

ER-22™

EcoVenger®

Insect Control & Miticide EC

AQUEOUS EMULSIFIED CONCENTRATE
with Botanical Active Ingredients

ACTIVE INGREDIENTS

Geraniol	2%
Cedarwood Oil.....	2%
Sodium Lauryl Sulfate	0.4%

INERT INGREDIENTS..... 95.6%

Glycerol monooleate, Glyceryl dicaprylate,
Polyglyceryl oleate, Silica hydrate and Water

TOTAL..... 100%



**Broad Spectrum Insect & Mite Control
Adulticide + Larvicide + Ovicide in One
Effective Pesticide-Resistance Solution
Low Odor, Non-Oily & Non-Staining**

When Use as Directed, Product Offers:

- ✔ Quick Knockdown & High Mortality
- ✔ Long-Lasting Residual Control
- ✔ Ideal for Use Around Families & Pets

Intended for use by pest management operators.
A Minimum Risk Pest Control Product.
Keep Out of Reach of Children.

CAUTION: SEE BACK FOR FIRST AID AND
PRECAUTIONARY STATEMENTS.



1 Gallon (128 FLOZ/3.78 Liter)

ER-22 is an advanced botanical insecticide and miticide formulated with active ingredients derived from plant extracts. Utilizing proprietary technology, this professional-grade formula is engineered for broad-spectrum control of diverse arthropod species, demonstrating adulticidal, larvicidal, and ovicidal effectiveness across all life stages. When applied as directed, ER-22 delivers rapid knockdown and contact mortality with extended residual activity, offering a versatile solution for integrated pest management (IPM) programs in sensitive environments.

TARGET PESTS: For use as an interior and exterior adulticide, larvicide and ovicide to control a comprehensive range of pests, including, but not limited to: Bed bugs, Roaches, Aphids, Armyworms, Bagworms, Beetles, Chiggers, Chinch bugs, Crickets, Cutworms, Dermestids, Drain flies, Earwigs, Fleas, Flies, Fire ants, Gnats, Lice, Lantern flies, Mealybugs, Midges, Millipedes, Mites, Mosquitoes¹, Moths, Odorous house ants, Silverfish, Spiders, Spider mites, Springtails, Stink bugs, Thrips, Ticks, Wasps, Yellow jackets, and Whiteflies.

APPLICATION SITES: Suitable for use in and around structures and sensitive environments where pest infestations occur, including residential complexes, commercial properties, warehouses, and institutional facilities such as schools and municipal buildings. It may be applied within healthcare facilities, hospitality venues, and on non-food contact surfaces within food handling establishments. The product can be applied directly to upholstered furniture, soft furnishings, carpets, rugs, curtains, and mattresses or bedding (applied to tufts, seams, and folds). It is also suitable for treatment of cracks, crevices, wall voids, attics, and crawlspaces. Outdoor use sites include building perimeters, refuse areas, and vegetation within lawns, gardens, parks, greenhouses, golf courses, and athletic fields. Additionally, ER-22 may be used in animal housing such as kennels, stables, and zoos (avoiding direct application to food or water vessels); in aquatic environments including standing water, catch basins, storm drains, and sewers; and within transportation sectors including aircraft, buses, subways, trains, trucks, and marine vessels.

DIRECTION FOR USE: Read the entire label and **ALWAYS SHAKE WELL BEFORE MIXING AND USE.** See next page for mixing and application rate.

PRECAUTIONARY STATEMENT: Caution: Keep Out of Reach of Children. Avoid contact with eyes, mouth, and skin. May cause eye irritation or skin reactions in sensitive individuals. Protective eyewear and gloves are recommended during application. Wash hands thoroughly with soap and water after handling. Use in well-ventilated areas; if scent becomes objectionable, increase airflow to dissipate botanical aromas.

Slippery Floor Hazard: Excessive application may result in slippery surfaces; use caution signage where necessary. **Electrical Hazard:** Product contains water. Do not spray directly into conduits, junction boxes, electric outlets, or electronic appliances to avoid shock hazard.

Surface Compatibility: May decolorize paper, fabric, raw wood, suede, or delicate finishes. Test a small, inconspicuous area prior to broad application. **Use Limitations:** For use in non-food areas of food handling establishments only. Do not spray directly on fruit or edible crops. To prevent phytotoxicity, perform a spot evaluation on a small portion of plants prior to large-scale treatment.

FIRST AID: If in Eyes: Flush with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. **If on Skin:** Wash with plenty of soap and water. **If Swallowed:** Rinse mouth and drink plenty of water. Contact a physician if irritation or symptoms persist.

