



KICKER®

Specimen Label

- * CONTAINS PYRENONE®
- * EMULSIFIABLE INSECTICIDE CONCENTRATE CONTAINING PYRENONE
- * PROVIDES RAPID KNOCKDOWN AND KILL OF INSECTS
- * MAY BE TANK-MIXED WITH RESIDUAL INSECTICIDES AND INSECT GROWTH REGULATORS
- * FOR USE IN GERMAN COCKROACH RESISTANCE MANAGEMENT PROGRAMS
- * AUTHORIZED BY USDA FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS
- * MAY BE APPLIED AS A WET SPRAY WHILE FOOD PLANTS ARE IN OPERATION

ACTIVE INGREDIENTS:

Pyrethrins6.0%
*Piperonyl Butoxide, Technical60.0%
**OTHER INGREDIENTS:34.0%
	100.0%

*Equivalent to min. 48.0% (butylcarbityl) (6-propylpiperonyl) ether and 12.0% related compounds.

**Contains Petroleum Distillate

EPA REG. NO. 432-1145

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED: Contact a physician or Poison Control Center immediately. Do not induce vomiting unless directed by a physician. This product contains petroleum distillate and vomiting may cause aspiration pneumonia.

IF IN EYES: Flush with water for approximately 15 minutes. Contact a physician if irritation persists.

IF ON SKIN: Remove contaminated clothing. Wash skin with plenty of soap and water. Contact a physician if irritation persists.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

In case of *Medical* emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-334-7577.

For product information Call Toll-Free: 1-800-331-2867

See Next Page For Additional Precautionary Statements

NET CONTENTS:

BAYER ENVIRONMENTAL SCIENCE
 A Business Group of Bayer CropScience LP
 95 Chestnut Ridge Road • Montvale, NJ 07645

READ ENTIRE LABEL BEFORE EACH USE
For Pet Use: Use Only On Dogs And Cats

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Do not get in eyes. Do not breathe spray mist. Wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

Do not spray directly in/on eyes, mouth or genitalia of pets. Do not use on dogs or cats 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.

When using this product as a space spray in food processing plants, foods should be removed or covered during treatment. Do not apply as a space spray while food processing is underway. Food processing surfaces and equipment must be covered during treatment or cleaned with a suitable detergent and rinsed with potable water before reuse. Except in Federally inspected meat and poultry plants, food processing operations may continue when this product is applied as a surface spray with care and in accordance with the directions and precautions given above.

Environmental Hazards

This product is toxic to fish, shrimp, crab and other aquatic organisms. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high watermark. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

A highly versatile Pyrethrin Insecticide Concentrate for indoor or outdoor application as a surface, space, area or contact spray. Kicker may be applied through mechanical, aerosol or ULV generators as well as thermal fogging equipment and conventional fogging or spraying equipment. Kicker may be applied as a general surface, space, spot or crack and crevice treatment in both food and non-food areas of food handling establishments and is authorized for use in all areas of official establishments operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs. Kicker is intended for use in and around buildings and structures as well as modes of transport.

INDOOR USE AREAS: Apartment buildings, Bakeries, Beverage Plants, Bottling Facilities, Breweries, Cafeterias, Candy Plants, Canneries, Cereal Processing and Manufacturing Plants, Dairies and Dairy Product Processing Plants, Frozen Food Plants, Grain Elevators, Grain Mills, Granaries, Homes, Hospitals, Hotels, Houses, Industrial Buildings, Kennels, Kitchens, Laboratories, Manufacturing Facilities, Mausoleums, Meat Processing and Packaging Plants, Meat and Vegetable Canneries, Motels, Nursing Homes, Office Buildings, Restaurants, Schools, Spice Plants, Stores, Supermarkets, Warehouses, Wineries and Similar Structures.

OUTDOOR AREAS: Drive-in Restaurants, Drive-in Theaters, Golf Courses, Parks, Playgrounds, Recreational Areas, Urban Areas and Zoos.

MODES OF TRANSPORT: Buses, Trucks, Trailers, Rail Cars and Marine Vessels.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried.

The insecticidal components of Kicker, pyrethrins and piperonyl butoxide, are classified as food additives and established tolerances will not be exceeded when used as directed. Kicker may be diluted with water or oil and applied with conventional application equipment including, but not limited to, compressed air sprayers, power sprayers, mechanical aerosol generators (ULV generators or cold foggers) and thermal foggers (oil dilutions only). When diluting with water, prepare only the amount needed for immediate use and agitate occasionally during use. Holding a water dilution more than 24 hours is not recommended. For oil dilutions that are applied in food handling establishments, a deodorized petroleum oil which conforms with CFR 21 (especially section 172.884) is required (such as Exxon Isopar M, Ashland Low Odor Base Solvent or their equivalents).

