the above PPE, applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with:

- A dust/mist filter with MSHA/NIOSH approval number prefix TC-21C, or
- any R, P or HE filter.

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with:

- a dust/mist filtering cartridge (MSHA/NIOSH approval prefix TC-21C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any R, P, or HE filter.

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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.

**DIRECTIONS FOR USE**

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

**READ ALL DIRECTIONS COMPLETELY BEFORE USE.**

**USE RESTRICTIONS**

**Entry Restrictions**

For surface spray applications: Do not enter or allow others to enter treated area until sprays have dried.

For space spray applications: 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 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 treatment.

Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.

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.

When used in food handling and processing facilities: Do not make space spray application when facility is in operation. Prior to space spray applications, cover or remove exposed food. Prior to space spray applications, cover food processing surfaces or clean after treatment and before use. Do not apply more than 1 time per day.

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.

Do not apply directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Remove pets, birds (except in commercial poultry operations) and cover fish aquariums before spraying.

**FOR INDOOR USE ONLY.** This product [product name] should be applied only with the appropriate high pressure gun and hose or through a fixed spray system.

The portable system with its hand-held gun will produce a specific discharge rate, expressed in grams per second, depending on the nozzle size used. In a semi-portable system, or through a fixed installation, a dosing cylinder of a designated fill weight is connected to a nozzle system, thereby permitting a fixed dosage rate. This is calculated from the total cubic capacity of the premises. Different sizes of dosing cylinders thereby control the application rate. Where the dosing cylinder is filled from a supply cylinder, leave the valve open in the fill position prior to fogging for ten minutes to allow the pressure to balance. Turn the valve from the fill position to the fog (spray) position to release insecticide and propellant. The semi-portable system can also be operated on a timer without a dosing cylinder. Do not apply this product outside the temperature range of 50-95°F.

When using in an indoor misting system:

- Do not apply when food, feed, and/or water is present.
- 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.
- 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.
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rates for the various use sites as listed below.  
See rates for the listed use sites below.

**GENERAL:** Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. All food contact surfaces should be covered or washed with an effective cleaning compound followed by a potable water rinse after use of the product and before food contact.

**INDOOR USE AREAS** [for use in and around, [such as]:

Animal Areas & Quarters, Animal Shelters, Animal Control Centers, Auditoriums, Bakeries, Beverage Plants, Bars, Basements, Bathrooms, Bottling Plants, Breweries, Brewery Warehouses, Buildings, Buses, Cafeterias, Canneries, Circus Tents, Commercial Buildings, Communication Centers, Dumpsters, Egg Processing Plants, Factories, Freight Containers, Fruit Packing Sheds, Garbage Bins, Garbage Cans, Garbage Compactors, Garbage Trucks, Grain Elevators, Grain Harvesting & Handling Equipment, Garages, Grain Mills, Granaries, Grocery Stores, Grocery Warehouses, Horse Stables & Barns, Horse Trailers, Indoor Eating Establishments, Industrial Installations, Institutional Dining Areas, Institutions, Jails, Kennels, Laboratories, Lavatories, Meat Packing Plants, Office Buildings, Other Public Buildings, Poultry Houses, Prisons, Public Storage, Railroad Cars, Research Animal Quarters, Rice Mills, Ships, Ship Holds, Stables, Storage Bins (areas), Stored Food in Multi-walled Paper or Cloth Bags, Textile Mills & Warehouses, Theaters, Tobacco Factories, Tobacco Warehouses, Transportation Equipment, Trucks, Truck Trailers, Utilities, Utility Rooms, Warehouses, Wholesale Stores, and Zoos.

**FOR THE CONTROL OF INSECTS** [such as]:

Almond Moths, Angoumois Grain Moths, Ants, Black Fly, Boxelder Bugs, Brown Dog Ticks, Cadelles, Carpet Beetles, Carrion Beetles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cockroaches, Coffee Bean Weevils, Confused Flour Beetles, Crickets, Dark Mealworms, Darkling Beetles, Deer Flies, Dermestid Beetles, Drain Flies, Dried Fruit Beetle, Drugstore Beetles, Earwigs, Face Fly, Firebrat, Flat Grain Beetles, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Hide Beetles, Horn Flies, Hornets, Horseflies, Indian Meal Moths, Khapra Beetles, Litter Beetles, Lesser Grain Borers, Lesser House Fly, Mediterranean Flour Moths, Merchant Grain Beetle, Midges, Miller Moths, Millipedes, Mosquitoes, Flying Moths, Palmetto Bugs, Pillbugs, Red Flour Beetles, Rice Flour Beetles, Rusty Grain Beetles, Sawtoothed Grain Beetle, Silverfish, Skipper Fly, Spiders, Spider Beetles, Stable Flies, Sowbugs, Ticks, Ticks that may carry and transmit Lyme Disease, Tobacco Moths, Warehouse Beetles, Wasps, Waterbugs, Yellow Jackets, Yellow Mealworms.

**INDOOR USE**

**SPACE SPRAY:** To kill exposed accessible stages of: Flies (including Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants and the following common Stored Product Pests: Granary Weevils, Rice Weevils, Confused Flour Beetles, Saw-Toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Tobacco Moths, Yellow Meal Worms, Dark Meal Worms, Grain Mites, Cadelles and Red Flour Beetles. Do not apply while the plant is in operation. Remove or cover exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 0.21 to 0.25 oz. (6 to 7.1 grams) per 1,000 cubic feet of space. Direct spray toward upper corners of room and ceiling. Leave room closed for 1/2 hour and ventilate thoroughly before re-entry. Do not apply more than once per day.

