



Mosquito Control Protocol



Understanding Mosquito Habits and Life Cycle

- Mosquitoes have 4 life stages: eggs, larvae, pupae, adults.
- Mosquitoes are most active at dawn and dusk, and can feed on multiple hosts, including but not limited to humans and pets.
- Females lay their eggs in water. The eggs hatch in 1 to 3 days and the emerging larvae will go through 4 molts, which can last from 7 days to several weeks.
- The pupal stage (or tumbler stage) can take between 2 days or up to a few weeks. During the 4th molt, the pupal skin splits and the adult emerges.
- While adult females require a blood meal to produce eggs, males primarily feed on plant nectar.
- Females live 1 to 2 months during warm weather and as long as 6 months in cold weather. Males live for 6 to 7 days.

Inspection

- Inspect the entire yard for harborage and breeding areas (shaded areas, heavy foliage) then remove all standing water and conducive breeding conditions.
- Determine which type of equipment best meets the needs of the job (handheld sprayer, backpack sprayer, truck mounted sprayer or a combination of sprayers).
- Listen carefully to the customer and communicate treatment plan and expectations, such as cutting the grass, trimming excessive vegetation and removing all standing water.

Pre-treatment

- Remove all pet belongings, toys and other items from the yard.
- Explain that mosquito treatments can be affected by excessive moisture and recommend sprinklers remain off until product is dry.
- Give an estimate of how long the treatment will remain effective.
- Consider a mosquito misting system for customers who want timed control.

Treatment

- Consider all choices for IMP control of mosquitoes including non-chemical options.
- Treat all harborages areas, including shaded areas, foliage, shrubs and areas with little air movement (soffits and entry ways) with a tank mix of Onslaught®, NyGuard® and Exponent®. Remember the ideal target area is the bottom 20 ft of trees.
- For breeding sites (stagnant or standing water) that cannot be adequately removed, apply a solution as a coarse, wetting spray using only NyGuard.
- Do not apply NyGuard to natural bodies of water or active waterways.

Mix Onslaught, NyGuard and Exponent according to the following table:

Product	Rates
Onslaught	0.50 fl. oz. per gal
NyGuard	4 to 12 ml per gal
Exponent	0.35 fl. oz. per gal
Standing water (NyGuard only)	4 to 12 ml per gal

*NyGuard can be mixed at up to 12 ml per gallon for difficult-to-control infestations. Apply up to 1 gallon per 1500 sq. ft. Always follow the package label instructions

Post-Treatment

- Re-inspect in 1-2 weeks. Always be aware of product retreatment intervals prior to reapplying. Onslaught can be applied once every 7 days.



The Integrated Mosquito Solution for Superior Results



- Tank mixing Onslaught, NyGuard and Exponent in a backpack sprayer for use as a back-yard barrier treatment to kill mosquitoes is an effective and economical treatment for mosquito control.



Exponent® Insecticide Synergist

- Increases level of control when mixed with other insecticides
- Increases insect susceptibility to insecticides
- Cost effective alternative to other pyrethrum-based synergists



NyGuard® IGR Insect Growth Regulator

- Effective as a mosquito larvacide
- Effectively breaks the reproductive cycle
- Can be applied to standing water (cannot be applied to active waterways)



Onslaught® Microencapsulated Insecticide

- Controlled release technology provides longer lasting residual control
- Kills mosquitoes in their harborage and breeding sites
- No odor, easy-to-use formula

Alternative MGK Products for Mosquito Control

- Riptide® Waterbased Pyrethrin ULV
- Sector® Misting Concentrate
- VamPyre® Misting Concentrate



8810 Tenth Avenue North
Minneapolis, MN 55427

TOLL FREE 800.645.6466
TEL 763.544.0341
FAX 763.544.6437
WWW.MGK.COM

Contact Your Local Distributor Rep
for More Information