

2011-4512
2011-10-18

**TEXT FOR JUG LABEL
TO BE PRINTED AS A SINGLE PANEL**

PROPOXUR

Liquid Concentrate Insecticide

GROUP	1A	INSECTICIDE
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For Control of Household Insects and Mosquitoes

COMMERCIAL

GUARANTEE: Propoxur.....180 g/L

REGISTRATION NUMBER **10 233** PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL AND BROCHURE BEFORE USING



DANGER

POISON

CORROSIVE TO EYES

CAUTION: Do not store below 0°C. Keep away from direct sunlight, radiators, stoves, and other sources of heat.

NET CONTENTS: 4 LITRES

Wellmark International D.B.A. Central Life Sciences
Suite 200 West
1501 East Woodfield Road
Schaumburg IL 60173
United States

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

USE LIMITATIONS

Do not apply to rugs, carpets, draperies, wallpaper, or similar materials that may be stained or watermarked.

Do not use as an indoor space spray. Provide adequate ventilation of area being treated.

Do not apply to animals or humans.

Do not treat plants directly.

Do not contaminate food or feed.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Do not allow children to contact treated surfaces until surfaces are completely dry. Do not apply under conditions where exposure from the aerosol or fog to an unprotected person(s) could occur.

DANGER:

Corrosive to eyes. Causes irreversible eye damage. May be fatal if swallowed and harmful if inhaled. Do not get in eyes or on clothing. During mixing, loading, ground application, cleanup and repair, wear rubber boots, rubber suits or rubber aprons over coveralls, chemical-resistant gloves, a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides, goggles and a cap or hat. Aerial applicators must wear long-sleeved shirts and pants. Avoid breathing vapour or spray mists. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, shrimp, crabs, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not contaminate water by cleaning of equipment or disposal of wastes. Toxic to bees. Consult your provincial apiarist before using. Apply this product only as specified on the label.

FIRST AID

If swallowed, call a poison control centre or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth

to an unconscious person. **If in eyes,** hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Propoxur inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. The symptoms of poisoning include a sense of "tightness" in the chest, sweating, constricted pupils, stomach pains, vomiting and diarrhea.

ANTIDOTE: Atropine sulfate administered in large therapeutic doses repeated as necessary to the point of tolerance. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Do not store below 0°C. Keep away from direct sunlight, radiators, stoves and other sources of heat. Store in original container and out of the reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

CONTAINER DISPOSAL: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

CANADIAN LABEL	

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Propoxur Liquid Concentrate Insecticide is recommended for use wherever the household insects or mosquitoes listed below are a problem. It provides good flushing action, rapid knock-down, and gives long residual control of cockroaches and mosquitoes, including strains of these insects resistant to certain organophosphate insecticides. The formulation mixes readily with water and may be applied with most hand or power-operated sprayers. Agitate spray mixture frequently.

NOTE: Do not use in fiberglass tanks. The spray mixture made from this formulation may loosen paint coatings in metal tanks if allowed to stand for more than a few hours. Clean tanks thoroughly before and after use.

For control of mosquitoes Propoxur Liquid Concentrate Insecticide may be applied by ground mist-sprayers or with conventional aircraft spray equipment.

AIRCRAFT APPLICATION

GENERAL DIRECTIONS FOR USE AND PRECAUTIONS

Propoxur Liquid Concentrate Insecticide may be applied by aircraft only for control of mosquitoes. **CLOSED COCKPITS ARE REQUIRED FOR ALL AERIAL APPLICATIONS OF PROPOXUR LIQUID CONCENTRATE INSECTICIDE.** Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices. Human flagging is prohibited.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Apply only when meteorological conditions at the treatment site allow for complete and even coverage and on-target deposition of the product. Spray droplets must have a volume median diameter (VMD) not exceeding 45 microns. Droplets 45 microns or larger may cause permanent damage to the paint finishes of automobiles, trailers and boats.

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-888-283-6847 or obtain technical advice from the distributor or your provincial representative. Application of this specific product must meet and/or conform to the rates and water volumes referred to under the heading "Recommended Applications."

Label rates, conditions and precautions are product specific. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

AERIAL APPLICATIONS FOR MOSQUITO OR BLACK FLY CONTROL ARE TO BE MADE ONLY BY AUTHORIZED FEDERAL, PROVINCIAL AND MUNICIPAL GOVERNMENT OFFICIALS AND BY COMMERCIAL PEST CONTROL OPERATORS. CONSULT PROVINCIAL PESTICIDE REGULATORY AUTHORITIES ABOUT USE PERMITS WHICH MAY BE REQUIRED.

PRECAUTIONS

Operator Precautions:

Do not allow the pilot to load chemicals unless provided in a closed system. It is desirable that the pilot has communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear Personal Protective Equipment as outlined under PRECAUTIONS on this label during mixing/loading, cleanup and repair. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Use Precautions:

EXERCISE EXTREME CAUTION DURING THE AERIAL APPLICATION OF ANY PESTICIDE: Apply only when conditions at the treatment site allow for complete and even coverage and on-target deposition of the product. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides*.

