

1021-1810

6/21/2012

1/11



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

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

**NOTIFICATION**

**JUN 21 2012**

Thomas A. Lennan  
Regulatory Affairs Specialist  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

Subject: Application for Pesticide Notification  
EPA Registration Number: 1021-1810  
Date of Submission: May 24, 2012

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated May 24, 2012, for the abovementioned product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

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


Sincerely,

A handwritten signature in black ink, appearing to read "R Gebken".

A small, stylized handwritten mark or signature, possibly initials.

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

Enclosures: Copy of Label Stamped "Notification"

	United States Environmental Protection Agency Washington, DC 20460		Registration Amendment Other	OPP Identifier Number
		X		
	<b>Application for Pesticide - Section I</b>			

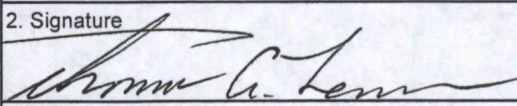
1. Company/Product Number 1021-1810	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) PYROCIDE® Falcon 7452	PM# 10	
5. Name and Address of Applicant (Include Zip Code) McLAUGHLIN GORMLEY KING COMPANY 8810 TENTH AVENUE NORTH MINNEAPOLIS, MN 55427  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____

<b>Section - II</b>	
<input type="checkbox"/> Amendment - Explain below.  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. _____  <input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification pursuant to PR-Notice 98-10

<b>Section - III</b>					
1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)		
*Certification must be submitted If "Yes" Unit Packaging wgt. 4X1Gallon		No. per container 1X55Gallon	If "Yes" Package wgt. No. per container		
3. Location of Net Contents information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 Gallon 55 Gallon		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

<b>Section - IV</b>		
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Thomas A. Lennan	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) (763) 544-0341
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)
2. Signature 	3. Title Regulatory Affairs Specialist	
4. Typed Name Thomas A. Lennan	5. Date 5/24/2012	



3/11

May 24, 2012

Document Processing Desk (NOTIF)  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs (H7504P)  
Room S-4900, One Potomac Yard  
2777 South Crystal Dr.  
Arlington, VA 22202-4501

Via Courier

Subject: PYROCIDE® Falcon 7452  
EPA Reg. No. 1021-1810  
Notification Pursuant to PR-Notice 98-10

Dear Sir or Madam:

By Notification, we are modifying the statement on pg. 3 from **“FOR APPLICATIONS ONLY IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS”** to **“SPACE SPRAY APPLICATIONS ARE ONLY FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS.”** This is to better clarify that space spraying applications with this product are only allowed in food areas of food handling establishments.

Enclosed are two copies of our label, 1 copy has changes highlighted in color.

This Notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, then this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If there are any questions or you need anything further, please contact this office.

Sincerely,  
McLaughlin Gormley King Company

Thomas A. Lennan  
Regulatory Affairs Specialist

8810 Tenth Avenue North  
Minneapolis, MN 55427

TOLL FREE 800.645.6466  
TEL 763.544.0341  
FAX 763.544.6437  
WWW.MGK.COM

Enclosure

4/11

# PYROCID<sup>®</sup> Falcon 7452

[ ] indicates optional wording

[Provides flushing action and quick knockdown plus residual activity for indoor use as a ULV, space, area or contact spray.]

[Contains [NYLAR<sup>®</sup>] [NYGUARD<sup>®</sup>] 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.]

[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.]

For use indoors and outdoors as a ULV, space, area, contact spray or thermal fog for listed insects in areas specified on the label. For use in and around the home and food and non-food areas of food processing plants and food service establishments.

ACTIVE INGREDIENTS:

Pyrethrins .....	1.00%
* Piperonyl butoxide, Technical .....	2.00%
** N-Octyl bicycloheptene dicarboximide .....	3.00%
Esfenvalerate (CAS #66230-04-4) .....	0.20%
2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine .....	0.10%
*** OTHER INGREDIENTS .....	93.70%
	100.00%

\* Equivalent to 1.6% (butylcarbityl) (6-propylpiperonyl) ether and 0.4% related compounds

\*\* MGK<sup>®</sup> 264, Insecticide Synergist

\*\*\* Contains petroleum distillate

PYROCID<sup>®</sup>, MGK<sup>®</sup> - Registered trademarks of McLaughlin Gormley King Company

**NOTIFICATION**  
**JUN 21 2012**

**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 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 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>
NOTE TO PHYSICIAN: 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 1-888-740-8712.	

