



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Sent by CERTIFIED MAIL

Mr. H.R. McLane
Agent for Gil Manufacturing, Inc.
7210 Red Road, Suite 206A
Miami, Florida 33143

MAR 22 2007

Dear Mr. McLane,

Subject: Agency Initiated Action – PR Notice 2005-1 Product Labeling
Omego Mist ULV
EPA Reg. No. 11930-1
Application dated November 6, 2006

The labeling referred to above, submitted in connection with registration under the Federal, Insecticide, Fungicide and Rodenticide Act, is acceptable provided you make the following changes before releasing product bearing the amended labeling for shipment. For additional guidance, I attached a copy of Gil Manufacturing product labeling for EPA Reg. No. 11930-5.

1. Page 1

- a. Main Heading. Delete: "For application only by Public Health Officials, and Trained and Qualified Personnel of Mosquito Abatement Districts and Other Mosquito Control Personnel." Replace this language with Recommendation 1 from PR Notice 2005-1 as follows:

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

- b. Remove the phrase "All-Temperature" from the label. State a minimum temperature for application of this product to control the listed pests. EPA recommends 50⁰ F as the minimum temperature for application.

- c. FIRST AID Statement. Revise the "Note to Physician" as prescribed in the EPA Label Review Manual (LRM) to read: "*Contains Petroleum Distillate. Vomiting may cause aspiration pneumonia.*"
- d. Environmental Hazards. Revise this section to read exactly as it appears in Recommendation 3 and Recommendation 6 of PR Notice 2005-1.

"This product is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. Runoff from treated areas or deposition into bodies of water may be hazardous to fish and other aquatic organisms. 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 water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters."

"This product is toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to blooming crops or weeds when 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 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."

- e. Directions for Use (page 1). DELETE the statement "*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 water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.*" **Replace with Recommendation 4 from PR Notice 2005-1:**

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

2. Page 2.

- a. HOW to APPLY. (You may want to revise this section to read "How to Apply and When to Use" as stated on the label of EPA Reg. No. 11930-5 and move this heading before the Rates Chart.)
 - i. **DELETE** Recommendation 3. Recommendation 3 is to be included in the Environmental Hazard Statement only as described above in 1(d).
 - ii. Add the statement: "*Apply when temperatures are above 50° F and wind speed is equal to or is greater than 1 mph.*"
 - iii. Move the paragraph preceded by the word "**IMPORTANT**" on page 3 to the "**How to Apply**" section and revise as follows to include

Recommendation 7 from PR Notice 2005-1 and other use limiting language specific to permethrin mosquito adulticide applications:

“Do not re-treat a site more than once in 24 hours and no more than 2 applications should be made to any site in a 1 week period. Do not apply more than 0.185 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.”

iv. Move the section on page 3 under the heading entitled *“May Be Applied Over the Following Crops”* to the *“How to Apply”* section of the directions for use. Make the following changes to the listed crops: *“Lettuce”* should be changed to *“Lettuce, head”*, and *“Leafy vegetables”* should be changed to *“Leafy vegetables (except Brassica)”*. Retain the statement *“In the treatment of corrals, feed lots, swine lots, poultry ranges and zoos cover any exposed drinking water, drinking fountains and animal feed before application.”*

v. Add the heading *“GROUND APPLICATIONS”* before the heading *“ULV Non-Thermal Aerosol (cold fog)”*.

vi. ULV Non-Thermal Aerosol (cold fog) instructions. Revise this section. The first sentence should be changed from *“To control mosquitoes, midges, and blackflies apply OMEGO MIST ULV using any standard U.L.V. ground applicator capable of producing a non-thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median diameter (MMD) of 15 to 20 microns, (droplets should not exceed 50 microns and less than 5% of drops should be below 5 microns), with an application swath width of 300 feet.”* to read:

“To control mosquitoes, midges, and blackflies apply OMEGO MIST ULV using truck mounted ground ULV (cold fog) equipment.”

Delete the following: *“Silicon slides should be required for calibration. Droplet size of application may be determined using the following procedure, Droplet size should be sampled using Teflon coated glass slides; an adequate amount of air should be sampled by using, for example rod samplers. Other sampling techniques, such as AMES machine, may be used if authorized by local authorities. Slides are examined microscopically and the diameter of droplets measured in microns. Slides should be scanned until 100-200 droplets have been assessed. A spread factor of 0.61 should be used to correct droplet diameters. The largest droplet should not exceed 50 microns and less than 5% of the droplets should be below 5 microns. A 90% value of the droplets should be in the range of 5 to 30 microns in size.”*

Replace with PR Notice 2005-1 Recommendation 5: *“Spray equipment must be adjusted so*

the volume median diameter is less than 30 microns ($Dv\ 0.5 < 30\ \mu m$) and that 90% of the spray is contained in droplets smaller than 50 microns ($Dv\ 0.9 < 50\ \mu m$). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser based 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."