Tank-mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label dosages may be exceeded. This cannot be tank-mixed with any product with label prohibitions against such mixing.

INDOOR USE AS A CONTACT AND SURFACE SPRAY

GENERAL PEST CONTROL: To control accessible, exposed stages of crawling insects including, but not limited to, *Ants, Cockroaches, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Dried Fruit Beetles, Drugstore Beetles, Grain Mites, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Spider Beetles, Yellow Mealworms* in sites that include, but are not limited to, apartments, homes, restaurants, food processing plants, industrial installations and warehouses, dilute at the rate of up to 4.25 fluid ounces of Kicker per gallon of water and apply at the rate of 1 gallon to 750 square feet. Thoroughly spray the surfaces where these insects are usually found including walls, baseboards, moldings, doors, cabinets, shelves, sinks and pipes with special attention to cracks and crevices, niches, dark corners, drains and other harborage sites.

Except in Federally inspected meat and poultry plants, food processing operations may continue when Kicker is applied as a surface, spot or crack and crevice treatment in accordance with the directions and precautions given above.

DILUTION CHART

Fluid Ounces Of Kicker Per Gallon	Approximate	
	% Pyrethrins	%Piperonyl Butoxide
0.25	0.0125	0.125
0.5	0.025	0.25
1.0	0.05	0.5
2.125	0.1	1.0
4.25	0.2	2.0

IN USDA INSPECTED FACILITIES: To control accessible, exposed stages of crawling insects including, but not limited to, *Ants, Cockroaches, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Dried Fruit Beetles, Drugstore Beetles, Grain Mites, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Spider Beetles, Yellow Mealworms*, dilute 2.125 fluid ounces of Kicker per gallon of water and apply at the rate of 1 gallon to 750 square feet. Thoroughly spray the surfaces where these insects are usually found including walls, baseboards, moldings, doors, cabinets, shelves, sinks and pipes with special attention to cracks and crevices, niches, dark corners, drains and other harborage sites.

IN COMBINATION WITH RESIDUAL INSECTICIDES (including, but not limited to, Baygon, Commodore, Conquer, Cynoff, Demon, Diazinon, Dursban, Empire, Ficam, Pyrid, Safrotin, and Tempo):

To provide flushing and quick knockdown of insects: Kicker may be tank-mixed with other insecticides at the rate of 1/4 to 1/2 ounce (equivalent to 1/2 to 1 tablespoon or 7.4 to 14.8ml) per gallon of finished spray.

To provide increased control of resistant German cockroaches: tank-mix 2.125 to 4.25 fluid ounces of Kicker with the appropriate amount of companion insecticide per finished gallon and apply per the Directions for Use on the companion insecticide label. In USDA inspected facilities, tank-mix 2.125 fluid ounces of Kicker with the appropriate amount of companion insecticide per finished gallon and apply per the Directions for Use on the companion insecticide label.

Prior to tank-mixing, a small jar compatibility test should be conducted using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. When tank-mixing Kicker with wettable powder formulations, first add the wettable powder to the diluent and agitate to thoroughly suspend it in solution and then add the desired amount of Kicker to the diluted wettable powder. Tank-mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Baygon, Commodore, Conquer, Cynoff, Demon, Dursban, Empire, Ficam, Pyrid, Safrotin and Tempo are Registered Trademarks of Bayer, Zeneca Inc., Paragon Professional Pest Control Products, FMC Corporation, DowElanco, the Aventis Group, Terminix International Inc., and Sandoz Ltd., respectively.

FLEA AND TICK CONTROL IN BUILDINGS: Dilute 2.125 to 4.25 fluid ounces of Kicker per gallon of water and apply the spray thoroughly to infested areas such as pet beds and resting quarters, nearby cracks and crevices, rugs and floor coverings (including under their edges) between and under the cushions of upholstered furniture and other areas where these pests may be present. Entire rugs and furniture should be treated at the rate of 1 gallon of dilute spray per 750 square feet of surface.

In combination with conventional residual insecticides: To provide quick knockdown of adult fleas, tank-mix 0.5 to 1.0 fluid ounces of Kicker with the appropriate amount of companion insecticide per finished gallon and apply per the Directions for Use on the companion insecticide label.

Prior to tank-mixing, a small jar compatibility test should be conducted using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank-mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

In combination with Insect Growth Regulators: To provide quick knockdown of adult fleas, tank-mix 2.125 to 4.25 fluid ounces of Kicker with the appropriate amount of companion insecticide per finished gallon and apply per the Directions for Use on the companion insecticide label.

Prior to tank-mixing, a small jar compatibility test should be conducted using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank-mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Pet bedding should be removed and replaced with fresh bedding after treatment of pet areas. The pets should also be treated with an EPA approved product before they are allowed to enter the treated area. Dogs and cats may be treated with Kicker by diluting 2.125 fluid ounces per gallon of water and spraying or sponging thoroughly (to penetrate the hair and contact the skin) to all parts of the animals body except the eyes, nose, mouth and genitalia.

