

# Mosquito Service Protocol

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## MOSQUITO CONTROL PROTOCOL

### OBJECTIVE:

Massey's Mosquito Control Program **reduces** the mosquito population surrounding the treated property. Mosquito treatments are performed monthly. Depending on where you are located, treatments can be performed throughout the year or only during mosquito season, April-September.

Massey offers four main options that customers can select from:

- **Standard Package** including monthly residual treatments, recurring insect growth regulator applications, & one biological control mechanism.
- **Deluxe Package** including monthly residual treatments, recurring insect growth regulator applications, one biological control mechanism, & one mosquito trapping device.
- **Premium Package** including monthly residual treatment, recurring insect growth regulator applications, one biological control mechanism, one mosquito trapping device, and mosquito repellent system (Thermacell LIV).
- **Stand-Alone Thermacell LIV program** includes quarterly service for changing the repellent cartridge/s. Additional replenishment due to higher-than-expected usage will result in additional charges.

### SERVICE PROTOCOL – STANDARD PACKAGE

**Standard Package** including monthly residual treatments, recurring insect growth regulator applications, & one biological control mechanism.

### TREATMENT PREP:

- Wear appropriate PPE per label directions during mixing and application.
- Just prior to treatment ensure equipment is clean, leak free and mix material per label directions into application equipment.
- Wear an effective insect repellent of your choice if mosquitoes are active at the location.

### IN2CARE TRAP SERVICE:

Start the treatment with initial placement or servicing of an In2Care trap. If a single trap is used on the Initial program, it should be strategically placed in the back yard per the instructions on the In2Care Instruction sheet. Every regular service requires maintenance of all traps per the In2Care Instruction Sheet.

The In2Care trap should be placed in a less-visible area behind vegetation where air motion is low or non-existent and where kids and pets are most likely not to bother it. It should be within twenty-five feet of the main back yard area of human activity.

### RESIDUAL TREATMENT: TREAT ADULT RESTING AREAS:

Once In2Care trap(s) is placed, apply liquid residuals to the point of runoff. Apply with a steady up-down sweeping motion to area that include:

- Undersides of decks, tables, chairs, and slides
- Up to 8 ft high into trees and hedges on undersides of leaves

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- Within but not on top of ground cover such as weeds, ferns, and tall grass with restricted air flow
- Up to 3 ft. high (behind and within hedges) on siding above home foundation and around entryways
- Around and inside dog houses, under BBQs, and on tree trunks up to 8 ft.
- All around the outer boundary perimeter of the yard as a 6-foot band and deep within all thick and clustered vegetation, especially on the undersides of all leaves
- **Fendona CS- Mixed at 1 fluid ounce per gallon of water for a .025% concentration + 4 mL per gallon NyGuard (pyriproxyfen) per 1500 square feet.**
- **MATERIAL SELECTION SCROLL-DOWN ON iPad\* should be in number of GALLONS used:**
  - **Fendona CS .025% GAL**
  - **NYGUARD IGR CONCENTRATE GAL**
    - **NyGuard IGR Concentrate – OZ is for indoor use with residual rotation material in 1-gallon and less containers.**

Misting equipment provides deep penetration of dense vegetation, allowing for thorough coverage of adult resting sites. It is critical to ensure application to the **UNDERSIDE** of the vegetation as well as surface areas where 'dead' air exists. **Also, AVOID LIQUID APPLICATIONS ON In2Care TRAPS.**

## **ALTERNATE MATERIAL:**

**Mavrik Perimeter is an alternative in sensitive situations where contact with honeybees is a concern.** Mavrik is mixed at 0.5 fluid ounces (3 teaspoons) per gallon of water + 4 mL NyGuard (pyriproxyfen) per gallon. Then add a teaspoon of 80:20 spreader-sticker to the solution per gallon.

The nozzle setting on the backpack mist blower should be set at 1 and the application made with a steady, sweeping motion. Avoid treating near flowering plants, as pollinators exposed to these products may be affected. Do not make applications if foraging bees are present or when weather conditions favor drift. It is not necessary to apply the finished formulation to the point of runoff.

Keep mist away from eyes, skin, and clothes. It is recommended that safety glasses, long sleeves and a dust mask are worn at the time of application. Keep people and pets out of the treated area until the material has dried.

**LARVAL BREEDING AREAS:** Overspray of NyGuard in the tank mix will affect small and medium bodies of water by the mosquitos carrying the product, controlling larvae immediately, but there will be hatch out from pupae for about a week only on the very first treatment until all the pupae have emerged.

***Applications with Altosid Pro-G and/or XR Briquets in larger bodies of water are a separate charge from the liquid residual treatment. Where necessary these supplementary larvicides can be applied:***

Apply **Altosid Pro-G** pellets per label rate (~80 pellets = ~1 pinch per gallon of standing water) in all small permanent bodies of water on the property. This means water that will be there for at least 3 days. These larval breeding areas include:

- dry drainage ditches
- bird baths
- gutters
- tree holes
- standing water on a flat roof
- small fishponds

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- unchlorinated, unused pools
- tires
- drain pans under potted plants.