Delete the "NOTE" following the second paragraph at the bottom of page 2.

3. Page 3

a. Aerial Application: Make the following revisions to include **PR Notice 2005-1 Recommendation 5**.

i. **DELETE:** "Aerial applications with Ultra-Low Volumes of OMEGO MIST ULV applied according to the Rates Charts on this label, may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts, or other trained personnel engaged in outdoor Mosquito and flying insect control programs, when these insects threaten to become public health hazard." **REPLACE with**

"Make Ultra-Low Volume aerial applications of OMEGO MIST ULV according to the application rate table on this label. Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ($Dv\ 0.5 < 60\ \mu m$) and that 90% of the spray is contained in droplets smaller than 100 microns ($Dv\ 0.9 < 100\ \mu m$). 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."

(Note to H.R. McLane: The values stated above for aerial application are consistent with another Gil Manufacturing Product EPA Reg. No. 11930-5 (20% permethrin/20% PBO) but take into consideration the upper limit droplet values stated on the subject label.)

ii. In the second half of the same paragraph - **DELETE:** "Application should be made by suitable aerial U.L.V. equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns at an altitude of 120-175 feet depending on the terrain and weather conditions. The recommended airspeed for Fixed Wing aircraft with flat fan nozzles is from 120-160 mph. For rotary aircraft equipped with rotary nozzles, apply at sufficient airspeed to deliver the appropriate amount of OMEGO MIST ULV a.i. acre. Do not exceed 6.3637 fluid ounces per acre of OMEGO MIST ULV, which is

equal to 0.007 lbs. permethrin a.i. and 0.007 lbs. piperonyl butoxide a.i. per acre." **REPLACE with the following:**

"Application should be made by suitable aerial U.L.V. equipment at an altitude ranging from 120-175 feet depending on the terrain and weather conditions. The minimum spray boom height (from the ground) for application by fixed wing or rotary aircraft shall be 100 feet. The recommended airspeed for fixed wing aircraft with flat fan nozzles is from 120-160 mph. For aircraft equipped with rotary nozzles, apply at sufficient airspeed to deliver the appropriate amount of OMEGO MIST ULV a.i. acre. Do not exceed 0.007 lbs permethrin a.i./acre or 6.3637 undiluted fluid ounces per acre of OMEGO MIST ULV as listed in the Rates Chart on this label."

Retain the statements describing ***Prohibition on Aerial Use in Florida.***

b. Thermal Aerosol Fogging. Recommendation 5 from PR Notice 2005 applies to droplet size determination of all fogging types. Revise this paragraph to read as follows:

*"Apply Omego Mist ULV diluted or undiluted by suitable thermal foggers mounted on trucks. If diluted use a 60 to 100 second viscosity mineral oil, or another suitable non-phytoxic diluent, to reduce oil requirement and sludge buildup in equipment. May be applied at truck speeds from 5 m.p.h. to 20 m.p.h. but do not exceed the maximum active ingredient application rates. Spray equipment must be adjusted so the volume median diameter is less than 30 microns ($D_v 0.5 < 30 \mu m$) and that 90% of the spray is contained in droplets smaller than 50 microns ($D_v 0.9 < 50 \mu m$). 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. 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 feet swath and walking speed of 2 m.p.h. Do not fog to wet foliage. Thermal fogging applications of Omego Mist Mac can be made to deliver 0.001 lbs. to 0.007 lbs of permethrin a.i. per acre and 0.001 lbs. to 0.007 lbs. piperonyl butoxide a.i. per acre."*

c. Use as an Insect Barrier Treatment. In this paragraph change:

- Mass Median Diameter to *Volume Median Diameter.*

Add the following restriction for barrier treatments only:

"When this product is applied as a barrier treatment, do not apply within 100 feet (30 meters) of lakes and streams."