STORAGE: Store upright in the original container and keep tightly closed when not in use. Store at room temperature in a cool, dry area. Preferably store in a dark place or away from direct light, as prolonged exposure to UV and sunlight may degrade the botanical active ingredients, reduce potency, or shorten the product's shelf life. If product separates or freezes, allow it to reach room temperature and shake well before use.

DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available, or discard in trash in accordance with local regulations.

This is a minimum risk pest control product and qualifies exemption from EPA registration under Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Manufactured for Reneotech, Inc., North Bergen,
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EPA Company # 96626

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US and international patent pending.

www.EcoVengerPro.com

Best Use Before

¹ Use ER-3 for comprehensive mosquito control with spatial repellency.



See next page for
more instructions



MIXING INSTRUCTIONS AND EQUIPMENT: This product should be mixed only with water as instructed. Use equipment such as compressed air sprayers, backpack sprayer, ULV fogger or any non-thermal conventional fogging/spraying/misting equipment. Clean sprayer before use. Shake product well before mixing. Add approximately half (1/2) of the required water volume to the spray tank. Introduce the measured amount of product concentrate; then add the remaining water volume. Seal tank and agitate well before use. Apply the solution directly to target surfaces according to the instruction. It is recommended that the diluted solution be used within 24 hours of mixing. Maintain light agitation throughout the application process.

MIXING AND APPLICATION RATE: Product should be applied at rate of 1 gallon per 1000 square feet or per 1000 cubic feet.

Target Insects	Applications	Mixing Rate with Water	Remarks
Bed bugs	Indoor bed bug control	For best results and active infestations: 64 oz/gal Maintenance: 16-64 oz/gal depending on the infestation level	Flat fan or pin stream setting. Kills on contact and with residual. ² Eliminates all life stages. Residual duration depends on the surface material and structure.
Roaches	Indoors roach control		Flat fan or pin stream setting. Kills on contact with extended repellency. ³
Wasps and Yellow Jackets	Outdoor stinging insect control	For best results: 64 oz/gal	Flat fan low pressure setting. Allow 30 minutes for mortality. Wait 24 hours before nest removal. Protective gear is required.
Crickets, Beetles, Earwigs, Dermestids, Millipedes, Spiders, Silverfish and Stink Bugs	Indoor and outdoor pest control	For best results: 32 oz/gal For maintenance: 8-32 oz/gal depending on the infestation level If spraying vegetation: 6 oz/gal	Flat fan or pin stream setting. See more instructions under "General Pest Control". Kills both House ants and Fire ants on contact and prevents foraging activities with extended residual. ⁴ Eliminates ants in ant nests, see next page for detail of ant nest treatment.
House ants, Fire ants, House Flies, Lantern flies, Midges, Mites, Moths, Mosquitoes and Springtails	Indoor and outdoor pest control	For best results and active infestations: 24 oz/gal For maintenance: 6-24 oz/gal depending on the infestation level	
Gnats, Mites, Fleas, Lice, Stable Flies and Ticks.	Topical pest control for pets, livestock, horses or poultry.	For best results and active infestations: 16 oz/gal For maintenance: 6-16 oz/gal depending on the infestation level	Flat fan low pressure setting. Spray directly onto livestock, animals, or poultry for sufficient coverage. Spray habitats such as barns, coops or cages. Avoid spraying on animal feed. Rinse animals with clean water and let air dry before slaughtering or milking.
Aphids, Armyworms, Bagworms, Chiggers, Chinch bugs, Spider mites, Mealybugs, Thrips and Whiteflies.	Pest control for lawn, garden, greenhouse, turf, trees and shrubs.	For best results and active infestations: 6 oz/gal For maintenance: 2-6 oz/gal	Flat fan low pressure setting. Spray both the upper and under sides of leaves to the point of run-off. For delicate plants, test for phytotoxicity before application. Spray soil to the point of saturation to eliminate soil breeding species. For edible crops, rinse thoroughly with water before serving.

^{2,3,4} Based on independent lab study data.

BED BUG CONTROL: Product effectively eliminates bed bugs across all life stages, including strains exhibiting pesticide resistance, with fast knockdown, a high mortality rate, and extended residual effectiveness. For treating active infestations, the recommended mixing rate is 64 oz/gal, while a 16-64 oz/gal ratio is advised for maintenance and preventative applications. Apply the solution using a flat fan setting directly onto structures such as closets and furniture, paying special attention to edges and joints of bed frames, headboards, box springs, mattresses, couches, chairs, and other upholstered items. Application should also cover windows, blinds, curtains, walls, baseboards, moldings, and rugs, or any area where bed bug activity is found or likely to occur. Spray the surface until it is moist but not soaking. Use pin stream for spot treatments covering edges, corners, seams, joints, cracks, crevices, and other potential bed bug harborage areas.

