

# TECHNICAL BULLETIN



Troika® Misting Concentrate combines three active ingredients for optimal performance against flying insects providing a quick knockdown and kill. The water-based polymeric surfactant system is stable in solution and will not harm most common ornamental plants.

- Kills mosquitoes that may transmit West Nile, Chikungunya and Zika virus, flies and other listed insects
- No withholding time periods for use before animal processing
- Synergized to combat metabolic resistance
- Labeled for use in automatic misting systems or manual application

## PRODUCT SPECIFICATIONS

<b>Key Target Pest(s)</b>	Flies, mosquitoes and gnats
<b>Signal Word</b>	Caution
<b>Form</b>	Concentrate
<b>Active Ingredient(s)</b>	Pyrethrins; Permethrin; Piperonyl butoxide (PBO)
<b>Class of Chemistry</b>	Pyrethrins/Pyrethroids (3A); Synergist
<b>Activity</b>	Knockdown, contact kill
<b>Mode of Action</b>	Sodium channel modulator
<b>Stability</b>	If frozen, thaw and shake before use
<b>Flammability</b>	Not listed as flammable or combustible
<b>Odor</b>	Mild, sweet
<b>PPE Requirements</b>	Long pants, long sleeves, shoes and socks, chemical resistant gloves
<b>Retreat Interval</b>	1 day
<b>Mix or Dilute In</b>	Water only
<b>Shelf Life</b>	1 year or more in ideal storage conditions



## Packaging

- 64 ounce unit (4 per case)
- 55 gallon drum
- 275 gallon tote

## Use Sites

### Automatic Spraying Systems

- Animal premise
- Outdoor residential misting

### Indoor and Outdoor Livestock Areas

- Livestock housing
- Poultry housing
- Horse barns
- Animal areas and quarters
- Over animal

### Outdoor Areas

- Around homes and beach houses
- Patios and pool areas
- Tennis courts
- Lawns



## Application Methods

- Spot treatment
- Crack and crevice
- Surface spray
- Space spray

## Recommended Equipment

- Compressed air sprayers
- Power sprayers
- Backpack mist blowers
- Mechanical foggers
- Automatic misting systems

## Automatic Misting Systems Tips and Tricks From the MGK Technical Department

### Avoid sun and heat

- Place the misting system holding tank out of direct sunlight as pyrethrum degrades at high temperatures.
- Cover the tank with a light colored or reflective cover to minimize solar heating of the solution.

### Apply during active periods

- Set the system timer to treat when target insects are most active, such as dawn and dusk.

### Keep things clean

- Be sure to clean the tank between refills and use an antimicrobial.
- Do not use compounds that could alter the solution pH out of the 5.5 – 7.0 range.
- If buildup is observed in the tank, empty it completely and clean thoroughly before refilling.

### Monitor misting system output

- Check and clean system nozzles and filters for optimal particle size and distribution.
- Droplet size affects suspension time – the smaller the droplet, the longer the suspension.

### MGK Sustainability in Action

- Water based, non-flammable formulation concentrated to reduce transportation carbon emissions
- Containers are HDPE and 100% recyclable
- Shipping cartons and paper labels are sourced from Sustainably Managed Forests
- Formulated in a production facility that uses 100% renewable energy
- Small, refillable containers available to reduce packaging waste

AVERAGE SIZES  
microns



SCAN ME



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[mgk.com/troika-misting](http://mgk.com/troika-misting)  
to see resources and  
additional information

### Always read and follow all label instructions.

For any medical or safety questions, concerns, or incident reports, call 1-888-740-8712.