4. Submit child resistant packaging (CRP) for this product or agree in writing that the product will marketed in containers greater than five (5) gallons in size. The subject registration application listed one (1) gallon and 2 1/2 gallon container sizes. Your original registration, granted on August 6, 2002, listed container sizes of five (5) gallons or greater only. The one (1) gallon and 2 1/2 gallon container sizes cannot to be sold without submission of this certification to EPA from Gil

Manufacturing, Inc.

Please note that the availability of EPA's reregistration eligibility document (RED) for products containing permethrin was published in the Federal Register (FR) on June 28, 2006 (Vol.71 No.124 pg. 36788). The availability of the piperonyl butoxide RED was published in the FR on July 26, 2006 (Vol. 71, No. 143 pg. 42385). Additional data or labeling changes may be required for products containing permethrin and/or piperonyl butoxide.

A stamped copy of the label is enclosed for your records. Please submit 2 copies of the final printed label within 30 days of receipt of this letter and before releasing the product for shipment. If you any questions, please do not hesitate to contact Kevin Sweeney at (703) 305-5063. Thank you for your patience and cooperation in this matter.

Sincerely,

George LaRocca, PM 13
Registration Division 7505P
Insecticides Branch

Enclosure

OMEGO MIST™-ULV

For Application only by Public Health Officials, and or Trained and Qualified Personnel of Mosquito Abatement Districts and Other Mosquito Control Personnel.

This product is Ready-To-Use as an all temperature, Quick knockdown, Low odor, Non-corrosive, Synergized, synthetic Pyrethroid for control of 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. Do not allow spray to drift on pastureland, cropland, (except those Crops as listed), or potable water supplies.

EPA Reg. No. 11930-1 EPA Est. No. 11930-AL-1

ACTIVE INGREDIENTS:

Permethrin; [CAS 2645-53-1] - - - - - 2.0%

Piperonyl Butoxide Technical; [CAS 51-03-5] - - 2.0%

OTHER INGREDIENTS: - - - - - 96.0%

Total 100.0%

Contains 0.143 lb. A.I. Permethrin plus 0.143 lbs. A.I. Piperonyl Butoxide per Gallon.

* Contains a Petroleum Distillate Solvent

Ready-To-Use!

ACCEPTED with COMMENTS by EPA Registered

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 11930-1

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 deta l.)

FIRST AID

IF SWALLOWED - 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 by mouth to an unconscious person.

IF IN EYES - Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

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

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice. See below for additional Precautionary Statements

NOTE TO PHYSICIAN: *Solvent presents an aspiration hazard. Gastric lavage is indicated if material was taken internally. Vomiting may cause aspiration hazard.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Contains petroleum distillate. Harmful if swallowed, or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or the toilet. Prolonged or 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 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.

BEE WARNING: This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to blooming crops or weeds when 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 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.

PHYSICAL AND CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply to bodies of water, (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except to target areas where adult mosquitoes are present. Do not contaminate bodies of water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place designated for such insecticides and out of reach of children. Do not expose 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 wastes 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. (09-22-05)

Urban ULV Mosquito Control Applications:

For control of resting or flying adult mosquitoes, biting flies and biting midges in application sites of Residential, Municipal and Recreational areas such as: utility tunnels, sewers, storm drains and catch basins, pipe chases, underground basements, underground passages, parking decks, crawl spaces or underground buildings. This product may be applied using mechanical foggers, hand-held or truck mounted ULV equipment suitable for these applications. Apply at rates up to, but not exceeding, 0.007 lbs. active ingredient permethrin per acre. See Rates Charts.

LABEL REVIEW NOTE: This is Label copy to conform to PRN # 2005-1 Recommendation # 6 This NOTE will not appear on the finished label.

LABEL REVIEW NOTE: This is Label copy to conform to PRN # 2005-1 Recommendation # 3 This NOTE will not appear on the finished label.

Net contents 1Gal 2½ Gals. 5 Gals. 30 Gals. 55 Gals.

Gil Manufacturing, Inc. P.O. Box 230224 - Montgomery, AL 36123 U.S.A.

This product will not dilute with water.

LABEL COPY FOR SIDE OF CONTAINER
OMEGO MIST™ ULV
 EPA Reg. No. 11930-1 EPA Est. No. 11930-AL-1

RATES CHART FOR OMEGO MIST ULV USE, UNDILUTED.