HOUSE ANT & FIRE ANT CONTROL: Product provides targeted and sustained ant control through its fast-acting formula. It delivers immediate knockdown of foraging ants, effectively disrupting established trails and eliminating visible activity. Furthermore, it creates a residual repellent barrier that prevents re-entry, ensuring protection against infestation for up to four weeks. For best results, for both indoor and outdoor, apply at a rate up to 24 oz/gal with flat fan setting directly to ant trails, entry points, and high-traffic areas for rapid elimination and long-term control. If treating near vegetation, a 6 oz/gal mixing ratio must be used to mitigate the risk of phytotoxicity. Spray to the point of run-off. For **Ant & Fire ant mound treatment**, ensure the soil is adequately moist or irrigate prior to application. Apply with broadcast treatment at a rate of 24 oz/gal. Apply 1 to 2 finished gallons per mound by thoroughly sprinkling the mound until saturated. Application must extend outward to a three-foot perimeter surrounding the mound. The solution should be applied with sufficient force to break the mound's apex, allowing the treatment to flow directly into the ant tunnels and galleries.

ROACH CONTROL: Product offers effective dual-action cockroach control, providing both contact mortality of existing pests and an extended repellent barrier against future infestation. For optimal performance, apply at 16-64 oz/gal with a flat fan setting directly to visible roaches and target known harborage areas such as behind appliances, along baseboards, and within cabinet crevices. This approach ensures rapid elimination while maintaining up to four weeks of residual protection to deter re-entry.

STINGING INSECT CONTROL (WASPS & YELLOW JACKETS): Treat nest with a 64 oz/gal rate in the late evening when insects are inactive. Thoroughly spray the nest and entrance/exit holes to the point of saturation. Liberally treat hiding and breeding sites, such as under attic rafters, as well as surrounding areas they may land/rest near the nesting area, ensuring contact with the maximum number of insects possible. Repeat if necessary. Wait for at least 24 hours before removal of nest.

GENERAL PEST CONTROL: Use 6-32 oz/gallon for the desired level of performance. If treating any target insect near or on vegetation, a 6 oz per gallon mixing ratio must be used to mitigate the risk of phytotoxicity. For perimeter control, apply to a band of soil and vegetation up to 10 feet wide around and adjacent to buildings. Treat 2 to 3 feet up from foundation. Spot treat all entry points, apply in eaves, around windows and doorways, to control occasional invaders. Apply using a flat fan setting along insect trails and wherever pests are found, ensuring complete coverage to the point of run-off. It is highly recommended to remove all accessible food sources prior to treatment and to avoid spraying edible crops.

LIVESTOCK PEST CONTROL: Product is highly effective for ectoparasite control on livestock, horses, and poultry. Use rate 6-16 oz/gal, allowing for direct on-animal treatment to achieve sufficient coverage. For comprehensive management, the product should also be applied to associated structures like barns, coops, and cages. When used on animals intended for meat or dairy production, safety protocols require thorough rinsing with clean water and air drying prior to milking or slaughter, while ensuring application strictly avoids animal feed.

ENVIRONMENTAL STABILITY AND PERFORMANCE: Product contains insecticidal botanical oils, its performance efficacy may be subject to variability influenced by environmental conditions, including ambient temperature, precipitation, and overall weather patterns. For optimal results and sustained efficacy, application is recommended during cooler periods, specifically when the temperature ranges between 65-80°F.

IMPORTANT: READ BEFORE USE, Conditions of Sale and Limitation of Warranty and Liability: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the unopened product immediately. The Directions for Use must be carefully followed. Notwithstanding adherence, certain inherent risks remain unavoidable. Manufacturer and Seller disclaim liability for any resulting plant or animal injury, lack of effectiveness, or other unintended outcomes caused by external variables, including, but not limited to, manner of use, application method, weather, or crop conditions. The Buyer and User assume all such risks and agree to hold Manufacturer and the Seller harmless from any claims stemming from these exogenous factors. **DISCLAIMER OF WARRANTIES:** To the fullest extent permissible by applicable law, the Manufacturer disclaims all other warranties, whether express or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose, which extend beyond the representations stipulated on this label. No agent of the Manufacturer is authorized to create, extend, or modify the warranties provided herein. Furthermore, and to the extent consistent with applicable law, the Manufacturer disclaims any and all liability for special, incidental, or consequential damages resulting from the use or handling of this product. **LIMITATION OF LIABILITY:** To the extent consistent with applicable law, the sole and exclusive remedy available to the user or buyer for any and all losses, injuries, or damages arising from the use or handling of this product—irrespective of the legal theory, including breach of contract, warranty, tort (including negligence), strict liability, or otherwise—shall be limited to the purchase price paid for the product or, at the Manufacturer's sole discretion, the replacement of the product.