

Technical Bulletin



TROIKA[®] Misting Concentrate

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.

Features and Benefits

- Kills mosquitoes that may transmit West Nile, Chikungunya and Zika virus, flies and other listed insects
- Synergized with piperonyl butoxide (PBO) to combat metabolic resistance and increase effectiveness
- Labeled for use in automatic misting systems or manual application

Product Specifications

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



Scan the QR code or visit
mgk.com/troika-misting
to see resources and
additional information.

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

Packaging

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



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**

- 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

Always read and follow all label instructions. For any medical or safety questions, concerns or incident reports, call 1.888.740.8712.

EPA Registration Number: 1021-2609

Toll Free: 800.645.6466 | **Tel:** 763.544.0341 | **Fax:** 763.544.6437

7325 Aspen Ln N, Minneapolis, MN 55428 | MGK.com

© 2026 MGK. All Rights Reserved. Rev. 0826

