



**OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION**

WASHINGTON, D.C. 20460

July 16, 2025

Jack Orman  
Technical Director  
Bengal Products, Inc.  
13739 Airline Hwy  
Baton Rouge, LA 70817

Subject: Label Amendment - Registration Review Mitigation for Permethrin  
Product Name: BENGAL MULTI-PURPOSE INSECTICIDE SPRAY  
EPA Registration Number: 68543-32  
Application Date: March 24, 2021  
Decision Number: 572546  
Case Number: 00477179

Dear Jack Orman,

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Alex McKee by phone at 202-566-1939, or via email at [mckee.alex@epa.gov](mailto:mckee.alex@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Dana L. Friedman". The signature is fluid and cursive, with the first name "Dana" and last name "Friedman" clearly legible.

Dana L. Friedman, Chief  
Risk Management and Implementation Branch 1  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency

ENCLOSURE: Stamped label

## BENGAL® MULTI-PURPOSE INSECTICIDE SPRAY

[Alternate Brand Name: BENGAL® FLYING INSECT KILLER 2]

{ Comments in curly brackets are for label reviewer }

- [Controls Residential, Industrial and Garden Insects]
- [For Treatment of Clothing, Nets, Tents, Sleeping Bags & Backpacks]
- [Kills & Repels Mosquitoes and Ticks]
- [One Clothing [Fabric] Treatment Lasts 2 Weeks! ]
- [For Use on Dogs and on Premises to Control Fleas and Ticks]
- [Controls Fleas and Ticks on Dogs for 14 Days]
- [A Water-Based Aerosol]
- [Controls Pests for up to Four Weeks]
- [Kills Lice and Their Eggs on mattresses, furniture, car interiors and other non-washable items]
- [Kills House [Helps Control] Dust Mites in Carpets, Curtains and on Upholstery]
- [Controls [Helps Control] House Dust Mites (Dermatophogoides spp.) for up to 8 Weeks [2 months, 60 Days] in Carpets, Curtains and on Upholstery]
- [Controls House [Helps Control] Dust Mites that may cause Asthma, Hay Fever, Rhinitis, Watery Eyes, Sneezing]
- [Effective in the Control of Dust Mites]
- [For Bedding and Furniture]
- [Not For Use On Humans]
- [Home Lice Control Spray for Bedding and Furniture]
- [1-2-3 Lice Control System]
- [Kills [Flying] Insects on Contact]
- [Indoor-Outdoor [Flying] Insect Killer]
- [Guaranteed to Work or Your Money Back]
- [A residual barrier control product to kill mosquitoes in outdoor areas]
  - [Kills [and Repels] mosquitoes that may carry Zika virus]
  - [Kills (and Repels) mosquitoes that may carry West Nile virus]
  - [Kills (and Repels) mosquitoes that may carry Zika and West Nile]
  - [Kills Stink Bugs, Brown Marmorated Stink Bugs (BMSB), Asian Lady Beetles, and Boxelder Bugs]

**ACCEPTED**

Jul 16, 2025

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 68543-32

### ACTIVE INGREDIENT:

Permethrin ..... 0.50%

OTHER INGREDIENTS\* ..... 99.50%

TOTAL ..... 100.00%

\*Contain petroleum distillates

[PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)]

EPA Reg. No. 68543-32

EPA Est. No. \_\_\_\_\_

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautions

NET WEIGHT \_\_\_\_\_ oz.

#### **FIRST AID**

If On Skin • Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If In Eyes • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Have the product container or label with you when calling a poison control center or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

#### **PRECAUTIONARY STATEMENTS**

##### **Hazards To Humans [and Domestic Animals]**

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt and long pants, socks, and shoes.

##### **Environmental Hazards**

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and run-off may be hazardous to fish in water adjacent to treated areas. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use for additional precautions and requirements.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

[Products used exclusively indoors may omit the Environmental Hazards Statement]

##### **Physical Or Chemical Hazards**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54°C) may cause bursting. Never leave container in parked or unattended vehicles.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For indoor use only {when only indoor instructions are included, OR} For both indoor and outdoor use {when both indoor and outdoor instructions are included}

#### **USE RESTRICTIONS**

- [Space Spray: Do not enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.]
- [Surface Spray: [Except when making fabric treatments or pet applications,] Do not enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not wet articles to the point of runoff or drip.]
- [Pet Spray: Except when applying to pets, do not apply this product in a way that will contact adults, children or pets either directly or through drift.]
- Do not breathe vapors or spray mists.
- Do not apply when food is present.

- Follow proper disposal procedures on this label. (Siga las indicaciones del etiquetado para el desecho apropiado del producto.)
- Do not allow to enter indoor or outdoor drains, (No permita la entrada a desagües internos o externos.)



