

Use of DeltaGard 20EW

City of Brandon Nuisance Mosquito Control

The City of Brandon's annual mosquito surveillance and abatement program includes provisions for Ultra Low Volume (ULV) fogging to occur within City limits (once established thresholds for such are met) to control adult nuisance mosquito populations. Recently, Manitoba has moved to the use of an insecticide called DeltaGard 20EW for wide area mosquito control, rather than the previous use of malathion. Recently approved for sale and use by Health Canada, DeltaGard 20EW is a reduced risk product with lower application rates and reduced risk for the environment and public.

Are there any health concerns related to using DeltaGard 20EW?

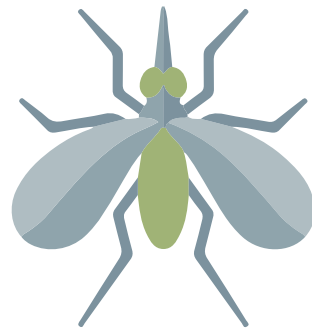
When used according to the label directions, DeltaGard 20EW is unlikely to affect human health. Health Canada has reviewed relevant data and literature, and has concluded that Deltamethrin (the active ingredient in DeltaGard 20EW):

- has no toxic effect on genes
- has no effect on human development or reproduction
- is not likely to be a carcinogen to humans
- has low skin absorption

DeltaGard 20EW is applied during the overnight and early morning hours when mosquitoes are most active and weather conditions are appropriate.

Does DeltaGard 20EW have an effect on the environment?

The exposure of bees, birds, mammals, fish and plants is expected to be minimal, given the reduced application rate, timing of application, and the minimal deposits in soil, water and plants that are anticipated from ULV application. DeltaGard 20EW is applied as fine droplets that don't readily drift or deposit and typically evaporate while suspended in the air. As a result, the deposit of these fine droplets into water or on land, and the impact on those ecosystems, is expected to be minimal.



How can I minimize my exposure to DeltaGard 20EW?

While Health Canada has not identified specific precautions for bystanders, you can take the following actions to minimize your exposure during a fogging program:

- Whenever possible, stay indoors during and immediately after spraying.
- Close all windows and doors. Turn off air conditioning units and close vents to circulate indoor air, before the spraying begins.
- Bring laundry, toys and pets indoors before the spraying occurs.
- Cover swimming pool surfaces when possible.
- Wash homegrown fruit and vegetables with water before cooking or eating them.
- Rinse play equipment with water after the spraying is finished.

What are Brandon's Nuisance Mosquito Control Thresholds?

As per the City of Brandon's established guidelines, adult mosquito control efforts are triggered IF:

The City of Brandon's Adulticiding Factor Analysis Guidelines value falls into and remains in the high category for two consecutive trap counts

OR

The average of any daily mosquito trap count is more than 1,000 nuisance mosquitoes

OR

Any individual trap count is more than 2,000 nuisance mosquitoes.

Buffer Zones

Residents can register with the City of Brandon's Community Services Department to have an area of 90 metres on either side of their property in the front street, side street and rear lane excluded from the Nuisance Mosquito Control Program. Residents must renew their buffer zone registration at the beginning of every season and should note that such buffer zones WILL NOT apply if the Province of Manitoba issues the City of Brandon a health order to fog for *Culex tarsalis* mosquitoes.

More information about the City of Brandon's Mosquito Surveillance and Abatement Program can be found at <http://www.brandon.ca/mosquito-abatement/mosquito-abatement-program>.