

# MasterLine®

By Univar

## KONTROL MOSQUITO LARVICIDE

Kills larvae and pupa stages of mosquitoes.

For use on:

Sewage and drainage ditches

Catch basins

Salt marshes, swamps and stagnant water pools

ACTIVE INGREDIENT:

Mineral Oil\* ..... 98%

OTHER INGREDIENTS: ..... 2%

TOTAL ..... 100%

\*Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

*See other panels for additional precautionary statements and First Aid.*

EPA Registration No. 73748-10

Manufactured By:  
Univar Environmental Sciences  
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Austin, Texas 78726

## FIRST AID

<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Do not give any liquid to the person.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move the person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. You also may contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	
<b>Note to Physician:</b> This product contains petroleum distillates and may pose an aspiration pneumonia hazard.	

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if absorbed through skin or swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart. Mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeve shirt and long pants,
- shoes plus socks, and
- chemical-resistant gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**Engineering Controls:** Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

## User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, except as directed for use on this label. Aquatic organisms may be killed in waters where this pesticide is used. Consult with the State agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is needed. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

## DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact adults, children or pets either directly or through drift. Only protected handlers may be in the area during application.

Do not apply this product through any type of irrigation system (i.e., via chemigation). Do not allow adults, children or pets to enter until sprays have dried.

## SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application (ground, aerial, or airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product. The restrictions pertaining to wind speed, temperature inversions, and droplet size apply to all of the methods of application permitted for this product.

**Wind Speed:** Do not apply at wind speeds greater than 15 mph at the application site.

**Temperature Inversions:** If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions.

**Droplet Size:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

**Ground Spray Applications:** Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

**Airblast Applications:** Turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in citrus applications, spray must be directed into the canopy.

**Aerial Applications:** Do not release spray at a height greater than 10 feet above the ground, top of crop, or above the orchard canopy.

**Boom Length:** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade's diameter.

**Swath Adjustment:** When applications are made cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downward edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

**Kontrol Mosquito Larvicide** does not depend on life-cycle time for effectiveness. As it kills by suffocation, mosquitoes do not develop resistance. When applied as directed, this product does not leave a dark oily film.

### Application Directions

**Kontrol Mosquito Larvicide** is designed for surface application to intermittently flooded areas, temporary rain pools, sloughs and log ponds. Mixture with water (milky appearance) should be avoided or minimized. Do not apply this product under high pressure or at high velocity. Adjust spray nozzle for partial cone pattern. Equipment used to apply other materials should be cleaned by rinsing first with diesel fuel or fuel oil, then with larvicide.

**GROUND APPLICATION:** Apply at rates of one to five gallons per acre (3 to 15 fl. oz. per 1,000 sq. ft.) depending on water surface conditions and vegetative density.

Use 1 to 2 1/2 gallons per acre (3 to 7 1/2 fl. oz. per 1,000 sq. ft.) if trees are in green tip stage and vegetative cover is light and water is essentially clean.

To penetrate heavier or denser vegetative cover, or if water is substantially polluted, use 2 1/2 to 5 gallons per acre (7 1/2 to 15 fl. oz. per 1,000 sq. ft.).

An average rate of 2 1/2 to 3 gallons per acre (approximately 1 quart to 5,000 sq. ft. — 50' x 100' area, 7 1/2 to 9 fl. oz. per 1,000 sq. ft., or 2 to 4 teaspoons per 100 sq. ft. = 10' x 10' area) of water surface covers most conditions.

**AERIAL APPLICATION:** Apply at rates of two to four gallons per acre for salt marshes and swamps. Adjust for vegetation or surface conditions. Average rate of 3 gallons per acre (36 gallons per 100 ft. swath mile) covers most conditions.

Apply to leave a thin film over surface of breeding areas. Include treatment of drainage ditches, catch basins, stagnant pools, open sewage basins to improve overall control. Since high pressures or high velocities are not needed, lighter equipment can be effectively used. Since mosquitoes can hatch in 5-7 days of warm weather, any stagnant water expected to be exposed for that period or longer should be treated.