 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 M St., S.W. Washington, D.C. 20460</p> <p style="text-align: center;"><b>NOTICE OF PESTICIDE Registration</b></p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number: <b>1021-1803</b>	Date of Issuance: <b>MAR 24 2005</b>
	Term of Issuance: <b>Conditional Registration</b>	
	Name of Pesticide Product: <b>PYROCID Mosquito Adulticide 7453</b>	
Name and Address of Registrant (include ZIP Code): <b>Mclaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427-4319</b>		
<b>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</b>		
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, EPA Reg. No. 1021-1803
  - b. Amend the directions for aerial application to include a minimum application height.
3. Data that demonstrate the efficacy of the product against biting flies shall be submitted within one year of the date of registration.
4. Data demonstrating the efficacy of the product when used as an undiluted fogger shall be submitted within one year of the date of registration.
5. Data demonstrating the efficaciousness of the formulation when applied aerially, undiluted and at the lowest label rate, within two years of the date of registration.
6. Submit two copies of the revised final printed label for the record.

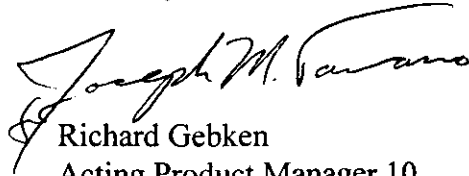
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official: <i>See page 2</i>	Date: <i>March 24, 2005</i>
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Sincerely,

2/5



Richard Gebken  
Acting Product Manager 10  
Insecticide Branch  
Registration Division (7505C)

enclosure  
001021-ORING-PA

Signature of Approving Official:

Date:

**MGK**®  
**McLAUGHLIN**  
**GORMLEY**  
**KING COMPANY**

PYROCID® Mosquito Adulticide 7453

A water based formulation. For application by public health officials and trained personnel of Mosquito Abatement Districts and other mosquito control programs for control of adult mosquitoes in Outdoor Residential, Recreational and other Areas.

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A.

TELEPHONE (763) 544-0341

ACTIVE INGREDIENTS:

Pyrethrins .....	5.00%
• Piperonyl butoxide, Technical .....	25.00%
OTHER INGREDIENTS .....	70.00%
	100.00%

• Equivalent to 20.00% (butylcarbityl) (6-propylpiperonyl) ether and 05.00% related compounds

PYROCID® - Registered trademark of McLaughlin Gormley King Company

ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated:  
 MAR 24 2005

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido expl...

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registration EPA Reg. No.  
 1021-1803

FIRST AID

IF SWALLOWED	<ul style="list-style-type: none"> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have a person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or 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>
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 International Poison Center at 1-888-740-8712.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes, or clothing. Avoid contamination of food or feedstuffs.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS

Do not apply over water, except where mosquitoes are emerging or swarming, or to treat vegetation where mosquitoes may rest. Drift and washoff from vegetation may be hazardous to aquatic organisms in or adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. 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.

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 and follow all directions and precautions when using product.

This product cannot be mixed with oil. Use only clean water. Contains no aromatic or aliphatic petroleum distillates.

SHAKE OR AGITATE THOROUGHLY BEFORE DILUTING. Diluted product must be thoroughly agitated before use. Avoid storing excess formulation in equipment.

PYROCIDE® Mosquito Adulticide 7453 may be used undiluted or diluted with water and applied as an ultra low volume (ULV) non-thermal aerosol (cold fog) or in suitable mechanical spray equipment. Do not apply this product with thermal fogging equipment. Do not exceed the maximum recommended dosage rate (pounds of active ingredient per acre PYROCIDE® Mosquito Adulticide 7453 may be used to control adult mosquitoes, flies and gnats in mosquito control programs including, but not limited to residential, industrial, recreational, and agricultural areas, vegetation surrounding swamps, marshes, overgrown waste areas, roadsides and pastures where adult mosquitoes occur. Use in agricultural areas should be in such a manner as to avoid residues in excess of established tolerances for pyrethrins and piperonyl butoxide on crops or commodities. For best results treat when mosquitoes are most active. Application during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed.

Both ground and aerial applications should be made when meteorological conditions are conducive to keeping the spray cloud close to the ground, such as when an air temperature inversion is present. Do not apply when ground wind speeds exceed 10 mph.

In treatment of corrals, feedlots, animal confinements/houses, swine lots and zoos, cover any exposed drinking water and feed sources before applying.

Aerosol droplet size of PYROCIDE® Mosquito Adulticide 7453 application may be determined using generally acceptable methods such as but not limited to A.I.M.S.; PC-DC-III; or Magnesium oxide coated glass slides. When using coated glass slides, an adequate volume of air should be sampled by using, for example, rotating slide impingers. Depending on the apparatus used, follow manufacturer's instructions for obtaining droplet measurements. Slides should be examined microscopically and the diameter of droplets measured in microns. Slides should be scanned until at least 200 droplets have been sized. A spread factor of 0.86 should be used to correct droplet diameters. The optimum droplet size range is from 10 to 20 microns by the volume median diameter (VMD) calculation.

