



# PERM-X UL 30-30

For use only by Federal, state, tribal or local government officials responsible for public health and vector control, or by persons certified by the state or tribal lead pesticide regulatory agency to perform adult mosquito control application, or by persons under their direct supervision.

PERM-X UL 30-30 is a Quick Knockdown, Low Odor, Non-Corrosive, Synergized, Synthetic, Pyrethroid for use in the control of Outdoor Flying Insects, as; Adult Mosquitoes, Biting and Non-Biting Midges, Black Flies, Gnats, Cluster Flies, and House Flies in Residential, Municipal, Recreational, and non-crop Waste Areas.

### ACTIVE INGREDIENTS:

Permethrin CAS [52645-53-1].....	30.0%
Piperonyl Butoxide Technical CAS [51-03-6].....	30.0%

OTHER INGREDIENTS*.....	40.0%
Total:	100.00%

\*Contains Petroleum Distillate; Contains 2.51 lbs. a.i. Permethrin/gallon and 2.51 lbs a.i. Piperonyl Butoxide/gallon.

PRENTOX® - Registered Trademark of Prentiss Incorporated

PERM-X™ - Trademark of Prentiss Incorporated

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail)

### FIRST AID

**IF SWALLOWED:** Immediately call a Poison Control Center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**IMPORTANT:** Have this product container or label with you when calling a poison control center or doctor or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

**NOTE TO PHYSICIAN:** Contains Petroleum Distillates - vomiting may cause aspiration pneumonia.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through the skin, or inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. Runoff from treated areas or deposition or spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Do not apply over bodies of water (lakes, rivers, permanent streams, natural, ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

**Bee Warning:** This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis or documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or the tribe during a natural disaster recovery effort.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

**NOTICE:** Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

EPA Reg. No 655-811

3/07

EPA Est. No. 655-GA-1

Manufactured by:

# PRENTISS INCORPORATED

Office: C.B. 2000, Floral Park, NY 11002-2000

Plant: Kaolin Road, Sandersville, GA 31082



## DIRECTIONS FOR USE

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

### GENERAL

Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if permits or other regulatory requirements exist.

Apply this product at temperatures greater than 50°F and when wind speed equals or exceeds 1 mph.

Do not spray this product on or allow it to drift onto pastureland, rangeland, cropland or potable water supplies. In the treatment of corrals, feedlots, animal confinements/houses, swine lots, poultry ranges, and zoos, cover any exposed drinking water, drinking water fountains and animal feed before application.

### HOW TO APPLY

For proper ground application mount the fog applicator so that the nozzle is at least 4 1/2 feet above ground level and directed out the back of the vehicle. May be applied at speeds of 5 m.p.h. up to 20 m.p.h. Failure to follow these label directions may result in reduced effectiveness. For "Aerial Application" refer to the Aerial Application section on this label. PERM-X UL 30-30 may be used as is, or diluted with a suitable solvent, i.e. a 60 to 100 second viscosity mineral oil and applied at a rate not to exceed 0.9636 fl. oz. of PERM-X U. 30-30 per acre. Both aerial and ground applications should be made when the wind is less than 10 m.p.h. For exact rates see the "UNDILUTED" or the "DILUTION" Rates charts on this label. PERM-X UL 30-30 is recommended for application as an Ultra Low Volume (U.L.V.) Thermal or Non-thermal aerosol (cold fog) to control adult mosquitoes, and other insects as listed on this label, in residential and recreational areas where these insect pests become a problem, such as, parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, and non-crop waste areas. FOR BEST RESULTS treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog close to the ground. e.g. cool temperatures and wind speeds not greater than 10 m.p.h. Applications during the cool hours of night or early morning are usually preferable. Repeat treatment when recommended by Public Health officials, or mosquito Abatement Districts. Do not treat a site with more than 0.007 lbs. permethrin per acre in a 24-hour period. Do not apply more than 0.18 lbs. of permethrin per acre per year to any site. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

**Ground-Based Application:** Spray equipment must be adjusted so the volume median diameter is less than 30 microns (Dv 0.5 < 30 µm) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 µm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using laser based equipment to produce acceptable droplet spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

**Aerial Application:** Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 µm) and that 90% of the spray is contained in droplets smaller than 100 microns (Dv 0.9 < 100 µm). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

### THERMAL AEROSOL FOGGING

Refer to the DILUTION RATES tables for fogging applications. Droplet size of thermal "fog" will be very small usually in the 0.5 to 1.0 micron range.

