

# INSECTICIDE INFORMATION

## Larviciding

Insecticides used to target larval mosquitoes.

| Product Name | Active Ingredient                                               | Active Ingredient in Product (%) | Application Method        |
|--------------|-----------------------------------------------------------------|----------------------------------|---------------------------|
| Altosid XR-G | Methoprene                                                      | 1.50%                            | Hand                      |
| CocoBear     | Mineral Oil                                                     | 10%                              | Pipette                   |
| Fourstar     | Bacillus sphaericus & Bacillus thuringiensis subsp. israelensis | 6.00%/1.00%                      | Hand                      |
| Natular G30  | Spinosad                                                        | 2.50%                            | Drone, Hand-spreader, ATV |
| Natular DT   | Spinosad                                                        | 7.48%                            | Hand                      |
| Natular XRT  | Spinosad                                                        | 6.25%                            | Hand                      |
| Vectobac WDG | Bacillus thuringiensis subsp. israelensis                       | 37.40%                           | Truck                     |
| VectoLex WSP | Bacillus sphaericus                                             | 7.50%                            | Hand                      |
| VectoPrime   | Bacillus thuringiensis subsp. israelensis & Methoprene          | 6.07%/0.10%                      | Drone, Hand-spreader, ATV |
| VectoMax FG  | Bacillus sphaericus & Bacillus thuringiensis subsp. israelensis | 2.7%/4.5%                        | Drone, Hand-spreader, ATV |
| VectoMax WSP | Bacillus sphaericus & Bacillus thuringiensis subsp. israelensis | 2.7%/4.5%                        | Hand                      |

|               |            |       |                           |
|---------------|------------|-------|---------------------------|
| MetaLarv S-PT | Methoprene | 4.25% | Drone, Hand-spreader, ATV |
| MetaLarv XRP  | Methoprene | 4.25% | Hand                      |

### Adulticiding

Insecticides used to target adult mosquitoes.

| Product Name     | Active Ingredient                              | Active Ingredient in Product (%) | Application Method           |
|------------------|------------------------------------------------|----------------------------------|------------------------------|
| Biomist 3+15 ULV | Permethrin & Piperonyl Butoxide                | 3.0%/15.0%                       | Truck                        |
| Duet             | Prallethrin, Sumithrin, and Piperonyl Butoxide | 1.00%/5.00%/5.00%                | Truck, Backpack Sprayer, ATV |
| Fyfannon ULV     | Malathion                                      | 96.50%                           | Truck                        |
| Merus 3.0        | Pyrethrins                                     | 5.00%                            | Truck                        |
| Dibrom           | Naled                                          | 87.4%                            | Aerial                       |

### Recommended Larvicide for Consumers for Standing Water on Property

If you are unable to empty breeding containers (small pools, children's toys, tires, bromeliads) it is recommended that you use an over-the-counter larvicide to prevent mosquito breeding. *Aedes aegypti* larvicide products, used for this purpose, last between seven and 60 days, depending upon the product type. These products are available online, at local home improvement and hardware stores, and wherever pest control products are sold. Check the product labels for specifics regarding the type of habitat for which they are most suitable, and the duration of effectiveness. Products are in the form of briquettes, tablets or granules that contain either Bti or Spinosad which are natural larvicides safe for pets, birds, beneficial insects and the ecosystem. Some brand names include Natular G, DT and XRT, MosquitoDunks®, Mosquito Bits® and Bonide Mosquito Beater®.