CONDITIONS AND RATES TO USE OMEGO MIST ULV UNDILUTED FOR MOSQUITO CONTROL

Permethrin lbs. A.I. /Acre	PBO lbs. A.I. /Acre	Application Rates				Fluid Ounces and (milliliters) per acre
		Fluid Ounces per Minute at mph				
		5 mph	10 mph	15 mph	20 mph	
0.00700	0.00700	19.0911	38.1822	57.2733	76.3644	6.3637 (188.1969 ml)
0.00350	0.00350	9.5457	18.0914	28.637	138.1828	3.1819 (94.1000 ml)
0.00175	0.00175	4.7727	9.5454	14.3181	19.0908	1.5909 (47.0485 ml)
0.00100	0.00100	2.7273	5.4546	8.1819	10.9092	0.9091 (26.8853 ml)



FOR 1 to 1 DILUTION RATES FOR OMEGO MIST ULV

MIX 1 PART OMEGO MIST ULV WITH 1 PART OF A SUITABLE MINERAL OIL. APPLY AS FOLLOWS:

pounds a.i. /per acre PERMETHRIN	PBO	Application Rates				Fluid oz. finished spray per acre
		Fl. oz. per Minute at Vehicle Speeds				
		5 mph	10 mph	15 mph	20 mph	
0.00700	0.00700	35.0001	70.0002	105.0003	140.0004	11.6667
0.00350	0.00350	17.5002	35.0004	52.5006	70.0008	5.8334
0.00175	0.00175	8.7501	17.5002	26.2503	35.0004	2.9167
0.00100	0.00100	5.0001	10.0002	15.0003	20.0004	1.6667

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. OMEGO MIST ULV 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 6.3637 fl. oz. of OMEGO MIST ULV, 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 "FOR DILUTION" Rates charts on this label. OMEGO MIST ULV 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, but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, and non-crop waste areas. Do not apply to bodies of water, (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except to target areas where adult mosquitoes are present. 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 are 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.

LABEL REVIEW NOTE:
 This is Label copy to conform to PRN # 2005-1
Recommendation # 3
 This NOTE will not appear on the finished label.

ULV NON-THERMAL AEROSOL (COLD FOG)

To control Mosquitoes, Midges and Blackflies apply OMEGO MIST ULV using any standard U.L.V. ground applicator capable of producing a non-thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median diameter (MMD) of 15 to 20 microns, (droplets should not exceed 50 microns and less than 5% of drops should be below 5 microns), with an application swath width of 300 feet. Silicon slides should be required for calibration. Droplet size of application may be determined using the following procedure. Droplet size should be sampled using Teflon coated glass slides: An adequate amount of air should be sampled by using, for example, rotating rod samplers. Other sampling techniques, such as AMES machine, may be used if authorized by local authorities. Slides are examined microscopically and the diameter of droplets measured in microns. Slides should be scanned until 100 to 200 droplets have been assessed. A spread factor of 0.61 should be used to correct droplet diameters. The largest droplet should not exceed 50 microns and less than 5% of the droplets should be below 5 microns. A 90% value of the droplets should be in the range of 5 to 30 microns in size.

LABEL REVIEW NOTE:
 This Label copy was previously ACCEPTED and conforms to PRN # 2005-1
Recommendation # 4 & 5
 This NOTE will not appear on the finished label.

When applying this product undiluted, apply at a flow rate of 5.4546 to 38.1822 ounces per minute at an average vehicle speed of 10 M.P.H. These rates are equivalent to 0.001 to 0.007 pound of permethrin a.i. and 0.001 to 0.007 pound of piperonyl butoxide a.i. per acre. If a different vehicle speed is used, adjust the rate accordingly. Vary flow rates accordingly to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when insect populations are high. An accurate flow rate control system must be used to ensure proper flow rate. OMEGO MIST ULV may also be applied by diluting, 1 part to 1 part of a 60 to 100 second mineral oil or another suitable solvent, applied so as not to exceed the maximum a.i. rates per acre as shown in the rates charts. If an alternate dilution rate is required, adjust the flow rate accordingly, provided the droplet size and spectrum remain within label specifications. Do not exceed a flow rate of 20 oz. per minute unless recommended and required by equipment manufacturers and/or Public Health Officials for vehicle speeds of 10 to 20 m.p.h. and when the fogging equipment is capable of such higher rates of output per minute. (09-22-05)

LABEL REVIEW NOTE:
 This is Label copy to conform to PRN # 2005-1
Recommendation # 5
 This NOTE will not appear on the finished label.

NOTE: Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow are properly calibrated.

Gil Manufacturing, Inc.
 P.O. Box 230224 - Montgomery, AL 36123 U.S.A.

