

# City of Bellaire

## PARKS, RECREATION, AND FACILITIES

### **MOSQUITO CONTROL FAQs**

#### **How does this application work, and what is the target?**

The target for this application is mosquitoes. Therefore, applications will be conducted in the evening/early morning hours. When used in a properly calibrated ULV cold fogger machine, the droplet size will only impact the body weight of a mosquito and not the body weight of a bee. The label droplet size is 30 microns. No impact will occur to bees when the product is applied at the correct droplet size, and at night, bees are not active in the evening.

#### **What is the target zone and how far is its reach?**

ULV cold foggers are designed to treat a 300-swath foot breath. But there are real-world barriers (houses, sheds, barns, trees) that will block the distance in which the product will travel, and wind speed and direction will also impact that distance.

#### **Is there a residual effect?**

ULV has no residual if applied at the correct rate as listed, and the machine is calibrated. If a larger droplet did get through, it will be rapidly degraded by UV light.

#### **Do you have more information about the chemical we use, Kontrol 30-30?**

Kontrol 30 30 is a pyrethroid insecticide with the active ingredient of permethrin. This product is specifically labeled for use in area-wide mosquito control (adulticide) with an ultra-low volume (ULV) non-thermal fog to control adult mosquitoes, flies, and gnats in residential and recreational areas where these insects are a problem. For best results, treat when insects are most active, and conditions are conducive to keeping the fog close to the ground. Spray during the cool hours of early morning or evening. Apply when wind speed is greater than 1 mph but does not exceed 10 mph.

#### **What is permethrin?**

Permethrin is an insecticide in the pyrethroid family. Pyrethroids are synthetic chemicals that act like natural extracts from the chrysanthemum flower. Permethrin is used in a number of ways to control insects. Products containing permethrin may be used in public health mosquito control programs. They may be used on food and feed crops, ornamental lawns, livestock and pets, structures and buildings, and clothing. Permethrin may also be used in places where food is handled, such as restaurants. Permethrin was first registered with the United States Environmental Protection Agency (U.S. EPA) in 1979 and was re-registered in 2006.