Manufactured by



8810 Tenth Avenue North  
 Minneapolis, MN 55427

EPA Reg. No. 1021-1810

EPA Est. No. 1021-MN-2

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS
<b>CAUTION</b>
Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in

some individuals. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health Under the provisions of 30 CFR Part II. Avoid contamination of food or feedstuffs.

Remove pets, birds, and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not 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.

**READ ALL DIRECTIONS COMPLETELY BEFORE USE.**

**In Hospitals:** Patients should be removed from room prior to treatment. Rooms should be ventilated for two hours after spraying. Do not return patients to room until after ventilation.

Do not use in nurseries or rooms where infants, ill, or aged persons are present.

**GENERAL:** PYROCIDE® Falcon 7452 is designed for use undiluted in mechanical sprayers which gives particles of aerosol size. It can be diluted with refined kerosenes, which meet Food Additive Regulation as defined by CFR Title 21, 172.884, and applied in fogging equipment that give larger than aerosol particle size. It can also be diluted with the oil specified above and applied as a contact spray to kill crawling insects shown later on this label.

Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment.

**INDOOR AREAS for use in and around:**

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 House, 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, Grocery Warehouses, Homes, Horse Stables & Barns, Horse Trailers, Hospices, Hospitals, Hotels, Indoor Eating Establishments, 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 Buildings, Other Public Buildings, Parking Garages, Pool Halls, Poultry Houses, Prisons, 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.

**FOR THE CONTROL OF INSECTS including, but not limited to [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, Mosquitoes that may carry and transmit West Nile Virus, 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.

## FOR INDOOR USES

### SPACE SPRAY APPLICATIONS ARE ONLY FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS

#### **FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:**

A food handling establishment is an area or place other than a private residence in which food is held, processed, prepared and/or served.

Do not apply while the food area is in operation.  
Remove or cover exposed food and food handling surfaces.  
Do not allow spray to contact stored food.  
Close room and shut off all air conditioning or ventilating equipment.

Do not allow adults, children, or pets to enter the treated area at least 15 minutes, until vapors, mists, and aerosols have dispersed, and the treated area has been through ventilated.

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 before use.  
Do not apply more than 1 time per day.

#### **As Undiluted Space Spray Application:**

#### **For application in food areas of food handling establishments:**

Pest	Application Rates	Remarks
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.	Apply at the rate of 0.5 fluid ounces undiluted PYROCIDE® Falcon 7452 per 1,000 cubic feet of space (0.52 ml /m <sup>3</sup> ).	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 this undiluted spray in facilities operating under Federally Inspected Facilities.
To kill: Cockroaches, Silverfish, Earwigs, Ants, Spiders	Apply at the rate of 0.5 fluid ounces undiluted PYROCIDE® Falcon 7452 per 1,000 cubic feet (0.52 ml /m <sup>3</sup> ) of space.	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. Then treat as a space spray. Vacate treated area and leave the room closed for 1/2 hour. Ventilate thoroughly before re-entry.

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.

7/11

**For application in treatment of stored food areas:** For areas with foods stored in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages:

Pest	Application Rates	Remarks
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.	Disperse first by directing spray into cracks and crevices, corners, pallets and around stacks of packaged goods hitting as many insects as possible and then apply as a space spray at a dosage of 1.5 fluid ounces per 1,000 cubic feet (1.6 ml/m <sup>3</sup> ) of room space.	Repeat application as necessary for insect control.  Do not remain in treated area and ventilate before re-entry.  Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose.

**For application in other stored food and tobacco facilities:** As a space treatment around bags or other packaging and pallets containing stored peanuts, nuts, beans (including cocoa), seeds, copra, and tobacco. Do not apply directly to any exposed foodstuff or exposed tobacco.

Pest	Application Rates	Remarks
For the control of accessible 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 Beetles and other listed insects	Apply as a space spray at the rate of 1.5 fluid ounces per 1,000 cubic feet (1.5 g/m <sup>3</sup> ) of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions	Apply to the surface of stored or bagged products. Also spray walls, floors and other surfaces, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places.
To kill Cockroaches	Using an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices	Spray directly into cracks and crevices to completely fill wall, equipment, and other small structural void areas. Leave room ventilation or air conditioning equipment on during application. Except in hospitals, as noted above, the room can be reentered immediately after applications are complete.

