



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 29, 2021

Susan Westra  
Domestic Registration Manager  
Chem-Tech, Ltd.  
110 Hopkins Drive  
Randolph, WI 53956

Subject: Registration Review Label Mitigation for Pyriproxyfen  
Product Name: AEROTECH WITH NYGUARD IGR  
EPA Registration Number: 47000-147  
Application Dates: November 14, 2017  
Decision Numbers: 563780

Dear Ms. Westra:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Pyriproxyfen Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment 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 section 6.

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EPA Reg. No. 47000-147  
Decision No. 563780

If you have any questions about this letter, please contact DeMariah Koger by phone at 703-347-0425, or via email at [koger.demariah@epa.gov](mailto:koger.demariah@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

Pyriproxyfen	Group	7	Insecticide
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## AeroTech® with NyGuard® IGR

### ACTIVE INGREDIENTS:

Pyrethrins.....0.70%  
Piperonyl Butoxide\*.....5.00%  
Pyriproxyfen.....0.20%

**OTHER INGREDIENTS\*\*:**.....94.10%

**TOTAL**..... 100.00%

\* (Butylcarbityl) (6-Propylpiperonyl) ether and related compounds

\*\* Contains Petroleum Distillates

EPA Reg. No. 47000-147

EPA Est. No. 47000-IA-01

EPA Est. No. 61282-WI-01

EPA Est. No. 66171-CA-001

EPA Est. No. 66171-TN-001

[(First letter of batch number indicates establishment)]

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

*See [inside, side, front, back] [panels, booklet, leaflet] for [First Aid and] additional Precautionary Statements*

**Net Contents:**  
\_\_\_\_\_

**Manufactured by:**

Chem-Tech, Ltd.

1006 Business Hwy 5

Pleasantville, IA 50225 U.S.A.

**ACCEPTED**

**01/29/2021**

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

EPA Reg. No. 47000-147

{**Note to Reviewer:** Items in [brackets] represent optional language. Standard measurements may be abbreviated or written out. “[This product]” supports the addition of the product brand name, which must be formatted in a size consistent with the surrounding body text. For brand names used in body text, **bold**, *italic*, and/or ALL CAPITALS is also permitted. Additional/optional marketing statements are listed on the last page(s) of this label. Section headers may be centered or formatted for emphasis, consistent with general label layout.}

{**Note to Reviewer:** First Aid statement may be formatted without bullets or as paragraph(s)}

<b>FIRST AID</b>	
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice or transport the patient to the nearest hospital.</li> <li>• Do not give <b>any</b> liquid to the patient.</li> <li>• Do not administer anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or on 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 further treatment advice.</li> </ul>
<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 further 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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate. May cause aspiration pneumonia hazard.	
<p><b>Have product container or label with you when calling a poison control center, doctor, or going for treatment.</b></p> <p><b>For 24-hour emergency information on this product, call</b>  <b>1-800-498-5743 (US &amp; Canada) or 1-651-523-0318 (all other areas).</b></p>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear the following:

- Long-sleeved shirt and long pants,
- Shoes and socks,
- Chemical-resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, or Viton).

### 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.

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 them.

As soon as possible, wash thoroughly and change into clean clothing.

### **PHYSICAL OR CHEMICAL HAZARDS**

**Contents under pressure.** Keep away from fire, sparks and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting. Do not spray on plastic, painted, or varnished surfaces or directly into any electrical equipment due to the possibility of shock hazard.

### **DIRECTIONS FOR USE**

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

**READ THIS LABEL:** Read this entire label and follow all use directions, use restrictions, and precautions.

### **Resistance Management Recommendations**

For resistance management, AeroTech® with NyGuard® IGR contains a Group 7 insecticide. Any insect population may contain individuals naturally resistant to AeroTech® with NyGuard® IGR and other Group 7 insecticides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields.

Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Use tank mixtures with insecticides from a different group that are equally effective on the target species when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues for the targeted pests between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Cooperative Agricultural Extension Agent or your local Neogen representative at 1-800-477-8201.

## **USE RESTRICTIONS**

### **Entry Restrictions**

For space spray applications: Do not enter or allow other 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 application.

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 with an effective cleaning compound followed by a potable water rinse after use of the product and before food contact.

When used in food handling and processing facilities: Do not make space spray applications 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 reuse. Do not apply more than once 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 to 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 this product to enter any drain during or after application.

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

Do not use in aircraft.

**FOR INDOOR USE ONLY.**

***For Indoor Applications:***

[This product] [Product name] should be applied only with the appropriate high-pressure equipment.

***For Use in Commercial Animal Premise Automatic Misting Systems.***

- 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 apply no more than the maximum application rate described in this label.

***For Indoor Use in and around the following sites:***

Food and non-food areas of Food Handling Establishments, Animal Areas and 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 Building, Communication Centers, Containers, Dumpsters, Egg Processing Plants, Factories, Freight Containers, Fruit Packing Sheds, Garbage Bins, Garbage Cans, Garbage Compactors, Garbage Trucks, Grain Elevators, Grain Harvesting and Handling Equipment, Garages, Grain Mills, Granaries, Grocery Stores, Grocery Warehouses, Horse Stables and Barns, Horse Trailers, Indoor Lavatories, Meat Packing Plants, Office Building, Other Public Buildings, Poultry Houses, Prisons, Public Storage, Railroad Cars, Research Animal Quarters, Rice Mills, Ships, Ship Holds, Stables, Storage Bins (area), Stored Food in Multi-walled Paper or Cloth Bags, Textile Mills and Warehouses, Theaters, Tobacco Factories, Tobacco Warehouses, Transportation Equipment, Trucks, Truck Trailers, Utilities, Utility Rooms, Warehouses, Wholesale Stores, and Zoos.