{Optional outdoor use restrictions follow}

[Outdoor Uses: All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: 1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation; 2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn); 3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure; 4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch; 5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level; 6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.

Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

Do not allow the product to enter any drain during or after application.

Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply or irrigate to the point of runoff.

Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.). Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application. For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds. Do not apply when the wind speed is greater than 15 mph. Treat surfaces to ensure thorough coverage but avoid runoff. To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.]

### **SHAKE WELL BEFORE USING**

**INDOOR USE:** Remove protective cap, hold container upright and spray from a distance of 12 to 15 inches (8 to 10 inches for clothing, furniture and bedding).

[Space Spray:] Houseflies, Fruit Flies, Mosquitoes, Gnats, Asian Lady Beetles, Black Flies, Skipper Flies, Blow Flies and Small Flying Moths: Close all doors and windows and spray room at the rate of 2 to 3 seconds per 1000 cubic feet. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Retreat if infestation occurs, but not more than once every two weeks.

[Surface Spray:] Cockroaches, Waterbugs, Palmetto Bugs, Silverfish, Firebrats, Crickets, Scorpions, Spiders, Stink Bugs, Millipedes, Centipedes, Sowbugs, Pillbugs, Brown Marmorated Stink Bugs (BMSB), Asian Lady Beetles, and Boxelder Bugs: Apply only as baseboard, crack and crevice or spot treatment. Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray when ever possible. Retreat if infestation occurs, but not more than once every two weeks.

Ants: Spray trails, nests and points of entry. Spray on ants where possible. Retreat if infestation occurs, but not more than once every two weeks.

Indian Meal Moths, Angoumois Grain Moths: Close doors and windows, direct spray into all parts of room especially around stored food product containers, pallets and darkened areas. Spray 7 to 10 seconds for each 1000 cubic feet of space. Keep area closed for 15 minutes following treatment. Spray to the point of dampness but not run-off. Retreat if infestation occurs, but not more than once every two weeks.

Exposed stages of Confused Flour Beetles, Saw-Toothed Grain Beetles, Red Flour Beetles, Rice Weevils, Granary Weevils, Grain Mites: Spray into cracks and crevices, around cartons or containers or other areas where these insects tend to congregate. Spray 30 seconds for each 100 square feet of surface. Keep area closed for 45 minutes to 1 hour after treatment. Spray to the point of dampness but not run-off. Retreat if infestation occurs, but not more than once every two weeks. Infested stored food products in the home should be disposed of. Carpet Beetles: Spray directly on beetles, floors, baseboards, shelves, and carpets. Spray to the point of dampness but not run-off. Retreat if infestation occurs, but not more than once every two weeks. Bedbugs: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. If lice infestations should occur on humans, use a product labeled for use on humans. Spray to the point of dampness but not run-off. After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover. Retreat if infestation occurs, but not more than once every two weeks.

To control Clothes Moths and Carpet Beetles on wool and other proteinaceous fibers: Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storage directing the spray into cracks, joints and crevices. Spray to the point of dampness but not run-off. After airing, infested articles may be treated by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining.

To Control [Kill] [Helps Control] House Dust Mites (*Dermatophagoides* spp.): Bengal Multi-Purpose Insecticide Spray controls [Helps Control] house dust mites that may cause asthma, hay fever, rhinitis, watery eyes and sneezing. One treatment lasts for up to 8 weeks [2 months, 60 days]. On Upholstered Furniture - test fabric in an inconspicuous area to insure



dyes will not bleed. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray all fabric surfaces until damp. Spray to the point of dampness but not run-off. Do not use on delicate fabrics. Allow furniture to dry thoroughly before using. On Carpets - Spray over entire carpet until damp. Spray to the point of dampness but not run-off. Hold the nozzle approximately 12 to 18 inches from the carpet surface and spray in a sweeping motion. Use an overlapping pattern to insure total coverage. After application, brush the surface of the carpet with a broom or brush to insure deep penetration. Allow carpet to dry thoroughly before reentering the treated area. Drying time can be accelerated by using a fan. On Mattresses - spray the top, bottom and sides of mattresses until damp, paying particular attention to tufts and seams. Allow to dry thoroughly before using. After mattress is dry, cover and sheet. Do not use mattress without cover. Vacuum entire area once dry. Since vacuuming stirs dust up in the air those with allergies should have another person vacuum or should wear a dust mask and use vacuum with a high efficiency particulate (HEPA) filter.

Fleas and Ticks (Adults and Larvae): Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering, with special attention to cracks and crevices around baseboards and window and door frames. Infested upholstered furniture may also be treated with this product. Spray to the point of dampness but not run-off. A test application should be made to upholstery or drapery fabrics in an inconspicuous place before use.