PANTRY PEST CONTROL: To control exposed adult and immature stages of Stored Product Insects including, but not limited to, *Almond Moths, Angoumois Grain Moths, Cadelles, Cigarette Beetles, Confused Flour Beetles, Drugstore Beetles, Flat Grain Beetles, Granary Weevils, Indianmeal Moths, Lesser Grain Borers, Maize Weevils, Mediterranean Flour Moths, Merchant Grain Beetles, Red Flour Beetles, Rice Weevils, Rusty Grain Beetles, Sawtoothed Grain Beetles and Squarenecked Grain Beetles*, dilute 2.125 to 4.25 fluid ounces of Kicker per gallon of water and apply to cupboards, shelves and storage areas. Remove all utensils, unprotected foodstuffs (or any with original packaging that has been opened), shelf paper and other objects before treatment. Allow treated surfaces to dry and then cover shelves with clean paper before replacing any utensils, foodstuffs or other items. Discard any foodstuff that was accidentally contaminated with the spray solution.

PREMISE PEST CONTROL: Termite swarms: To control swarming termites, dilute 2.125 to 4.25 fluid ounces of Kicker per gallon of water and apply as a surface spray at the rate of 1 gallon per 750 square feet. Apply as a crack and crevice treatment to the locations from which the termites are emerging.

Carpet Beetles: To control Carpet beetles (black, furniture and varied), dilute 4.25 fluid ounces of Kicker per gallon of water and apply to the entire carpet at the rate of 1 gallon per 750 square feet. Make localized applications under the edge of carpets, floor coverings and furniture as well as along baseboards, in closets and to infested areas of shelving.

Bed Bugs: To control Bedbugs, dilute 2.125 fluid ounces of Kicker per gallon of water and apply thoroughly to the top, ends, sides and bottoms of mattresses paying special attention to tufts, seams and folds. Treat bedsprings and frames, including all cracks and joints. Apply as a crack and crevice treatment to all baseboards, moldings, flooring, closets, shelves, furniture and picture frames that may provide harborage to bedbugs.

Webbing Clothes Moths: To control Clothes Moths, remove infested articles from storage, brush them thoroughly and air-dry them in sunlight for several hours. Dilute 2.125 fluid ounces of Kicker per gallon of water and apply as a crack and crevice treatment to empty chests, bureaus and storage sites. After airing, infested articles may be lightly treated with the spray solution (keep the nozzle at least three feet from the fabric to avoid staining).

FOR INDOOR APPLICATIONS: Remove pets (including birds) from the area being treated and cover fish aquaria before spraying.

INDOOR USE AS A SPACE SPRAY

To control crawling and flying insects in sites that include, but are not limited to, food processing plants, (INCLUDING USDA INSPECTED FACILITIES), industrial installations and warehouses, Kicker may be diluted with water and applied as a space spray. For best results, close doors and windows before spraying and keep them closed for 30 minutes after treatment. The applicator must vacate the area after treatment and ventilate before reoccupying. Where oil residues are not undesirable, Kicker can be diluted in deodorized base oil instead of water and applied with mechanical, thermal or ULV applicators.

The use of this product in food processing or food handling establishments must be confined to time periods when the plant is not in operation. Foods must be covered or removed during treatment. Food processing surfaces and equipment must be covered during treatment or cleaned with a suitable detergent and rinsed with potable water before reuse.

CRAWLING AND FLYING INSECTS: For control of accessible, exposed stages of CRAWLING INSECTS including, but not limited to, *Ants, Cockroaches, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Dried Fruit Beetles, Drugstore Beetles, Grain Mites, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Spider Beetles, Yellow Mealworms* and *Flying Insects* including, but not limited to, *Angoumois Grain Moths, Cheese Skippers, Fruit Flies, Fungus Gnats, Gnats, House Flies, Indianmeal Moths, Mosquitoes, Mediterranean Flour Moths, Small Flying Moths, Tobacco Moths*, dilute 10.67 fluid ounces of Kicker per gallon of water or oil and apply at the rate of 1 ounce per 1000 cubic feet of space. Direct the spray towards the ceiling and upper corners of the area and behind obstructions. Vacate the treated area and keep the area closed for at least 30 minutes after treatment. Ventilate the area before reoccupying. Repeat treatment as necessary.

FLYING INSECTS: For control of accessible, exposed stages of flying insects including, but not limited to, *Angoumois Grain Moths, Cheese Skippers, Fruit Flies, Fungus Gnats, Gnats, House Flies, Indianmeal Moths, Mosquitoes, Mediterranean Flour Moths, Small Flying Moths, Tobacco Moths*, dilute 2.67 fluid ounces of Kicker per gallon of water or oil and apply at the rate of 1 ounce per 1000 cubic feet of space. Direct the spray towards the ceiling and upper corners of the area and behind obstructions. Vacate the treated area and keep area closed for at least 30 minutes after treatment. Ventilate the area before reoccupying. Repeat treatment as necessary.