***[For Use in Controlling/ For Control of] the Following Insects:***

Almond Moths, Angoumois Grain Moths, Ants, Asian Lady Beetles, Black Flies, Boxelder Bug, Brown Dog Ticks, Caddisflies, 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 Flies, Firebrats, Flat Grain Beetles, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Hide Beetles, Horn Flies, Hornets, Horse Flies, Indian Meal Moths, Khapra Beetles, Litter Beetles, Lesser Grain Bores, Lesser House Flies, Mediterranean Flour Moths, Merchant Grain Beetle, Midges, Miller Moths, Millipedes, Mosquitoes, Flying Moths, Palmetto Bugs, Pillbugs, Red Flour Beetles, Stable Flies, Sowbugs, Ticks, Ticks that may carry and transmit Lyme Disease,



Tobacco Moths, Warehouse Beetles, Wasps, Water Bugs, Yellow Jackets, and Yellow Mealworms.

**FOR USE AS A SPACE SPRAY:**

To kill exposed accessible stages of the listed insects, apply [this product] as a space spray at 0.21 to 0.67 fl. oz. (6 to 19 grams) per 1,000 cubic feet of space. Higher dosage rates should be selected for treatment of stored product insects. Close off treatment area and shut off all air conditioning or ventilation equipment. When possible direct spray toward upper corners of room and ceiling. Leave room closed for at least 1 hour and ventilate thoroughly before re-entry. Do not apply more than once per day.

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 listed insects. Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose.

**FOR USE AS A CONTACT AND SPACE SPRAY:**

To kill Cockroaches, Silverfish, Earwigs, Ants, and Spiders, apply [this product] at the rate of 0.21 to 0.67 oz. (6 to 19 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 upon 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 0.67 fl. oz. (6 to 19 grams) per 1,000 cubic feet of space. Vacate treated area and leave the room closed for at least 1 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 product to dissipate before starting motors or placing switches in the "ON" position.

**FOR USE ON DRIED FRUIT PRODUCTS** Apply on dried fruit products in storage or being processed: Remove and destroy infested products. Spray [this product] as a fine mist in the air above trays and shelves at the rate of 0.25 fl. oz. (7.1 grams) per 1,000 cubic feet of space. Do not apply to fruit directly. Leave the room closed for 1 hour. Do not remain in treated area and ventilate the areas before re-entry.

**FOR CONTROL OF LITTER BEETLES** (Such as Darkling, Hide, and Carrion Beetles): This product can be applied to litter, such as in 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 fl. oz. (6 to 7.1 grams) per 1,000 cubic feet of space. Do not remain in treated area. After 15 minutes, ventilate the area. Reapply after each grow-out or sanitation procedure. Birds do not need to be removed during treatment.

**FOR USE IN TRANSPORTATION VEHICLES** To control exposed accessible stages of listed insects, clean and spray truck beds, boxcars, ships holds, and other listed transit equipment [with this product] 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 0.67 fl. oz. (15 to 19 grams) per 1,000 square feet.

[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 or 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 the 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.

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

**PESTICIDE DISPOSAL:** 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.

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#### **DISCLAIMER**

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**[DISCLAIMER:]** To the extent permitted by applicable law, Seller makes no representation or warranty, either express or implied, for results due to misuse, improper handling, or improper storage of this material. Nor does Seller assume any responsibility for injury to persons, crops, animals, soil, or property arising out of misuse, improper handling, or improper storage of this material.

**OR**

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#### **LIMITED WARRANTY**

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To the extent permitted by applicable law, Neogen Corporation makes no warranty concerning uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label. To the extent permitted by applicable law, Neogen Corporation shall not be liable for (1) any consequential, incidental, or special damages related in any way to this product or its uses, or (2) any damages related in any way to resistance to pesticides.

**OR**

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#### **CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY**

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**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitations of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

To the extent permitted by applicable law, Manufacturer and Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Manufacturer, and Buyer and User assume the risk of any such use. To the extent permitted by applicable law, MANUFACTURER AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY, EXCEPT AS STATED ABOVE.

To the extent permitted by applicable law, in no event shall Manufacturer or Seller be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES, OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY, OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF THE MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Manufacturer and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Manufacturer.

For non-emergency (e.g., current product information),  
Call: **1-800-621-8829**

[Code (RN.EN.)RN.EN.]

[Chem-Tech, Ltd. is a wholly-owned subsidiary of Neogen Corporation.]

[AeroTech® is a registered trademark of The Industrial Fumigant Company, LLC.]

[NyGuard® is a registered trademark of McLaughlin, Gormley, King Co., Minneapolis, MN]

[TurboCide® is a Registered Trademark of Neogen Corporation.]

**Alternate Brand Name:**

TurboCide® Advanced Fogging Products Py-75 w/IGR

**Optional Marketing Statements/Graphics:**

{**Note to Reviewer:** References in optional marketing claims to [listed animals/insects] may be replaced with specific animals/insects from this label, provided the claims are not misleading with regard to approved uses.}

This Aerosol System Employs Liquid Carbon Dioxide as a Solvent and Propellant.

To be Used With AeroTech® Fogging Systems or appropriate space spray equipment.

No Cylinders to Dispose of.

These Cylinder are Returned to the Manufacturer for Refilling.

AeroTech® with NyGuard® IGR

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[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 development.

Controls [numerous] [listed] [insects] 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.

[Provides] 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].

[Manufactured][Made] in the U.S.A.

<American Flag graphic>

<Graphics/silhouettes of listed insects>

<Graphics/silhouettes of listed uses>

<Chem-Tech logo>

<Neogen logo>

<Neogen Corporation logo>

<Neogen flask logo>

Example Company Logos:



Or

