

# Sumilarv® 0.5G

## Larvicide

Sumilarv® 0.5G is a powerful granule formulation larvicide for achieving longer-lasting vector control. Delivering proven efficacy and control when properly dosed. Sumilarv 0.5G delivers high mosquito toxicity at low dose rates. The easy-to-apply granular formulation remains at the application site — stays put — and remains highly effective through seasonal changes in temperature. Sumilarv 0.5G is ideal for catch basins, water retention ponds and livestock lagoons. Sumilarv 0.5G can dramatically reduce re-application costs because of its unique formulation and non-flushing properties.

- Provides up to 150 days of residual control at the 75g dose
- Effective in areas that dry out and rewet
- Non-flushing formulation
- Prevents adult mosquito emergence (including those which may transmit West Nile virus)



## Product Specifications

<b>Signal Word</b>	Caution
<b>Packaging</b>	1 KG bag (2.20 lbs.) & 5 KG bag (11.02 lbs.)
<b>EPA Registration Number</b>	1021-2819
<b>Product Handling</b>	For use in outdoor mosquito breeding sites
<b>Stability of Undiluted Product</b>	Not applicable – sand granule
<b>Stability of Diluted Product</b>	Not applicable – sand granule
<b>Appearance</b>	Fine sand granule
<b>Odor</b>	No odor
<b>Active Ingredients</b>	Pyriproxyfen 0.5%
<b>Flammability</b>	Not applicable
<b>Mode of Action</b>	Insect growth regulator
<b>Class of Chemistry</b>	IGR
<b>Respirator Required</b>	Not required
<b>Mix or Dilute in</b>	Not applicable – ready-to-use broadcast
<b>Activity</b>	IGR and residual activity
<b>Shelf Life</b>	3 years or more if stored at room temperature

## Use Areas

### Outdoor Mosquito Breeding Areas, such as:

- Man-made temporary or permanent water holding sites, including:
  - Catch basins, water retention or detention ponds, ornamental ponds, fountains, gutters, sewers, waste water impoundments, waste settling ponds, livestock ponds, animal waste lagoons, abandoned swimming pools, and French drains
- Natural & Artificial Water Holding Containers:
  - Tire piles, hollow trees & tree holes, potted plants, bird baths, rain barrels, flooded roof tops, flower pots, buckets, abandoned vehicles and salvage yards

## Method of Application

### Outdoor:

- Spot Treatment
- Broadcast application for larger areas and ponds

## Best Practices When Using Sumilarv 0.5G

Identify area as a breeding site for mosquitoes and verify larval activity.

### Application Tips

Estimate the volume of water for the treatment site, prior to application using the following calculation method:

Total cu. Ft. of target treatment site (ft. <sup>3</sup>) = surface area (ft. <sup>2</sup>) x average depth (ft.)

**Note:** 7.5 gallons per cu. ft.

Total water volume = Total cu. Ft. of treatment site x 7.5 gallons

### Application Rates to Use for the Control of Mosquito Larvae

Treatment site (Volume of Water in Gallons)	Water Depth Less than or Equal to (ft.)	Amount of Sumilarv 0.5G (grams)	lb. AI Sumilarv 0.5G/acre based on 1 or 2 basins/acre
0 – 500	1	25	0.00028
500 – 1500	2	50	0.00055
1500 – 3000	4	75	0.00083
3000 – 4500	6	100	0.00110
4500 – 6000	8	125	0.00138

Apply at the rate specified in the application rate table above:

### Use Sumilarv 0.5G as part of an IPM program

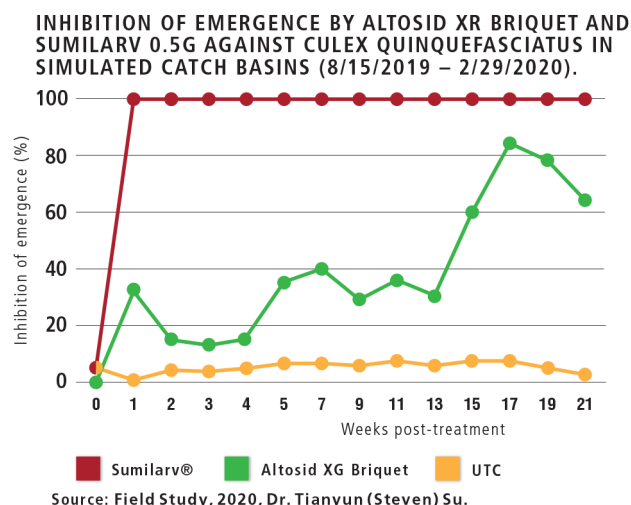
For best results, use Sumilarv 0.5G as part of an integrated pest management program to control the targeted pest and the diseases they vector.

### Effective Mosquito Application

- Identify mosquito breeding site.
- Calculate the size & water volume of treatment area.
- Generously broadcast the Sumilarv 0.5G sand granules into the treatment site
- Continue to monitor or surveil treatment areas to verify adult emergence inhibition has ceased.
- Please note: Sumilarv 0.5G will not affect mosquito breeding activities, mosquito larval development, but will prevent adult mosquitoes from emerging from the pupae stage.

## Key Insects Controlled

Mosquitoes



Always read and follow label and SDS directions.

To learn more, visit [www.mgk.com](http://www.mgk.com), call 1-800-645-6466 or send an email to [brands@mgk.com](mailto:brands@mgk.com).

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