OMEGO MISTTM ULV

EPA Reg. No. 11930-1 EPA Est. No. 11930-AL-1

THERMAL AEROSOL FOGGING

TRUCK MOUNTED - Apply **OMEGO MIST ULV** diluted or undiluted with suitable Thermal Fogging equipment. Droplet size of thermal "fog" will range 0.1 to 1.0 micron. 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 rates. 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 fog to wet foliage. Do not fog when wind conditions exceed 10 miles per hour. Only use a clean, well maintained, and properly calibrated Fogger, known to give excellent performance. Fog Down wind. Apply **OMEGO MIST ULV** to deliver 0.0001 to 0.007 lb. of Permethrin a.i. and 0.001 to 0.007 lb. Piperonyl Butoxide a.i. per acre. **NOTE: Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow are properly calibrated.**

LABEL REVIEW NOTE:
This is label copy to conform to PRN # 2005-1
Recommendation # 5.
This NOTE will not appear on the finished label.

USE AS AN INSECT BARRIER TREATMENT

For use in Non-Thermal ULV, motorized, portable, Backpack, Fog type Mist Blower equipment apply **OMEGO MIST ULV** with equipment adjusted to deliver ULV particles of 50 to 100 microns mass median diameter. **OMEGO MIST ULV** may be applied undiluted or diluted (see Application Rates Charts on this label. If diluted use a 30 to 100 second viscosity mineral oil, or another, (if recommended by Public Health Officials), suitable non-phytotoxic diluent. Use 0.001 to 0.007 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, (0.001 to 0.007 lb.) of Permethrin a.i. and Piperonyl Butoxide a.i. is applied per acre.

**AERIAL APPLICATION

Aerial application with **ULTRA LOW VOLUMES** of **OMEGO MIST ULV** applied according to the Rates Charts on this label, may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts, or other trained personnel engaged in outdoor Mosquito and flying insect control programs, when these insects threaten to become a public health hazard. Application should be made by suitable aerial U.L.V. equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns at an altitude of 120 to 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 **Rotary Aircraft** equipped with rotary nozzles, apply at a sufficient airspeed to deliver the appropriate amount of **OMEGO MIST ULV** a. i. per acre. Do not exceed 6.3637 fluid ounces per acre of **OMEGO MIST ULV** which is equal to 0.007 lb. permethrin a.i. and 0.007 lb. piperonyl butoxide a.i.) per acre.

LABEL REVIEW NOTE:
This Label copy was previously ACCEPTED and conforms to PRN # 2005-1
Recommendation # 4 & 5
This NOTE will not appear on the finished label.

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.

NOTE: Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow are properly calibrated.

LABEL REVIEW NOTE:
This is label copy to conform to PRN # 2005-1
Recommendation # 5.
This NOTE will not appear on the finished label.

MAY BE APPLIED OVER THE FOLLOWING CROPS

OMEGO MIST ULV may be applied over specific growing crops and range grasses prior to harvest for the control of adult mosquitoes and biting flies within or adjacent to these areas. Application can only be made where the following crops are present:

Almonds	Cauliflower	Range Grasses	Pears
Apples	Cherries	Leafy vegetables	Peppers, bell
Broccoli	Corn, fodder	Lettuce	Soybeans
Brussels sprouts	Corn, forage	Mushrooms	Tomatoes
Cabbage	Corn, grain	Onions, dry bulb	Vegetables, cucurbits
Celery	Eggplant	Peaches	Walnuts

In the treatment of Corrals, Feed lots, Swine lots, Poultry ranges and Zoos, cover any exposed drinking water, drinking fountains and animal feed before application.

IMPORTANT! Do not re-treat a site more than once in [24 hours; no more than 2 applications should be made to a site in any 1 week period. 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."

LABEL REVIEW NOTE:
This is label copy to conform to PRN # 2005-1
Recommendation # 7.
This NOTE will not appear on the finished label.

NOTICE - READ ENTIRE LABEL BEFORE USING

Read the entire **Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability** before using this product. By using this product, user and buyer accept 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. Injury, 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 **GIL Mfg. Co., Inc.** All such risks shall be assumed by the user or buyer.

Disclaimer of Warranties: There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label.

No agent of **GIL Mfg. Co. Inc.** is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

GIL Mfg. Co., Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at **GIL Mfg. Co., Inc.'s option, the replacement of the product.** (09-12-05)

Gil Manufacturing, Inc. - P.O. Box 230224 Montgomery, AL 36123 U.S.A.

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