**TRUNK MOUNTED-** Apply PERM-X UL 30-30 diluted or undiluted with Suitable Thermal Fogging equipment. If diluted use a 60 to 100 second viscosity mineral oil, or another suitable non-phytotoxic diluent, to reduce oil requirement and sludge buildup in equipment. Do not exceed the maximum 0.0185 lb. a.i. Permethrin per acre rate. May be applied at speeds of 5 m.p.h. up to 20 m.p.h. For use with HAND CARRIED and/or LAWN MOWER FOGGERS, use the same rates of A.I. per acre with a 50 foot swath width at a walking speed of 2 m.p.h. Do not wet plant foliage. Do not fog when wind conditions exceed 10 miles per hour. Only use clean, well maintained, and properly calibrated equipment, known to give excellent performance. Fog down wind. Apply PERM-X UL 30-30 at 0.00175 lb. to 0.0185 lb. of a.i. Permethrin/a.i. Piperonyl Butoxide per acre.

### USE AS AN INSECT BARRIER

#### AS AN INSECT BARRIER - USE A "BACKPACK" FOG-TYPE MIST BLOWER

For use in Non-Thermal ULV, motorized, portable, Backpack, Fog type Mist Blower equipment apply PERM-X UL 30-30 with equipment adjusted to deliver ULV particles of 50 to 100 volume median diameter. PERM-X UL 30-30 may be applied undiluted or diluted (see Application Rates tables section). If diluted use a 30 to 100 second viscosity mineral oil, or another, (if recommended) by Public Health Officials), suitable non-phytotoxic diluent. Use 0.00175 to .0185 pound Permethrin A.I. per acre at a 50 ft. (15.2 m) swath width, while walking at a speed of 2 m.p.h. (3.2 k.p.h.). Whether applied undiluted or diluted, or at a different speed, make sure that the same amount of Permethrin a.i. - Piperonyl Butoxide a.i. is applied/acre. When this product is applied as a barrier treatment, do not apply within 100 feet (30 meters) of lakes and streams.

### DIRECTIONS FOR AERIAL APPLICATION

Use aircraft specially equipped and capable of applying Ultra-Low Volumes of PERM-X UL 30-30 according to the rate chart on this label. Applications can be made diluted or undiluted but cannot exceed the recommended rates of 0.007 lbs. permethrin per acre and 0.007 lbs. piperonyl butoxide per acre, equivalent to 0.3646 fl. oz. of undiluted PERM-X UL 30-30 per acre. Applications should be made at an altitude of 100 to 300 feet. Apply at airspeed sufficient to deliver the appropriate amount of active ingredient per acre. A forward speed of 150 m.p.h. achieving an swath width of 500 feet is recommended. The minimum height (from the ground) for aerial application of this product is 100 feet. For best results, treat when insects are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground. In order to compensate for windy conditions and ensure drift onto the target area aerial application with aircraft equipped with Global Positioning Systems (GPS) is recommended.

**PROHIBITION OF AERIAL USE IN FLORIDA:** Not for aerial use in Florida UNLESS specifically authorized by the Bureau of Entomology and Pest Control, Florida Department of Agriculture and Consumer Services.

