

## PROFESSIONAL PEST MANAGEMENT

# BEST PRACTICES FOR RESIDENTIAL MOSQUITO TREATMENTS

Lack of proper application training can mean less mosquito control for your customers — and more callbacks for your business. Syngenta is committed to providing the right protocols and tools to help you achieve more thorough control of mosquitoes on your residential accounts.

## PRE-MIXING

It is recommended that mosquito control products be mixed in a service container prior to the application to help make a more uniform solution. If using a backpack blower or mister (with at least a 2-gal. reservoir), follow these steps:

1. Fill a service container with 1 gal. of water
2. Add 1.6 fl. oz. of [Demand® CS insecticide](#) and 2 oz. of [Archer® insect growth regulator](#)
3. Add 1 gal. of water
4. Thoroughly agitate the service container before pouring the solution into the blower or mister reservoir

This will provide 2 finished gal. of solution. Syngenta does not recommend the use of a wetting agent or spreader sticker with Demand CS.

## PRE-TREATMENT INSPECTION

- ▶ Ensure children and pets are not present in application area
- ▶ Remove pet toys, pet drinking water and food dishes
- ▶ Identify flowering or edible plants and avoid them during treatment
- ▶ Remove or empty any water-holding containers that could serve as mosquito breeding sites, including buckets, tires or potted plant water dishes
  - ▶ Use a larvicide in immovable containers as needed
- ▶ Look beyond the treatment zone to ensure a proper treatment can be made without affecting non-target organisms or areas
- ▶ Make note of wind speed, wind direction and any potential rainfall
  - ▶ Do not treat during periods of high winds or during misting, rainy conditions

## TREATMENT

1. Always read and follow all product label instructions
2. Apply solution at full throttle with a blower or mister meter setting of 3 or 4 (if using a Stihl® model)
3. Treat vegetation up to a minimum height of 10 ft.
  - a. Treating higher than 15 ft. can result in off-target applications
4. Place the blower or mister nozzle 2-3 ft. away from vegetation
  - a. This distance may vary based on vegetation density
5. Rotate the blower or mister arm in small, circular patterns while moving up the vegetation, creating a vortex to force the solution under leaves and in bushes
6. Move sideways while operating the blower or mister, taking care to observe any items in your path
7. Treat all vegetation (excluding flowering or edible plants), open/raised porches and decks, under bay windows and other shaded areas that could be resting sites for adult mosquitoes
8. Apply 2-5 gal. of finished solution per 1,000 sq. ft.
  - a. The average quarter-acre residential lot or yard usually requires a minimum of 2 gal. of finished solution
  - b. Volume will vary based on amount and/or density of vegetation

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

It is recommended to always wear PPE, such as:

- ▶ Head covers
- ▶ Gloves
- ▶ Goggles or glasses
- ▶ Long pants
- ▶ Long-sleeved shirts

## EDUCATION

Provide the customer with a checklist of steps they can take to help reduce potential mosquito breeding sites on their property. This will help maximize the efficacy of your treatment.

By incorporating these practices into your application protocol, you can help your customers enjoy their yards without the nuisance of mosquitoes. For more information about residential mosquito control treatments, visit [www.SyngentaPMP.com/Mosquito](http://www.SyngentaPMP.com/Mosquito).

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