RECOMMENDED APPLICATIONS

INSECT	DOSAGE Propoxur Liquid Concentrate Insecticide	REMARKS
Ants Cockroaches Earwigs Fleas Millipedes Saw-toothed grain beetle (exposed stage) Ticks	65 mL	Mix specified dosage in 1 litre of water* (1.1% concentration). Apply as a residual spray or with a paint brush to baseboards, cracks, crevices, and other places where insects may hide. Also apply to adjacent exposed surfaces where insects may crawl when they come out of hiding. To obtain thorough coverage, apply to the point of run-off. Applications may be made to floor surfaces along baseboards and around air ducts, however, do not treat entire area of floors or floor coverings. Do not allow children to contact treated surfaces until surfaces are completely dry. Repeat as necessary. Do not treat or contaminate food, feed, drink, dishes, utensils, food storage areas, and food preparation surfaces with this product. CAUTION: Do not treat plants (lawns, flowering plants, shrubs, trees, etc.) with this concentration.
Flies	65 mL	Mix specified dosage in 1 litre of water* (1.1% concentration). Apply as a residual spray or with a paint brush to surfaces of buildings, porches, screen doors, window frames, and garages where flies congregate. To obtain thorough coverage, apply to the point of run-off. Repeat as necessary. CAUTION: Do not treat plants (lawns, flowering plants, shrubs, trees, etc.) with this concentration.
Hornets Wasps	65 mL	Mix specified dosage in 1 litre of water* (1.1% concentration). Apply as coarse droplet spray directly to the nest after dark when all of the insects have returned to the nest. To obtain thorough coverage apply to point of run-off. Repeat as necessary. CAUTION: Do not treat plants (lawns, flowering plants, shrubs, trees, etc.) with this concentration.
Punkies (<i>Culicoides</i> spp.)	250 mL	Mix specified dosage in 1 litre of water* (4.5% concentration). Apply with a paint brush to outside surfaces of window screens or other screened areas. Thorough coverage is necessary for maximum control. Repeat as necessary. CAUTION: Do not treat plants (lawns, flowering plants, shrubs, trees, etc.) with this concentration.

RECOMMENDED APPLICATIONS (Continued)

INSECT	DOSAGE Propoxur Liquid Concentrate Insecticide	REMARKS
Mosquitoes (Outdoor)	65 mL	RESIDUAL SPRAY: Mix specified dosage in 1 litre of water* (1.1% concentration). Apply to outside surfaces of buildings, porches, screen doors, window frames, and garages. To obtain thorough coverage, apply to point of run-off. Repeat as necessary. CAUTION: Do not treat plants (lawns, flowering plants, shrubs, trees, etc.) with this concentration.
	325 to 450 mL/hectare	GROUND MIST SPRAY: Apply specified dosage (59 to 81 g active) per hectare. For mist-blower machines calibrated to deliver 450 L per hour travelling at a speed of 8 km/hr to cover a swath width of up to 100 m, use 26 to 36 L of Propoxur Liquid Concentrate Insecticide per 450 L of water* to treat 80 hectares. Avoid contamination of animal feeding areas, such as pastures and other foraging areas. Do not contaminate water supplies, streams, lakes, or ponds.
	325 to 450 mL/hectare	CONVENTIONAL AIRCRAFT APPLICATION: Apply specified dosage (59 to 81 g active) per hectare in 5.5 to 11 L of water for application in conventional aircraft spray equipment. Avoid contamination of animal feeding areas, such as pastures, and other foraging areas. Do not contaminate water supplies, streams, lakes, or ponds. NOTE: Due to high volatility of the solvents in Propoxur Liquid Concentrate Insecticide, it is necessary to add the formulation directly to the aircraft spray tank and mix well with water. Do not premix in nurse tanks. Aircraft tanks must be closed after mixing to prevent solvent evaporation which would result in crystallization of the active ingredient. Prepared spray should not be held in tank longer than 2 to 3 hours.

* The use of this material in water at 5°C, or below, will result in crystallization in the spray tank. Do not use in oil. Do not allow spray mixture to stand over-night in the spray tank.

MIXING CHART:

Concentration of Propoxur Liquid Concentrate Insecticide Required	Volume of Propoxur Liquid Concentrate Insecticide to add to:		
	1 Litre	10 Litres	50 Litres
1.1%	65 mL	650 mL	3.25 L
4.5%	250 mL	2.5 L	12.5 L

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Propoxur Liquid Concentrate Insecticide contains a Group 1A insecticide. Any insect population may contain individuals naturally resistant to Propoxur Liquid Concentrate Insecticide and other Group 1A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual

chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Propoxur Liquid Concentrate Insecticide or other Group 1A insecticides with different groups that control the same pests in the field.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors 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 Bayer CropScience Inc. at 1-888-283-6847 or via the internet at www.bayercropscience.ca.

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This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.