Bengal Multi-Purpose Insecticide Spray is Step 3 in the Bengal's Lice Control System.  
Step 1: Kill lice with Bengal Lice Shampoo. Re-apply in 10 days.  
Step 2: Comb out eggs & nits.  
Step 3: Clean home. Use Bengal Multi-Purpose Insecticide Spray for non-washable items. Washables should be washed in hot water and dried in high heat.

To kill Lice and Louse Eggs: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray each square foot for three seconds. Spray to the point of dampness but not run-off. Allow all sprayed articles to dry thoroughly before use. \*Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Do not use on sheets or pillowcases.

**READ ENTIRE LABEL BEFORE EACH USE  
USE ONLY ON DOGS. DO NOT USE ON CATS.**

Application of product on pets must only be done indoors. To control Fleas, Ticks and Lice on dogs. Starting at the tail, stroke against the lay of the hair, spraying the parted fur in short bursts, directly behind the hand to insure penetrating the coat. Dampen the fur up to the head. Retreat if infestation occurs, but not more than once every two weeks. Do not spray directly in/on eyes, mouth or genitalia of pets. Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using any pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

**CLOTHING TREATMENT:**

Clothing treatment only - do not apply to skin.

For protection against Ticks (including those which may carry Lyme disease) and Mosquitoes, apply product as directed below. For further protection, use in conjunction with an insect repellent registered for direct application to the skin and utilize the following primary preventive measures. Avoid areas where the pests are found, wear appropriate protective clothing (light-colored, long-sleeved shirt and long pants tucked into socks) and inspect body daily for ticks. Pant cuffs should be worn inside the socks or footwear to ensure full protection against ticks.

Initial Treatment Instructions:

1. Select a well-ventilated outdoor area protected from wind and lay out the clothing to be treated (as complete outfit; shirt, trousers and socks).
2. Hold can upright about 6 to 8 inches from surface of the clothing and spray with a slow sweeping motion to lightly moisten the surface of the fabric.
3. Continue spraying over entire outfit, until a total treatment time of 60 seconds has elapsed and the outer surface of the fabric is moist enough to cause a slight color change or darkening. Pay special attention to socks, trouser cuffs and shirt cuffs.
4. Turn the clothing over and treat the other side as described in Steps 2 & 3.
5. Hang the treated clothing and allow to dry for at least 2 hours (4 hours under humid conditions) before wearing.
6. One can will treat one [two] complete outfit(s). Do not exceed recommended spraying times.

Retreatment Instructions:

This product contains an active ingredient which actually binds to the fabric being treated, providing residual protection which lasts a minimum of two weeks, and hold up through several machine washings.

**DO NOT RETREAT CLOTHING MORE THAN ONCE EVERY TWO WEEKS.**

**LAUNDRY CLOTHING AT LEAST ONCE BEFORE RETREATING.** For retreatment, follow instructions for initial treatment.

{Optional outdoor use directions follow}

**TREATMENT OF NETS, TENTS, SLEEPING BAGS AND BACKPACKS:**

Initial Treatment Instructions: Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out article to be treated. Hold can upright about 6 to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article, until the outer surface of the article is moist enough to cause a light color change or darkening. Turn the article over and treat the other side as described in steps 2 and 3 above for clothing treatment. Hang the treated article and allow to dry for at least 2 hours (4 hours under humid conditions) before using.

Retreatment Instructions: This product contains an active ingredient which actually binds to the fabric being treated, providing residual protection which lasts a minimum of two weeks. **DO NOT RETREAT ARTICLES MORE THAN ONCE EVERY TWO WEEKS.** For retreatment, follow instructions for initial treatment.

{Optional outdoor use directions follow}

**OUTDOOR USE:**

**FOR THE CONTROL OF GARDEN INSECTS:** For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray, as well as Whiteflies, Aphids, exposed Thrips, Spider Mites, Red Mites and Leafminers.



May be used on plants, as well as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas. May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwood, English ivy, euonymus, fuschia, geraniums, crassula, grape vine, Kentia palm, laurel, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias. Effective when used as directed against Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Spray in one second bursts. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F (32°C). Contact insects directly whenever possible. Retreat if infestation occurs, but not more than once every two weeks.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in a cool dry area. Always store pesticides in the original container. Store away from food and pet food.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Do Not Puncture or Incinerate! Nonrefillable container. Do not reuse or refill this container.

If Empty: Place in trash or offer for recycling if available.

If partly filled: Do not pour or dispose down-the-drain or sewer. Call your local solid waste Agency for local disposal options.

**[GUARANTEE:** If you are not completely satisfied with this Bengal Product, call 225-753-1313 weekdays 8:30am - 4:00pm Central Time.]

Manufactured for:  
Bengal Products Inc.  
13739 Airline Highway  
Baton Rouge, LA 70817  
[Phone Number]

[[www.bengal.com](http://www.bengal.com)]

[UPC CODE]

[...] and (...) denotes optional language