**OUTDOOR Non-thermal Aerosol (cold fog) Application:** To control mosquitoes, flies and gnats, apply PYROCIDE® Mosquito Adulticide 7453 using any standard ULV ground applicator capable of producing a non-thermal aerosol spray cloud with droplets ranging in size from 5 to 30 microns in diameter and a volume median diameter (VMD) of 10 to 20 microns. Apply the product undiluted at a flow rate of 1.7 to 4.6 fluid ounces per minute at an average vehicle speed of 10 mph. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.0009 to 0.0025 pounds of Pyrethrins and 0.0045 to 0.0125 pounds of piperonyl butoxide per acre. Vary flow rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high.

**AERIAL APPLICATION:** Aerial applications should be done by suitable aerial ULV equipment capable of producing droplets with a VMD of 50 microns or less with no more than 2.5% exceeding 100 microns. Flow rate and swath width should be set so as to achieve 0.28 to 0.76 fluid ounces of undiluted PYROCIDE® Mosquito Adulticide 7453 per acre. Application should be made at an altitude of less than 175 feet (53 meters) with a swath width from 200 to 500 feet depending on the terrain and weather conditions. The recommended airspeed for fixed wing aircraft with flat fan nozzles is from 120 to 160 mph. For rotary wing aircraft equipped with rotary nozzles, apply at a sufficient airspeed to deliver the appropriate amount of a.i. per acre. Examples of application systems include: **FLAT FAN NOZZLES:** Conventional agricultural nozzles (standard flat fan) may not produce droplets within the appropriate size spectrum. If these nozzles are used, they should be oriented 135° forward and size limited to a spray tip number (representing spray volume) according to aircraft application speed. For example, for application speeds between 60-170 mph, use nozzle tips numbering 0005 to 001 (0.05 to 0.1 gallons per minute at 40 psi). For application speeds in excess of 170 mph, nozzle tip numbers up to 004 (0.4 gpm at 40 psi) may be used. **ROTARY ATOMIZERS:** Rotary atomizers should be set to deliver a maximum RPM using the cage mesh or plastic sleeve available from the manufacturer to produce a the appropriate size spectrum. Other ULV application systems producing droplets within specifications may be used as long as 0.76 fluid ounces of PYROCIDE® Mosquito Adulticide 7453 per acre is not exceeded. IN FLORIDA: Do not apply by aircraft except in emergency situations and with the approval of the Florida Department of Agriculture and Consumer Services.

PYROCIDE® Mosquito Adulticide 7453 may also be diluted with water and applied so as not to exceed the maximum pounds of active ingredient per acre as show in the tables below. If an alternative dilution rate is used, adjust the flow rate accordingly, provided the droplet size and spectrum remains within label specifications.

Rates to use PYROCIDE® Mosquito Adulticide 7453 Undiluted for Mosquito Control

Pounds a.i./Acre		PYROCIDE® Mosquito Adulticide 7453	Flow rates in fluid oz./minute at truck speeds of:			
Pyrethrins	PBO	Fl. oz./Acre	5 MPH	10 MPH	15 MPH	20 MPH
0.0025	0.0125	0.76	2.3	4.6	7.0	9.3
0.0018	0.0090	0.55	1.7	3.3	5.0	6.7
0.0009	0.0045	0.28	0.8	1.7	2.5	3.3

MIN + MAX

10-25 feet  
10 feet

Rates to use a 2.5% product (1 to 1 dilution ratio) PYROCIDE® Mosquito Adulticide 7453 for Mosquito Control

Pounds a.i./Acre		PYROCIDE® Mosquito Adulticide 7453	Flow rates in fluid oz./minute at truck speeds of:			
Pyrethrins	PBO	Fl. oz./Acre	5 MPH	10 MPH	15 MPH	20 MPH
0.0025	0.0125	1.53	4.6	9.3	13.9	18.6
0.0018	0.0090	1.10	3.3	6.7	10.0	13.4
0.0009	0.0045	0.55	1.7	3.3	5.0	6.7

Rates to use a 1% product (1 to 4 dilution ratio) PYROCIDE® Mosquito Adulticide 7453 for Mosquito Control

Pounds a.i./Acre		PYROCIDE® Mosquito Adulticide 7453	Flow rates in fluid oz./minute at truck speeds of:		
Pyrethrins	PBO	Fl. oz./Acre	5 MPH	10 MPH	15 MPH
0.0025	0.0125	3.83	11.6	23.2	34.8
0.0018	0.0090	2.76	8.4	16.7	25.1
0.0009	0.0045	1.38	4.2	8.4	12.5

**STORAGE AND DISPOSAL**

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

STORAGE: Store in a cool, dry place. Keep container closed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved State and Local procedures.

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

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021-

EPA Est. No. 1021-MN-2