

Technical Bulletin



Troika® Pour-On is a dual-active, synergized insecticide that provides fast and effective control of insects on livestock. This oil-based, ready-to-use formulation adheres to animal hides and offers flexible application options for effective insect control.



Features and Benefits

- Kills flies, lice, mosquitoes, ticks and other listed insects
- For use on cattle, horses, sheep and swine
- Approved for daily application, providing flexibility during increased insect pressure
- For swine, do not ship animals for slaughter within 5 days of treatment
- Synergized with piperonyl butoxide (PBO) to combat metabolic resistance



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

Product Specifications

Key Target Pest(s)	Flies, including face, horn, horse, house and stable flies; chewing and sucking lice
Signal Word	Caution
Form	Concentrate
Active Ingredient(s)	Permethrin; Pyrethrins; Piperonyl butoxide
Class of Chemistry	Pyrethrins/Pyrethroid (3A); Synergist
Activity	Kills by contact; residual
Mode of Action	Sodium channel modulator; Interference with P-450 mediated detoxification enzymes
Stability	Avoid freezing, but if frozen, thaw and shake before use
Flammability	Combustible
Odor	Oily
PPE Requirements	Long sleeved shirt, long pants, shoes and socks; chemical resistant gloves
Retreat Interval	1 day
Mix or Dilute In	N/A
Shelf Life	2 years or more in ideal storage conditions

Use Sites

Livestock Areas

On and over animals:

- Lactating dairy cattle
- Non-lactating dairy cattle
- Beef cattle
- Horses
- Swine
- Sheep

Application Methods

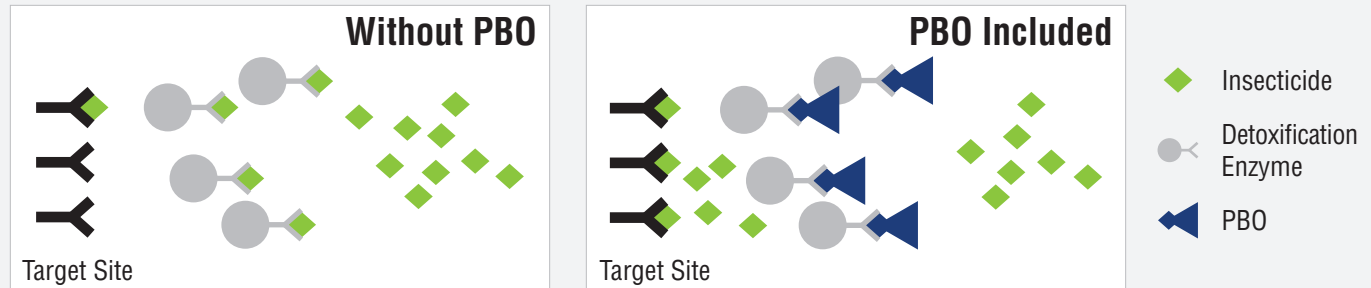
- Automatic Misting System
- Pour-on
- Spray
- Backrubber

Packaging

- 1 quart bottle (6 per case)
- 1 gallon bottle (2 per case)



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 heightened 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.

Troika Pour-On Tips and Tricks From the MGK Technical Department

Each active ingredient plays an important role. Understanding how active ingredients work will help you get the desired results.

- Pyrethrins provide quick kill and knockdown but have limited residual effect. Direct contact with the target pest and thorough coverage are key when applying pyrethrins.
- Permethrin will kill insects by contact and provide residual control, meaning that insects sufficiently exposed to a treated surface will die. Apply residual actives where pests are known to rest and travel.

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.

Keep things clean

- Be sure to clean the tank between refills and use an antimicrobial.
- If buildup is observed in the tank, empty it completely and clean thoroughly before refilling.
- Check and clean system nozzles and filters for optimal particle size and distribution.

MGK Sustainability in Action

- Container is 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
- Responsibly sourced ingredients, like pyrethrum from Tanzania, supports long-term prosperity for smallholder farmers and drives economic growth in their communities

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

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