**CONTACT AND SPACE SPRAY:** To kill Cockroaches, Silverfish, Earwigs, Ants, and Spiders. Apply at the rate of 0.21 to 0.25 oz. (6 to 7.1 grams) per 1,000 square feet. Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Do not allow spray to contact stored food. Then treat as a space spray. Apply at the rate of 0.21 to 0.25 oz. (6 to 7.1 grams) per 1,000 cubic feet of space. Vacate treated area and leave the room closed for 1/2 hour. Ventilate thoroughly before re-entry. Do not apply while the plant is in operation. Do not apply more than once per day.

**NOTE:** If there is a need to treat such areas as conduits, motor housings, junction and switch boxes or other electrical equipment, turn off electrical equipment prior to application. After application, allow time for oil to dissipate before starting motors or placing switches in the "ON" position.

**TREATMENT OF STORED FOOD AREAS:** Foods in multi-walled bags, cloth bags or other packaging stored in such areas as listed areas for the control of accessible adult stages of: Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetle and other listed pests. Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. As noted above, disperse first by directing spray into cracks and crevices, corners, pallets and around stacks of packaged goods hitting as many insects as possible at a rate of 0.53 to 0.7 oz. (15 to 19.9 grams) per 1,000 square feet, and then apply as a space spray at a rate of 0.53 to 0.7 oz. (15 to 19.9 grams) per 1,000 cubic feet of room space. Do not apply more than once per day. Do not remain in treated area and ventilate before re-entry.

**FOR USE IN TRANSIT PROTECTION:** To control accessible stages of listed insects, clean and spray truck beds, boxcars, ships holds and other listed transit equipment before loading. Thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked. Apply at the rate of 0.53 to 0.7 oz. (15 to 19.9 grams) per 1,000 square feet.

**DRIED FRUIT PRODUCTS in storage or being processed, for control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths, And Saw-Toothed Grain Beetles:** Remove and destroy infested products. Spray this product as a fine mist in the air above the trays and shelves at the rate of 0.25 oz. (7.1 grams) per 1,000 cubic feet of space. Do not apply to fruit directly. Repeat application at this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate the area before re-entry. Sweep up and destroy fallen insects.

**STORED FOOD: (Stored in multi-wall bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms, warehouses for control of Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-Toothed Grain Beetles, Yellow Meal Worms:** Remove and destroy infested products. Disperse this product first by directing spray into corners, under pallets, and around stacks of packaged foods hitting as many insects accessible at a rate of 0.53 to 0.7 oz. (15 to 19.9 grams) per 1,000 square feet, and then treat as a space spray at a rate of 0.53 to 0.7 oz. (15 to 19.9 grams) per 1,000 cubic feet of room space. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects.

**ZOOS:** As a space spray to kill FLIES, GNATS, MOSQUITOES, SMALL FLYING MOTHS: Apply at a rate of 1 to 2 seconds per 1,000 cubic feet of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when re-infestation occurs.

**FOR CONTROL OF LITTER BEETLES (Such as Darkling, Hide, and Carrion Beetles):**

AeroTech IGR Pressurized Fogging Spray can be applied to litter, such as poultry houses infested with litter beetles. Close all windows and doors. Spray roosts, walls, and cages thoroughly. Spray at a rate of 0.21 to 0.25 oz. (6 to 7.1 grams) per 1,000

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cubic feet of space. Do not remain in treated areas. After 15 minutes, ventilate the area. Reapply after each grow-out or sanitation procedure.

[for returnable/refillable cylinders]

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** This cylinder must be checked periodically. A defective cylinder should not be used. A cylinder that has parts missing, is plainly worn or distorted should be replaced immediately. Store upright in a cool and dry area.

**PESTICIDE DISPOSAL:** Pesticide that cannot be used according to label instructions must be returned to the point of purchase in its original container.

**CONTAINER DISPOSAL:** Do not use this container for any other purpose. This cylinder must not be disposed of in any manner. Cylinders must be returned to point of purchase for credit. All cylinders, valves and caps remain the property of the manufacturer. Federal regulations prohibit the refilling of cylinders without written consent of the manufacturer.

[for non-returnable/refillable aerosol containers]

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool, dry area, away from heat or open flame.

**DISPOSAL:** Do Not Puncture or Incinerate. **If Empty:** Place in trash or offer for recycling if available. **If Party Filled:** Call you local solid waste agency for disposal instructions.

**NOTICE TO USER:** It is impossible to eliminate all risks inherently 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 Chem-Tech, Ltd, the manufacturer or seller. To the extent consistent with applicable law, Chem-Tech, Ltd, the manufacturer or seller shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as warranted by this label, Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability shall be limited to damages not exceeding the cost of the product.

Net Contents \_\_\_\_\_

Manufactured by:  
CHEM-TECH LTD.  
4515 Fleur Drive  
Des Moines, IA 50321

**EPA Reg. No. 47000-147**

**EPA Est. No. 47000-IA-1**

9/28/12 per EPA letter 9/19/12