Place **Altosid XR Briquets** in larger bodies of water on the Customer's property consistent with the attached label (1 briquet per 100 sq. ft. of ponded water up to 2 ft. deep) to the following areas:

- oversized ponds/ retention ponds / roadside ditches
- catch basins.
- fountains

## **Dump and Drain Standing Water on the Property:**

Turn containers having the potential to hold water upside down to prevent the container from becoming a breeding source for larval mosquitoes. Center your attention on items such as:

- plant pots and plant drain pans not in use.
- empty garbage cans
- garbage can lid.
- tires
- buckets
- pet dishes
- wheelbarrows

## **EXCLUSION**

Exclusion such as sealing around entrances and patching of screen should be sold on the INITIAL treatment and added to the INITIAL price. Customers under service who already have gaps or suddenly develop gaps allowing mosquito entry should be quoted a price for exclusionary services or have a permanent "Customer Responsibility" Observation logged onto the Service Report until the gaps are sealed. A single small patch on a screen can be completed without additional charge as part of your Mosquito Control Service.

## **COMMUNICATIONS/PAPERWORK**

- Discuss and explain all documented areas and issues identified during your inspection. Note on the service report in understandable language and neat, legible handwriting, the Conditions and Sources conducive to mosquitoes around the structure.
- Use positive action statements:
  - **What you have done to prevent mosquito activity**
  - **What they can expect to occur: 30 days of reduction of adult mosquito activity**
- Indicate what corrective measures the Customer should take, such as:
  - **What water should be regularly dumped on the property?**
  - **What vegetation should be thinned to reduce attraction for adult mosquito resting spots?**
  - **What screens, doors or windows should be repaired to prevent adult mosquito entry**
  - **What neighboring areas are breeding mosquitoes that may influence the mosquito activity on their property**

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- Deliver FAST FACTS brochures on specific and appropriate topics (i.e., West Nile Virus) to better educate the Customer about their mosquitos and other pests encountered.
- Document the materials and amounts of the materials and the areas you applied the materials in your iPad. Do not ever note “Areas of Concern” as a location. Note Front, side or Back yard as areas treated.
- Inform the Customer of their next service date and get their signature if they are home.
- Ask if there is anyone the Customer might know in the neighborhood who may also enjoy mosquito control. Mention to your Customers that they can further reduce any mosquito activity around their homes if surrounding neighbors also have our service.
- Post a yard treatment sign every time a treatment is performed at the main entrance to the property if this is state law in your state.
- Follow-up: Scheduling a Proactive follow-up next week WHENEVER MOSQUITO ACTIVITY IS MODERATE ON THE SERVICE DAY is the key component to solidifying a great relationship, thus defining **GREAT SERVICE**.

## **SERVICE PROTOCOL – DELUXE PACKAGE**

The Deluxe Package includes everything in the Standard Package PLUS the installation of at least one Dynatrap DT1050 that attracts mosquitos and small flying insects in a half-acre area. The Dynatrap needs to be plugged into a UL Listed, properly hard-wired outlet. It needs to be in the back yard off to the side, but in between the source of mosquitos and human activity without obstructing normal human pathways of activity. Read and follow the attached protocol:

### **Place 1 DT1050 half-acre Dynatrap in the back yard:**

- A minimum of one DT1050 is placed in the back yard close enough to be hard wired between the source of adult mosquitos and the main human activity areas.
  - If plugs must remain outdoors, we recommend a waterproof connection jacket at each extension cord connection.
  - Outdoor models should be placed according to the area being covered in a spot that will draw the mosquitos away from the structure but still have access to an electrical (extension cord) and outlet.
  - Fix or hang the trap on a DynaTrap hanger (42010 HOOK) about 3-6 feet above ground or attach on a bracket to a fence or wooden post.
  - Initially, place in one new “Attracta Lure.”
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- Service each DynaTrap by:
    - 1) Cleaning out the capture basket
    - 2) Replace the ATRAKTA Lure (100611) **EVERY 60 DAYS** by removing the old lure and replacing the new one inside the trap. It mimics natural odors that attract mosquitos.
    - 3) Replace bulb every **90 days**. Notes should be added to the service report to indicate months of bulb replacement.

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Placement around a typical home:



Other Dynatrap brand lights listed on the rate card are add-ons that can further aid in capturing mosquitos.

## SERVICE PROTOCOL – PREMIUM PACKAGE

Massey's Premium Package includes everything in the Deluxe Package PLUS the addition of our Thermacell LIV Smart Mosquito Repellent System. **THE SYSTEM CAN ALSO BE OFFERED AS A STONE ALONE OPTION.** The system has Hub and Repeller's with the option of connecting multiple repellents together in a daisy chain fashion.

**PEST PREVENTION SPECIALIST MUST COMPLETE THE REQUIRED THERMACELL TRAINING BEFORE INSTALLING THE SYSTEM.**

**\*Refer to the Thermacell installation protocol.**