### ULV NON-THERMAL AEROSOL (COLD FOG) APPLICATION

To control adult mosquitoes, flies, and gnats (blackflies) apply PERM-X UL 30-30 using trunk mounted ground ULV (cold fog) equipment with a swath width of 300 feet in areas such as residential, recreational, industrial areas. For best results, apply when insects are most active and conditions are conducive to keeping the fog close to the ground. Apply the undiluted product at flow rates of 0.5472 to 2.1816 fluid oz. per minute at a truck speed of 10 m.p.h. These rates are equivalent to 0.00175 to 0.007 pounds of permethrin a.i. and 0.00175 to 0.007 pounds of piperonyl butoxide a.i. per acre. If a different vehicle speed is used, adjust the flow rate accordingly. An accurate flow control system must be used to ensure proper flow rate. Use of the maximum flow rates and application rates listed on this label is recommended to treat heavy vegetation or when target insect populations are high. Do not exceed the highest flow rates recommended by the manufacturer. PERM-X UL 30-30 may also be applied by diluting with 60-100 second mineral oil or another suitable solvent, applied so as not to exceed 0.007 lbs. a.i. per acre using a swath width of 300 feet for calculation. Refer to the rates chart for suggested rates for diluted use. PERM-X UL 30-30 may be used to treat outdoor aggregation and harborage sites including storm drains, underground drainage pipes, and pipe chases.

CONDITIONS AND RATES TO USE PERM-X UL 30-30 UNDILUTED						
Pounds per Acre		Application Rates				Fl. Oz. Of PERM-X UL 30-30 Per Acre
Permethrin	PBO	Fluid Oz. Per Minute at M.P.H.				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.01850	0.01850	2.8908	5.7816	8.6724	11.5632	0.9636
0.00700	0.00700	1.0938	2.1876	3.2814	4.3752	0.3646
0.00350	0.00350	0.5468	1.0938	1.6507	2.1876	0.1823
0.00175	0.00175	0.2736	0.5472	0.8208	1.0944	0.0912
DILUTION RATES FOR PERM-X UL 30-30						
FOR A 1:4 DILUTION						
Mix 1 part PERM-X UL 30-30 With 4 Parts Suitable Mineral Oil: Apply as follows:						
Pounds A.I. Per Acre		Application Rates				Fl. Oz. Finished Spray Per Acre
Permethrin	PBO	Fl. Oz. Per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	5.3847	10.7694	16.1514	21.5388	1.7949
0.00350	0.00350	2.6925	5.3850	8.0775	10.7700	0.8975
0.00175	0.00175	1.3464	2.6928	4.0932	5.3856	0.4488
FOR A 1:8 DILUTION						
Mix 1 part PERM-X UL 30-30 With 8 Parts Suitable Mineral Oil: Apply as follows:						
Pounds A.I. Per Acre		Application Rates				Fl. Oz. Finished Spray Per Acre
Permethrin	PBO	Fl. Oz. Per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	9.5457	19.0914	28.6371	38.1828	3.1819
0.00350	0.00350	4.7727	9.5454	14.3181	19.0908	1.5909
0.00175	0.00175	2.3862	4.7730	7.1595	9.5460	0.7955
FOR A 1:2 DILUTION						
Mix 1 part PERM-X UL 30-30 With 2 Parts Suitable Mineral Oil: Apply as follows:						
Pounds A.I. Per Acre		Application Rates				Fl. Oz. Finished Spray Per Acre
Permethrin	PBO	Fl. Oz. Per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	3.2814	6.5628	9.8442	13.1256	1.0938
0.00350	0.00350	1.6407	3.2814	4.9221	6.5628	0.5469
0.00175	0.00175	0.8205	1.6410	2.4615	3.2820	0.2735

### STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE AND SPILL PROCEDURES:** Store upright at room temperatures. Do not expose to extreme temperatures. In case of spill or leakage, ventilate the area, wear chemical resistant gloves, and footwear. Retrieve and filter the liquid in some manner and use as directed on this label, or "soak-up" the liquid with absorbent material such as sawdust, soil, fuller's earth, or, etc. Dispose of the resulting chemical waste as follows. **PESTICIDE DISPOSAL:** Wastes resulting from a spill or the use of this product may be disposed of on site, or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Metal Containers - Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic Containers - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke. Then dispose of in a sanitary landfill or by other approved State and local procedures.