VOID AREA TREATMENT: Undiluted ULV treatment: To treat inaccessible voids including, but not limited to, attics, false ceilings, wall and equipment voids, calculate the volume of the void and apply Kicker through Actisol® or other ULV crack and crevice application equipment at the rate of 0.33 fluid ounces per 1000 cubic feet of space.

OUTDOOR USE

PERIMETER TREATMENTS: To control *Ants, Bees, Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Ground Beetles, Millipedes, Pillbugs, Silverfish, Sowbugs, Spiders, Ticks and Wasps*, dilute 2.125 to 4.25 fluid ounces of Kicker per gallon of water and apply at the rate of 1 gallon per 750 square feet to a band of soil and vegetation 6 to 10 feet wide around and adjacent to buildings. Treat the building foundation to a height of 2 to 3 feet at the rate of 1 gallon per 750 square feet.

TICK CONTROL: To control *Brown Dog Ticks* around residential areas, rural fields, woods, lots, roadsides, pathways and coastal vegetation areas, dilute 4.25 fluid ounces of Kicker per gallon of water and apply with a mist blower (or other similar equipment) calibrated to deliver 3 gallons per acre. Apply during the peak of infestation and repeat as necessary to maintain control. Thorough applications should be made to the vegetation upon which the ticks rest.

FLEA CONTROL: To control fleas around residential areas, dog houses, kennels, paths, patios and under plants, shrubs, trees or other shaded, moist areas where pets may rest, dilute 4.25 fluid ounces of Kicker per gallon of water and apply at the rate of 1 gallon per 750 square feet. In combination with other insecticides: To provide quick knockdown of the outdoor pests listed above when used with a residual insecticide, tank-mix 1.0 to 2.125 fluid ounces of Kicker with the proper amount of companion insecticide and apply per the Directions for Use on the companion insecticide label.

Prior to tank-mixing, a small jar compatibility test should be conducted using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank-mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

USE ON TURF AND GRASS: Used alone as a contact spray: To control *Ants, Armyworms, Billbugs, Chinch Bugs, Chiggers, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Hyperodes Weevils (adults), Japanese Beetles (adults), Mole Crickets, Sod Webworms And Ticks*, dilute and apply per the instructions in the following table:

Treatment Area (Square Feet)	Fluid Ounces Of Kicker	Suggested Volume ^a Of Water (Gallons)
1000	0.25 to 0.5	2.5 to 5.0
5000	1.25 to 2.5	12.5 to 25.0
20000	5.0 to 10.0	50.0 to 100.0
43560 ^b	12.0 to 24.0	110.0 to 220.0

^a Dilute with enough water to obtain thorough coverage.

^b 43560 square feet = 1 acre.

In combination with other insecticides: To provide quick knockdown of insects when used with a residual insecticide, tank-mix Kicker at the rate listed above with the proper amount of companion insecticide and apply per the Directions for Use on the companion insecticide label.

Prior to tank-mixing, a small jar compatibility test should be conducted using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. Tank-mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

As a turf pest diagnostic aid: To detect turf insects prior to making an insecticide application or to evaluate control from previous treatments, dilute 0.5 fluid ounces of Kicker per gallon of water and apply evenly with a sprinkling can over one square yard of turf. Record the species and number of insects present ten minutes after application. Sample 3 to 5 sites per 5000 square feet. Note: this procedure does not bring white grubs or billbug grubs to the surface. Use other methods to sample for these pests.

USE AS A PET SPRAY

TO CONTROL FLEAS AND TICKS ON PETS: Dogs and cats may be treated with Kicker by diluting at the rate of 1.0 to 2.125 fluid ounces per gallon of water and spraying or sponging thoroughly (to penetrate the hair and contact the skin) to all parts of the animals body except the eyes, nose, mouth and genitalia. REPEAT APPLICATION EVERY TWO WEEKS, IF NECESSARY. For best results against fleas and ticks on dogs and cats, the animal quarters should also be treated and bedding should be removed and replaced after the pet areas are treated.

STORAGE AND DISPOSAL

FOR CONTAINERS LARGER THAN ONE GALLON: Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

FOR CONTAINERS ONE GALLON AND SMALLER:

STORAGE: Store in original container in a cool, dry place inaccessible to children and pets.

DISPOSAL: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond Bayer Environmental Science's control, it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or Ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: BAYER ENVIRONMENTAL SCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer Environmental Science is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Bayer Environmental Science disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

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Bayer Environmental Science

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IMPORTANT: READ BEFORE USE