**As Diluted Space Spray Application:**

**For application in food areas of food handling establishments:**

Pest	Application Rates	Remarks
To control accessible stages of Almond	Dilute PYROCID® Falcon 7452 with a	Remove or cover exposed food and cover

<p>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 and Khapra Beetles.</p>	<p>white mineral oil conforming to Regulation 21 CFR 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 121.1182 at the rate of 1(one) part concentrate to 9(nine) parts oil and mix well. Apply at the rate of 5.0 fluid ounces per 1,000 cubic feet (5.2 ml/m<sup>3</sup>) of space, filling the room with mist. Use in mechanical fogging, thermal fogging or spraying equipment. Close room and shut off all air conditioning or ventilating equipment.</p>	<p>food handling surfaces in edible product areas of food handling establishments. Food contact surfaces should be thoroughly washed with an effective cleaning compound and rinsed with potable water after use of the product. [Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment.] Vacate treated area and ventilate before re-entry.</p>
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**Treatment of Areas Containing Stored Dried Fruit Products:** For areas with foods stored in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages:

Pest	Application Rates	Remarks
<p>For control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths, And Saw-Toothed Grain Beetles</p>	<p>Dilute concentrate with oil at the rate of 1 part PYROCIDE® Falcon 7452 plus 29 parts oil or 4.5 fluid ounces per gallon (36 ml/L) and mix well. Disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use 0.5 fluid ounces per 1,000 cubic feet (0.52 ml/m<sup>3</sup>) of space.</p>	<p>Remove and destroy infested products. 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.</p>

**Other stored food and tobacco facilities:** For areas with foods or tobacco stored in multi-wall bags or cloth bags in flour mills, grain elevators, granaries, storage rooms, warehouses:

Pest	Application Rates	Remarks
<p>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</p>	<p>Dilute concentrate with oil at the rate of 1 part PYROCIDE® Falcon 7452 plus 29 parts oil or 4.5 fluid ounces per gallon (36 ml/L) and mix well. Disperse this product first by directing spray into corners, under pallets, and around stacks of packaged foods hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 0.5 fluid ounces per 1,000 cubic feet (0.52 ml/m<sup>3</sup>) of space.</p>	<p>Remove and destroy infested products. 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.</p>

**For federally inspected meat and poultry plants:**

Pest	Application Rates	Remarks
<p>For control of exposed or accessible stages of ants, earwigs, flies, fruit flies, gnats, mosquitoes, silverfish, small flying moths, spiders and waterbugs.</p>	<p>Dilute one part PYROCIDE® Falcon 7452 with 3 parts base oil (refined kerosene) and use with a ULV spraying device at the rate of one fluid ounce per 1,000 cubic feet (1.0 ml/m<sup>3</sup>) of room space.</p>	<p>Apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Contact as many insects as possible. Before spraying, exposed food products and packaging materials must be covered or removed. After spraying,</p>



9/11

		<p>equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water prior to use. Use as a space or general surface spray only when plant is not in operation. [Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment.]</p>
<p>To kill litter beetles (Such as Darkling, Hide, and Carrion Beetles):</p>	<p>Dilute 1 part PYROCIDE® Falcon 7452 with 5 parts of a suitable oil. Using a power or proportioner-type sprayer, apply a uniform spray at pressures of 80-100 pounds per square inch to walls, posts, cage framing (birds grown in cages only). Application should also be made into cracks and crevices in and around insulation. One gallon of diluted spray covers 1,000 sq. ft (40 ml/m<sup>2</sup>).</p>	<p>PYROCIDE® Falcon 7452 can be applied to litter, such as poultry houses infested with litter beetles. Remove animals prior to treatment. Treat surfaces after animals are removed. Treat walls and floors and all areas where beetles frequently occur. Do not contaminate food/feed or water. Reapply after each growout or sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply PYROCIDE® Falcon 7452 in a uniform band at least 1 foot up (0.3 m) and 1-4 feet (0.3 – 1.2 m) out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.</p>

