

Ms. Norma C. Pangilinan
Bayer Environmental Science
95 Chestnut Ridge Road
Montvale, NJ 07645

NOV 18 2003

Dear Ms. Pangilinan:

Subject: Amendment - efficacy comments
Omen 30-30
EPA Registration No. 432-1235
Your submission dated July 18, 2003

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change.
 - a. On page three replace "As a general rule... 50-95 degrees F" with "Aerial application shall only be made when the surface temperature exceeds 50 degrees and does not exceed 95 degrees F".
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Sincerely,

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Enclosure

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OMEN 30-30 ULV

FOR APPLICATION ONLY BY PUBLIC HEALTH OFFICIALS AND TRAINED PERSONNEL OF MOSQUITO ABATEMENT DISTRICTS AND OTHER MOSQUITO CONTROL PROGRAMS

- * **CONTAINS A QUICK KNOCKDOWN, LOW ODOR, NON-CORROSIVE SYNERGIZED SYNTHETIC PYRETHROID**
- * **FOR CONTROL OF ADULT MOSQUITOES IN RESIDENTIAL AND RECREATIONAL AREAS**
- * **FOR USE AGAINST BITING AND NON-BITING MIDGES AND BLACK FLIES**
- * **CONTAINS 2.5 LBS. A.I. PERMETHRIN/GALLON**
- * **CONTAINS 2.5 LBS. A.I. PIPERONYL BUTOXIDE/GALLON**

ACTIVE INGREDIENTS:

Permethrin (3-Phenoxyphenyl)methyl (+/-) Cis/trans-3-(2,2-dichloroethyl)-2, 2-dimethyl cyclopropanecarboxylate*	30.0%
Piperonyl Butoxide Technical**	30.0%
INERT INGREDIENTS†	40.0%
TOTAL:	100.0%

*cis/trans isomer ratio: min. 35%(+/-) cis and max. 65% (+/-) trans.

**Equivalent to min. 24.0% (butylcarbityl (6-propylpiperonyl) ether and 6.0% related compounds.

† Contains Petroleum Distillate

EPA Reg. No. 432-1235

EPA Est. No. 432-TX-1

**SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
KEEP OUT OF REACH OF CHILDREN
CAUTION**

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

First Aid	
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> 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. Call a poison control center or doctor for treatment advice.
IF ON SKIN:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note to Physician: May pose an aspiration pneumonia hazard. Contains petroleum distillate.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-334-7577 for emergency medical treatment information.

In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-334-7577.

Net Contents: 1 Gallon, 5 Gallons, 30 Gallons or 275 Gallons

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV 18 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

432-1235

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION.

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

Environmental Hazards

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated sites may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. 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 actively visiting the treatment area. Do not apply when ground wind speeds exceed 10 mph.

Physical And Chemical Hazards

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

STORAGE AND DISPOSAL

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

Storage: Store product in its original container in a cool, dry, locked place designated for such insecticides and out of reach of children. Avoid exposure to extreme temperatures. In case of spillage, soak up with absorbent material such as sawdust, or fullers earth, sweep up and place in a labeled container and dispose of as follows:

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: (Metal) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved State and Local procedures. (Plastic) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **Applications shall only be made when recommended by public health officials and trained personnel of mosquito abatement districts and/or other mosquito control programs.**

OMEN 30-30 is recommended for application as a thermal aerosol and an Ultra Low Volume (U.L.V.) nonthermal aerosol (Cold Fog) to control adult mosquitoes in residential and recreational areas where these insects are a problem; such as but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, recreational areas and overgrown waste areas. Do not apply this product within 100 feet (30 meters) of lakes and streams. Do not allow spray treatment to drift on to pastureland, cropland, poultry ranges, or water supplies. For best results, treat when mosquitoes 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 mph. Application during the cool hours of night or early morning is usually preferable. Repeat treatment when recommended by Public Health Officials or Mosquito Abatement Districts.

Aerosol droplet size of an Omen 30-30 application may be determined using generally acceptable methods such as but not limited to A.I.M.S.; PC-DC-III; and Teflon® coated glass slides. When droplet sizing using either an AIMS or PC-DCIII, the machine should be adjusted to the oil setting. 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. If using Teflon coated slides a spread factor of 0.61 should be used to correct droplet diameters.

As a general rule all types of applications shall be conducted at temperatures between 50-95°F. Do not exceed maximum application rate of 0.007 lbs active ingredient per acre.

GROUND APPLICATION

THERMAL AEROSOL FOGGING

Refer to dilution table below.

