Perm-X™ *UL 31-66*

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

CONTROLS: Adult Mosquitoes, Biting and Non-biting Midges, Black Flies and other outdoor flying insects as listed on this label which cause public health annoyance in residential, municipal, and recreational areas

FOR USE AS A: ULV thermal or non-thermal aerosol using ground or aerial equipment in areas including: residential, recreational areas, parks, campsites, woodlands, athletic fields, golf courses, municipalities, gardens, playgrounds, and non-crop waste areas and over listed growing crops and range grasses prior to harvest for the control of adult mosquitoes and biting flies within or adjacent to these areas.

Refer to label for additional use sites.

ACTIVE INGREDIENTS

 Permethrin (CAS# 52645-53-1)
 31%

 Piperonyl Butoxide (CAS# 51-03-6)
 66%

 OTHER INGREDIENTS:
 3%

 TOTAL:
 100%

 Contains 2.8025 lb. A.I. Permethrin plus 5.9668 lbs. A.I. Piperonyl Butoxide per gallon.

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 explicado ampliamente.

(If you do not understand the label, find someone to explain it to you in detail).

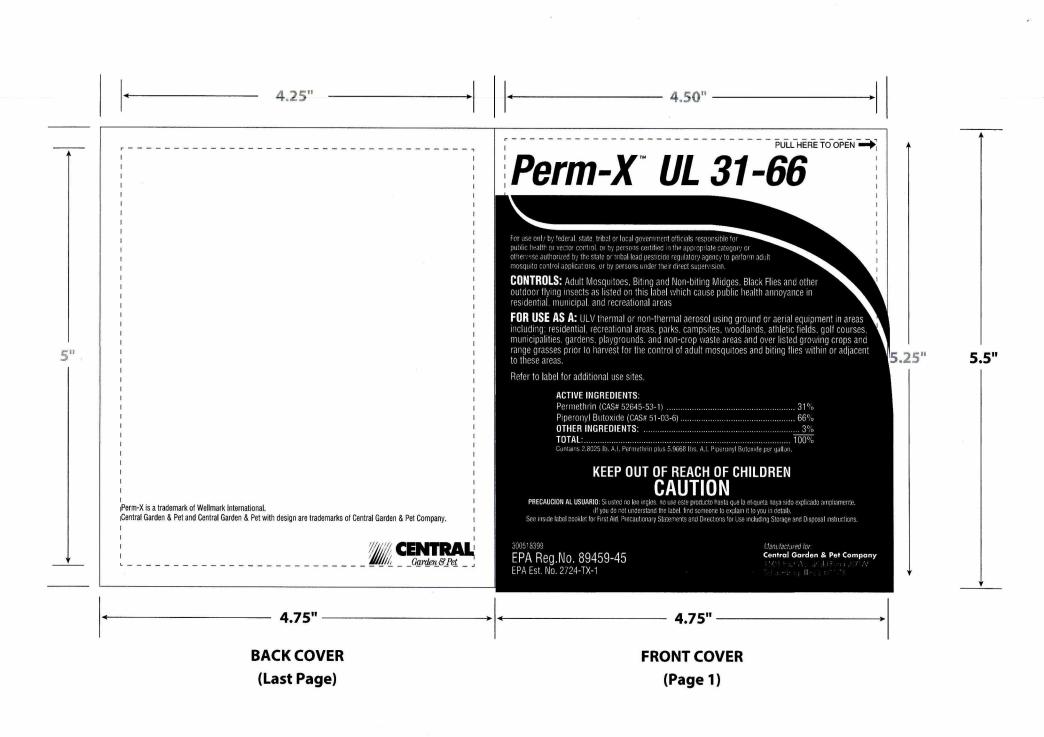
See inside label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.

3005183

EPA Reg.No. 89459-45 EPA Est. No. 2724-TX-1

NET CONTENTS: 1 GAL





(Even Pages)

(Odd Pages)

4.75" -

THERMAL FOGGING: Apply PERM-XTM UL 31-66 diluted or by suitable Thermal Foggers mounted on trucks. 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. May be applied at truck speeds of 5 to 20 mph but do not exceed the maximum active ingredient application rates. For use with Hand Carried and/or Lawn Mower thermal foggers, adjust the sprayer to apply the desired a.i. per acre based on a 50 foot swath and walking speed of 2 mph. Do not fog to wet foliage. Thermal fogging applications of PERM-XTM UL 31-66 can be made to deliver 0.00175 to 0.007 lb of permethrin a.i. per acre and 0.00175 to 0.01490 piperonyl butoxide per acre.

USE AS AN INSECT BARRIER TREATMENT: For use in non-Thermal ULV, motorized, portable, backpack, and fog type mist blower equipment, apply PERM-X™ UL 31-66 with equipment adjusted to deliver ULV isize droplets with a volume median diameter of 50−100 microns. PERM-X™ UL 31-66 may be applied undiluted or diluted (see application rates tables section). If diluted, use a 30 to 100 second mineral oil, or another, (if recommended by Public Health Officials), suitable non-phytotoxic diluent. Use 0.00175 pounds permethrin a.i. per acre at a 50 ft. (15.2 m) swath width, while walking at a speed of 2 mph (3.2 kph). Whether applied undiluted or diluted, or at a different speed, make sure that the same amount, of permethrin a.i. is applied per acre.