**For applications in zoos:**

Pest	Application Rates	Remarks
<p>To kill flies, gnats, mosquitoes, small flying moths</p>	<p>As a space spray diluted for use in conventional mechanical fogging equipment, dilute 1 part PYROCIDE® Falcon 7452 plus 29 parts oil (refined kerosene) and mix well. Apply at a rate of 2 fluid ounces per 1,000 cubic feet (2.08 ml/m<sup>3</sup>) of space above the animals.</p>	<p>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 reinfestation occurs. Do not contaminate animal foods, feeds or water by application or drift.</p>

10/11

**FOR APPLICATIONS IN RESIDENTIAL / COMMERCIAL SETTINGS, INCLUDING NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS**

A food handling establishment is an area or place other than a private residence in which food is held, processed, prepared, and/or served. Non-food areas of food handling establishments include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

Applications within residential and non-residential buildings include homes, apartment buildings, kennels, and non-food areas of industrial and commercial buildings such as hospitals, hotels, warehouses, truck trailers, railroad cars, theatres, office buildings, schools, and other sites as listed.

Do not apply this product as a space spray in any residential or commercial settings, as listed above. Space sprays are ONLY allowed in food areas of food handling establishments.

Do not allow adults, children, or pets to enter the treated area at least 15 minutes, until vapors, mists, and aerosols have dispersed, and the treated area has been through ventilated.

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.

**As Diluted Surface Spray Application:**

Pest	Application Rates	Remarks
To control accessible stages of: Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Boxelder Bugs, Clover Mites, Crickets and other listed insects	Dilute in a range of 1 part PYROCIDE® Falcon 7452 plus 2.25 parts suitable diluent to 1 part concentrate plus 29 parts suitable diluent, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 750 square feet (54 ml/m <sup>2</sup> ) of surface.	May be used only when the facility is not in operation provided exposed food is covered or removed from the area being treated prior to application. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors and other surfaces, storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks and water pipes, around the base of heavy machinery and equipment contacting as many insects as possible. For ants: spray directly into nests, along trails, and directly on all ants observed

**For applications in transit protection:** truck beds, boxcars, ships holds, and other listed transit equipment before loading.

Pest	Application Rates	Remarks
To control accessible stages of listed insects	Dilute concentrate with oil in a range of 1 part PYROCIDE® Falcon 7452 plus 2.25 parts oil to 1 part concentrate plus 29 parts oil and mix well. Apply diluted spray at the rate of 1 gallon per 1,000 square feet (40 ml/m <sup>2</sup> ).	Spray thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked.

11/11

## FOR OUTDOOR USES:

Do not water the treated area to the point of run-off.  
 Do not make applications during the rain.  
 Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until sprays have dried.  
 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 apply to any fruit or nut bearing trees, shrubs, vines, or plants.  
 Do not apply this as a spray or broadcast application to turf other than small spot treatments around structures.  
 Do not use this product for area-wide mosquito adulticiding applications.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- (1) Treatment to soil or non-food bearing vegetation around structures;
- (2) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

### **As Diluted Surface Spray Application:**

Pest	Application Rates	Remarks
To control ants, cockroaches, crickets, flies and other flying insects, mosquitoes, sowbugs, spiders, and ticks.	Dilute concentrate in a range of 1 part PYROCIDE® Falcon 7452 plus 2.25 parts oil to 1 part concentrate plus 29 parts oil and mix well. Use at the rate of 1 gallon diluted spray per 1000 square feet (40 ml/m <sup>2</sup> )	To treat trash containers, dumpsters, and outside surfaces of buildings and other surfaces where these pests have been seen or found. Do not treat surfaces that may be stained.

NOTE: When using oil as the diluent, an odorless light petroleum hydrocarbon as defined by CFR Title 21, 172.884 should be used for all food area and food related applications. Additionally, when diluted and used according to label directions, this spray will meet specifications for use under USDA meat, poultry, shell egg grading, and egg products inspection programs.

## **STORAGE AND DISPOSAL**

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

### PESTICIDE STORAGE:

Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

### PESTICIDE DISPOSAL:

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry.)

### CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Triple Rinse as follows [for containers of 5 Gallons (18.9 L) or less]: 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 ¼ 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.

Triple Rinse as follows [for containers greater than 5 Gallons (18.9 L)]: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.