

Technical Bulletin



CROSSFIRE®
bed bug concentrate

CrossFire® Bed Bug Concentrate combines two modes of action to provide a fast knockdown and kill with residual control of bed bugs at all life stages (adults, nymphs and eggs).

Features and Benefits

- Kills bed bugs at all life stages and prevents bed bug eggs from hatching
- Kills pyrethroid-resistant bed bug strains
- Synergized with piperonyl butoxide (PBO) to combat metabolic resistance and maximize effectiveness
- Direct contact provides control in less than five minutes as shown by independent testing



Product Specifications

Key Target Pest(s)	Bed bugs
Signal Word	None
Form	Concentrate
Active Ingredient(s)	Metofluthrin, Clothianidin, Piperonyl butoxide
Class of Chemistry	Pyrethroid (3A); Neonicotinoid (4A); synergist
Activity	Contact kill, residual, synergist
Mode of Action	Sodium channel modulator; Nicotinic acetylcholine receptor competitive modulator; Interference with P-450 mediated detoxification system
Stability	If frozen, thaw and shake before use
Flammability	Not listed as flammable or combustible
Odor	Slight sweet smell
PPE Requirements	Long sleeved shirt; long pants; shoes and socks
Retreat Interval	None specified
Mix or Dilute In	Water only
Shelf Life	3 years or more in ideal storage conditions

Packaging

- 13 ounce bottle (10 per case)
- 130 ounce bottle (2 per case)

Use Sites

Indoor Use Only

- Residential homes
- Commercial buildings
- Non-food areas
- Poultry houses

In Pet Areas

- Pet sleeping quarters
- Pet bedding
- Floor and floor coverings

Where Bed Bugs Hide

- Mattresses
- Box springs
- Headboards
- Walls
- Floors
- Baseboards

Not for use on humans or animals

Apply when animals are not present



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

Application Methods

- Spot treatments
- Crack/crevice treatments
- Carpet perimeter

Application Equipment

- Handheld or backpack sprayers
- Paintbrush

Best Practices for Mixing and Diluting

1. Agitate the container of CrossFire Concentrate by inverting it several times.
2. Add approximately half of the required water to the tank. The temperature and pH of the water do not affect the formulation.
3. Add required amount of CrossFire to the tank.
4. Agitate and slowly add the remaining water.

CrossFire Bed Bug Concentrate may also be mixed to varying final dilution volumes to treat smaller or larger treatment areas according to the following table:

Dilution Chart for Equivalent of 1.42% Concentration of Total Actives

Volume of Finished Mix	Volume of Water	Volume of CrossFire Bed Bug Concentrate	Application Rate of Mixed Solution
16 fl. oz.	14.4 fl. oz.	1.6 fl. oz.	125 sq. ft.
1.0 qt.	28.8 fl. oz.	3.2 fl. oz.	250 sq. ft.
0.5 gal.	57.5 fl. oz.	6.5 fl. oz.	500 sq. ft.
1.0 gal.	115.0 fl. oz.	13.0 fl. oz.	1,000 sq. ft.
1.5 gal.	172.5 fl. oz.	19.5 fl. oz.	1,500 sq. ft.

CrossFire Concentrate Tips and Tricks from the MGK Technical Department

- CrossFire can be used in conjunction with heat treatments.
- Generally, the best practice when applying any insecticide is to mix and use what is needed in 24 hours. If CrossFire is left in a compressed air sprayer overnight, shake the tank prior to use to ensure contents are evenly suspended.

MGK Sustainability in Action

- Container is HDPE and 100% recyclable
- Formulated in a production facility that uses 100% renewable energy
- Shipping cartons and paper labels are sourced from Sustainably Managed Forests
- Very low volatile organic compound

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: 1021-2776

Toll Free: 800.645.6466 | **Tel:** 763.544.0341 | **Fax:** 763.544.6437
7325 Aspen Ln N, Minneapolis, MN 55428 | **MGK.com**

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