**AERIAL APPLICATION

Make Ultra-Low Volume aerial applications of PERM-X™ UL 31-66 according to the application rate table on this label. Application should be made by suitable aerial ULV equipment at an altitude ranging from 120-175 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 aircraft equipped with rotary nozzles, apply at sufficient airspeed to deliver the appropriate amount of PERM-X™ UL 31-66 a.i. per acre. Do not exceed 0.007 lbs. permethrin a.i. and 0.01490 lbs. piperonyl butoxide per acre. Do not apply greater than 0.3197 ifluid oz. of undiluted PERM-X™ UL 31-66 per acre as listed in the rates chart.

PROHIBITION ON AERIAL USE IN FLORIDA: Not for aerial application in the State of Florida unless specifically authorized by the Florida Bureau of Entomology and the Florida Department of Agriculture and Consumer Services.

PERM-X™ UL 31-66 HOW TO APPLY AND WHEN TO USE

	CONDI	TONS AND RA	ATES TO USE	PERM-XTM U	L 31-66 UNE	ILUTED
Pounds of A.	ounds of A.I. per Acre		Applicati per Minute	Fl. Oz. of Perm-X™ UL 31-66 per Acre		
Permethrin	PB0	5 mph	10 mph	15 mph	20 mph	1000
0.00700	0.01490	0.9591	1.9183	2.8773	3.8364	0.3197
0.00350	0.00750	0.4797	0.9054	1.4391	1.9188	0.1599
0.00175	0.00380	0.2398	0.4794	0.7191	0.9588	0.0799

DILUTION RATES FOR PERM-XTM UL 31-66

FOR A 1:4 DILUTIO

Mix 1 part PERM-X™ UL 31-66 with 4 parts Suitable Mineral Oil:

Apply as follows:

Pounds of A.I. per Acre		Application Rates Fl. Oz. per Minute at Vehicle Speeds				Fl. Oz. Finished Spray per Acre	
Permethrin	PB0	5 mph	10 mph	15 mph	20 mph		_
0.00700	0.01490	4.4727	9.5454	14.3181	19.0908	1.5909	_
0.00350	0.00750	2.3865	4.7730	7.1595	9.5460	0.7955	Ξ
0.00175	0.00380	1.1934	2.3868	3.5803	4.7736	0.3978	

FOR A 1:8 DILUTION
|
Mix 1 part PERM-XTM UL 31-66 with 8 parts Suitable Mineral Oil:

Apply as follows:

Pounds of A.I. per Acre		Application Rates Fl. Oz. per Minute at Vehicle Speeds				Fl. Oz. Finished Spray per Acre	
Permethrin	PB0	5 mph	10 mph	15 mph	20 mph		_
0.00700	0.01490	8.4000	16.8000	25.2000	33.6000	2.8000	_
0.00350	0.00750	4.2000	6.4000	12.6000	16.8000	1.4000	_
0.00175	0.00380	2.1000	4.2000	6.3000	8.4000	0.7000	

FOR A 1:2 DILUTION

Mix 1 part PERM-X™ UL 31-66 with 2 parts Suitable Mineral Oil:

Apply as follows:

Pounds of A.I. per Acre		Application Rates Fl. Oz. per Minute at Vehicle Speeds				Fl. Oz. Finished Spray per Acre
Permethrin	PB0	5 mph	10 mph	15 mph	20 mph	
0.00700	0.01490	2.8767	5.7534	8.6302	11.5068	0.9589
0.00350	0.00750	1.4385	2.8770	4.3255	5.7540	1.4795
0.00175	0.00380	0.7184	1.4388	2.1582	2.8770	0.2398

For proper ground application, mount the fog applicator so that the nozzle is at least 4 ½ feet above ground level and directed out the back of the vehicle. May be applied at speeds of 5 mph up to 20 mph. Failure to follow these label directions may result in reduced effectiveness. For **Aerial Application, refer to the **Aerial Application section on this label. PERM-XM UL 31-66 may be used as is, or diluted with, a suitable solvent such as a 60 to 100 second viscosity mineral oil and applied at a rate not to exceed, 0.3197 fl. oz. of PERM-XM UL 31-66 per acre. Both aerial and ground applications should be made when, the wind is less than 10 mph. For exact rates, see the "UNDILUTED" or the "DILUTION" Rates charts on this label.

4.75"

4.75"

(Even Pages)

(Odd Pages)

5.5"

5,25"

5.5"

Perm-X" UL 31-66

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Storage and Disposal instructions.

300518399

EPA Reg.No. 89459-45 EPA Est. No. 2724-TX-1 Manufactured for:

Central Garden & Pet Company

1501 East Woodfield Road 200W | Schaumburg, Illinois 60173

5.5"

BASE TEXT

(Underneath Booklet)