

TECHNICAL BULLETIN

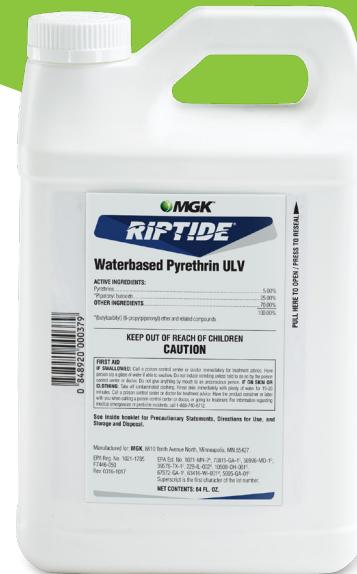
RIPTIDE® Waterbased Pyrethrin ULV

Riptide® Waterbased Pyrethrin ULV contains botanically based pyrethrins synergized with piperonyl butoxide (PBO) to provide knockdown and kill of a variety of flying and crawling insects. It is designed for use in automatic misting systems or manual applications.

- Kills over 70 listed insects including flies, cockroaches and mosquitoes that may transmit West Nile and Zika virus
- Formulated with a 1:5 pyrethrins to PBO ratio to combat resistance and increase effectiveness
- Formulated for convenient and stable dilution with water
- Will not harm most common ornamental plants

PRODUCT SPECIFICATIONS

Key Target Pest(s)	Flies, mosquitoes, cockroaches and stored product pests
Signal Word	Caution
Form	Concentrate
Active Ingredient(s)	Pyrethrins; Piperonyl butoxide (PBO)
Class of Chemistry	Pyrethrins (3A); Synergist
Activity	Flushing, knockdown, kills by contact
Mode of Action	Sodium channel modulator
Stability	Avoid freezing, but if frozen, thaw and shake before use
Flammability	Not listed as flammable or combustible
Odor	Slight - Sweet
PPE Requirements	Long pants, long sleeves, shoes and socks, chemical resistant gloves, respirator (enclosed spaces)
Retreat Interval	1 day (most applications). See label for specific uses
Mix or Dilute In	Water only
Shelf Life	2 years or more in ideal storage conditions



Packaging

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

Use Sites

Indoor and Outdoor Livestock Areas

- Residential homes*
- Commercial buildings
- Food and non-food areas
- Trees, lawns, landscape, turf

*Not for indoor residential use

Livestock Areas

- Livestock housing
- Exotics
- Poultry housing
- On/over animal

Automatic Spraying Systems

- Animal premise
- Outdoor residential misting



Application Methods

- Spot treatment
- Crack and crevice
- Space spray

Recommended Equipment

- Automatic systems
- Backpack mist blowers
- Compressed air sprayers
- Mechanical aerosol generators
- Truck mounted sprayers
- ULV foggers

Automatic Misting Systems Tips and Tricks From the MGK Technical Department

Avoid sun and heat

- Pyrethrins degrade at high temperatures, place the misting system holding tank out of direct sunlight.
- 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.

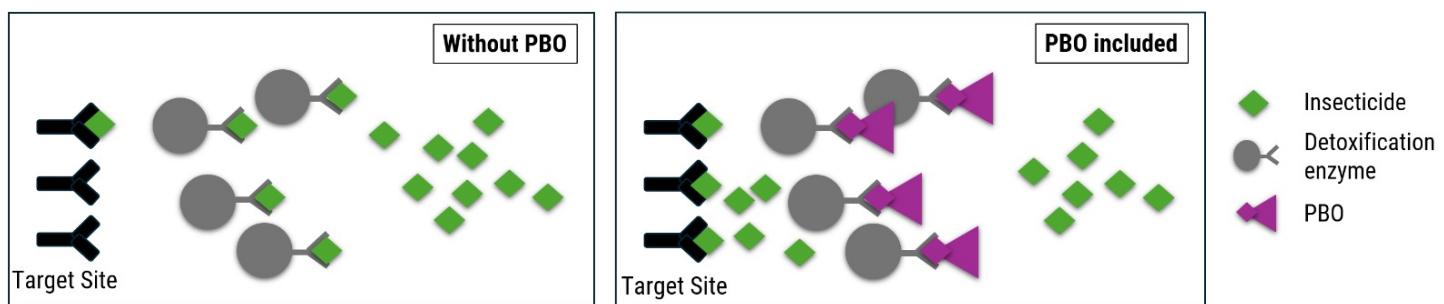
Keep things clean

- 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.

Piperonyl Butoxide Enhances Insecticide Efficacy



To have a lethal effect, the active ingredient in an insecticide needs to reach its target site within the insect. Resistant insects commonly have a defense mechanism, cytochrome P450 enzymes, that attack insecticides. PBO binds to these detoxification enzymes, allowing the insecticide to reach its target site and work more effectively.

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

SCAN ME



Scan QR code or visit
mgk.com/iptide
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.