TRUCK MOUNTED: Apply OMEN 30-30 using thermal fogging equipment. Dilute with a mineral oil (such as BVA13 mineral oil) or another suitable non-phytotoxic, highly refined base oil diluent. Diluents should have a flash point minimum of 168 F (76 C), an API gravity minimum of 32 @ 60 F (15 C) and their density should be from 7.0 to 7.25 lbs/gal @ 60 F (15 C). Do not exceed the maximum rate. May be applied at speeds of 5 mph up to 15 mph with variable flow systems. For use with hand carried foggers, apply at rates up to but not exceeding 0.007 lbs. A.I. per acre. Do not wet foliage since certain oil base formulations may be phytotoxic. Do not fog when wind conditions exceed 5 mph. Use a well-maintained and properly calibrated fogger. Fog downwind. Apply OMEN 30-30 to deliver up to but not exceeding 0.007lbs. permethrin per acre and up to but not exceeding 0.007 lbs piperonyl butoxide per acre.

ULV NON-THERMAL AEROSOL (COLD FOG)

To control *Mosquitoes, Midges* and *Blackflies* apply OMEN 30-30 using standard U.L.V. ground equipment or portable backpack sprayer. For vehicle-mounted non-thermal ULV equipment, base the acreage calculation on a swath width of 300-ft. If Teflon slides are used, 84% or greater of the spray droplets shall be no more than 25 microns. No more than 3% of the spray droplets shall exceed 50 microns. The VMD shall be between 8 to 30 microns. If this product is applied undiluted at a flow rate of 1 fluid ounce per minute and a vehicle speed of 10 mph; the rate is equivalent to 0.0035 pounds Permethrin and 0.0035 pounds Piperonyl Butoxide per acre. If a different vehicle speed is used, adjust accordingly (see Dilution Table below). Vary flow rate according to vegetation density and mosquito population. Use the higher flow rate in heavy vegetation or when populations are high. Calibrate equipment to ensure the proper flow rate. OMEN 30-30 may also be applied by diluting with a suitable solvent such as mineral oil and by applying so as not to exceed the maximum rate of 0.007 pounds of active ingredient per acre. The following table presents sample dilutions and per acre rates for ground ULV applications. If an alternate dilution rate is used, adjust the flow rate accordingly.

DILUTION TABLE*							
GROUND ULV (300' swath width)							
Application Rate (lbs Permethrin/A)	Vehicle Speed (MPH)	Undiluted		Diluted 1:4		Diluted 1:8	
		Flow Rate (Fl. oz/min)	Fl. oz /A	Flow Rate (Fl. oz/min)	Fl. oz /A	Flow Rate (Fl. oz/min)	Fl. oz /A
0.0015	5	0.23		1.15		2.07	
	10	0.47	0.08	2.35	0.39	4.23	0.70
	15	0.70		3.50		6.30	
0.0035	5	0.54		2.70		4.86	
	10	1.09	0.18	5.45	0.90	9.81	1.62
	15	1.63		8.15		14.67	
0.007	5	1.08		5.40		9.72	
	10	2.18	0.36	10.9	1.80	19.62	3.24
	15	3.26		16.3		29.34	

* If an alternate dilution rate is used adjust the flow rate accordingly.

AS A BARRIER SPRAY USE A "BACKPACK" UNIT

OMEN 30-30 may be applied as is, undiluted or diluted using a mineral oil or other suitable non-phytotoxic diluent. For use in non-thermal ULV portable backpack equipment, apply OMEN 30-30 with apparatus adjusted to deliver a light mist to the targeted surface. Use 0.1 lb. A.I./acre and a 50 ft. (15.2 m) swath while walking at a speed of 2 mph (3.2 Kph). Whether applied undiluted or diluted ensure that not more than (0.1 lb) is applied per acre.

AERIAL APPLICATION

OMEN 30-30 may be applied either diluted or undiluted at rates of 0.0035 lbs to 0.007 pounds Permethrin-PBO/acre by fixed wing or rotary aircraft capable of making a ULV application. For aerial applications of OMEN 30-30 use ULV equipment and nozzles such as rotary atomizers or similar types that produce droplet VMD's less than 60 microns. Aerial application of OMEN 30-30 should be made at an altitude of 100-300 feet. Do not apply when ground wind speed exceeds 10 MPH. Applications shall only be made when recommended by public health officials and trained personnel of mosquito abatement districts and other mosquito control programs. Applications shall be made when temperatures are between 50 °F and 95°F.

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.

Always clean equipment after use to ensure against contamination.

IN FLORIDA: Do not apply by aircraft except in emergency situations and with the approval of the Florida Department of Agriculture and Consumer Services.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer Environmental Science. All such risks shall be assumed by the user or buyer.

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