

**FIGHT  
THE BITE!**

# GRAND FORKS MOSQUITO CONTROL



## EVIDENCE BASED MOSQUITO SPRAYING

### **SURVEILLANCE FIRST**

Grand Forks Mosquito Control (GFMC) employs an active mosquito surveillance program. Daily activities include collecting and identifying mosquitoes, and conducting West Nile virus tests on mosquitoes and birds. Traps are distributed throughout the community and outlying areas. Information gained from these traps help determine the need for adult mosquito control (fogging).

### **HOW FAST SHOULD THE VEHICLE BE DRIVING WHEN SPRAYING?**

The recommended speed for spraying is 5 - 20 mph. GFMC sprayers are equipped with variable flow technology; this system adjusts the application rate based on the speed of the vehicle. Therefore, the application rate stays the same. Speed does not have a major effect on the efficacy of the spray provided we're within 5 - 20 mph. When we conduct aerial spraying the insecticide is applied at 200 - 230 mph. Research has indicated an increased mortality rate when increasing travel speed. GFMC monitors the vehicles and sprayers with GPS tracking systems. This GPS system records several data points including location, speed, sprayer output, and more. GFMC sprays alleys at 10 mph and hard-surface roads around 15 mph.



### **WHAT PRODUCTS ARE SPRAYED?**

GFMC use ultra-low volume sprayers that deliver very small droplets and about 1-1.2 oz of a diluted, non-residual insecticide per acre. This public health pesticide is designed to kill mosquitoes. Because we use such a small amount of pesticide, proper timing and good weather conditions are essential to having a successful spray. The pesticide must directly impact mosquitoes, generally while in flight to be effective. If the mosquitoes are resting in the bushes or in the grass, they may not receive a lethal dose of spray. Once the droplets reach the ground they are no longer effective for killing mosquitoes.



### **IS THE SPRAY HARMFUL AND DO I NEED TO STAY INSIDE?**

No, when applied according to label instructions this spray will not harm people, pets, animals, or the environment. This public health pesticide is designed for use in residential areas. You do not need to leave an area when the sprayer goes by but if you choose you may want to avoid or minimize your contact with the cloud of droplets as it passes by. If you prefer to stay inside and close your windows and doors when spraying takes place that's fine, but it's not necessary. GFMC employees are trained and certified in the public health category as commercial pesticide applicators.

### **Information on Insecticides and Health:**

- The [US Environmental Protection Agency](#) oversees the registration of these chemicals.
- The [National Pesticide Information Center \(NPIC\)](#) provides information online or through a toll-free number, 1-800-858-7378.

**If you are experiencing health problems for any reason, see your doctor or healthcare provider.**

This information provided by U.S. Department of Health and Human Services Centers for Disease Control and Prevention

**For more information about mosquito control visit our website at [www.gfmosquito.co](http://www.gfmosquito.co)**